

# ELECTRICAL INSTALLATION INSTRUCTIONS AND NOTES FOR P132 AND P122 CONSOLES

## 1 OVERVIEW

- 1.1 It is essential, and required, for the installer to read all instructions and notes contained on all documents PRIOR to starting the installation of the console.
- 1.2 This G12132 document applies to the P132 and P122 Consoles. This document provides the electrical definition of the console, which is the same for the P132 and P122 with the exception of the model-specific wiring for the switch overlay lighting. P132 and P122 consoles are mechanically different; see documents G10251 (Rev. H or later) and G12310 (Rev. B or later) for the mechanical details of the P132 and P122 console assemblies, respectively.
- 1.3 G12132 Page Summary (base versions):
- 1: Electrical Installation Instructions and Notes
  - 2: BAT-EXT PWR, MASTER CUTOFF (DIRECT BATTERY also on some versions)
  - 3: GENERATOR, CRANK, HYDRAULICS (or ACCU) TEST, WARNING HORN, WARN / FIRE TEST
  - 4: Lighting circuits.
  - 5: FUEL PUMP, PITOT HEAT, WIPER, SAND FILTER, (SERVO TEST also on some versions) and optional switches.
  - 6: Circuit Breakers EFN-36 thru EFN-43
  - 7: Circuit Breakers EFN-45 thru EFN-58
  - 8: Circuit Breakers EFN-59 thru EFN-66
  - 9: Circuit Breakers EFN-67 thru EFN-87
  - 10: Circuit Breakers EFN-91 thru EFN-N/A-2 (-4 on some versions)
  - 11: Bus Bar supply circuits
  - 12: Optional circuit breakers for the middle and top left breaker rails
  - 13: Console right side layout
  - 14: Console left side layout
  - 15: Console top view switch layout
  - 16: Sample AVIONICS control circuits
  - 17: Sample CARGO HOOK circuit
  - 18: Sample HOIST circuit
  - 21: Float Electrical circuit for use with new installation of Aerazur float system
  - 23: Overlay Dimmer circuit
  - 26: Wiring modifications for combined HOIST and CARGO HOOK switch
  - 27: Wiring modification for active-OFF avionics relay circuit
  - 28: Breaker / switch wiring modifications for use with Precise Flight 3060S Pulse Light module
  - 29: Instrument Lights 2 switch wiring modification for PP15 bus mounted outside the console
  - 30: Sand Filter switch wiring modification for use with FDC/aerofilter filter system P/N 1350IN1-7
  - 31: Float Switch circuit for interfacing to pre-installed float systems
  - 32: Wiring modifications for Dual Hydraulics system on AS350B3
  - 33: Wiring modifications for Twist Grip per SB 67.00.37
  - 34: Wiring modifications to Instrument Lights circuits for 217L dimmer power supply
  - 35: Wiring modifications to Emergency bus circuit for mod 350A07-3476
  - 36: Wiring modifications to Cargo Hook circuit per SB 25.01.09
  - 37: Console Backlight Power for mod 350-A073476
- 1.4 Due to the changes in the AS350 product line as it has evolved, the wiring in a console for any particular aircraft will be based on one of eight overall templates:
- 1.4.1 The base version of the wiring diagrams is generally applicable to AS350D, D1, B, BA, B1, or B2 aircraft that predate mod 350A07-3273. The wiring diagrams belonging to this set have no suffix on the ends of the drawing numbers. Where differences exist between aircraft versions, a table lists the different breaker ratings, breaker labels and/or aircraft wire numbers, as applicable. The drawing numbers for the layout pages (-13 through -15) generally end with the aircraft version, for example G12132-13-B2.
- 1.4.2 The version for AS350B2 aircraft embodying mods 350A07-3273 and -3274 ends in -073273, for example G12132-3-073273. AS350B2 aircraft at this mod level are not compatible with any other versions of the wiring

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diagrams, and earlier aircraft or those embodying mod 350A07-3368 are not compatible with the -073273 drawing set.

- 1.4.3 The version for AS350B2 aircraft embodying mod 350A07-3368 ends in -073368, for example G12132-3-073368. AS350B2 aircraft at this mod level are not compatible with any other versions of the wiring diagrams, and earlier aircraft are not compatible with the -073368 drawing set.
- 1.4.4 The version for AS350B3 aircraft that predate mod 350A07-3274 covers the original release, Service Bulletin 80.00.05 / mod 350A07-3087, and mod 350A07-3257. The wiring diagrams specific to this set end in -073087, for example G12132-2-073087. Although the console wiring is the same for mods 350A07-3087 and 350A07-3257, there are some differences in breaker labels on the right hand side of the console, requiring separate right-side views G12132-13-073087 and G12132-13-073257. AS350B3 aircraft that predate mod 350A07-3087, and in which Service Bulletin 80.00.05 has not been implemented, should use the -073087 labeling and wiring, leaving the FADEC breaker circuitry shown on G12132-2-073087 unconnected.
- 1.4.5 The version for AS350B3 aircraft embodying mods 350A07-3273, -3274 and OP.3346 ends in -073274, for example G12132-5-073274. AS350B3 aircraft at this mod level are not compatible with the earlier B3 versions of the wiring diagrams, and earlier aircraft are not compatible with the -073274 drawing set. The -073274 drawing set must be modified per G12132-34 in accordance with sections 3, 7, 8 and 9 of this document for compatibility with AS350B3 aircraft embodying mod 350A07-3368.
- 1.4.6 The version for AS350B3e aircraft with the Arriel 2D engine embodying mod 350A07-3476 but before mod -4280 ends in -073476, for example G12132-3-073476. AS350B3e aircraft at this mod level not compatible with earlier B3 versions of the wiring diagrams, and earlier aircraft are not compatible with the -073476 drawing set.
- 1.4.7 The version for AS350B3 aircraft embodying mod 350A07-4280 ends in -074280, for example G12132-4-074280. AS350B3 aircraft at this mod level are not compatible with any other versions of the wiring diagrams, and earlier aircraft are not compatible with the -074280 drawing set. Although the internal wiring is the same, for aircraft embodying mod 350A07-4629 and mod 350A07-4677 there are aircraft wire connection changes, and for mod 350A07-4629 a circuit breaker name and rating change. Where these differences exist, a table lists the different breaker ratings, breaker labels and/or aircraft wire numbers, as applicable. The different breaker label name requires separate left-side views G12132-14-074280 and G12132-14-074629.
- 1.4.8 The version for AS350B2 aircraft embodying mod 350A07-4280 ends in -074280B2, for example G12132-4-074280B2. AS350B2 aircraft at this mod level are not compatible with any other versions of the wiring diagrams, and earlier aircraft are not compatible with the -074280B2 drawing set.
- 1.5 The information contained in one of these eight drawing sets applies to most AS350 helicopters of the specified version and mod level. However, a particular helicopter may not exactly fit the data as shown. The installer must determine whether the information is suitable for the specific AS350 helicopter that this installation is being applied to.
  - 1.5.1 For instance, a particular helicopter may have been upgraded from an earlier version. In such a case, a wire on the aircraft may have a different label than the one shown in the drawing that applies to the aircraft's current version level. The installer will need to trace out the wire to determine how it is connected, and then compare that information to the Eurocopter Wiring Diagram Manual (WDM).
  - 1.5.2 Also, some aircraft might require a 7.5A breaker for the same function for which other aircraft require a 2.5A breaker. The installer must determine the rating of the existing fuse or circuit breaker installed for each circuit, and make sure the proper breaker rating is used in the replacement circuit on the console, prior to starting this installation.
- 1.6 Drawings containing Sample Optional circuitry such as the HOIST and CARGO HOOK show primarily the circuitry related to the console. This includes items that were part of the original console but are not installed in the P132 or P122 console, such as status lights. The installer must ensure that the complete circuitry for these functions is installed in accordance with the Eurocopter Wiring Diagrams Manual, including any items listed as being outside

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the console. For instance, with the CARGO HOOK function, the installer would need to provide and install a HOOK ARMED status light in clear view of the pilot and provide suitable labeling.

- 1.7 In all cases, it is up to the installer to insure that this installation is correct for the particular helicopter. If there is any doubt, or any questions, contact Geneva Aviation for assistance before proceeding.

## 2 ORIENTATION

- 2.1 All references in this document to “forward”, “aft”, “left”, “right”, “up”, “down”, “top” or “bottom” are given with respect to the airframe in which the console is or will be installed. “Forward” is toward the nose of the aircraft, etc. The top surface of the console sits at an angle, with the forward edge higher than the aft edge, so “up” in reference to a switch on the console refers to its forward position, and “down” refers to its aft position.

## 3 CONFIGURATIONS AND CONFIGURATION-SPECIFIC DRAWING IDENTIFICATION

- 3.1 For quicker reference in relation to a specific aircraft, a subset of the G12132 document set may be compiled, containing only the pages relevant to that particular aircraft, provided that the entire document is also available for reference. For example, in the case of generic console for an AS350B2 that embodies mod 350A07-3273, the subset might include all pages of G12132-1; the -073273 versions of G12132-2 through G12132-18; and the version of G12132-23 relevant to the console type (P122 or P132).
- 3.2 A drawing subset may be assigned a configuration number, consisting of the console type and a suffix that refers to the generic aircraft version, the specific aircraft serial number, or a 5-digit index number for a customer-specific configuration. In addition, individual drawings in a configuration set that deviate from the standard drawings are identified with suffixes that identify either the aircraft or the customer for which the configuration is developed. To prevent unintentional re-use of a configuration number or customer-specific drawing set suffix, Geneva Aviation maintains a log of factory-assigned configuration numbers and the associated suffixes for P132 and P122 consoles.
- 3.3 Examples of configuration numbers include P132-00001, which consists of the diagrams relevant to a P132 console built for use with an AS350B2 predating mod 350A07-3273, and P132-00042, which consists of the diagrams relevant to a P132 console built for use with a B3 embodying mod 350A07-3257. The hypothetical configuration number P122-2817 would refer to a P122 configuration specifically defined to interface to the equipment installed in aircraft serial number 2817, while P122-D would refer to the diagram subset for a basic P122 console wired for, and bearing the switch and breaker labels relevant to, the AS350D version.
- 3.4 While many of the circuits shown in the standard wiring diagrams are required for the operation of the aircraft, some others are not. Switches, circuit breakers, diodes, wires, and connector pins that are not required for a particular installation, may be reassigned for another purpose at the installer's discretion, provided that they are labeled appropriately and that the current ratings of all parts in the circuit are adequate for the application. Unused switches, circuit breakers, diodes, connector positions, etc. may be used for additional needs at the installer's discretion, with the same provisions. Unneeded items may be left out of the final assembly at the installer's discretion. Unneeded items that are installed should be labeled "SPARE" to indicate that they are not being used and are available for future use.
- 3.5 Any such modifications to the console wiring or labeling, the circuit breaker ratings or switch types, or to the aircraft wires connecting to the console, must be documented. To this end, a page in a wiring diagram subset may be derived from the original and changed to show those modifications, provided that the page is assigned a unique drawing number based on both the original drawing number and the specific installation or customer-defined configuration of which the drawing is a part.
- 3.6 For example, if a console were built specifically to be installed on aircraft serial number 1111, and if the label for switch number OP-3 on that console were to be changed from the original shown in the base version of the drawings, then all diagrams in the subset that contain switch OP-3 (specifically G12132-5, -14, -15 and -18) would need to show the new switch label, and would need to be renumbered. The resulting pages in this case might be numbered G12132-5-1111 etc.

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- 3.7 In some cases, a drawing will not contain any changes to the circuits contained on the drawing, but will contain references to other diagrams that do contain changes. In the example above, drawings G12132-6, G12132-8, G12132-9 and G12132-10 all contain references to G12132-5. In the example of the previous paragraph, all references to G12132-5 on these diagrams would need to be updated to G12132-5-1111, and the resulting diagrams would need to be named G12132-6-1111 etc. Since the outer views G12132-13 and -14 contain references to some or all of these drawings, those references would also need to be changed and the resulting drawings would be identified as G12132-13-1111 and G12132-14-1111.
- 3.8 Only those drawings in the set that actually contain modifications, either to the circuitry or to the references, need to be assigned new, unique drawing numbers, so at the installer's discretion the unmodified drawings in the drawing set for a particular aircraft or configuration may, but need not, be assigned drawing numbers with a suffix matching the rest of the drawing set. For instance, G12132-2 contains only switch circuitry that should not be changed, and no references to other drawings, so a derived version of G12132-2 is unlikely to be needed, but the drawing included in a set for aircraft serial number 1111 could be assigned the number G12132-2-1111 if desired.
- 3.9 If a single modification or set of modifications is intended to be applied to consoles on several aircraft that use the same base wiring template (for example, several AS350B2 aircraft that predate mod 350A07-3273), the resulting drawing set may be assigned a configuration number as outlined in paragraph 3.2, but would use a suffix based on the specific application or customer rather than referring to a single aircraft's serial number. One example of an actual customer configuration drawing is G12132-5-LAPD, from configuration P132-00004.
- 3.10 Modifications contained in any customer-specific configuration must follow the rules specified in this G12132-1 document, so that a console may be built to the configuration-specific wiring diagrams at assembly time, rather than being built to one of the basic templates and needing to be modified during installation.

### 4 WIRE AND WIRE LABELS

- 4.1 The following wire types are approved for internal console wires: M22759/16-"gauge"-9, M22759/32-"gauge"-9 or M22759/41-"gauge"-9. The wire type and gauge is printed directly on the insulation, and therefore does not need to be included in the wire number.
- 4.2 All wires within the console are AN20 gauge, unless noted otherwise on the wiring diagrams. For some circuits the wire is defined at a larger gauge than is strictly required, to provide the option of using that circuit with a higher-rated circuit breaker for alternative functions. Additionally, at the installer's discretion, the installer may use a larger wire than is called for in the wiring diagrams, provided that the larger wire can still be terminated and connected properly for the application.
- 4.3 Wires may be labeled using any legible method that does not compromise the wire or insulation. These methods include but are not limited to: hot stamping, laser-marking, slip-on wire markers, and wrap-around labels generated by computer printout or by a label maker.
- 4.4 The wire number format that is used for internal console wires throughout this document identifies a wire by the diagram on which it is defined, with an index number. For instance, wire number G12132-4-14 is shown on diagram G12132-4. Certain wires may be found on more than one diagram but will be labeled the same on all diagrams in a set for a particular aircraft, configuration, or aircraft version and mod level.
- 4.5 At the installer's discretion, any wire-numbering format may be used, provided that it allows unique identification of each wire. For instance, a wire might be labeled according to its connections at each end. Using the previous example, wire G12132-4-14 connects terminal 1 of switch ESN-10 to pin B of connector J2 in all five standard wiring diagram sets, so "ESN-10-1 J2:B" would be a reasonable label. If ESN-10 is mounted in its standard position (fourth from the forward edge of the right-hand switch rail), the wire might be labeled "SWR4:1 J2:B".

### 5 DIODES AND DIODE CIRCUITS

- 5.1 Unless specified otherwise, diodes carry less than 3 amps of continuous current, at less than 50 volts, so these unspecified diodes may be any type of rectifier diode with maximum ratings of at least 3 amps and 50 volts.

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Although provision is made for mounting up to seven diodes on the P132 and P122 consoles, and the standard wiring diagrams make maximum use of these provisions, the mounting location of diodes is at the installer's discretion.

- 5.2 In cases where diodes are required but are not built into the console, it is the installer's responsibility to provide diodes and mount them securely.

## 6 TERMINALS AND CONNECTORS

- 6.1 Unless noted otherwise, each wire that attaches to a screw or stud is terminated by a ring terminal of suitable size at each end that attaches with a screw or stud, and each wire that attaches to a connector is terminated by a connector pin or socket as appropriate. No connector pin or socket shall attach to more than one wire; if multiple wires must be routed to a single pin or socket, connect them together using a butt splice of the appropriate size. However, circuit breaker and switch terminals should have only one ring terminal attached, so if more than one wire is routed to the same terminal of a switch or circuit breaker, crimp the wires together into one ring terminal of suitable size. Also, the terminal block on the Overlay Power Supply may have either one or two ring terminals attached per position, so the wires connected to the output terminals may be grouped accordingly.

- 6.2 Geneva Aviation uses the following crimp terminals in building the consoles:

<u>TERMINAL TYPE</u>	<u>WIRE GAUGE</u>	<u>TE CONNECTIVITY P/N</u>
#6 Ring Terminal	22 – 16 ga	36152
	16 – 14 ga	326882 or 36158
#10 Ring Terminal	16 – 14 ga	36160
	10 ga	31805 or 33457
	8 ga	31807 or 33460
Butt Splice (if needed)	26 – 20 ga	D-436-82
	20 – 16 ga	D-436-83
	16 – 12 ga	D-436-84

- 6.3 Connectors are recommended but not required. At the installer's discretion, the connectors may be left out of the installation entirely, and the aircraft wires may be connected to the switches and breakers either directly or through butt splices, provided that the wiring diagrams are updated to reflect the changes. At the installer's discretion, connectors may be added to handle additional circuits beyond the capacity of the standard J1/P1, J2/P2 and J3/P3 connector pairs.

- 6.4 The connectors used by Geneva Aviation for the P132 console are as follows:

Connector	Part Number	Contact Type	Contact Part Number	Backshell Part Number
J1	MS3471L22-55P	20ga pins	M39029/4-110	M85049/51-1-22N
P1	MS3476L22-55S	20ga sockets	M39029/5-115	M85049/52-1-22N
J2	MS3471L24-31P	16ga pins	M39029/4-111	M85049/51-1-24N
P2	MS3476L24-31S	16ga sockets	M39029/5-116	M85049/52-1-24N
J3	MS3471L24-31S	16ga sockets	M39029/5-116	M85049/51-1-24N
P3	MS3476L24-31P	16ga pins	M39029/4-111	M85049/52-1-24N

- 6.5 For the P122 console "J" connectors, the MS3471 connector series is replaced with the MS3470 series. The pin and socket contacts remain the same. The P122 aircraft-side "P" connectors use the M85049/51 backshells as listed above for the P132 "J" connectors. No backshells are used on the P122 console-side "J" connectors. The wires are secured directly to the connector bracket.

- 6.6 As an alternative to the MS3470 / MS3476 or MS3471 / MS3476 connector series pairs, the MS3120 / MS3126 or MS3121 / MS3126 series pairs may be used at the installer's discretion.

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- 6.7 In some installations, there may not be enough pins in the standard connectors for all of the connections that need to be made. In such a case, additional connectors from the series listed above may be used, provided that the contact size is suitable to the task. It is the responsibility of the installer to ensure that the types of additional connectors are selected to prevent cross-connections with each other or with the standard connectors.
- 6.8 All connector pins must be crimped with the proper tool. For the MS3470 / MS3471 / MS3476 series connectors, use the M22520/1-01 4-point crimper with M22520/1-02 positioning die.

### 7 CIRCUIT BREAKERS AND BREAKER CIRCUIT MODIFICATION

- 7.1 Circuit breakers are Mil-Spec type MS26574, or one of the following commercial equivalents: 4200-002-“amps”, 4200-001-“amps”, 7277-2-“amps”, or 7274-2-“amps”. Where possible, the breakers are numbered based on the fuses from the original Eurocopter console that they replace. The format is EFN-##, where ## is the fuse position number from the Eurocopter WDM 39.00.00 listing for mod 07.2760 for the B3, and mod 07.1736 for earlier models. Those breakers that are not direct replacements are designated EFN-N/A-1, EFN-N/A-2, etc, with the exception of EFN-71E and EFN-72K, which replace breakers on the later B3 models.
- 7.2 This numbering carries over to the Mod 350A07-3273, -3274, -3368 -3476 and -4280 versions where the same functions exist. Where possible, new systems are assigned to the same breakers as the older systems that they replace, and the rest are assigned to breakers whose original functions no longer exist in the newer definitions.
- 7.3 Circuit breakers are oriented with the key facing toward the center of the P132 console. On the P122 console, the key on the circuit breaker faces forward. The bus bars normally mount on the non-key side of the circuit breakers for both console types, except on the middle and forward (“top”) columns on the P122, where the bus bars mount on the key side.
- 7.4 At the installer’s discretion, a breaker circuit that is not used for its originally defined function may be assigned to another purpose, provided that the label is updated to reflect the change, both on the console and on the wiring diagrams. Breaker labels may be abbreviated as necessary, both on the console and on the drawings.
- 7.5 At the installer’s discretion, circuit breakers may be relocated on the bus to which they are connected, with the wire lengths adjusted as necessary. This includes moving breakers between the two PP6 bus segments in the middle right and bottom right breaker rails.
- 7.6 At the installer’s discretion, circuit breakers that are not required for their original functions may be moved to the optional rails, in order to supply power to additional equipment from alternate power sources such as voltage converters or relay-controlled power busses. In all such cases, it is the installer’s responsibility to ensure that the power source, components, wiring and connections are adequate for new functions.
- 7.7 Breakers assigned to required aircraft functions must not be moved between busses. In some cases, PP5 and PP6 provide backup or complementary functions in some areas (for instance, Engine Instruments), which would be defeated by placing both breakers on the same bus.
- 7.8 At the installer’s discretion, for optional breaker circuits the installer may replace a length of bus bar with two shorter lengths in order to power the sections from different sources, or may replace a length of bus bar with a shorter length in order to separate a breaker for use with a separate source wire. The installer may obtain these shorter lengths from Geneva Aviation, or may cut down the existing bus bar to suit the circuit requirements.
- 7.9 In cutting a bus bar, the installer must use the existing bar as a pattern to duplicate the existing spacing in the resulting pieces, in the following criteria:

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- 7.9.1 Distance from the end to the nearest breaker connecting hole;
- 7.9.2 Position of the bus wire attachment hole with respect to the nearest breaker connecting holes;
- 7.9.3 Rounding the corners and smoothing the rough edges to prevent chafing any wires in the vicinity.
- 7.9.4 A properly modified section of bus bar will cover the full width of the circuit breaker terminal at each end of the bar, and will be separated from an adjacent breaker terminal or bus bar section by not less than 1/4".
- 7.10 A separate hole is always required for the bus supply wire. Do not attach a bus wire and a circuit breaker to a bus bar at the same hole.
- 7.11 3 Amp circuit breakers (MS26574-3 Eaton P/N: 4200-001-3) may be substituted for aircraft systems that use 2.5 amp circuit breakers (MS26575-2 ½) in production of the console. Use of the 3 amp circuit breakers will be reflected in all drawings for production of that console.

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## 8 SWITCHES AND SWITCH CIRCUIT MODIFICATION

- 8.1 All switches used on the console are environmentally sealed toggle switches, normally of either single-pole (MS24523 or MS24658 series) or double-pole (MS24524, MS24659, MS24707 or MS27408 series) type. Those that are direct replacements for switches in the original Eurocopter console are designated ESN-##, referring to the position number of the Eurocopter switch per the WDM 39.00.00 listing for mod 07.1736. Those that are not direct replacements, or are replacements for switches not found in the mod 07.1736 version of the console, are designated OP-1, OP-2 etc.
- 8.2 Except where specified otherwise, all switches are mounted with the key slot facing forward. Most two-position switches are ON when the toggle is in the forward position, which connects terminals 1 and 2 together on most switches. The aft position connects terminals 2 and 3 together on most switches. On those switches that are mounted with the keyway facing aft, the forward position connects terminals 2 and 3 and the aft position connects terminals 1 and 2.
- 8.3 On switches with 3 positions, the center position is OFF. For MS2740x series 3-position switches, internal connections do exist in the center position and some circuits may be energized. For MS2452x or MS2465x series 3-position switches, all terminals are internally disconnected from each other in the center position. For most two-position switches, the aft position is OFF, although some such as the Crank and Sand Filter switches may energize an alternate circuit in this position.
- 8.4 On double-pole switches, terminals 4, 5 and 6 correspond to terminals 1, 2 and 3 respectively for the separate second pole. A double pole switch may be used as a substitute for a single pole switch, provided that the switch rating is suitable and the mounting clearance is adequate. Switches that directly drive incandescent lamps are required to be the double pole type, which has a higher lamp current rating per pole.
- 8.5 The type of toggle (standard or locking) is optional for most switches, and may be changed at the discretion of the installer. Changing the type of toggle will usually result in a change in the switch part number, which is acceptable provided that the replacement switch has an adequate current rating for the application. Any switch on the console may be upgraded to a Locking Toggle type to prevent accidental operation, provided that the lock does not interfere with the intended operation.
- 8.6 Switch toggles may be color-coded to help identify the switch. RED color coding is REQUIRED for the Master Cutoff switch, and may not be used elsewhere. YELLOW color coding is REQUIRED for the Hydraulic Test switch (if installed), and may not be used elsewhere. Any color that is clearly distinguishable from these may optionally be used for any other switch. Color may be applied by the use of paint, a plastic coating or cover, vinyl dip, or other methods that do not interfere with the operation of the switch.
- 8.7 If two switch functions that need only single-pole functionality are only used simultaneously, they may be combined into one double-pole switch, with each pole activating one function, provided that the switch current rating is adequate for the application.
- 8.8 If two switch functions that need only single pole ON-OFF functionality are never used simultaneously, they may be combined on a single center-OFF switch so that one function is ON when the switch is in the forward position and the other function is ON when the switch is in the aft position, provided that the switch current rating is adequate for the application. The LANDING / PULSE LIGHT switch circuit shown on diagram G12132-28 is an example of this method.
- 8.9 If one switch function is used only when another, independent switch function is already ON, and both functions need only single-pole ON-OFF functionality, then the two circuits may be combined on a single center-OFF switch using circuitry similar to the ANTI-COL ALL / TAIL switch circuit shown on diagram G12132-4, provided that the switch current rating is adequate for the application.

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- 8.10 An available, unused switch may be connected in line between a breaker and its connector pin, provided that the switch rating is adequate for the application, the switch is labeled to reflect the new function, all wires connecting to the switch are assigned unique wire numbers, and the wiring diagrams are updated to reflect all changes.
- 8.11 Individual switch legends may be replaced easily in the field to accommodate circuit reassignments or operator labeling preferences. Switch labels may be abbreviated, both on the console and on the drawings.
- 8.12 For compliance with this STC, the functionality and labeling of 3-position switches must remain consistent with the current revision of the relevant Rotorcraft Flight Manual Supplement for the particular console model. Deviations from the specified functionality and labeling may not be installed during assembly at the factory, but must be performed by the installer after delivery, and the installer must seek a separate approval for a revised Rotorcraft Flight Manual Supplement from the appropriate Aviation Authority.

### 9 CUSTOMIZING THE STANDARD SWITCHES

- 9.1 THE FOLLOWING SWITCHES ARE REQUIRED FOR THE OPERATION OF THE AIRCRAFT, AND MUST NOT BE REWIRED OR REASSIGNED, EXCEPT AS REQUIRED TO PERFORM THEIR STANDARD FUNCTIONS OR FOR COMPLIANCE WITH SERVICE BULLETINS REGARDING THE CONSOLE OR THE AIRCRAFT:

**ESN-1 (DPST LOCKING): BAT-EXT POWER**

**ESN-2 (SPST): FUEL PUMP (FUEL PUMP 1 when FUEL PUMP 2 switch installed)**

**ESN-3 (DPDT ON-OFF-MOMENTARY): GENERATOR ON / RESET**

**ESN-5 (SPST MOMENTARY): CRANK ENGINE**

**ESN-6 (DPDT LOCKING): MASTER CUTOFF**

**ESN-7 (DPDT MOMENTARY-OFF-MOMENTARY): WARN / FIRE TEST**

**ESN-8 (SPST): FUEL PUMP 2 (for B2 implementations; see alternate OP-3)**

**ESN-11 (SPST LOCKING, (MOMENTARY on B3 Dual Hydraulic)): HYDRAULICS TEST / ACCU TST**

**ESN-12 (DPDT): WARNING HORN**

**ESN-13 (SPST): PITOT HEAT**

**OP-2 (SPST): DIRECT BATTERY (for post-Mod 350A07-3273 B2 and B3 implementations only)**

**OP-3 (DPST): FUEL PUMP 2 (for B1 and alternate for B2 predating Mod 350A03-3273)**

**OP-3 (SPST MOMENTARY): SERVO TEST (for B3 implementations with Dual Hydraulic)**

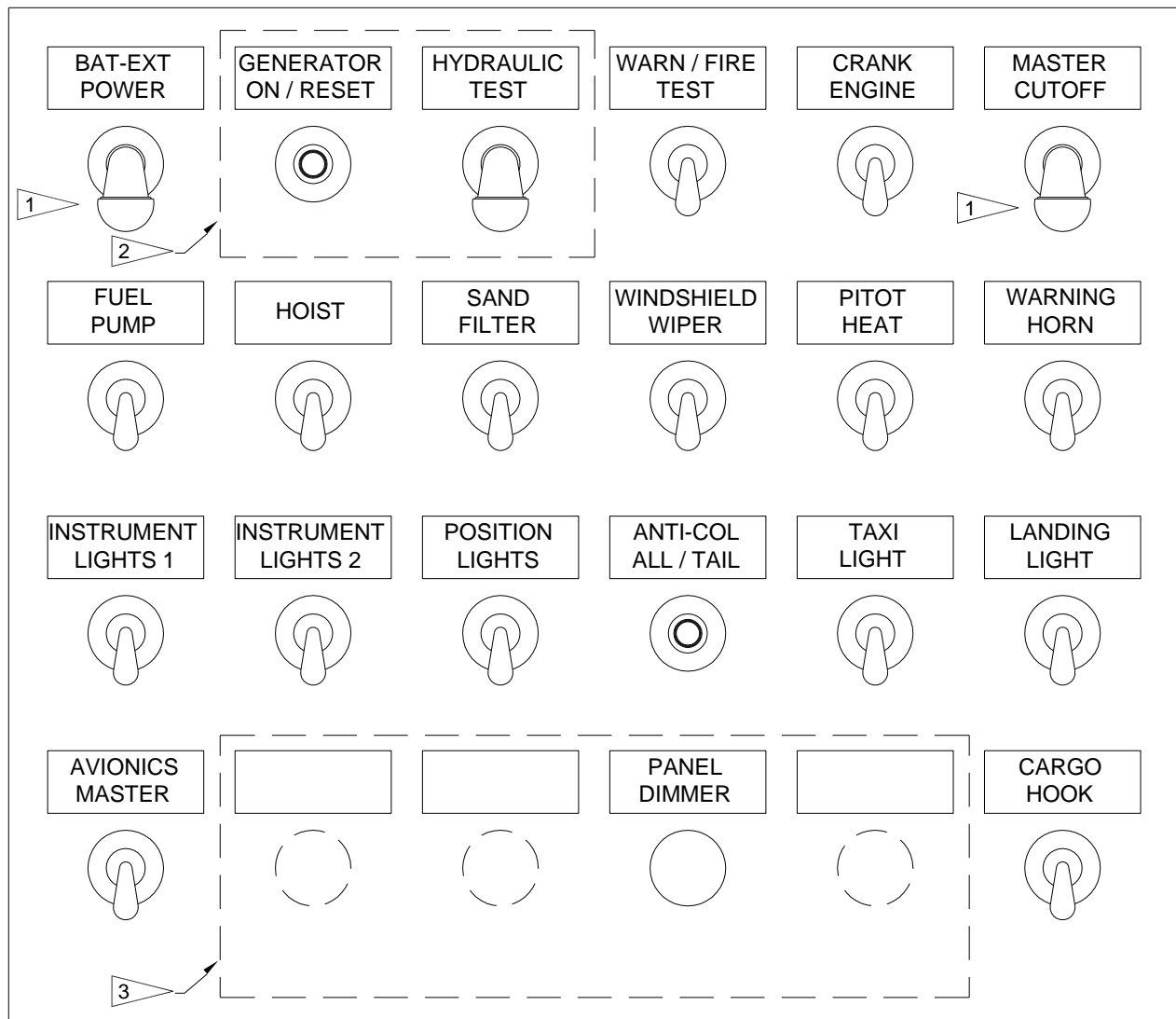
- 9.2 Depending on the console in question, some of this group of switches should not be moved from their standard positions. Figures 1 and 2 identify these switches for the P122 and P132 consoles, respectively. The remaining switches may be customized to fit the requirements of the installation. The following are some of the ways in which this can be accomplished:
- 9.3 ESN-9 (DPDT Center-OFF): ANTI-COL ALL/TAIL may be reduced to SPST if no strobe light is installed other than the primary anti-collision light, or if a separate switch is available to use for the second strobe light circuit.
- 9.4 ESN-18 (SPST): LANDING LIGHT may be upgraded to a DPDT type switch (Center-OFF or normal) in order to add a second function, such as a PULSE LIGHT function. Alternatively, if the LANDING LIGHT function is moved to another location such as the Pilot's Collective Grip as described on G12132-4, then ESN-18 could be reassigned to another function entirely. On aircraft post-mod 350A07-3476 the LANDING LIGHT switch is located on Pilot's Collective Grip and ESN-18 is a spare switch unless the installer explicitly relocates the LANDING LIGHT switch to the console.
- 9.5 ESN-10 (DPST): POSITION LIGHT and EFN-17 (DPST): TAXI LIGHT may NOT be reduced from the specified DP switches to SP, due to the current rating required for these functions. However, the switches may be upgraded to DPDT Center-OFF to permit combining two functions on a single switch similar to ESN-9. For instance, once suitable wiring is added to the console, the LANDING LIGHT function could be moved from ESN-18 to the second pole of ESN-17 upgraded to Center-OFF, and the switch could be used to activate the TAXI LIGHT in the forward position, and the LANDING LIGHT circuit in the aft position, or vice versa, thus permitting ESN-18 to be reassigned to an entirely different function. On aircraft post-mod 350A07-3476 the TAXI LIGHT

## ELECTRICAL INSTALLATION INSTRUCTIONS AND NOTES FOR P132 AND P122 CONSOLES

switch is located on Pilot's Collective Grip and ESN-17 is a spare switch unless the installer explicitly relocates the TAXI LIGHT switch to the console.

- 9.6 ESN-14 (DPDT) and ESN-15 (DPDT): INSTRUMENT LIGHTS 1 and 2 are wired so as to duplicate the functionality of the original Eurocopter console circuitry. In aircraft that predate Mod 350A07-3273/-3274, this is necessary only if the original Eurocopter fiber optic lighting is used. If the fiber optic lighting system is replaced by post lights, the INSTRUMENT LIGHTS 2 circuit may be unnecessary. In those circumstances, as long as the wires connecting the INSTRUMENT LIGHTS 2 circuit to the INSTRUMENT LIGHTS 1 and Overlay Dimmer circuits are removed from the console, the circuit may be rewired and/or reassigned to another function. Note that this is NOT true of aircraft embodying mod 350A07-3273-3274 or later, where the differences in the Instrument Lights circuitry created by the introduction of the Direct Battery bus make both switch circuits necessary. On aircraft embodying mod 350A07-4280 the INSTRUMENT LIGHTS switches have been relocated off the console and ESN-14 and ESN-15 are spare switches that may be assigned to installer-specified functions.
- 9.7 ESN-21(DPDT): SAND FILTER has one pole wired through the SAND FILTER breaker. This is the only switch on the console that is normally wired for compatibility with the SAND FILTER circuit. However, if there is no SAND FILTER equipment installed on the aircraft, this circuit may be reassigned and/or rewired for another purpose.
- 9.8 ESN-24 (SPST): WINDSHIELD WIPER is normally wired for a single Windshield Wiper circuit only. It is connected through a breaker, and provides both a constantly-powered and a switched connection, as required by Windshield Wiper equipment. If this switch is not needed for its intended use (for instance, if no Windshield Wiper equipment is installed on the aircraft), this switch may be rewired and/or reassigned for another use. If both Pilot's and Copilot's Windshield Wipers are present, this switch might be upgraded to DPDT, with the second pole wired like the original in order to control the second wiper motor.
- 9.9 OPTIONAL SWITCHES: OP-1 (DPST) is not directly tied to a specific function, although it is generally identified by its most common usage (AVIONICS MASTER). On aircraft that do not require OP-2 for the DIRECT BATTERY control function, OP-2 is generally labeled CARGO HOOK. When OP-3 is not required for FUEL PUMP 2 or SERVO TEST, it is generally labeled SPARE SWITCH on the B3, or HOIST on earlier models. When not needed for the aforementioned required functions, these switches may be reassigned at the installer's discretion, subject to the amperage ratings of the switches and wiring used. Under these circumstances, OP-2 may be upgraded to DP, and along with OP-1 and OP-3, may be rewired as DPDT or upgraded to DPDT Center-Off at the installer's discretion.
- 9.10 The standard wiring diagrams define 20 switches each for the P122 and P132 consoles. The P122 console will hold a maximum of 24 switches (Figure 1) with lighted legends for all switches. The standard P132 console holds only the standard 20 switches, but supplemental switch mounting capacity with lighted legends may be added at the forward end of the radio bay of the P132 console using structural components identical to those which make up the top switch rail at the front of the unit (Figure 2, flag note 3). Additional switches mounted in these positions must be of the types listed in paragraph 8.1, or of 4-pole type from the MS24525, MS24660, MS27406 or MS27409 series (space permitting), to qualify for installation under this STC. The additional switches may be wired in-line between breakers and connector pins as needed, or wired to the aircraft through spare connector pins, or wired directly to the aircraft, provided that the wiring diagrams are updated to match.
- 9.11 The G12301 power supply installed in the P132 console is capable of driving the only one supplemental switch mounting rail, along with the overlays for the standard switch rails. Additional switch rails may be mounted, but a separate power supply and dimmer control must be installed, in an installer-defined location, to drive the additional overlays.

# P122 SWITCH OPTIONS



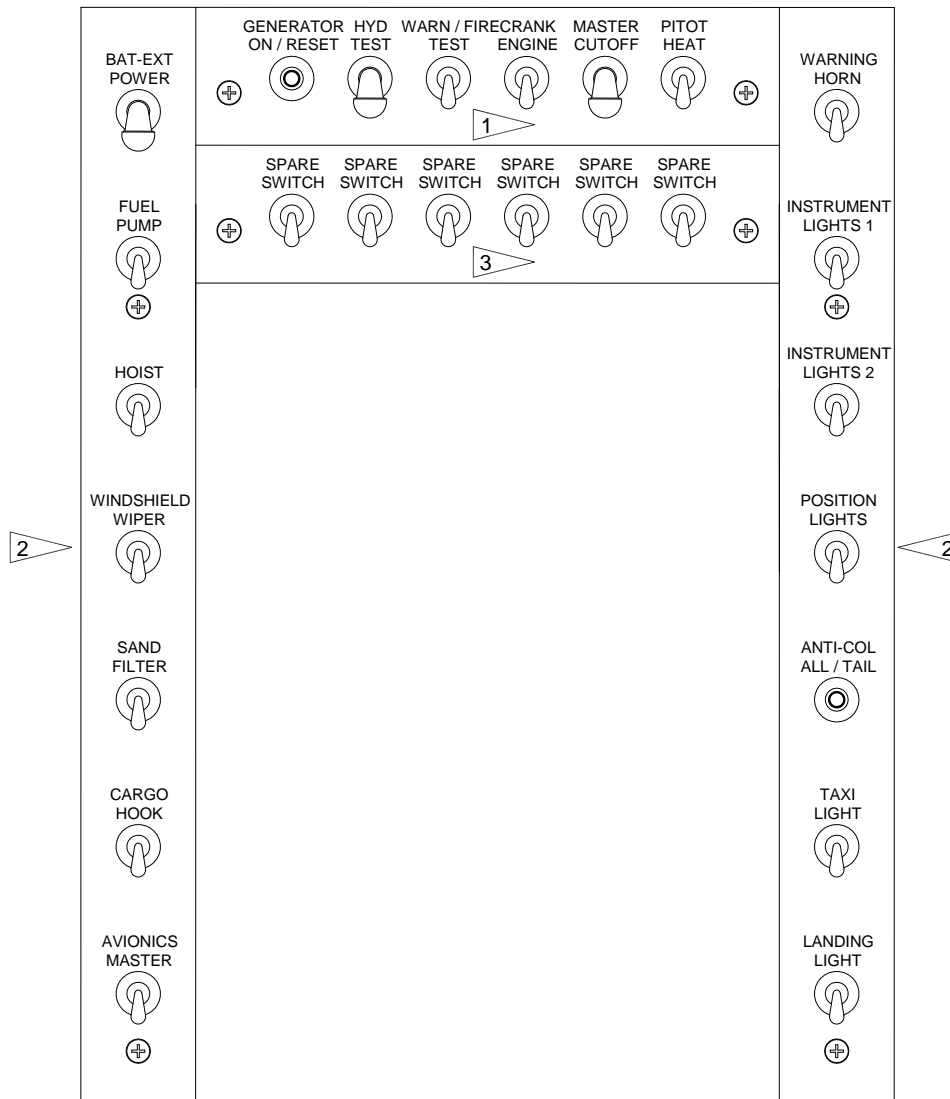
- 1 MASTER CUTOFF and BAT-EXT POWER should not be moved from their current positions
- 2 GENERATOR ON / RESET requires reverse orientation and must be mounted in one of the two positions shown
- 3 The PANEL DIMMER control must be mounted in one of these four positions, OR moved to the Aft Wall of the console.

Once these provisions are met, the remaining switches may be relocated on the switch plate at the installer's discretion.

EMPTY SWITCH POSITIONS: Any of the three empty switch positions (four, if the Dimmer is relocated to the aft wall) may be used to mount additional switches, or for other purposes such as indicator lamps, at the installer's discretion.

Figure 1: P122-specific Switch Options

# P132 SWITCH OPTIONS



- 1** The Top Switch Rail, and the forward switches in the left and right hand rails, SHOULD NOT be rearranged in any way.
  - 2** All positions in the Left and Right Switch Rails can accommodate either SP or DP switches
  - 3** Additional center switch rails may be added in the radio bay, to a maximum of 6, although the overlay lighting power supply will support only one. Due to the spacing of switch mounting holes, there is not room to mount two DP switches in adjacent positions in the center rails. DP switches may alternate with SP switches, or two SP switches may be installed side-by-side. A 4-pole switch must be separated from any adjacent switch by an empty mounting position.
- As long as these conditions are met, the switches in the side rails, and any installed center rails other than the top rail, may be rearranged at the installer's discretion.

Figure 2: P132-specific switch options

# ELECTRICAL INSTALLATION INSTRUCTIONS AND NOTES FOR P132 AND P122 CONSOLES

## REVISION HISTORY for ALL PAGES of G12132

Rev Level	Date	Description of Changes	Approval
F	10/10/2007	<p>Reorganized and expanded data in all sheets of G12132-1, added data from G12132-15-P132-Choices, and reformatted as a single document.</p> <p>Reformatted and removed B3 circuitry and references from G12132-2 through G12132-11. Removed Overlay data from G12132-11. Removed "Optional" from G12132-23 and renumbered wires to eliminate references to G12132-11. Added G12132-23-P122.</p> <p>Added wiring diagram set G12132-2-073087 through G12132-11-073087 for AS350B3 and moved B3 data from original drawings to this set.</p> <p>Added wiring diagram set G12132-2-073273 through G12132-11-073273 for AS350B2 with VEMD-based instrumentation and Direct Battery bus.</p> <p>Added wiring diagram set G12132-2-073274 through G12132-11-073274 for AS350B3 with Direct Battery bus.</p> <p>Updated G12132-12, and added G12132-12-073273 for B2 and B3 with Direct Battery bus.</p> <p>G12132-13-x, G12132-14-x, G12132-15-x: Replaced B3 outer views with 073087 versions. Updated B2 versions. Added 073273 and 073274 versions. Added D, B, B1 versions. Added corresponding P122 versions for all of these.</p> <p>Updated G12132-16, G12132-17 and G12132-18, and added 073087, 073273 and 072374 versions of these.</p> <p>Deleted G12132-19, G12132-20, G12132-22, G12132-15-P102-Choices.</p> <p>Reformatted and rearranged G12132-21 for improved visual clarity</p> <p>Added G12132-26 Combined Hoist / Hook switch mod, G12132-27 Active-OFF Avionics Master switch mod, G12132-28 Pulse Light Switch and Breaker mods (2 pages), G12132-29 Instrument Lights 2 Switch Mod for Relocated Direct Battery Bus, G12132-30 Engine Alt Air switch mod, and G12132-31 Float Switch Interface mod diagrams.</p>	RBH
G	05/06/2008	<p>Added G12132-32 Dual Hydraulics Circuitry mod diagram</p> <p>Corrected aircraft wiring for ESN-12 on G12132-3-073273 and G12132-3-073274</p> <p>Added missing drawing references in the G12132-073273 and G12132-073274 drawing subsets</p> <p>Corrected drawing references on G12132-13-073087, G12132-13-073087-P122 and G12132-13-073257-P122</p> <p>Corrected typographical errors on G12132-9-073274, G12132-14-073273 and G12132-14-073273-P122</p> <p>Removed "OPTIONAL" from G12132-23-P122</p>	RBH

## ELECTRICAL INSTALLATION INSTRUCTIONS AND NOTES FOR P132 AND P122 CONSOLES

H	09/25/2008	<p>Revised color coding specifications in G12132-1 paragraph 8.6</p> <p>Added note requiring YELLOW color coding for HYDRAULICS TEST switch on G12132-3, G12132-3-073087, G12132-3-073273, G12132-3-073274, G12132-32.</p>	RBH
J	03/23/2009	<p>Added switch series MS27406 thru MS27409 in G12132-1 paragraphs 8.1 and 9.10, outlined the function of these series in paragraph 8.3, and clarified the limitations on modifying the "required" function switches in paragraph 9.1.</p> <p>Incorporated MS27407-3 switch into WARN/FIRE TEST switch circuits in G12132-3, G12132-3-073087, G12132-3-073273 and G12132-3-073274. Changed the following drawings to list the new switch type: G12132-15-B, G12132-15-B-P122, G12132-15-B2, G12132-15-B2-P122, G12132-15-073087, G12132-15-073087-P122, G12132-15-073273, G12132-15-073273-P122, G12132-15-073274 and G12132-15-073274-P122.</p> <p>Updated G12132-073274 wiring set to make Dual Hydraulics standard, as follows: Listed airframe wires for both Single and Dual Hydraulic circuits on G12132-3-073274. Changed standard OP-3 switch type and wiring for SERVO TEST on G12132-5-073274, and switch type on G12132-14-073274, G12132-15-073274 and G12132-15-073274-P122. Changed label and references for EFN-N/A-1 on G12132-10-073274, G12132-14-073274 and G12132-14-073274-P122.</p> <p>Updated G12132-32 to reflect Dual Hydraulics circuits being standard in the G12132-073274 diagram set.</p> <p>Moved function of airframe wire WW1F / 1WW1F inside the B3 consoles to free up one connector pin, affecting drawings G12132-3-073087, G12132-3-073274, G12132-6-073087, G12132-6-073274, G12132-13-073087, G12132-13-073087-P122, G12132-13-073257, G12132-13-073257-P122, G12132-13-073274 and G12132-13-073274-P122.</p> <p>Updated airframe wire for EFN-94 on G12132-10-073274.</p>	RBH
K	03/04/2010	<p>Added drawings G12132-33 and G12132-34 to list under paragraph 1.3.</p> <p>Added wire PE2F or 1PE2F as appropriate to support Very Cold Starting function, affecting drawings G12132-2, G12132-2-073087, G12132-2-073273 and G12132-2-073274.</p> <p>Added wire DH112E or 1DH112E as appropriate, to support Eurocopter Mod 350A07-3397, affecting drawings G12132-3, G12132-3-073087, G12132-3-073273, G12132-3-073274 and G12132-33.</p> <p>Added symbols and note to connect airframe wire shields together for Warning Horn circuit, affecting drawings G12132-3, G12132-3-073087, G12132-3-073273 and G12132-3-073274</p> <p>Added PITOT indicator light option to drawings G12132-5-073273 and G12132-5-073274</p> <p>Removed erroneous airframe wire connections from EFN-57 HOIST breaker circuit, affecting drawings G12132-7 and G12132-7-073273.</p>	RBH

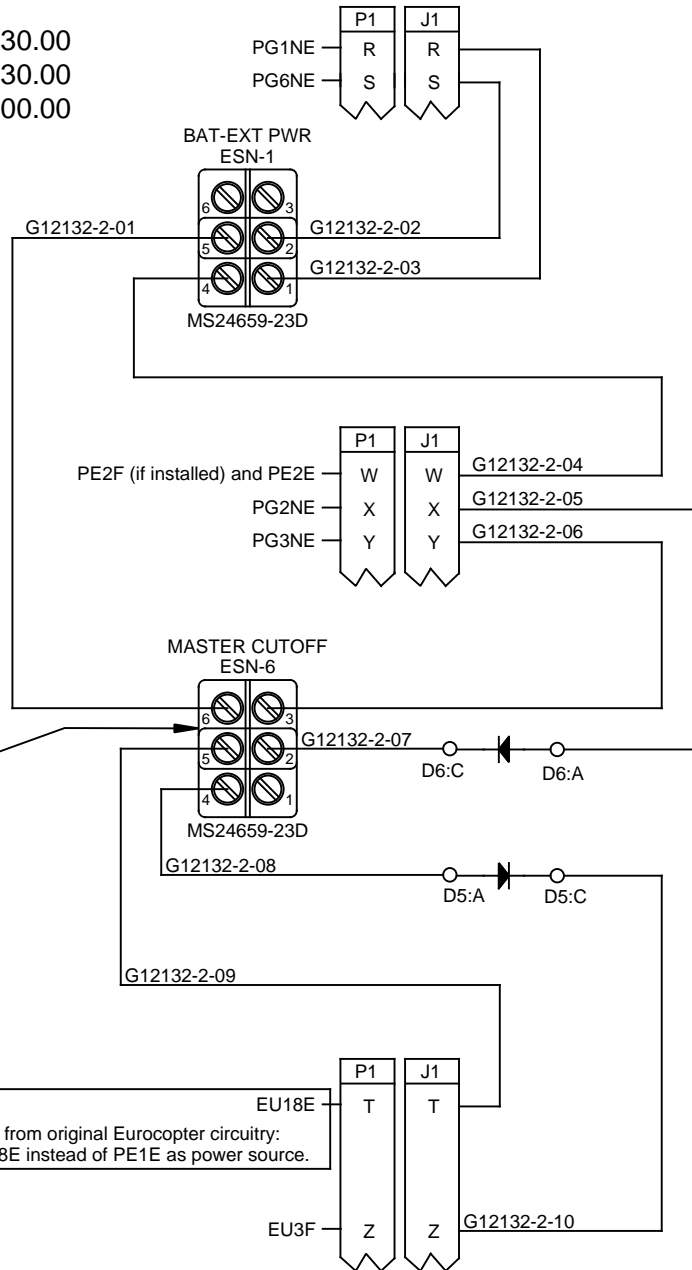
## ELECTRICAL INSTALLATION INSTRUCTIONS AND NOTES FOR P132 AND P122 CONSOLES

L	04/06/2010	<p>Added wiring diagram set G12132-x-073368 for AS350B2 equipped with Rotor Tach Frequency Inverter and Updated Instrument Lighting system per mod 350A07-3368.</p> <p>Updated G12132-1 throughout for the addition of a fifth template, and edited references to mod levels to include mod 350A07-3368 where appropriate.</p> <p>Updated G12132-1 paragraph 1.2 of G12132-1 to match the current revision level of G10251 and G12310.</p> <p>Updated G12132-1 section 1.4 to link the G12132-x-073274 drawing set to mod OP.3346 (Dual Hydraulics), and to cover modifying the -073274 set for compatibility with the Instrument Lights in AS350B3 embodying mod 350A07-3368.</p> <p>Updated G12132-1 paragraphs 3.4 and 3.6 through 3.10 to correct inconsistencies and clarify drawing nomenclature.</p> <p>Updated G12132-1 Figure 2 Flag Note 3 to address 4-pole switches and the overlay lighting power supply.</p> <p>Added G12132-1 paragraphs 8.12 and 9.11.</p>	RBH
M	05/12/2010	<p>Added wiring diagram G12132-35, affecting G12132-1 paragraph 1.3.</p> <p>Updated wiring diagram sets G12132-x-073274 and G12132-x-073368 to provide for Eurocopter Mod 350A07-3476, affecting sheets 2 and 11 of each of these sets.</p> <p>Changed recommended part number for 6A 50V diode on G12132-21 and -31.</p>	RBH
N	12/20/2011	<p>Added wiring diagram set G12132-x-074305 for AS350B3e equipped with the Arriel 2D engine.</p> <p>Updated G12132-1 throughout for the addition of a sixth template, and edited references to mod levels.</p> <p>Added wiring diagram G12132-36, affecting G12132-1 Paragraph 1.3.</p>	RBH
P	2/24/2012	<p>Added Section 7.11 allow substitution of 2.5 Amp Circuit Breakers with a 3 Amp Circuit Breaker.</p>	CLB
Q	12/06/2012	<p>Added wiring diagram set G12132-x-074280 for AS3503B aircraft with factory installed Multibloc console per mod 350A07-4280</p> <p>Updated G12132-1 throughout for the addition of a seventh template, and edited references to mod levels.</p> <p>Added wiring diagrams G12132-37 for AS3503B installations.</p> <p>Updated G12132-03-073273 to accommodate changes made to the Fire Detection circuitry by Eurocopter EASB 26.00.02</p>	GA

## ELECTRICAL INSTALLATION INSTRUCTIONS AND NOTES FOR P132 AND P122 CONSOLES

R	2/08/2013	<p>Updated wiring diagram set G12132-x-074280 to accommodate aircraft wiring changes i.a.w Eurocopter SB 350A-00.01.66</p> <p>Removed wiring diagram set G12132-x-074305</p> <p>Added wiring diagram set G12132-x-073476 for aircraft post-mod 350A07-3476</p> <p>Updated G12132-1 to cover drawing modifications listed above.</p>	GA
S	9/17/2014	<p>Added alternate part numbers for wires.</p>	GA
T	4/27/2017	<p>Updated G12132-1 section 1.4.7 for aircraft embodying mod 350A07-4629 and 350A07-4677</p> <p>Updated G12132-1 section 9.1 for HYD TEST change to momentary locking on B3 aircraft.</p> <p>Updated G12132-x-074280 for the following: Implementing changes made in mod 350A07-4629 and mod 350A07-4677 and changing ESN-11 switch type to locking momentary.</p> <p>Added drawings G12132-14-074629 and G12132-14-074629-P122 to show FUEL LOW breaker added on mod 350A07-4629.</p> <p>Updated G12132-3-073273 to correct WARN / FIRE TEST switch wiring.</p> <p>Updated G12132-3-073274, G12132-15-073274, and G12132-15-073274-P122 to change ESN-11 switch type to locking momentary.</p> <p>Updated G12132-3-073476, G12132-15-073476, and G12132-15-073476-P122 to change ESN-11 switch type to locking momentary.</p> <p>Updated G12132-30 to show wire number differences on Single and Dual Hydraulic aircraft.</p>	GA
U	10/20/2017	<p>Added G12132-1 section 1.4.8 for G12132-x-074280B2 drawing set.</p> <p>Updated G12132-1 section 9.1 for HYD TEST change to momentary locking on B3 Dual Hydraulic aircraft. Added ACCU TST option for HYD TEST switch.</p> <p>Updated G12132-3-073274, G12132-15-073274, and G12132-15-073274-P122 to add ACCU TST option for HYDRAULIC TEST switch.</p> <p>Updated G12132-3-073476, G12132-15-073476, and G12132-15-073476-P122 to add ACCU TST option for HYDRAULIC TEST switch.</p> <p>Updated G12132-3-074280, G12132-15-074280, and G12132-15-074280-P122 to add ACCU TST option for HYDRAULIC TEST switch.</p> <p>Updated G12132-10-074280, G12132-14-074629 and G12132-14-074629-P122 and added drawings G12132-13-074629 and G12132-13-074629-P122 to show FUEL LOW breaker swapped with GYRO breaker.</p> <p>Updated G12132-4-074280 for Anti-Collision Light external wiring change.</p>	GA

ref: WDM 24.30.00  
 ref: WDM 62.30.00  
 ref: WDM 77.00.00



The toggle of this switch must be marked with the color RED

Changed from original Eurocopter circuitry:  
 Use EU18E instead of PE1E as power source.

**NOTICE:**

The circuitry related to the BAT-EXT PWR switch and the MASTER ELECTRICAL CUTOFF switch has been changed from the Eurocopter original circuitry. The functions are the same, but the wiring is different. Install using this wiring, and use this drawing for future electrical trouble shooting.

D	ADDED AIRFRAME WIRE PE2F	03/04/10	RBH
C	UPDATED FORMAT, COMPANY INFO; REPLACED P102 WITH P122 DATA; ADDED AIRCRAFT VERSION INFO	10/10/07	RBH
B	UPDATED INFO	08/16/00	GLH
A	RELABELLED CONNECTORS	04/22/00	GLH
REV	DESCRIPTION	DATE	APROV.
REVISION			

Effectivity: AS350D, D1, B, BA, B1, and B2 predating mod 350A07-3273

SEE NOTES ON G12132-1



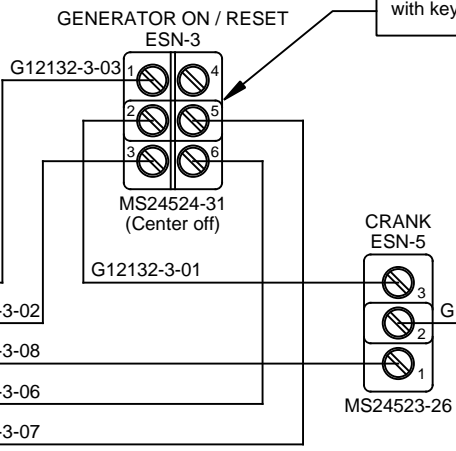
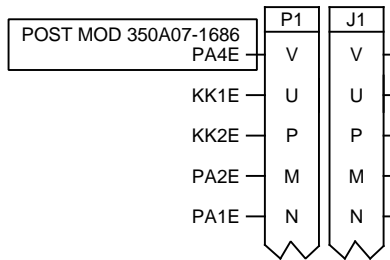
THIS DRAWING INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.

DRAWN	GLH	DATE	03/30/00
APPROVAL	GLH	DATE	03/30/00
PRO NO.	GA107	SHT.	1

TITLE	SWITCH DETAILS
	P132 and P122 CONSOLE WIRING
DWG NO.	G12132-2
REV.	D

ref: WDM 24.30.00  
ref: WDM 80.00.00

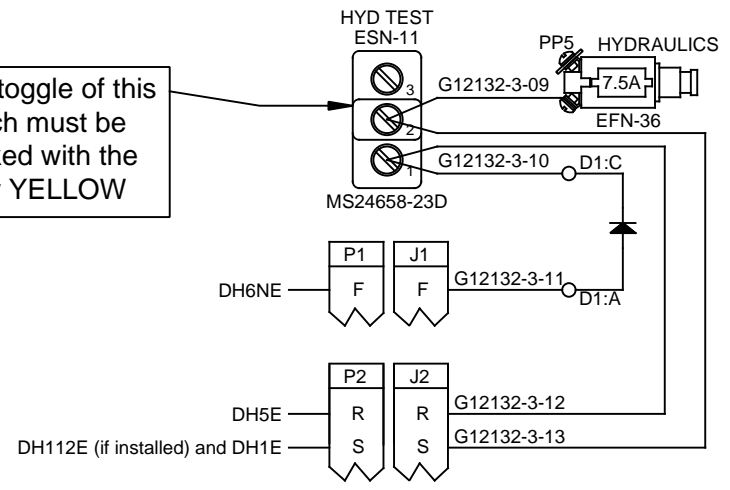
The Generator switch has a center off position. The up position provides the normal GENERATOR ON function. The momentary down position provides the GENERATOR RESET function.



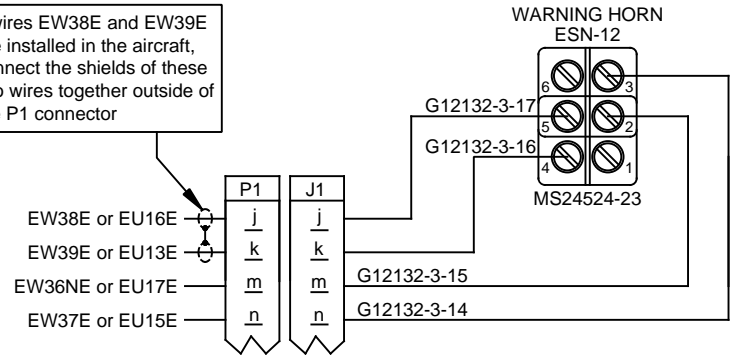
NOTE:  
This switch is installed with keyway facing aft.

The toggle of this switch must be marked with the color YELLOW

ref: WDM 29.00.00

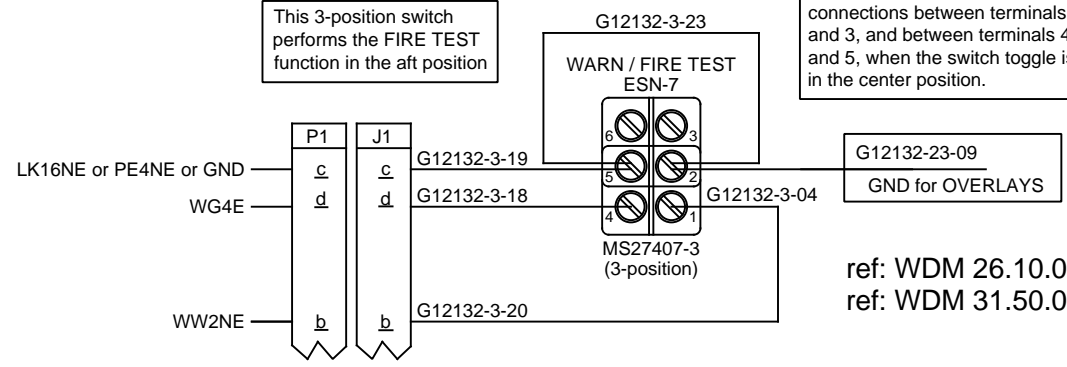


If wires EW38E and EW39E are installed in the aircraft, connect the shields of these two wires together outside of the P1 connector



ref: WDM 62.30.00

This 3-position switch performs the FIRE TEST function in the aft position



NOTE: ESN-7 maintains connections between terminals 2 and 3, and between terminals 4 and 5, when the switch toggle is in the center position.

ref: WDM 26.10.00  
ref: WDM 31.50.00

REV	DESCRIPTION	DATE	APPROV.
F	ADDED SHIELD NOTE FOR ESN-12 AIRFRAME WIRES; ADDED WIRE DH112E TO HYDRAULICS CIRCUIT; ADDED EFN-7 NOTES	03/04/10	RBH
E	CHANGED ESN-7 TYPE & WIRING	03/23/09	RBH
D	ADDED ESN-11 COLOR CODING	09/25/08	RBH
C	UPDATED FORMAT, COMPANY INFO REPLACED P102 WITH P122 DATA ADDED AIRCRAFT VERSION NOTE UPDATED WIRE NUMBERS, MOVED B3 DATA OFF PAGE	10/10/07	RBH
B	UPDATED INFO	08/16/00	GLH
A	RELABELLED CONNECTORS	04/22/00	GLH
REV	DESCRIPTION	DATE	APPROV.
REVISION			

Effectivity: AS350D, D1, B, BA, B1, and B2 predating mod 350A07-3273

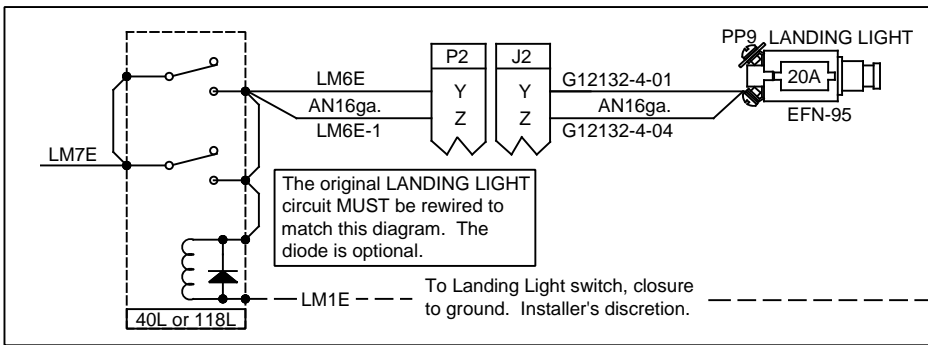
SEE NOTES ON G12132-1



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DRAWN	GLH	DATE	03/30/00
APPROVAL	GLH	DATE	03/30/00
PRO NO.	GA107	SHT.	1

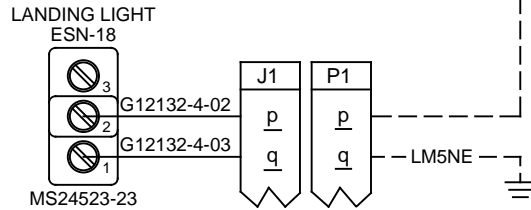
TITLE	SWITCH DETAILS		
	P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-3	REV.	F



ref: WDM 33.43.00

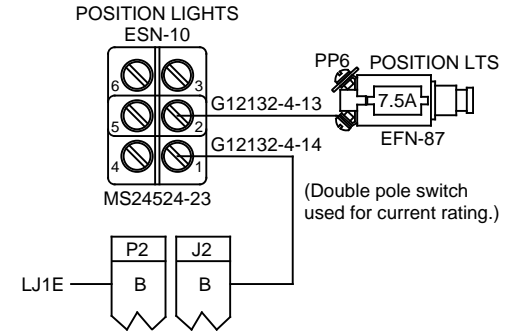
This LANDING LIGHT switch circuit is optional, at the installer's discretion. Another switch and location may be substituted for the switch and location specified, with appropriate labeling. If an alternate location is used for the LANDING LIGHT switch, then the switch and position specified here may be used for another circuit, with appropriate labeling.

The landing light switch can be located on the Pilot's Collective Grip if desired.

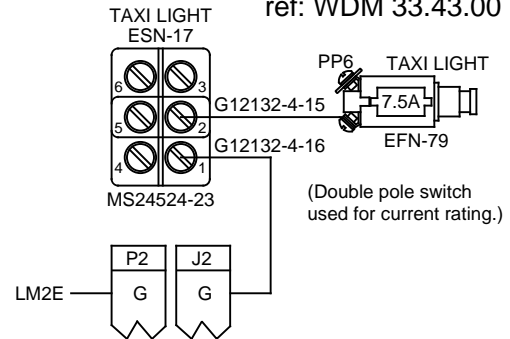


Wires LM1E and LM5NE may be 16 ga. and need to have strands trimmed off in order to fit into the connector.

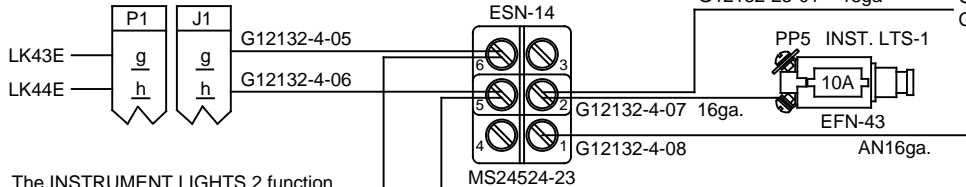
ref: WDM 33.41.00



ref: WDM 33.43.00

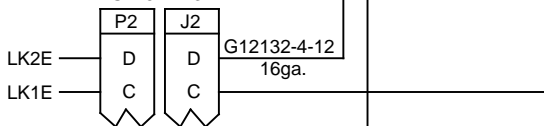
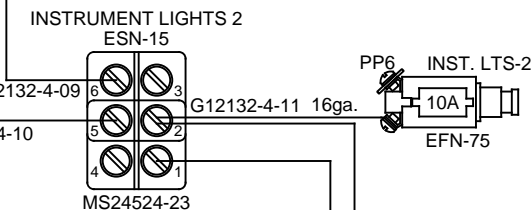


INSTRUMENT LIGHTS 1 ESN-14 G12132-23-01 18ga G12301:1 DIMMER CONTROL (SEE G12132-23 or G12132-23-P122)



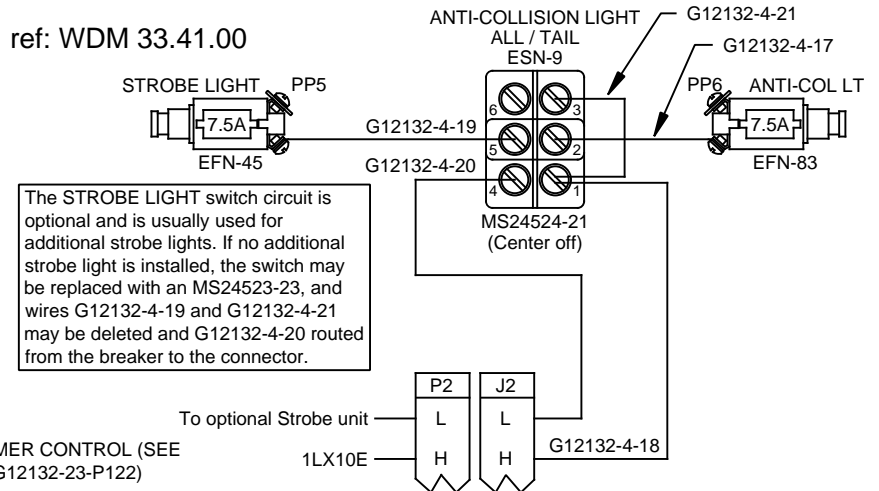
The INSTRUMENT LIGHTS 2 function is required when using the Eurocopter dimmer module for the Instrument Panel lighting. This function is not used when using the Geneva dimmer. If this function is not used, the two wires connecting ESN-15 to ESN-14 may be removed, and the INSTRUMENT LIGHTS 2 circuit may then be used for another function, with suitable labeling.

ref: WDM 33.10.00



G12132-23-01 18ga G12301:1 DIMMER CONTROL (SEE G12132-23 or G12132-23-P122)

ref: WDM 33.41.00



SEE NOTES ON G12132-1

Effectivity: AS350D, D1, B, BA, B1, and B2 predating mod 350A07-3273



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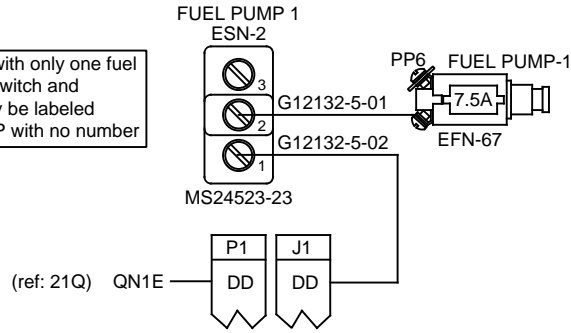
DRAWN	GLH	DATE	03/30/00
APPROVAL	GLH	DATE	03/30/00
PRO NO.	GA107	SHT.	1

TITLE	LIGHTING CIRCUITS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-4	REV.	E

REV	DESCRIPTION	DATE	APROV.
E	REformatted: UPDATED INFO ADDED AIRCRAFT VERSION NOTE MOVED PULSE LIGHT OFF PAGE	10/10/07	RBH
D	ADDED OPTIONAL CIRCUIT FOR LANDING / PULSE LIGHT	09/02/03	GLH
C	ADDED OPTIONAL WIRING TO DIMMER CONTROL	06/06/02	GLH
B	UPDATED INFO	08/16/00	GLH
A	CHANGED LANDING LIGHT CIRCUIT RELABELLED CONNECTORS	04/22/00	GLH

ref: WDM 28.00.00

On aircraft with only one fuel pump, this switch and breaker may be labeled FUEL PUMP with no number

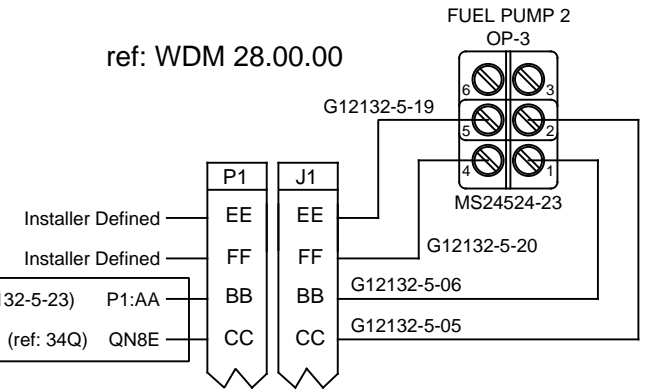


ref: WDM 28.00.00

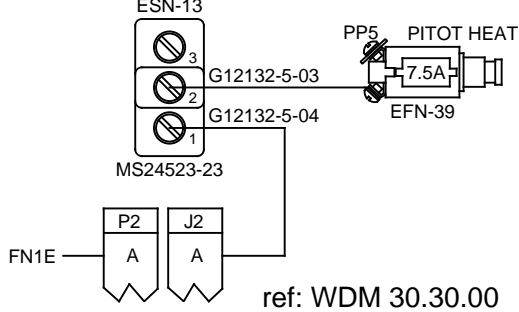
Aircraft with only one Fuel Pump may use this entire circuit for another function. If used for something other than FUEL PUMP 2, the switch will be referred to on the documentation as OP-3, and must also be labeled to identify its use.

(From EFN-68 Fuel Pump 2 breaker, wire G12132-5-23) P1:AA

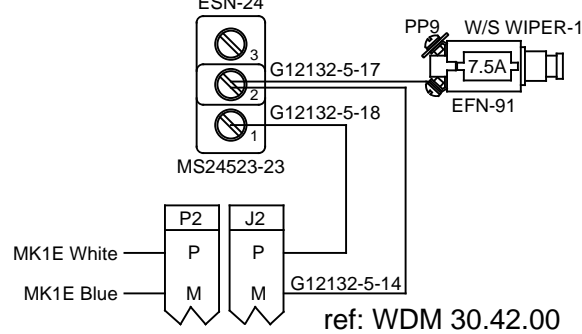
(ref: 34Q) QN8E



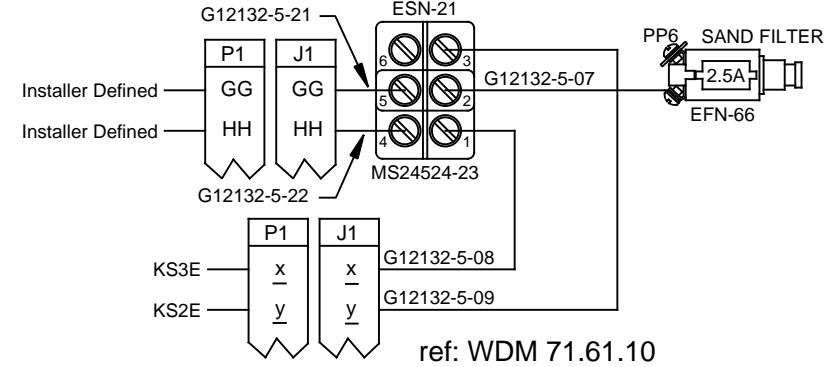
PITOT HEAT



W/S WIPER



SAND FILTER

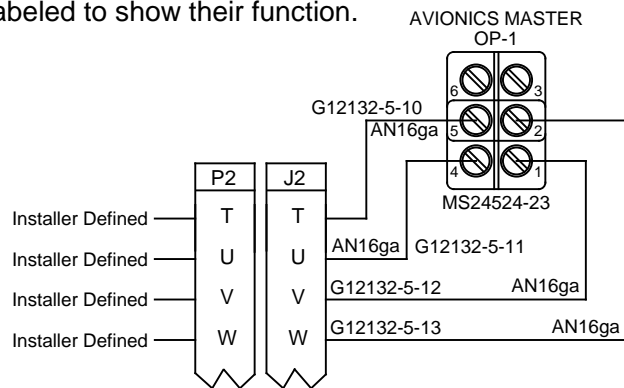


SEE G12132-16 FOR SAMPLE OPTIONAL CIRCUITS

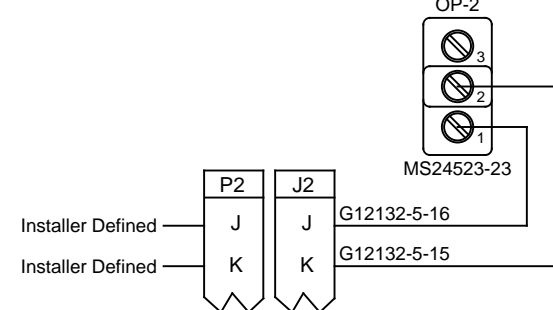
The OP-x switches and wiring are optional. If they are installed, they must be labeled to show their function.

SWITCH CURRENT RATINGS:

MS24523-23: Resistive: 20A, Inductive: 15A, Lamp: 5A  
MS24524-23: Resistive: 20A, Inductive: 15A, Lamp: 7A



CARGO HOOK



C	UPDATED FORMAT, COMPANY INFO REPLACED P102 WITH P122 DATA ADDED AIRCRAFT VERSION NOTE	10/10/07	RBH
B	UPDATED INFO	08/16/00	GLH
A	RELABELLED CONNECTORS	04/22/00	GLH
REV	DESCRIPTION	DATE	APROV.
REVISION			

Effectivity: AS350D, D1, B, BA, B1, and B2 predating mod 350A07-3273

SEE NOTES ON G12132-1

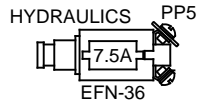


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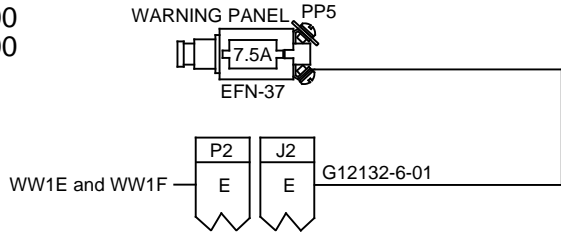
DRAWN	GLH	DATE	03/30/00
APPROVAL	GLH	DATE	03/30/00
PRO NO.	GA107	SHT.	1

TITLE	SWITCH DETAILS		
	P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-5	REV.	C

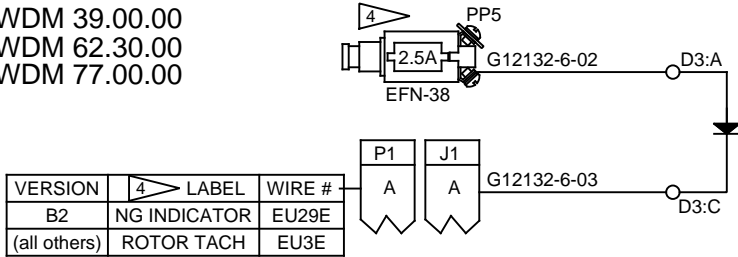
Detailed on G12132-3



ref: WDM 39.00.00  
ref: WDM 31.50.00

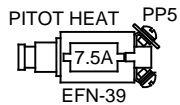


ref: WDM 39.00.00  
ref: WDM 62.30.00  
ref: WDM 77.00.00

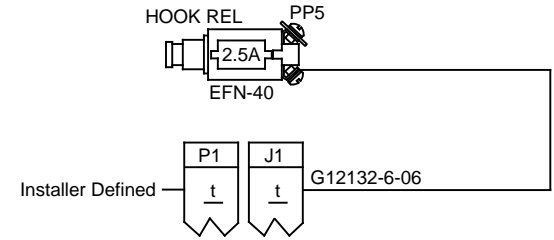


VERSION	4	LABEL	WIRE #
B2		NG INDICATOR	EU29E
(all others)		ROTOR TACH	EU3E

Detailed on G12132-5

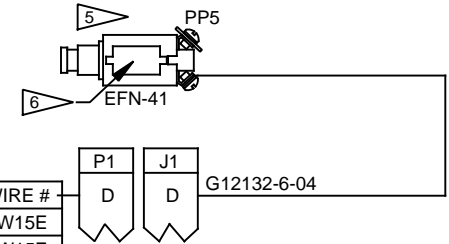


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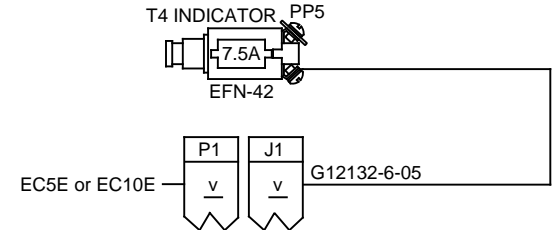


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ref: WDM 62.30.00  
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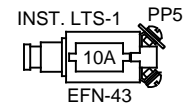
VERSION	5	LABEL	6	RATING	WIRE #
D		OVERSPEED		7.5A	EW15E
B1		BLEED VALVE		2.5A	EW15E
B2		ROTOR TACH		2.5A	EU3E



ref: WDM 39.00.00  
ref: WDM 77.00.00



Detailed on G12132-4



REV	DESCRIPTION	DATE	APROV.
C	UPDATED FORMAT, COMPANY INFO REPLACED P102 WITH P122 DATA ADDED AIRCRAFT VERSION NOTE MOVED B3 DATA OFF PAGE	10/10/07	RBH
B	UPDATED INFO	08/16/00	GLH
A	RELABELLED CONNECTORS	04/22/00	GLH
REVISION			

Effectivity: AS350D, D1, B, BA, B1, and B2 predating mod 350A07-3273

SEE NOTES ON G12132-1

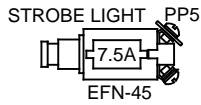


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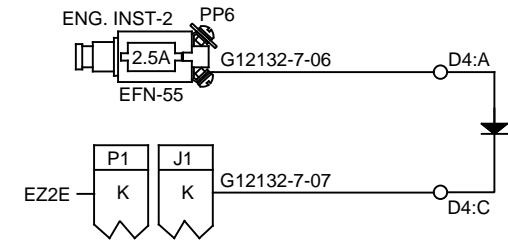
DRAWN	GLH	DATE	03/30/00
APPROVAL	GLH	DATE	03/30/00
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-6	REV.	C

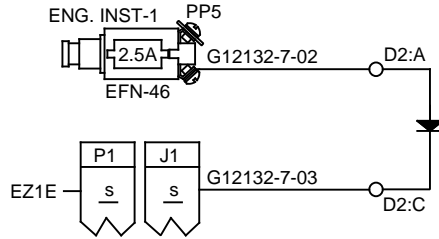
Detailed on G12132-4



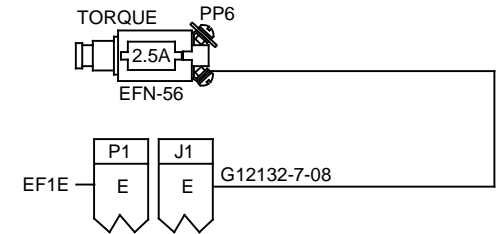
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ref: WDM 77.00.00  
ref: WDM 79.00.00



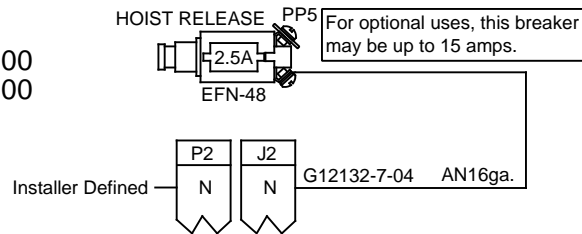
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ref: WDM 39.00.00  
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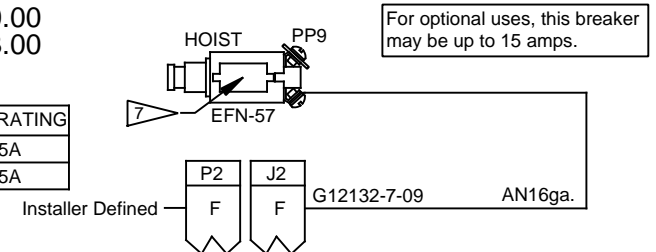


ref: WDM 39.00.00  
ref: WDM 25.63.00  
ref: G12132-18



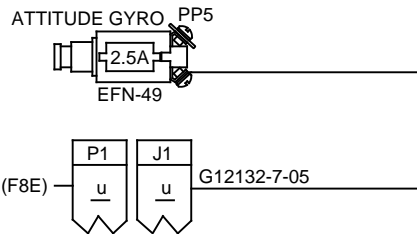
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ref: WDM 25.63.00  
ref: G12132-18

CAPACITY	RATING
450lb	7.5A
300lb	2.5A

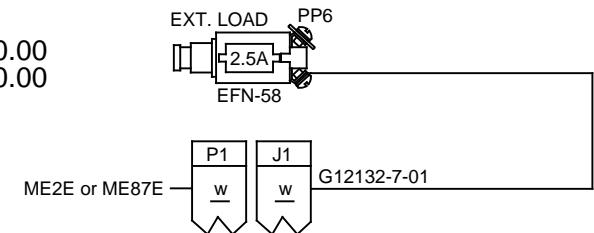


ref: WDM 39.00.00  
ref: WDM 34.20.00

Wire power directly to Attitude Gyro, or optionally wire power through an On/Off switch.



ref: WDM 39.00.00  
ref: WDM 25.80.00



REV	DESCRIPTION	DATE	APROV.
D	REMOVED ERRONEOUS AIRFRAME WIRES FROM EFN-57 TABLE	03/04/10	RBH
C	UPDATED FORMAT, COMPANY INFO REPLACED P102 WITH P122 DATA ADDED AIRCRAFT VERSION NOTE MOVED B3 DATA OFF PAGE	10/10/07	RBH
B	UPDATED INFO	08/16/00	GLH
A	RELABELLED CONNECTORS	04/22/00	GLH
REV	DESCRIPTION	DATE	APROV.
REVISION			

Effectivity: AS350D, D1, B, BA, B1, and B2 predating mod 350A07-3273

SEE NOTES ON G12132-1

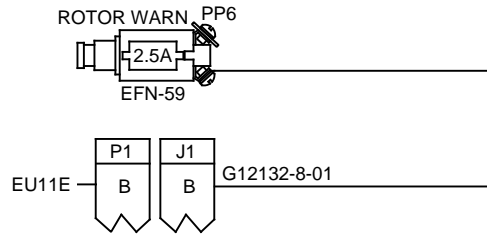


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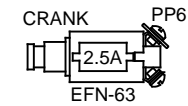
DRAWN	GLH	DATE	03/30/00
APPROVAL	GLH	DATE	03/30/00
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING
DWG NO.	G12132-7
REV.	D

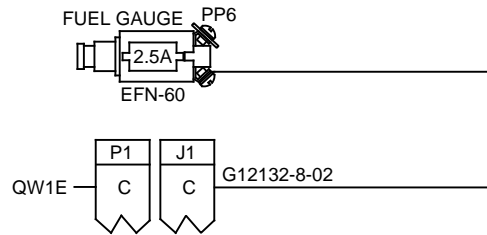
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ref: WDM 62.30.00



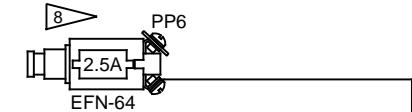
Detailed on G12132-3



ref: WDM 39.00.00  
ref: WDM 28.00.00

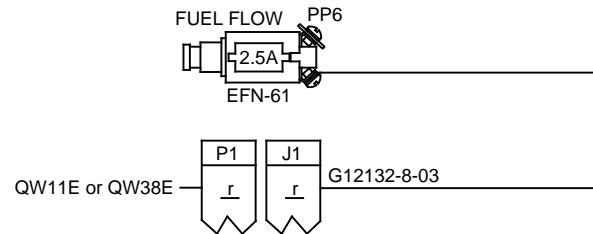


ref: WDM 39.00.00  
ref: WDM 77.00.00

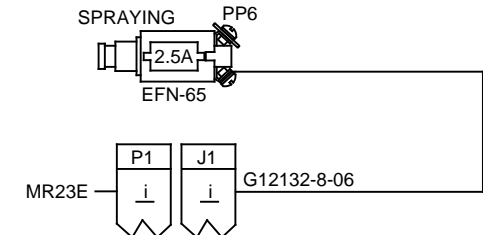


VERSION	8	LABEL	WIRE #
D		NG GAUGE	EU5E
D1,B1,B2		NTL IND.	EU26E

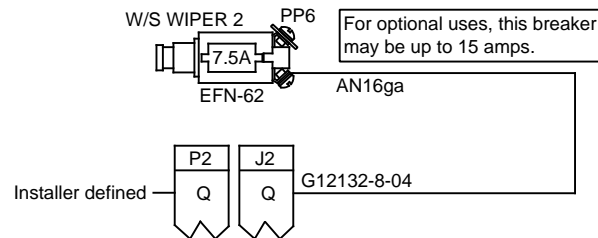
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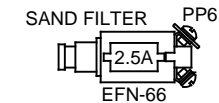
ref: WDM 39.00.00  
ref: WDM 25.92.00



ref: WDM 39.00.00  
ref: WDM 30.42.00



Detailed on G12132-5



REV	DESCRIPTION	DATE	APROV.
C	UPDATED FORMAT, COMPANY INFO REPLACED P102 WITH P122 DATA ADDED AIRCRAFT VERSION NOTE REMOVED LAPD AND B3 DATA	10/10/07	RBH
B	UPDATED INFO	08/16/00	GLH
A	RELABELED CONNECTORS	04/22/00	GLH
REV	DESCRIPTION	DATE	APROV.
REVISION			

Effectivity: AS350D, D1, B, BA, B1, and B2 predating mod 350A07-3273

SEE NOTES ON G12132-1



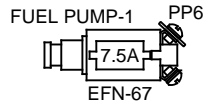
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DRAWN	GLH	DATE	03/30/00
APPROVAL	GLH	DATE	03/30/00
PRO NO.	GA107	SHT.	1

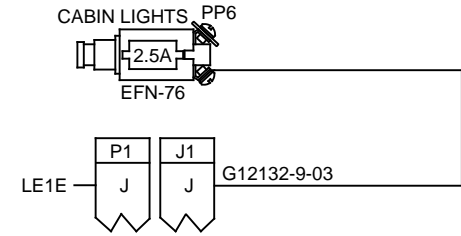
TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-8	REV.	C

Detailed on G12132-5

On aircraft with only one fuel pump, this breaker may be labeled FUEL PUMP with no number

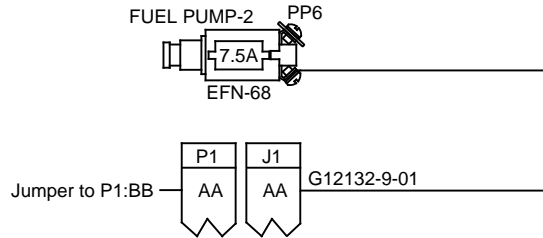


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ref: WDM 33.10.00

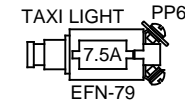


ref: WDM 39.00.00  
ref: WDM 28.00.00  
ref: G12132-5

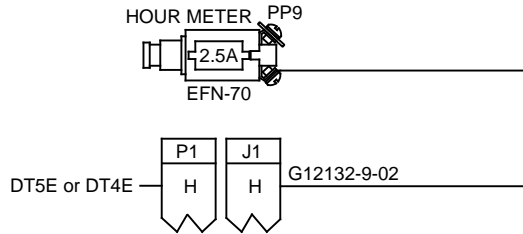
For aircraft with only one Fuel Pump, this breaker is SPARE and the wiring is Installer Defined.



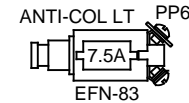
Detailed on G12132-4



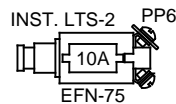
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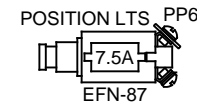
Detailed on G12132-4



Detailed on G12132-4



Detailed on G12132-4



C	UPDATED FORMAT, COMPANY INFO REPLACED P102 WITH P122 DATA ADDED AIRCRAFT VERSION NOTE MOVED B3 DATA OFF PAGE	10/10/07	RBH
B	UPDATED INFO	08/16/00	GLH
A	RELABELLED CONNECTORS	04/22/00	GLH
REV	DESCRIPTION	DATE	APROV.
REVISION			

Effectivity: AS350D, D1, B, BA, B1, and B2 predating mod 350A07-3273

SEE NOTES ON G12132-1

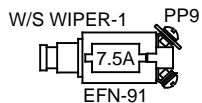


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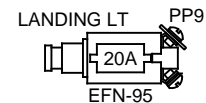
DRAWN	GLH	DATE	03/30/00
APPROVAL	GLH	DATE	03/30/00
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING
DWG NO.	G12132-9
REV.	C

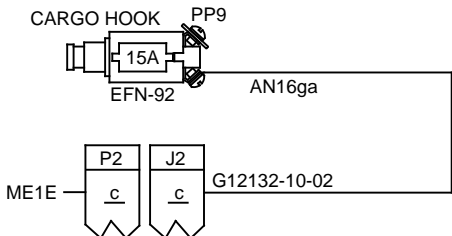
Detailed on G12132-5



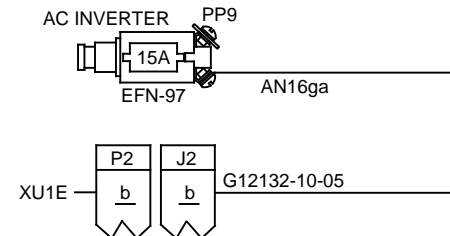
Detailed on G12132-4



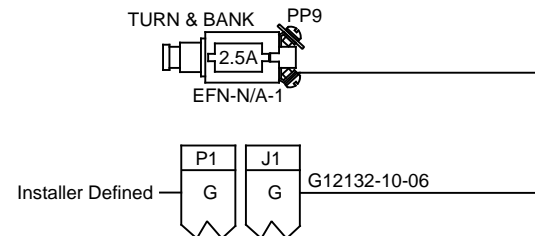
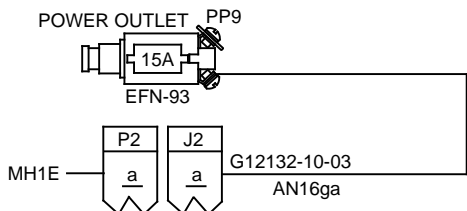
ref: WDM 39.00.00  
ref: WDM 25.80.00



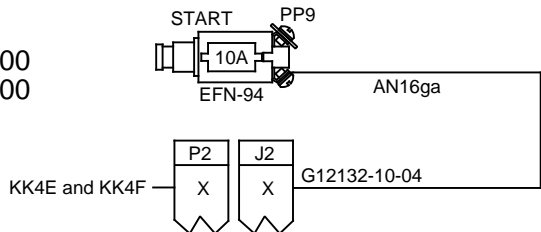
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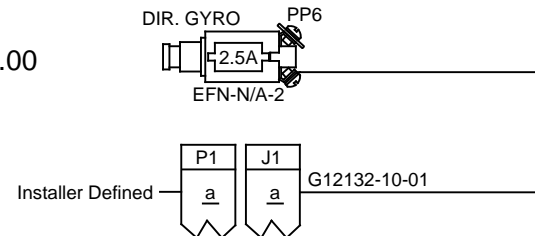
ref: WDM 25.26.00



ref: WDM 39.00.00  
ref: WDM 80.00.00



ref: WDM 34.20.00



C	UPDATED FORMAT, COMPANY INFO REPLACED P102 WITH P122 DATA ADDED AIRCRAFT VERSION NOTE ADDED EFN-95	10/10/07	RBH
B	UPDATED INFO	08/16/00	GLH
A	RELABELLED CONNECTORS	04/22/00	GLH
REV	DESCRIPTION	DATE	APROV.
REVISION			

Effectivity: AS350D, D1, B, BA, B1, and B2 predating mod 350A07-3273

SEE NOTES ON G12132-1

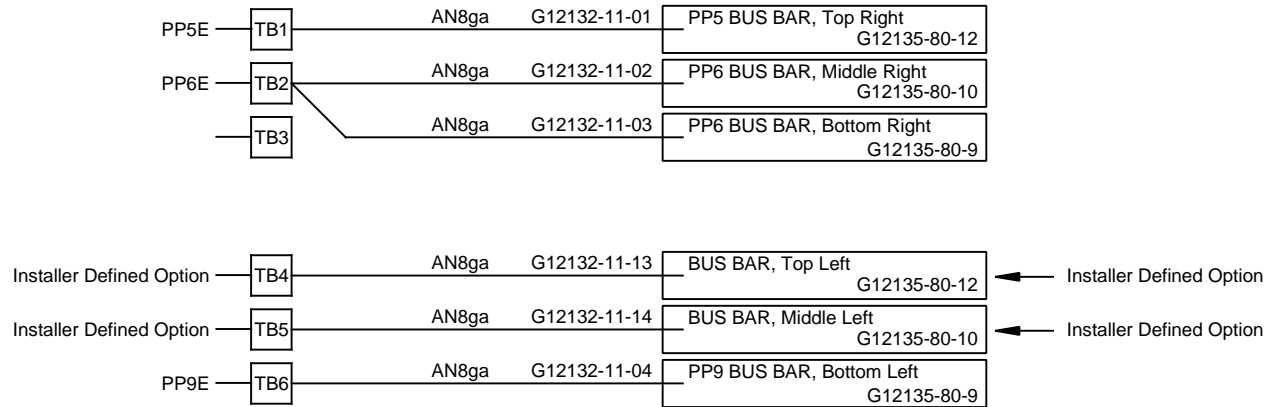


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DRAWN	GLH	DATE	03/30/00
APPROVAL	GLH	DATE	03/30/00
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-10	REV.	C

ref: WDM 24.30.00



### Primary Power to Circuit Breakers

D	UPDATED FORMAT. COMPANY INFO REPLACED P102 WITH P122 DATA ADDED AIRCRAFT VERSION NOTE MOVED LIGHTING INFO OFF PAGE	10/10/07	RBH
C	CHANGED OVERLAY CONNECTORS	06/11/02	CLB
B	UPDATED INFO	08/16/00	GLH
A	CHANGED 8ga. WIRE CONNECTIONS RELABELED CONNECTORS	04/22/00	GLH
REV	DESCRIPTION	DATE	APROV.
REVISION			

Effectivity: AS350D, D1, B, BA, B1, and B2 predating mod 350A07-3273

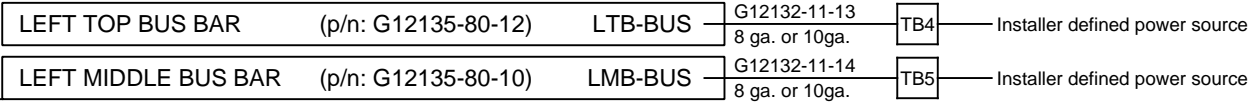
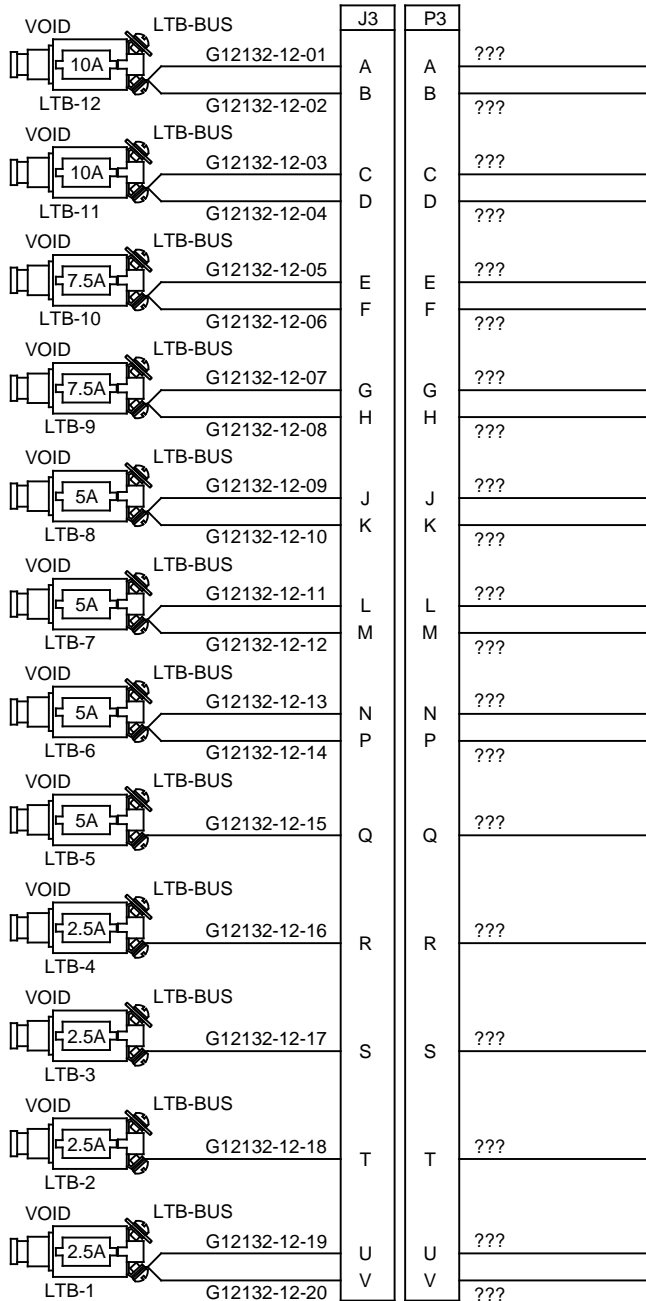
SEE NOTES ON G12132-1



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DRAWN	GLH	DATE	03/30/00
APPROVAL	GLH	DATE	03/30/00
PRO NO.	GA107	SHT.	1

TITLE	BUS BAR DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-11	REV.	D



??? = Installer Defined

NOTE:  
ALL WIRES ON THIS DRAWING ARE 16 ga. UNLESS SHOWN OTHERWISE.  
RING TERMINALS FOR CIRCUIT BREAKERS ARE RED #6 (p/n 36152), EXCEPT FOR DUAL WIRES WHICH HAVE BOTH WIRES CRIMPED INTO ONE BLUE #6 RING TERMINAL (p/n 326882 or 36158).

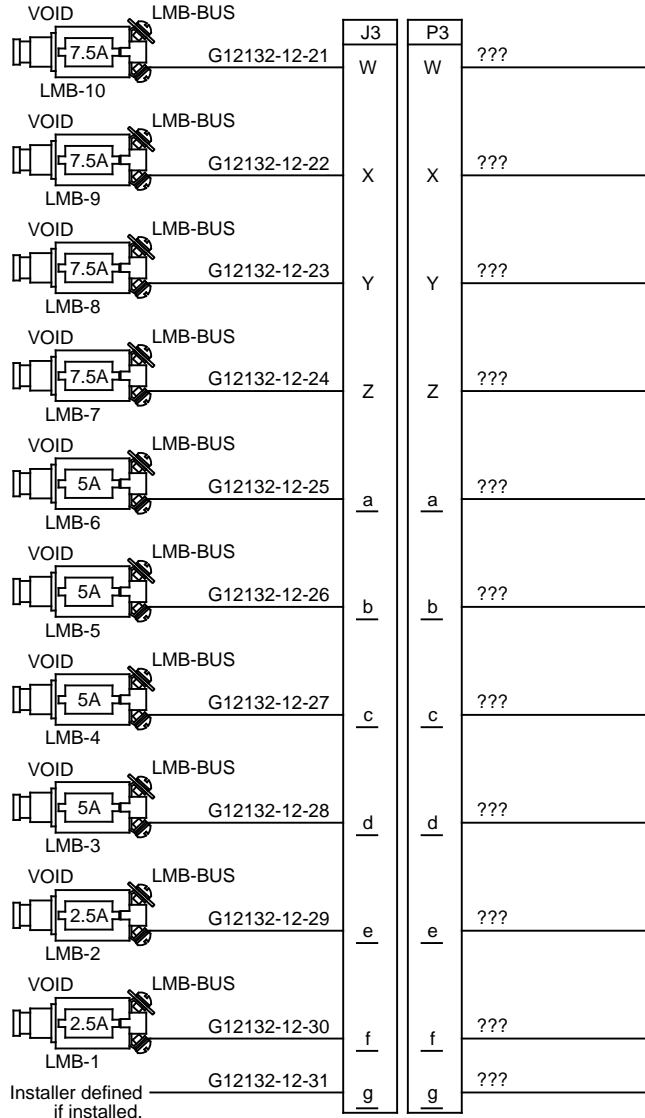
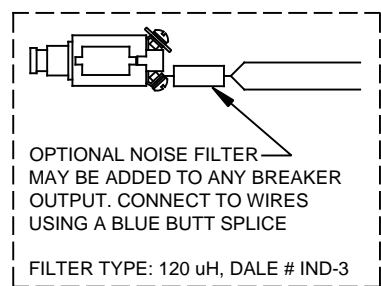
NOTE:  
THE CIRCUIT BREAKER CURRENT RATINGS AND NAMES SHOWN ARE JUST AN EXAMPLE. ALL WIRES ARE SUITABLE FOR 15A BREAKERS, OR LESS.

NOTE:  
The word: SPARE marked on this diagram is used to represent a breaker or wire that is installed but not assigned.

The word: BLANK means that the wires are installed but not the circuit breaker.

The word: VOID means that the breaker is not installed and the wires for that breaker are not installed.

AIRCRAFT FWD



D	UPDATED FORMAT, COMPANY INFO REPLACED P102 WITH P122 DATA ADDED AIRCRAFT VERSION NOTE	10/10/07	RBH
C	MADE NOISE FILTER OPTIONAL AND CHANGED CIRCUIT NAMES	10/30/00	GLH
B	UPDATED INFO	08/16/00	GLH
A	ALL NEW DRAWING	04/22/00	GLH
REV	DESCRIPTION	DATE	APROV.
REVISION			

Effectivity: AS350D, D1, B, BA, B1, B2 predating mod 350A07-3273, and B3 predating mod 350A07-3274

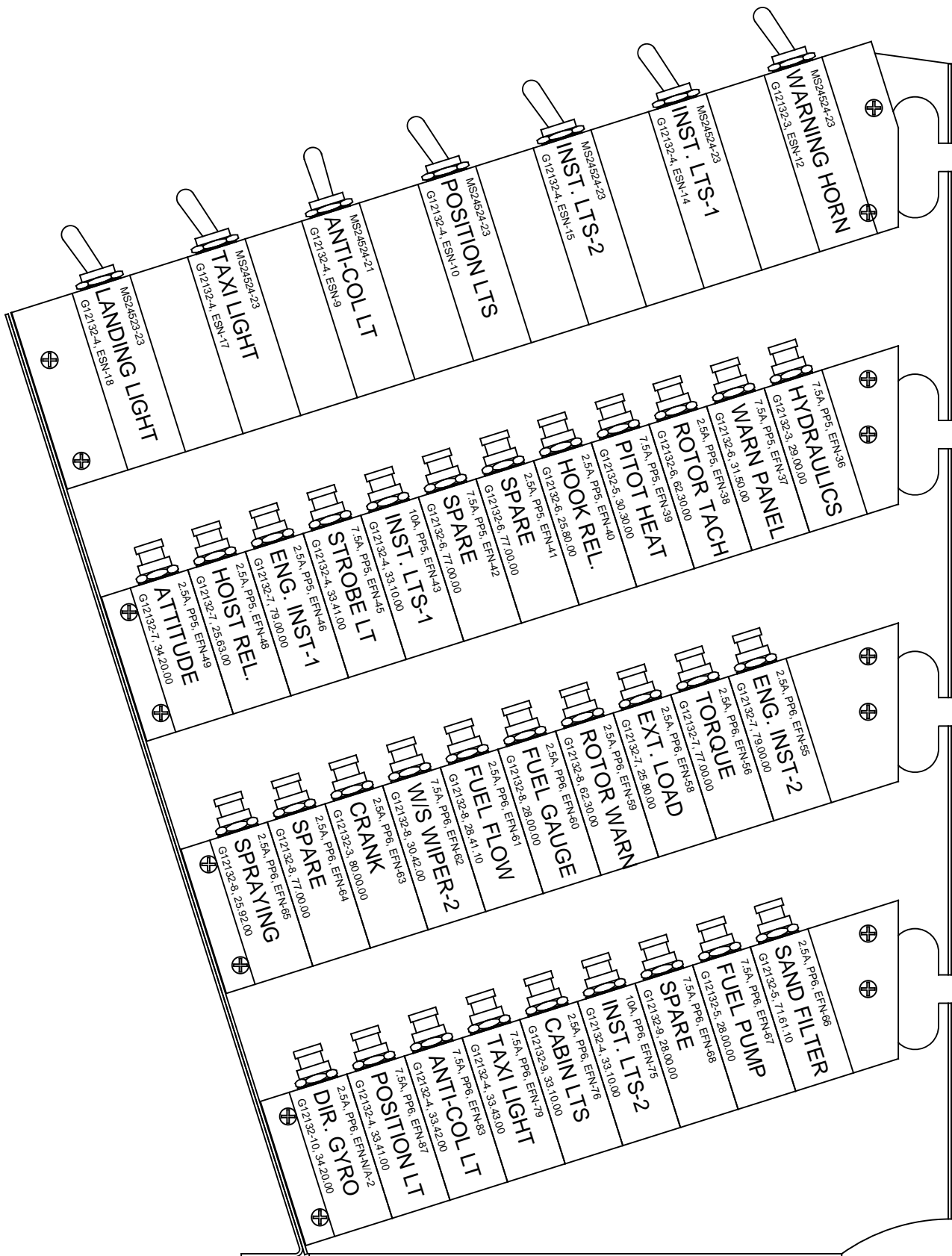


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DRAWN	GLH	DATE	03/30/00
APPROVAL	GLH	DATE	03/30/00
PRO NO.	GA107	SHT.	1

TITLE	OPTIONAL CIRCUIT BREAKERS P132 and P122 CONSOLE WIRING
DWG NO.	G12132-12
REV.	D

SEE NOTES ON G12132-1



**FWD** →

Effectivity: AS350B, BA

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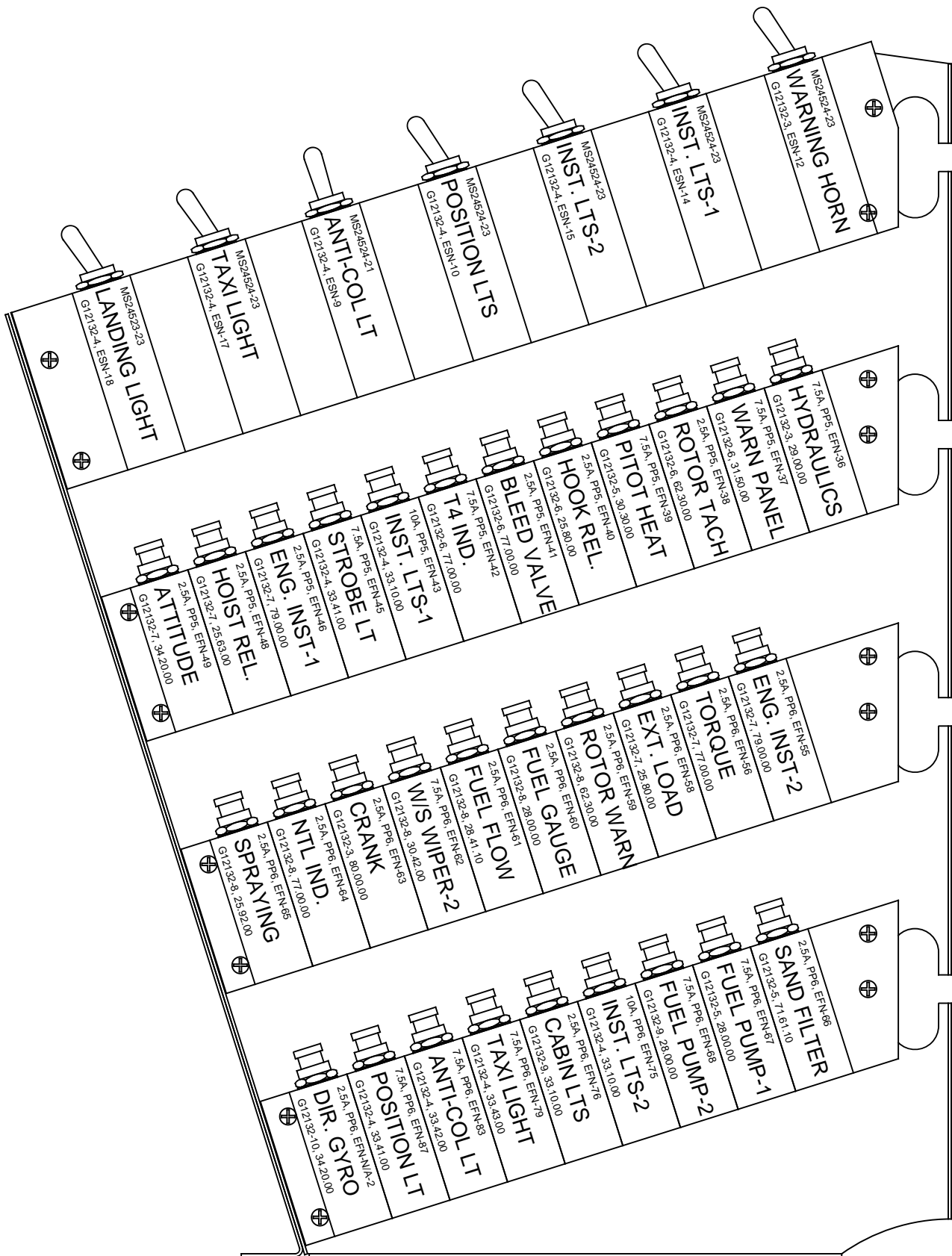
TITLE  
**CONSOLE BREAKER LAYOUT**  
**P132 RIGHT SIDE VIEW for AS350B**

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DRAWN	RBH	DATE	10/10/07
CHECKED	GA	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

DWG NO.	G12132-13-B	REV.	--
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REV	DESCRIPTION	DATE	APPROV.
	REVISION		



FWD →

Effectivity: AS350B1

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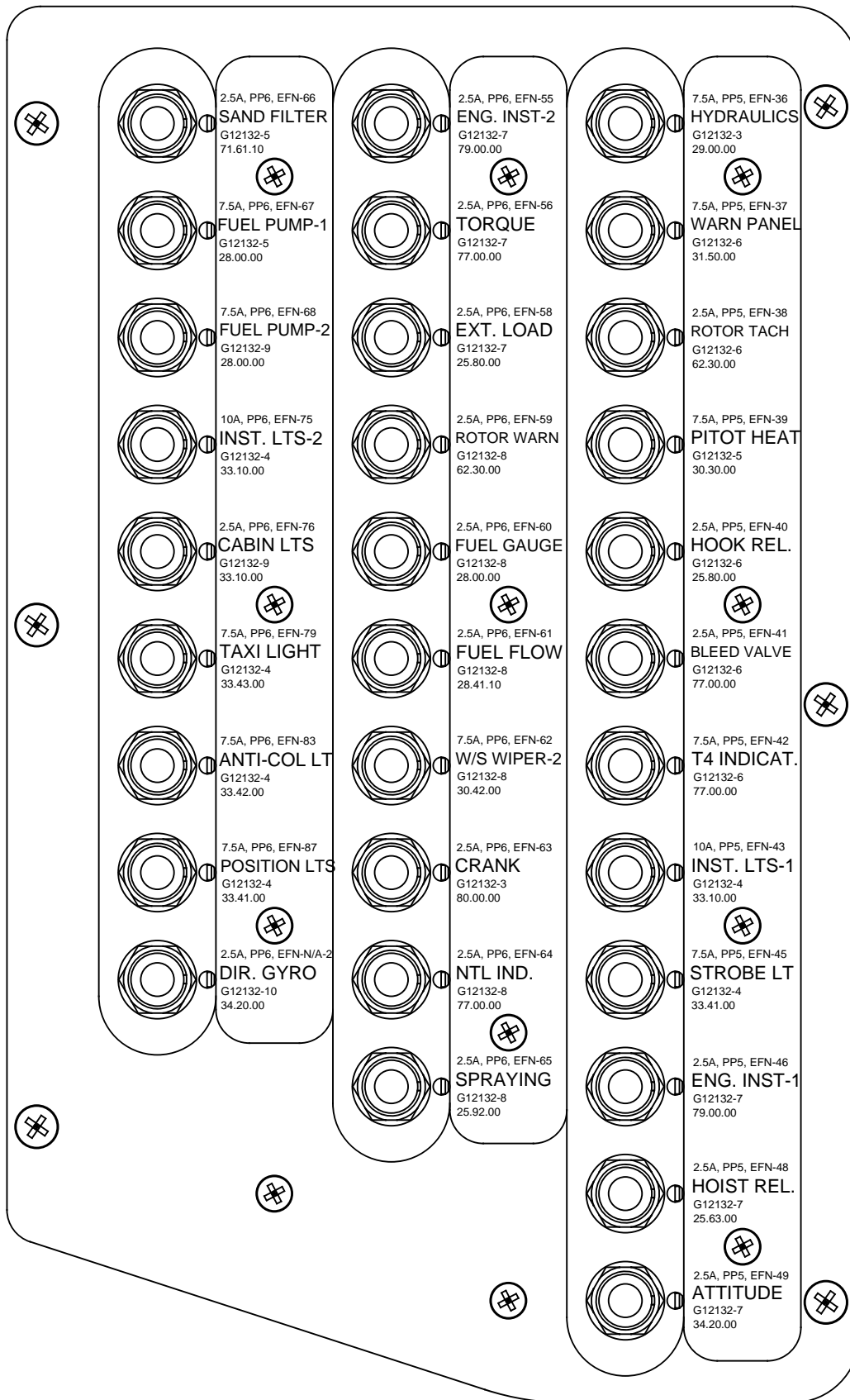
TITLE  
CONSOLE BREAKER LAYOUT  
P132 RIGHT SIDE VIEW for AS350B1  
DWG NO. G12132-13-B1

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APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

REV	DESCRIPTION	DATE	APPROV.
	REVISION		

REV. --



FWD →

Effectivity: AS350B1

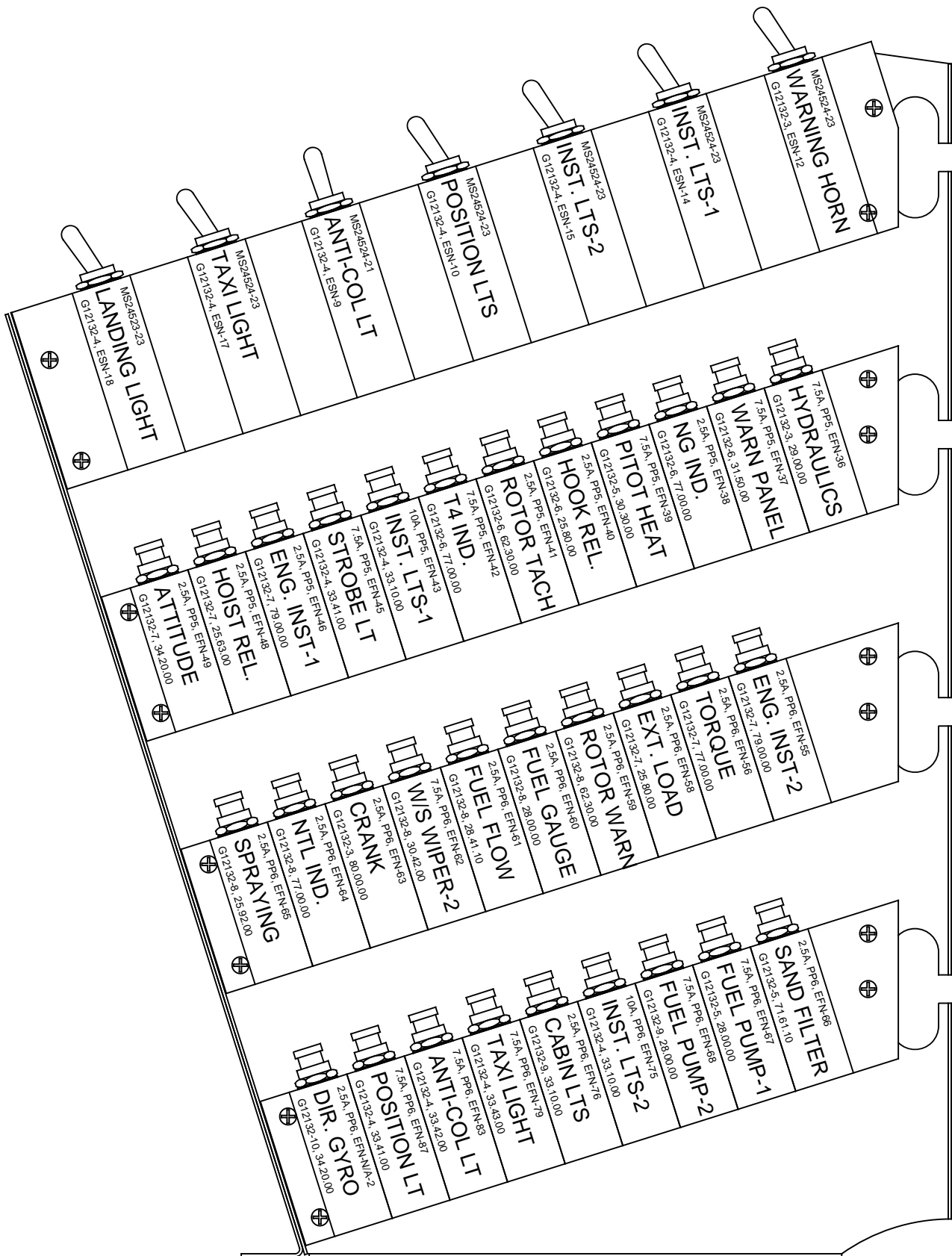


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	CHECKED	GA	DATE	10/10/07
	APPROVAL	CLB	DATE	10/10/07
	PRO NO.	GA107	SHT.	1

TITLE	CONSULE BREAKER LAYOUT P122 RIGHT SIDE VIEW for AS350B1
DWG NO.	G12132-13-B1-P122
REV.	--

REV	DESCRIPTION	DATE	APROV.
	REVISION		



Effectivity: AS350B2 predating  
mod 350A07-3273

**FWD**

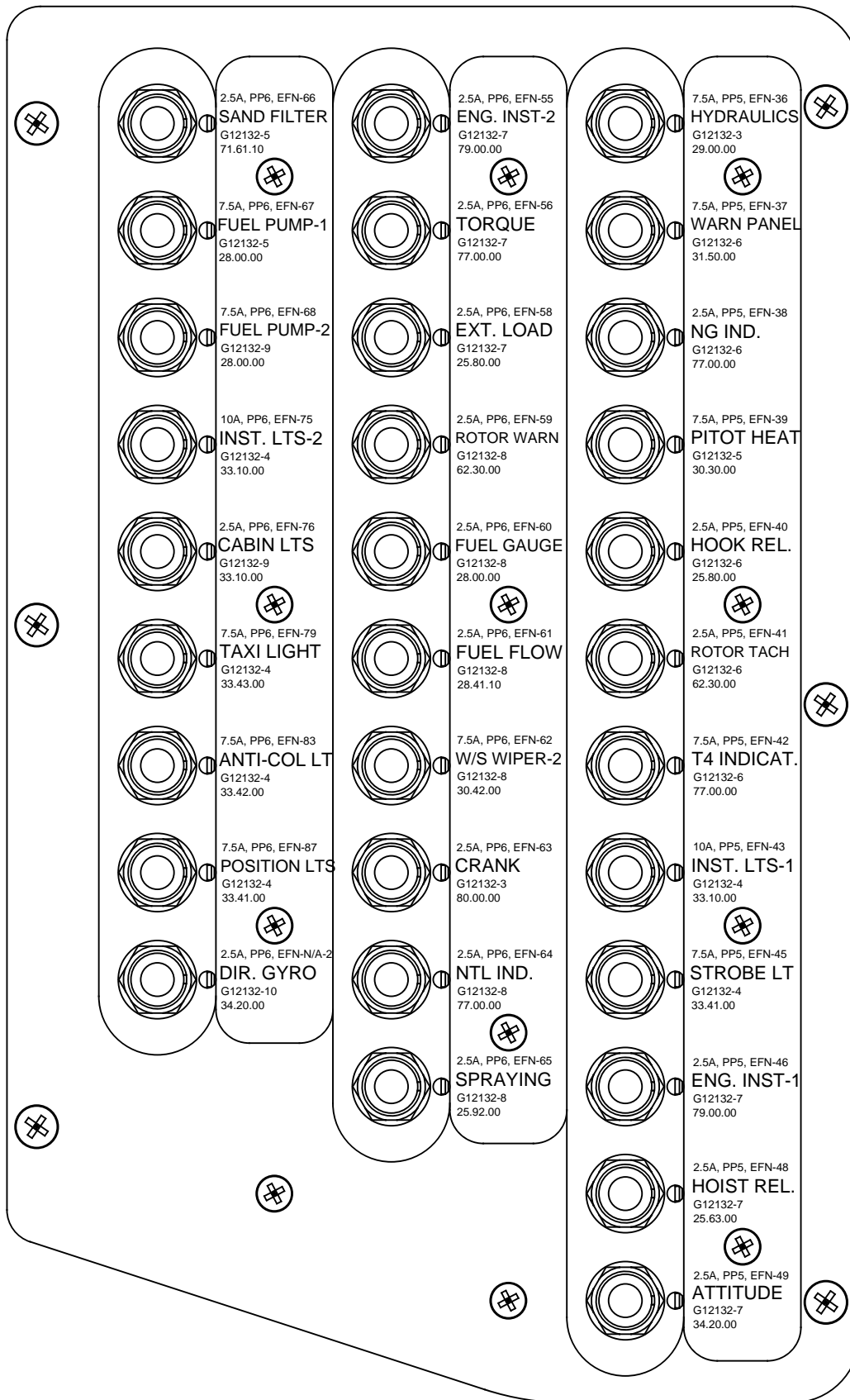
**GENEVA**  
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www.genevaaviation.com

TITLE **CONSOLE BREAKER LAYOUT**  
**P132 RIGHT SIDE VIEW for AS350B2**  
DWG NO. **G12132-13-B2** REV. **B**

B	REFORMATTED; RE-LABELLED EFN-38, EFN-41, EFN-64; REMOVED REFERENCE TO EARLIER MODELS	10/10/07	RBH
REV	DESCRIPTION	DATE	APPROV.
	REVISION		

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DESIGNED	GLH	DATE	04/16/00
DRAWN	GLH	DATE	04/16/00
CHECKED	GLH	DATE	04/16/00
APPROVAL	GLH	DATE	04/16/00
PRO NO.	GA107	SHT.	1



Effectivity: AS350B2 predating  
mod 350A07-3273

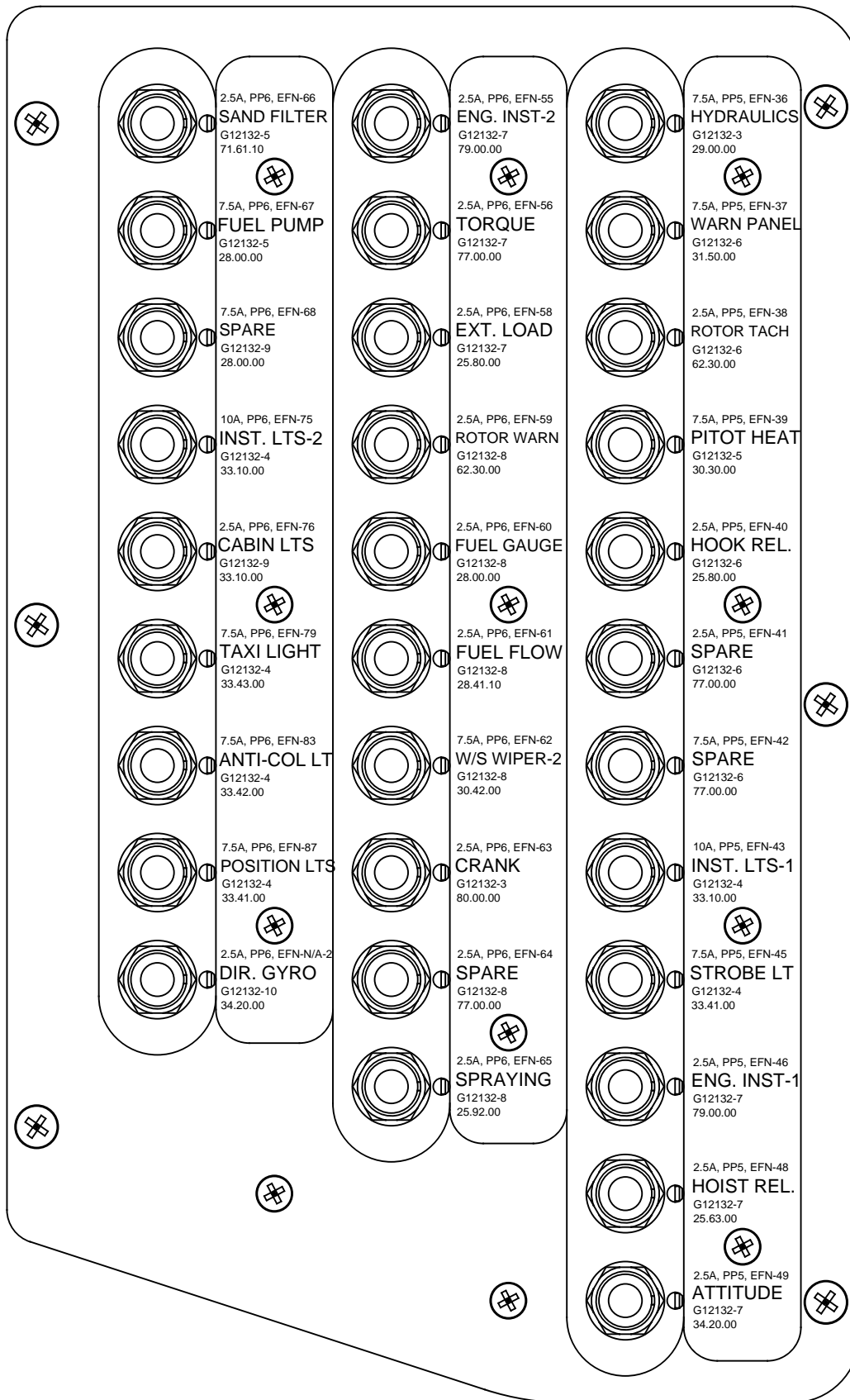
FWD



REV	DESCRIPTION	DATE	APPROV.
A	REFORMATTED; CHANGED LABELS FOR EFN-38, EFN-64, EFN-67, EFN-87	10/10/07	RBH
	REVISION		

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DESIGNED	CLB	DATE	01/13/03
DRAWN	CLB	DATE	01/13/03
CHECKED	CLB	DATE	01/13/03
APPROVAL	CLB	DATE	01/13/03
PRO NO.	GA107	SHT.	1

TITLE		CONSULE BREAKER LAYOUT	
		P122 RIGHT SIDE VIEW for AS350B2	
DWG NO.	G12132-13-B2-P122	REV.	A



FWD →

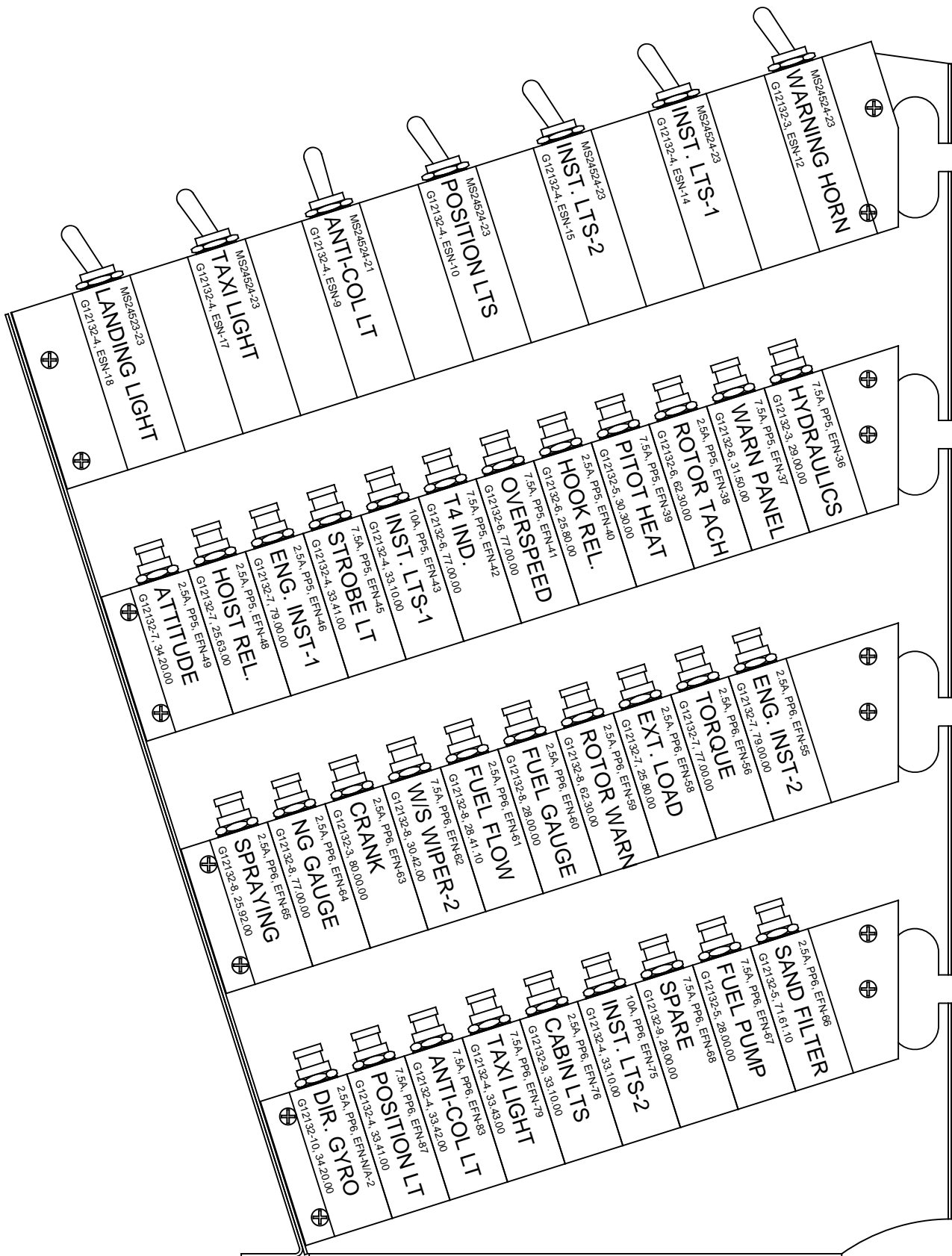
Effectivity: AS350B, BA



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	DRAWN	RBH	DATE	10/10/07
	CHECKED	GA	DATE	10/10/07
	APPROVAL	CLB	DATE	10/10/07
	PRO NO.	GA107	SHT.	1

TITLE	CONSOLE BREAKER LAYOUT	
	P122 RIGHT SIDE VIEW for AS350B	
DWG NO.	G12132-13-B-P122	REV. --

REV	DESCRIPTION	DATE	APROV.
	REVISION		



FWD →

Effectivity: AS350D

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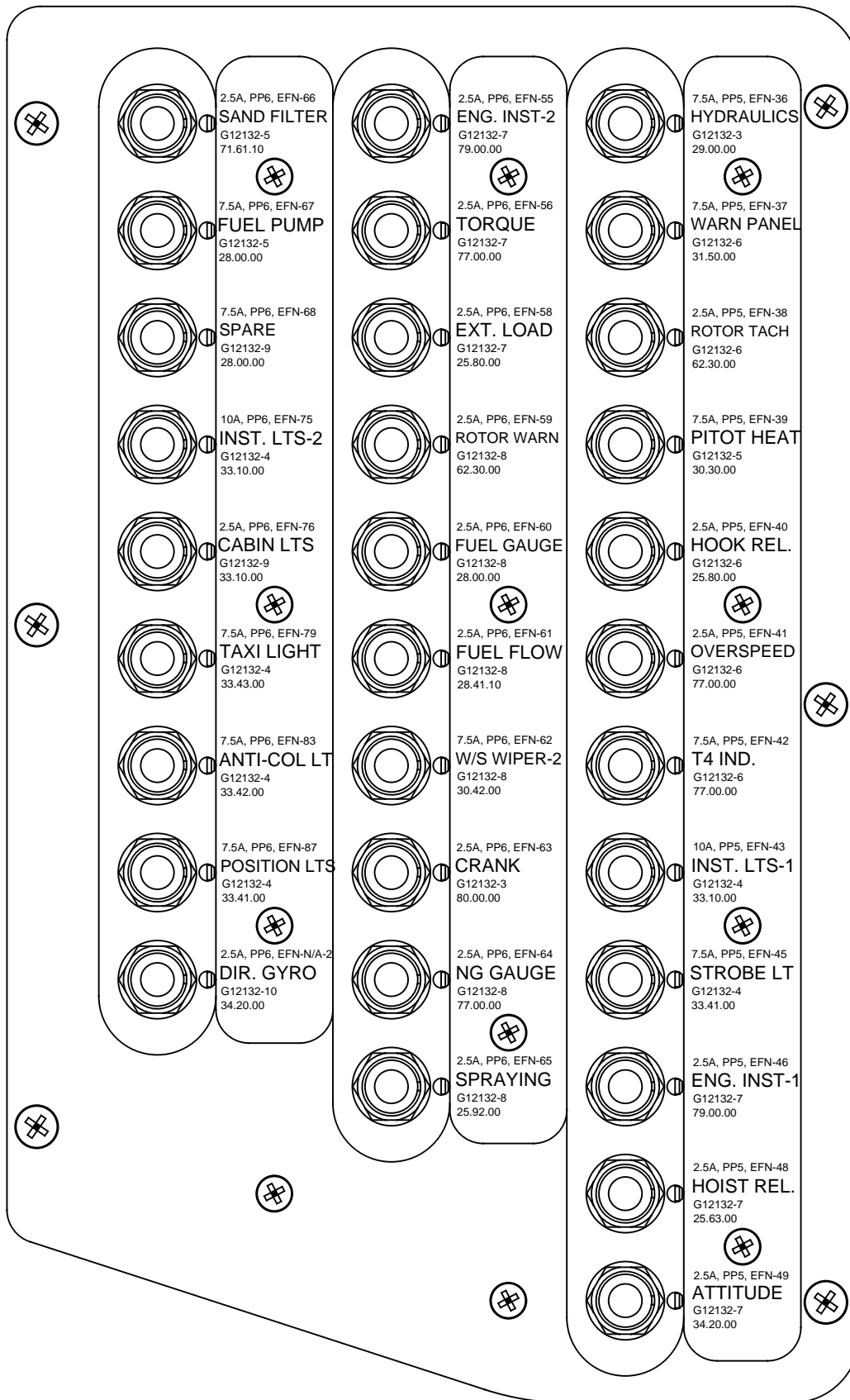
TITLE  
CONSOLE BREAKER LAYOUT  
P132 RIGHT SIDE VIEW for AS350D  
DWG NO. G12132-13-D

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CHECKED	GA	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

REV	DESCRIPTION	DATE	APPROV.
	REVISION		

REV. --



FWD →

Effectivity: AS350D

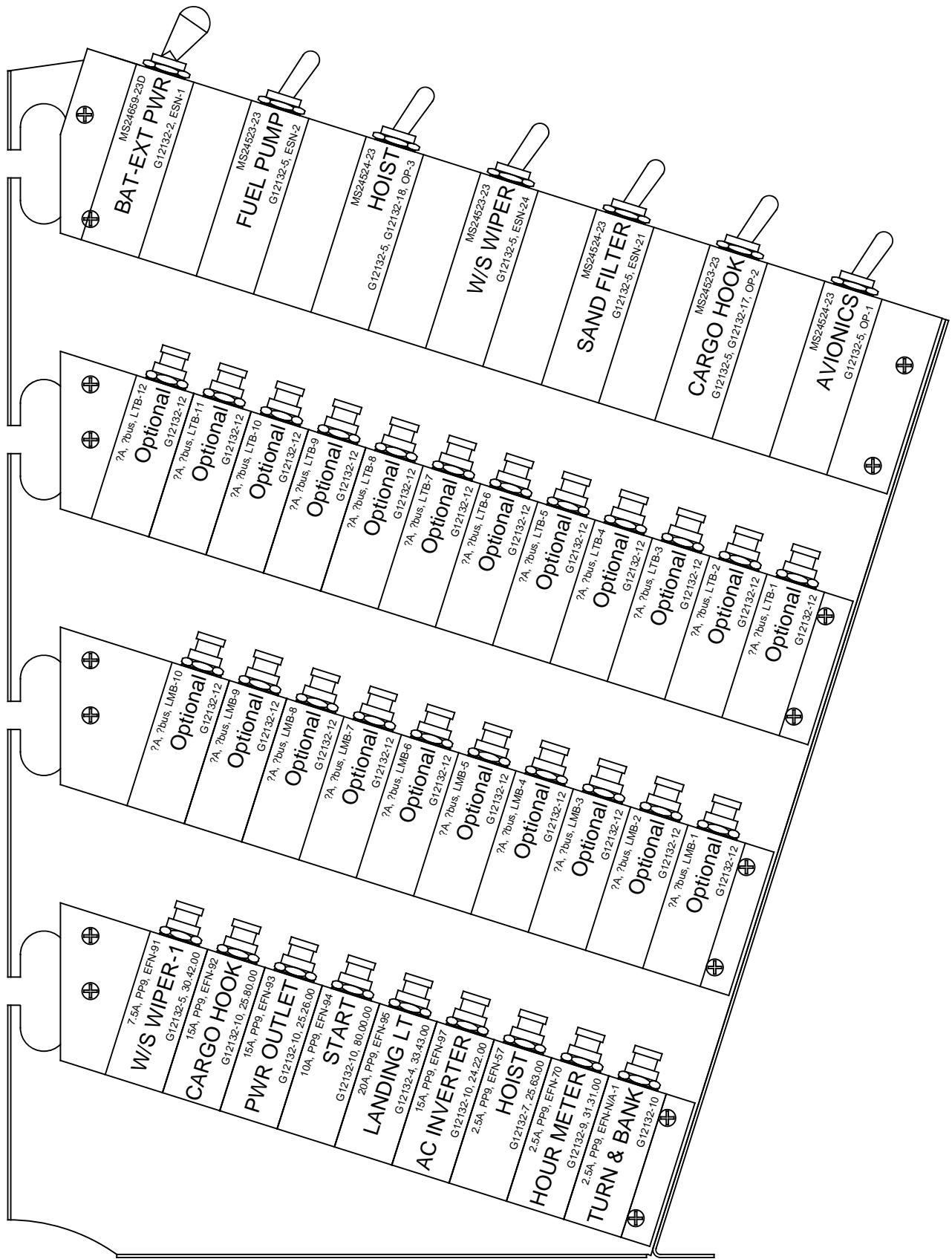


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	DRAWN	RBH	DATE	10/10/07
	CHECKED	GA	DATE	10/10/07
	APPROVAL	CLB	DATE	10/10/07
	PRO NO.	GA107	SHT.	1

TITLE	CONSOLE BREAKER LAYOUT	
	P122 RIGHT SIDE VIEW for AS350D	
DWG NO.	G12132-13-D-P122	REV. --

REV	DESCRIPTION	DATE	APPROV.
	REVISION		



← FWD

Effectivity: AS350D, D1, B, BA

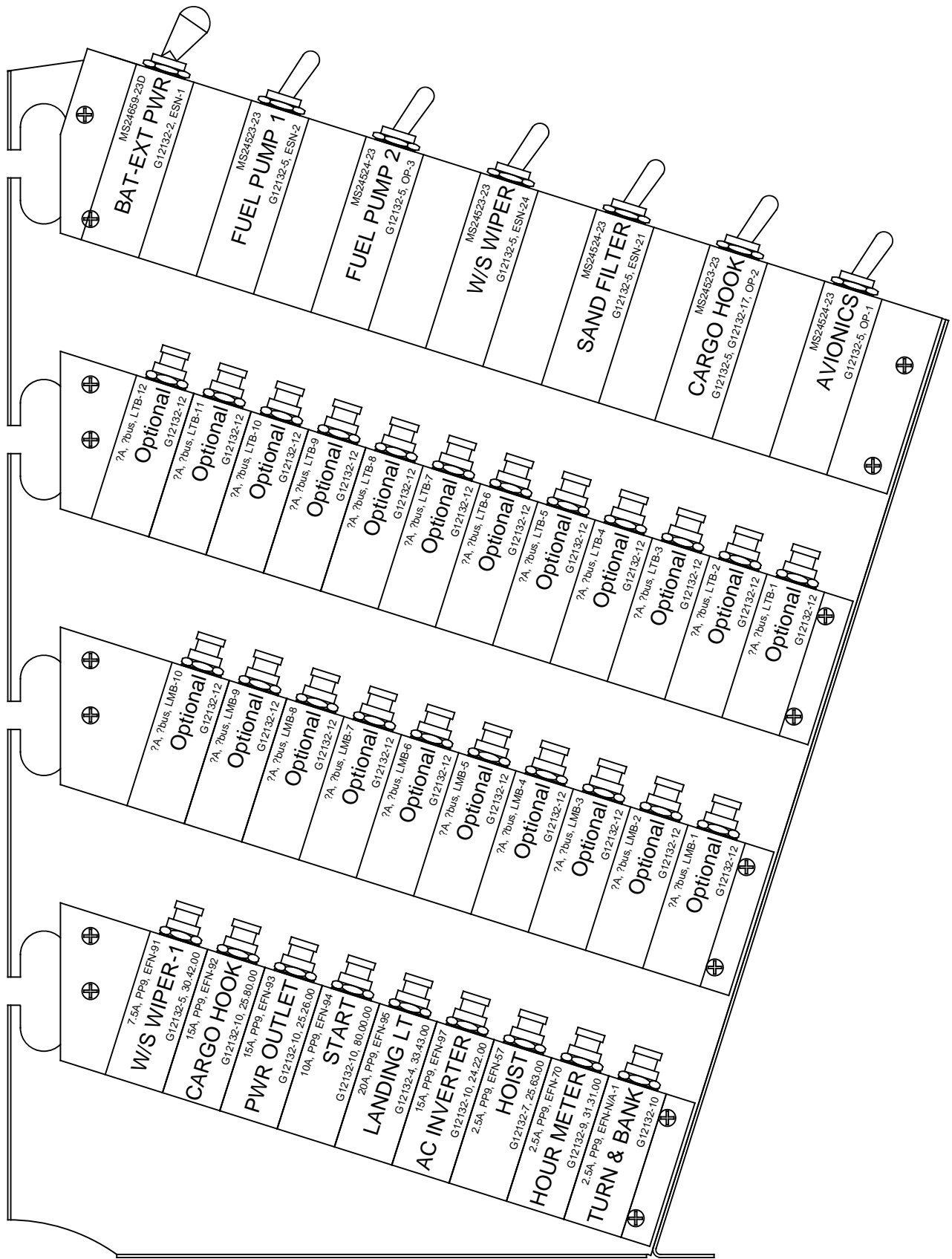
REV	DESCRIPTION	DATE	APPROV.
	REVISION		

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				DRAWN	RBH	DATE	10/10/07
				CHECKED	GA	DATE	10/10/07
				APPROVAL	CLB	DATE	10/10/07
				PRO NO.	GA107	SHT.	1



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TITLE	CONSOLE BREAKER LAYOUT P132 LEFT SIDE VIEW for AS350B		
DWG NO.	G12132-14-B		
REV.	--		



← FWD

Effectivity: AS350B2, B1

B	REFORMATTED; ADDED LOCK TO ESN-1; REMOVED REFERENCES TO VERSIONS PRIOR TO B1	10/10/07	RBH
REV	DESCRIPTION	DATE	APPROV.
	REVISION		

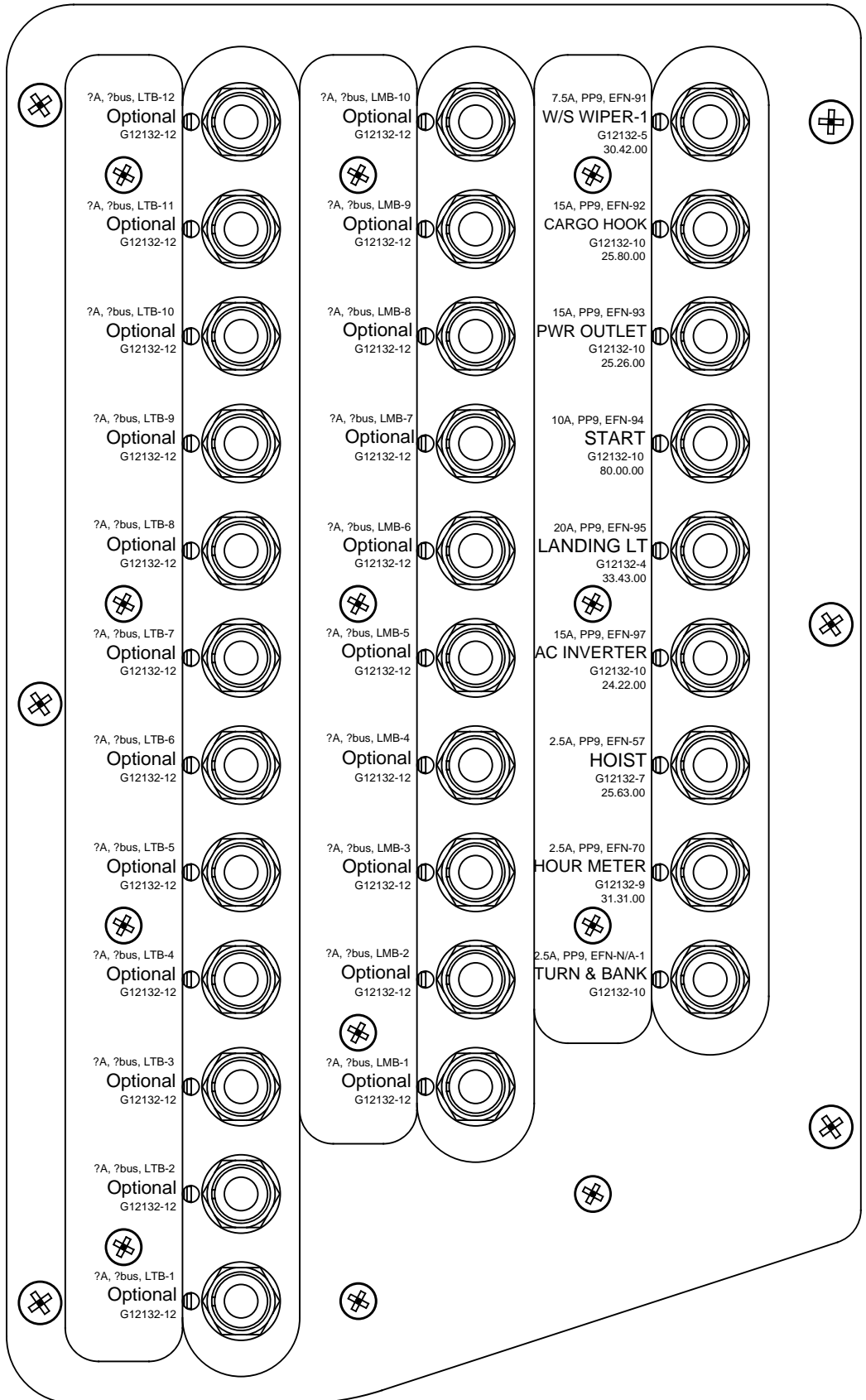
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DESIGNED	GLH	DATE	04/22/00
DRAWN	GLH	DATE	04/22/00
CHECKED	GLH	DATE	04/22/00
APPROVAL	GLH	DATE	04/22/00
PRO NO.	GA107	SHT.	1

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TITLE: **CONSOLE BREAKER LAYOUT**  
**P132 LEFT SIDE VIEW for AS350B2**

DWG NO. **G12132-14-B2** REV. **B**



← FWD

Effectivity: AS350D, D1, B, BA, B1, B2  
Predating Mod 350A07-3273



A	REFORMATTED	10/10/07	RBH
REV	DESCRIPTION	DATE	APPROV.
	REVISION		

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	DRAWN	CLB	DATE	01/10/03
	CHECKED	CLB	DATE	01/10/03
	APPROVAL	CLB	DATE	01/10/03
	PRO NO.	GA107	SHT.	1

TITLE	<b>GENEVA AVIATION</b> www.genevaaviation.com	
<b>CONSOLE BREAKER LAYOUT</b> <b>P122 LEFT SIDE VIEW for AS350B2</b>		
DWG NO.	G12132-14-B2-P122	REV. A

MS24659-23D  
**GENERATOR ON**  
G12132-3, ESN-3

MS24658-23D  
**HYD TEST**  
G12132-3, ESN-11

MS27407-3  
**WARN / FIRE TEST**  
G12132-3, ESN-7

MS24523-26  
**CRANK ENGINE**  
G12132-3, ESN-5

MS24659-23D  
**MASTER CUTOFF**  
G12132-2, ESN-6

MS24523-23  
**PITOT HEAT**  
G12132-5, ESN-13

GENERATOR ON / RESET  
HYD TEST  
WARN/FIRE TEST  
CRANK ENGINE  
MASTER CUTOFF  
PITOT HEAT

MS24659-23D  
**BAT-EXT PWR**  
G12132-2, ESN-1



MS24523-23  
**FUEL PUMP**  
G12132-5, ESN-2



MS24523-23  
**HOIST**  
G12132-18, OP-3



MS24523-23  
**W/S WIPER**  
G12132-5, ESN-24



MS24524-23  
**SAND FILTER**  
G12132-5, ESN-21



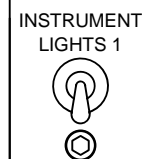
MS24523-23  
**CARGO HOOK**  
G12132-5, OP-2



MS24524-23  
**AVIONICS MASTER**  
G12132-5, OP-1



MS24524-23  
**WARNING HORN**  
G12132-3, ESN-12



MS24524-23  
**INST. LTS-1**  
G12132-4, ESN-14



MS24524-23  
**INST. LTS-2**  
G12132-4, ESN-15



MS24524-23  
**POSITION LTS**  
G12132-4, ESN-10



MS24524-21  
**ANTI-COL LT**  
G12132-4, ESN-9



MS24524-23  
**TAXI LIGHT**  
G12132-4, ESN-17



MS24523-23  
**LANDING LIGHT**  
G12132-4, ESN-18

Effectivity: AS350B, BA, D, D1



REV	DESCRIPTION	DATE	APROV.
A	CHANGED ESN-7 SWITCH TYPE	03/23/09	RBH

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	DRAWN	RBH	DATE	10/10/07
	CHECKED	GA	DATE	10/10/07
	APPROVAL	CLB	DATE	10/10/07
	PRO NO.	GA107	SHT.	1

TITLE	CONSOLE SWITCH LAYOUT P132 TOP VIEW for AS350B
DWG NO.	G12132-15-B
REV.	A

MS24524-31  
**GENERATOR ON**  
 G12132-3, ESN-3

MS24659-23D  
**HYD TEST**  
 G12132-3, ESN-11

MS27407-3  
**WARN / FIRE TEST**  
 G12132-3, ESN-7

MS24523-26  
**CRANK ENGINE**  
 G12132-3, ESN-5

MS24659-23D  
**MASTER CUTOFF**  
 G12132-2, ESN-6

MS24523-23  
**PITOT HEAT**  
 G12132-5, ESN-13

GENERATOR ON / RESET  
 HYD TEST  
 WARN/FIRE TEST  
 CRANK ENGINE  
 MASTER CUTOFF  
 PITOT HEAT

BAT-EXT POWER



MS24659-23D  
**BAT-EXT PWR**  
 G12132-2, ESN-1

FUEL PUMP 1



MS24523-23  
**FUEL PUMP 1**  
 G12132-5, ESN-2

FUEL PUMP 2



MS24523-23  
**FUEL PUMP 2**  
 G12132-5, OP-3

WINDSHIELD WIPER



MS24523-23  
**W/S WIPER**  
 G12132-5, ESN-24

SAND FILTER



MS24524-23  
**SAND FILTER**  
 G12132-5, ESN-21

CARGO HOOK



MS24523-23  
**CARGO HOOK**  
 G12132-5, OP-2

AVIONICS MASTER



MS24524-23  
**AVIONICS**  
 G12132-5, OP-1

WARNING HORN



MS24524-23  
**WARNING HORN**  
 G12132-3, ESN-12

INSTRUMENT LIGHTS 1



MS24524-23  
**INST. LTS-1**  
 G12132-4, ESN-14

INSTRUMENT LIGHTS 2



MS24524-23  
**INST. LTS-2**  
 G12132-4, ESN-15

POSITION LIGHTS



MS24524-23  
**POSITION LTS**  
 G12132-4, ESN-10

ANTI-COL ALL / TAIL



MS24524-21  
**ANTI-COL LT**  
 G12132-4, ESN-9

TAXI LIGHT



MS24524-23  
**TAXI LIGHT**  
 G12132-4, ESN-17

LANDING LIGHT



MS24523-23  
**LANDING LIGHT**  
 G12132-4, ESN-18

Effectivity: AS350B2, B1

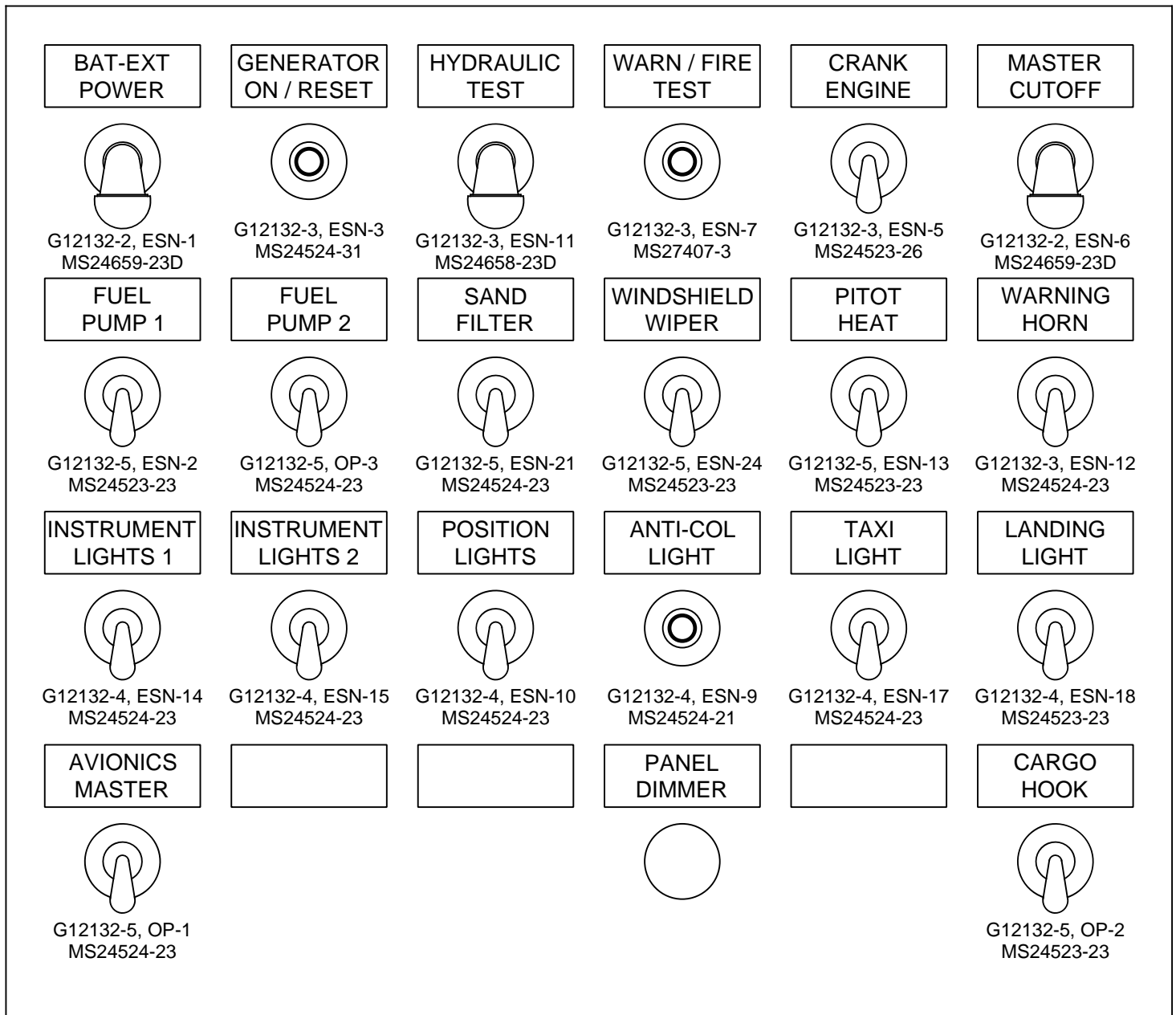


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REV	DESCRIPTION	DATE	APPROV.	PRO NO.	SHT.	DWG NO.	REV.
C	CHANGED ESN-7 SWITCH TYPE	03/23/09	RBH	DESIGNED	GLH	DATE	04/16/00
B	REFORMATTED; ADDED LOCK TO ESN-1; REMOVED REFERENCES TO VERSIONS PRIOR TO B1	10/10/07	RBH	DRAWN	GLH	DATE	04/16/00
				CHECKED	GLH	DATE	04/16/00
				APPROVAL	GLH	DATE	04/16/00
				PRO NO.	GA107	SHT.	1
						<b>GENEVA AVIATION</b> www.genevaaviation.com <b>TITLE</b> CONSOLE SWITCH LAYOUT P132 TOP VIEW for AS350B2 G12132-15-B2	
						DWG NO. G12132-15-B2 REV. C	

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# P122 CONSOLE LAYOUT

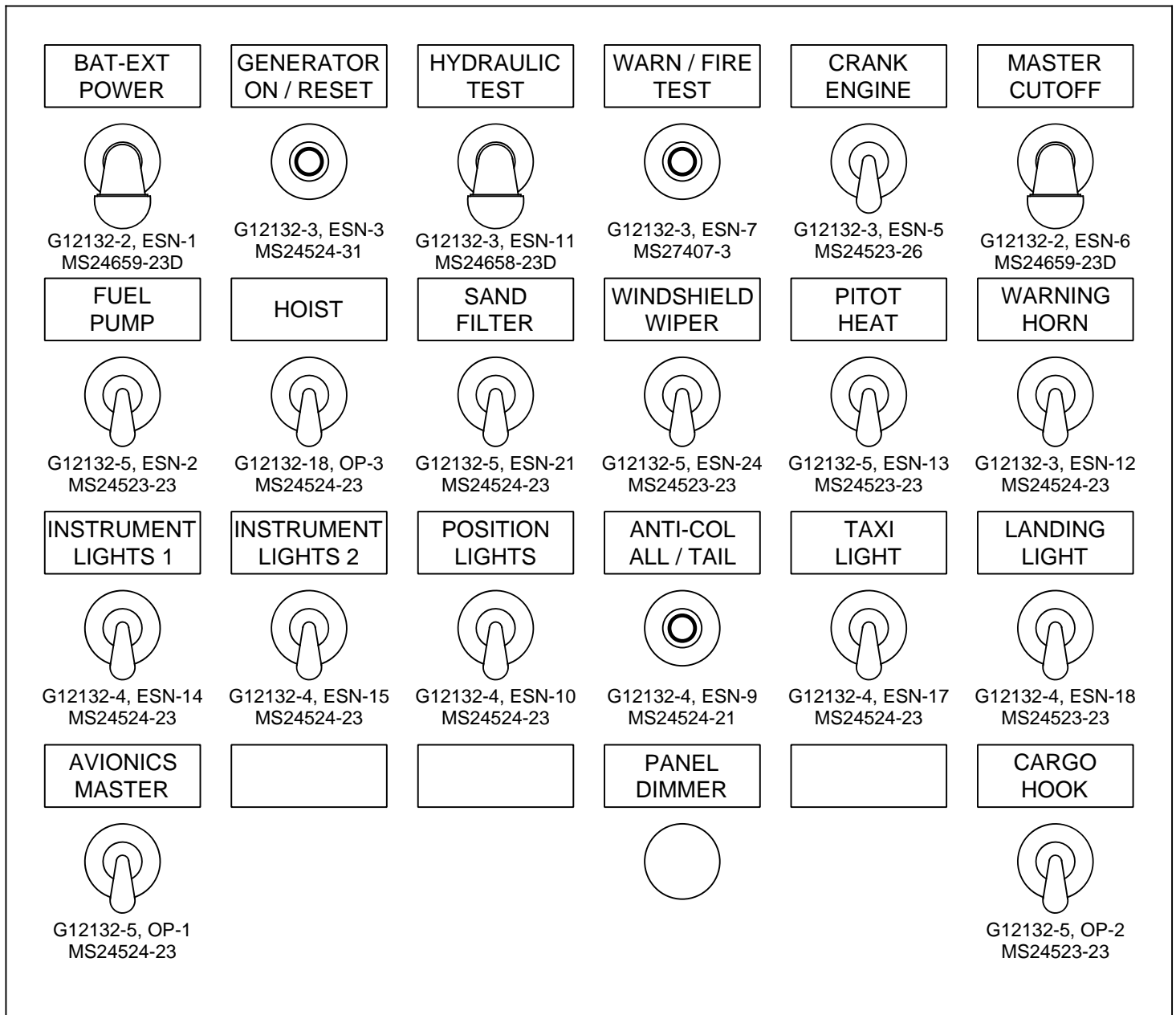


Effectivity: AS350B2, B1




				THIS DOCUMENT INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.		DESIGNED GLH	DATE 01/10/03	<b>GENEVA AVIATION</b> www.genevaaviation.com TITLE CONSOLE SWITCH LAYOUT P122 TOP VIEW for AS350B2 DWG NO. G12132-15-B2-P122 REV. B	
B	CHANGED ESN-7 SWITCH TYPE	03/23/09	RBH	DRAWN GLH	DATE 01/10/03				
A	REFORMATTED; ADDED LOCK TO ESN-1; REMOVED REFERENCES TO VERSIONS PRIOR TO B1	10/10/07	RBH	CHECKED GLH	DATE 01/10/03				
REV	DESCRIPTION	DATE	APROV.	APPROVAL GLH	DATE 01/10/03				
REVISION				PRO NO. GA107	SHT. 1				

# P122 CONSOLE LAYOUT



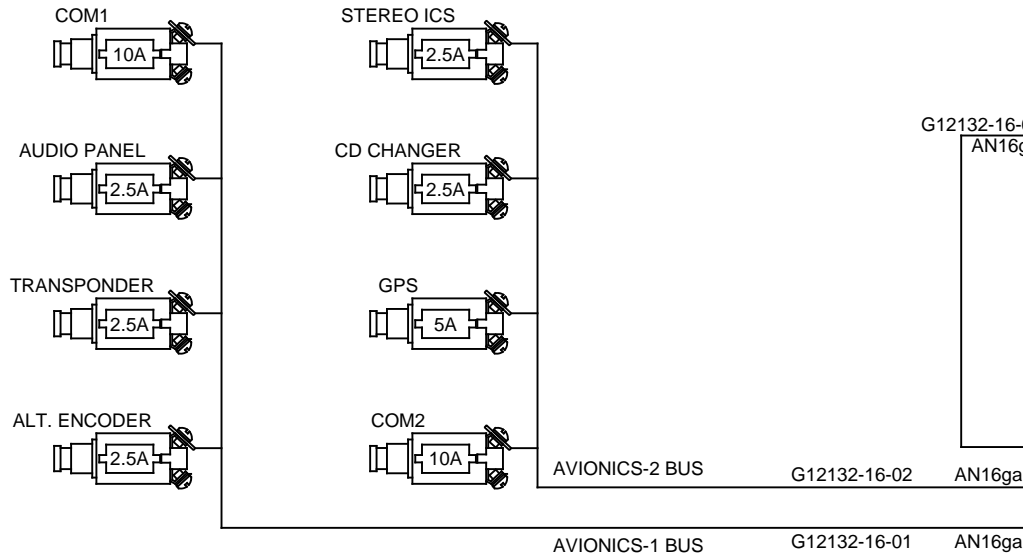
Effectivity: AS350B, BA, D, D1

				<p>THIS DOCUMENT INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.</p>	DESIGNED	RBH	DATE	10/10/07	 <a href="http://www.genevaaviation.com">www.genevaaviation.com</a>		
					DRAWN	RBH	DATE	10/10/07			
					CHECKED	GA	DATE	10/10/07			
					APPROVAL	CLB	DATE	10/10/07			
A	CHANGED ESN-7 SWITCH TYPE	03/23/09	RBH	PRO NO.	GA107	SHT.	1	TITLE	CONSOLE SWITCH LAYOUT		
REV	DESCRIPTION	DATE	APROV.					P122 TOP VIEW for AS350B, BA, D, D1			
REVISION								DWC NO.	G12132-15-B-P122	REV.	A

# SAMPLE OPTIONAL CIRCUITS

More samples on G12132-17

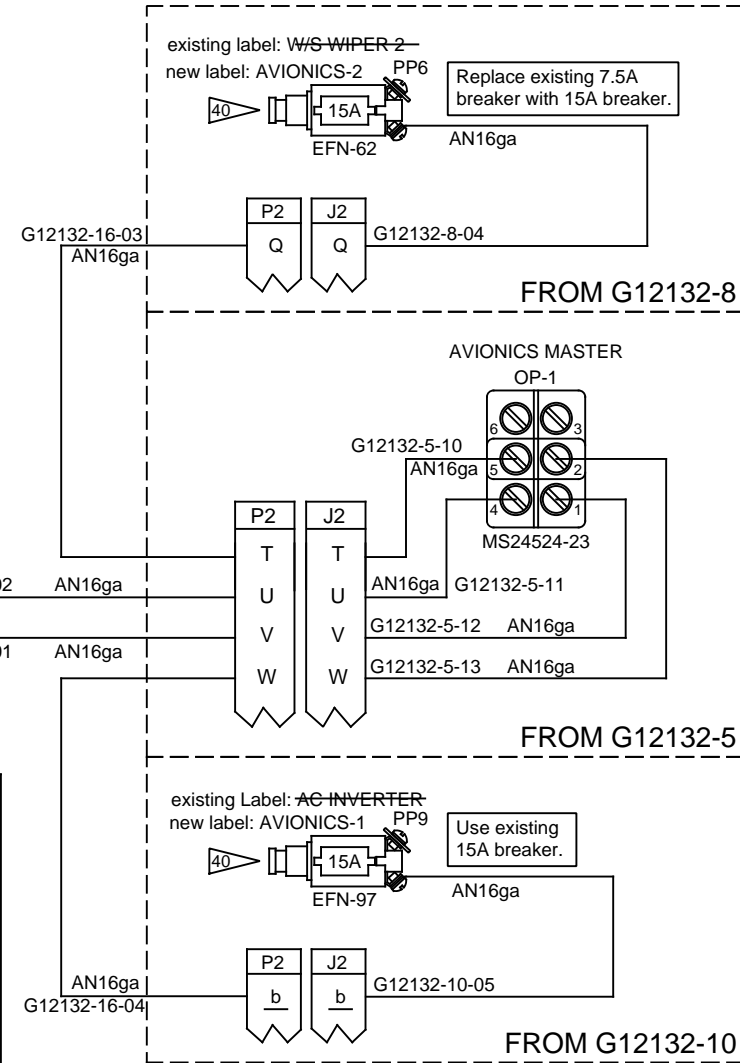
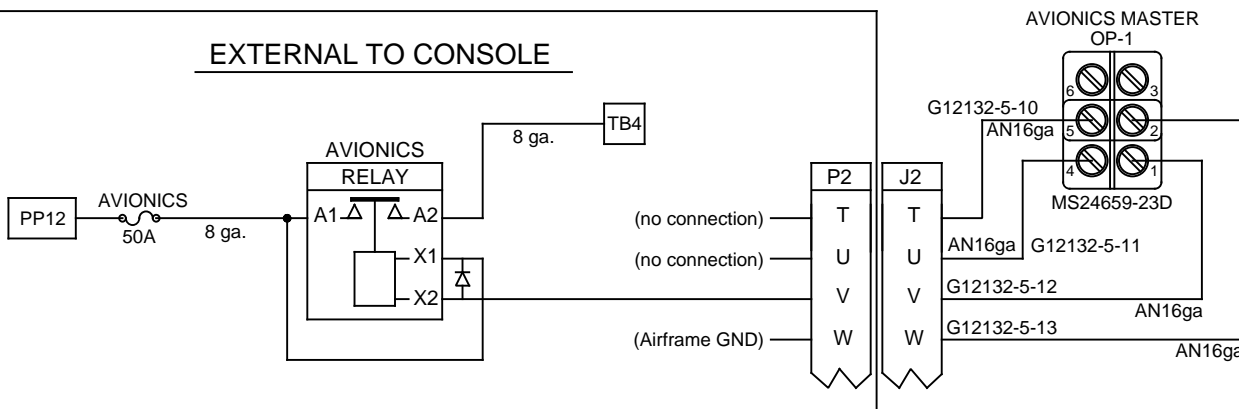
Avionics breakers may be mounted in the Optional rails, or in an installer-defined location outside the console.



Sample AVIONICS circuit

## Sample AVIONICS MASTER circuit

### EXTERNAL TO CONSOLE



Alternatively, separate AVIONICS-1 and AVIONICS-2 bus breakers may be mounted in the optional rails, or in an installer-defined location outside the console, and powered separately.

REV	DESCRIPTION	DATE	APROV.
C	UPDATED FORMAT, COMPANY INFO REPLACED P102 WITH P122 DATA ADDED NOTES, WIRE NUMBERS	10/10/07	RBH
B	ADDED INFORMATION	08/16/00	GLH
A	RELABELLED CONNECTORS	04/22/00	GLH
REVISION			



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DRAWN	GLH	DATE	03/30/00
APPROVAL	GLH	DATE	03/30/00
PRO NO.	GA107	SHT.	1

SEE NOTES ON G12132-1	
TITLE	AVIONICS SAMPLE CIRCUIT P132 and P122 CONSOLE WIRING
DWG NO.	G12132-16
REV.	C

# SAMPLE OPTIONAL CIRCUITS

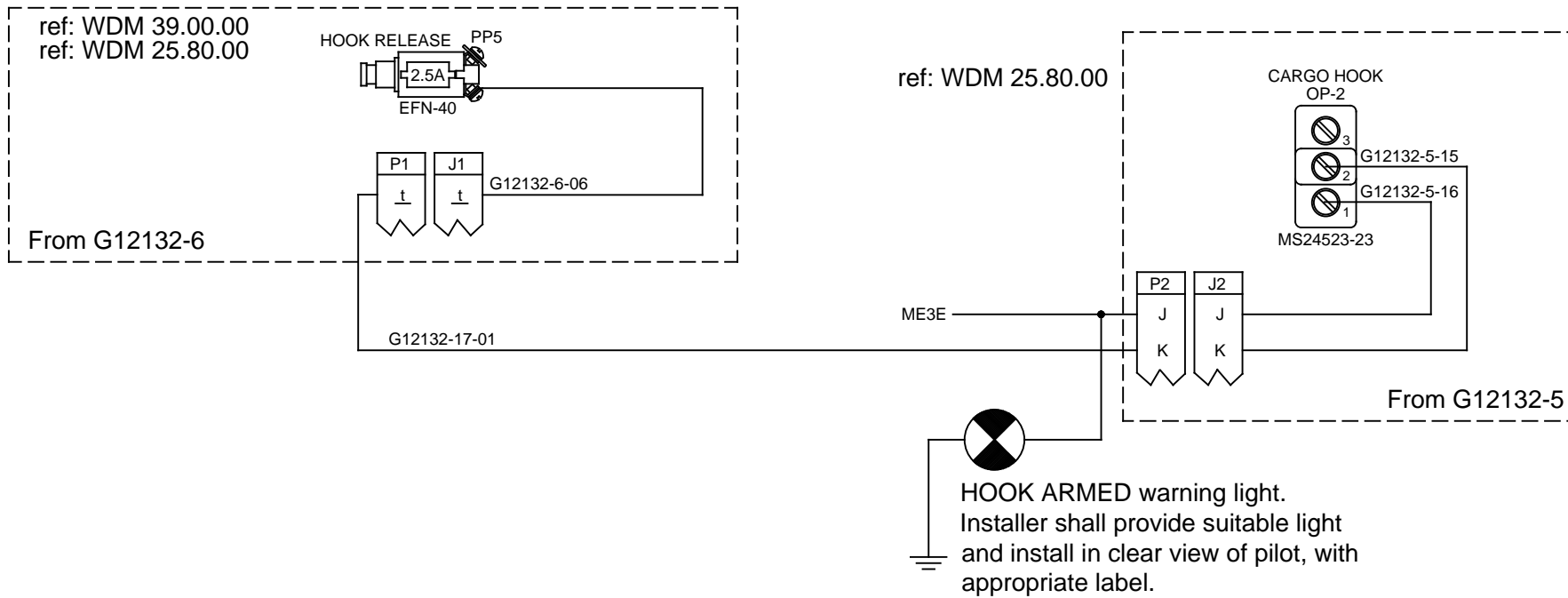
More samples on G12132-18

## SWITCH CURRENT RATINGS:

MS24523-23: Resistive: 20A, Inductive: 15A, Lamp: 5A

MS24524-23: Resistive: 20A, Inductive: 15A, Lamp: 7A

### Sample CARGO HOOK circuit



REV	DESCRIPTION	DATE	APROV.
C	UPDATED FORMAT, COMPANY INFO REPLACED P102 WITH P122 DATA ADDED AIRCRAFT VERSION NOTE	10/10/07	RBH
B	ADDED ARMED LIGHT	08/16/00	GLH
A	RELABELLED CONNECTORS	04/22/00	GLH
REV	DESCRIPTION	DATE	APROV.
REVISION			

Effectivity: AS350D, D1, B, BA, B1, and B2 predating mod 350A07-3273

SEE NOTES ON G12132-1



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DRAWN	GLH	DATE	03/30/00
APPROVAL	GLH	DATE	03/30/00
PRO NO.	GA107	SHT.	1

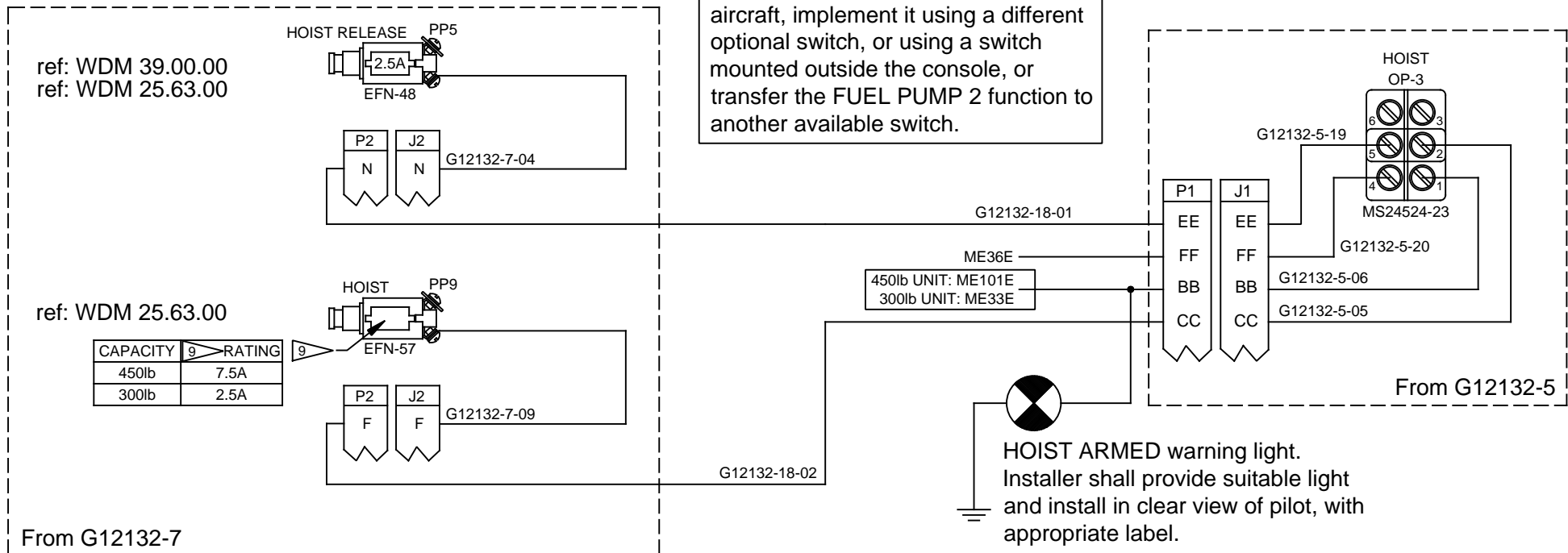
TITLE	CARGO HOOK SAMPLE CIRCUIT P132 and P122 CONSOLE WIRING
DWG NO.	G12132-17
REV.	C

# SAMPLE OPTIONAL CIRCUITS

More samples on G12132-16

**SWITCH CURRENT RATINGS:**  
 MS24523-23: Resistive: 20A, Inductive: 15A, Lamp: 5A  
 MS24524-23: Resistive: 20A, Inductive: 15A, Lamp: 7A

**NOTE:** On aircraft with two fuel pumps, OP-3 is normally assigned to the FUEL PUMP 2 function. If a HOIST circuit is needed on such an aircraft, implement it using a different optional switch, or using a switch mounted outside the console, or transfer the FUEL PUMP 2 function to another available switch.



## SAMPLE HOIST CIRCUIT

C	UPDATED FORMAT, COMPANY INFO REPLACED P102 WITH P122 DATA ADDED AIRCRAFT VERSION NOTES	10/10/07	RBH
B	ADDED ARMED LIGHT	08/16/00	GLH
A	RELABELLED CONNECTORS	04/22/00	GLH
REV	DESCRIPTION	DATE	APROV.
REVISION			

Effectivity: AS350D, D1, B, BA, B1, and B2 predating mod 350A07-3273

SEE NOTES ON G12132-1



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DRAWN	GLH	DATE	03/30/00
APPROVAL	GLH	DATE	03/30/00
PRO NO.	GA107	SHT.	1

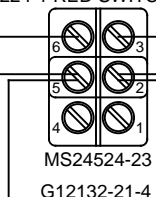
TITLE	HOIST SAMPLE CIRCUIT P132 and P122 CONSOLE WIRING
DWG NO.	G12132-18
REV.	C

### FLOAT INFLATE Switch:

This switch is mounted on a bracket attached to the horizontal portion of the pilot's cyclic tube, such that the toggle points toward the ceiling and the switch key notch faces forward. To inflate the floats, the pilot can pull back on the guard and accuate the toggle in one motion. Optionally, use Switch Housing p/n G12138. Label for switch guard: FLOAT INFLATE

### FLOAT INFLATE SWITCH WITH REQUIRED MS25224-1 RED SWITCH GUARD

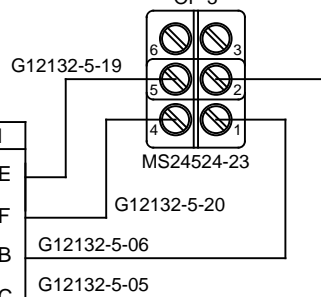
WITH FLOATS ARMED, RAISE GUARD AND MOVE TOGGLE TO INFLATE FLOATS.



### FLOAT ARM OP-3

### FLOAT ARM

Switch location is any Console switch position. The switch position, wire labels, and console connector show here are for illustration purposes only and are optional.



### AERAZUR 350/355 FLOATS, VERSION 1

#### NOTES:

- All wire is AN20ga. unless otherwise noted.
- Wiring for switches and lights may optionally be AN22ga.
- Relay: Contact Rating: 20A @ 28VDC minimum.
- Coil Rating: 28VDC 1A maximum coil current.
- Coil Duty Cycle: Continuous
- Recommended Relay: MS24166-D1 (#6041H200)
- Installer shall mount diodes securely.
- Circuit breakers and relays may be mounted in either tail baggage compartment, instrument panel pedestal area, or console.
- 2.5A breakers may be substituted with 30A breakers.
- 2.5A breakers may be substituted with 3A, 4A or 5A breakers.
- All wires connected to relay terminals A1 and A2 are AN12 gauge.

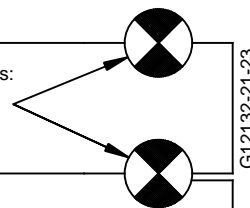
1 AIRFRAME GROUNDS FOR RELAYS, AND FOR FLOAT CYLINDERS, MUST BE MADE INDIVIDUALLY, NOT COMBINED

2 POWER DIODES MUST BE RATED AT 6A AND 50VDC MINIMUM  
Recommended Diode: 6A05-T (6A, 50V)

3 CLAMPING DIODES MUST BE RATED AT 1A AND 50VDC MINIMUM.

### FLOATS ARMED Warning Lights:

Installer shall provide suitable 28V lights, amber in color, and install lights in clear view of pilot, with appropriate label.

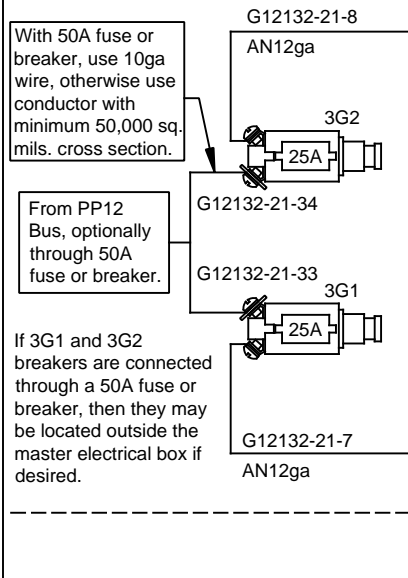


### INSIDE MASTER ELECTRICAL BOX

With 50A fuse or breaker, use 10ga wire, otherwise use conductor with minimum 50,000 sq. mils. cross section.

From PP12 Bus, optionally through 50A fuse or breaker.

If 3G1 and 3G2 breakers are connected through a 50A fuse or breaker, then they may be located outside the master electrical box if desired.



REV	DESCRIPTION	DATE	APROV.
G	REMOVED GREEN LAMP OPTION	02/10/11	RBH
F	NEW DIODE P/N IN FLAG NOTE 2	05/12/10	RBH
E	REFORMATTED; CORRECTED WIRE GAUGES; REARRANGED FOR VISUAL CLARITY	10/10/07	RBH
REV	DESCRIPTION	DATE	APROV.
REVISION			



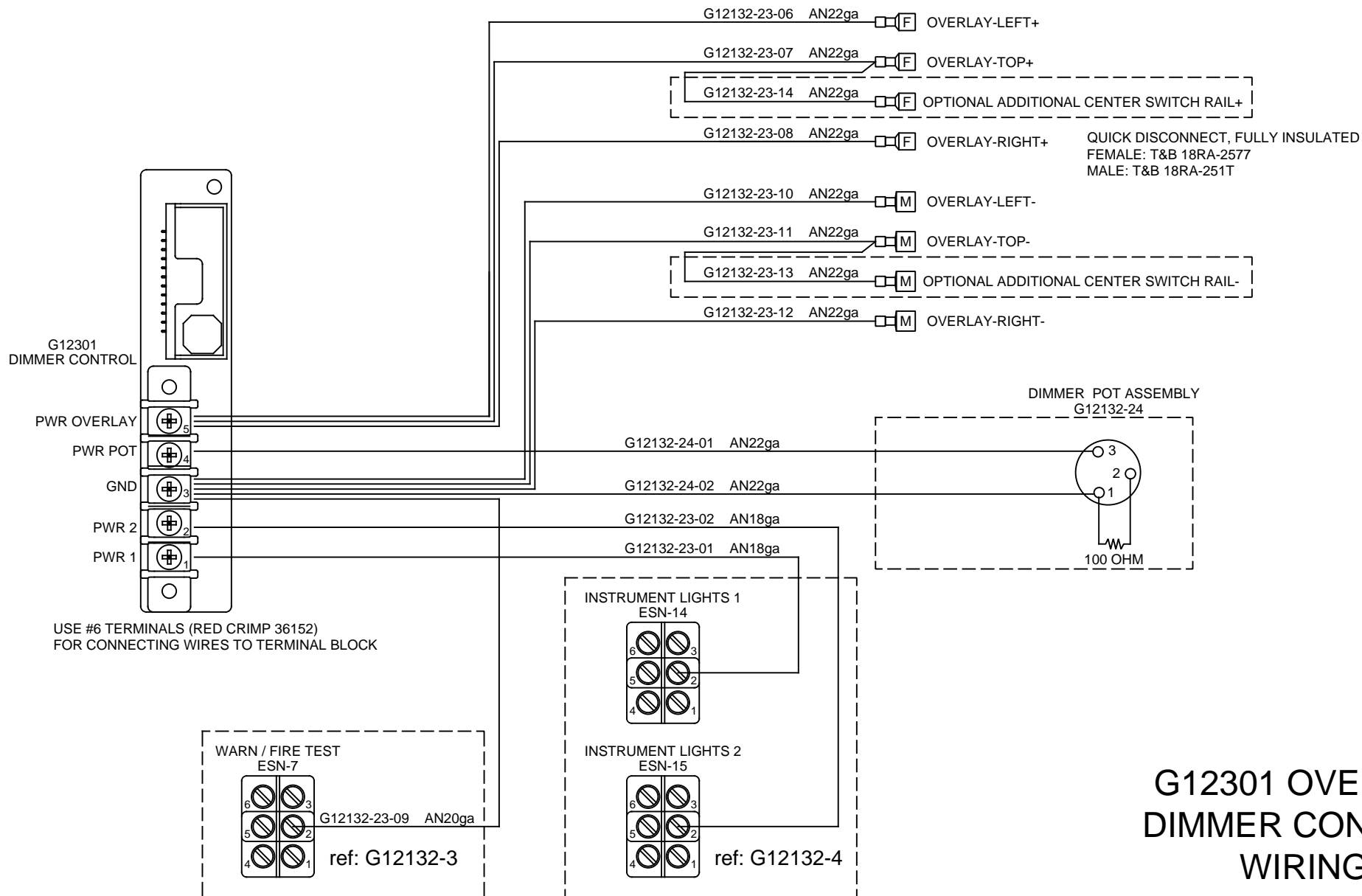
www.genevaaviation.com

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DRAWN	GLH	DATE	10/03/00
APPROVAL	GLH	DATE	10/03/00
PRO NO.	GA107	SHT.	1

TITLE	EMERGENCY FLOATS ELECTRICAL P132 and P122 CONSOLE WIRING
DWG NO.	G12132-21
REV.	G

SEE NOTES ON G12132-1



# G12301 OVERLAY DIMMER CONTROL WIRING

REV	DESCRIPTION	DATE	APROV.
C	Changed Quick Diconnect Part Numbers	12/05/14	CLB
B	ADDED AIRCRAFT VERSION NOTE ADDED ESN-7 AND REFS, UPDATED WIRE #'S, REMOVED "OPTIONAL"	10/10/07	RBH
A	UPDATED FORMAT, COMPANY INFO CORRECTED SWITCH NUMBERING REMOVED BUTT SPLICES	11/16/06	CLB
	REVISION		

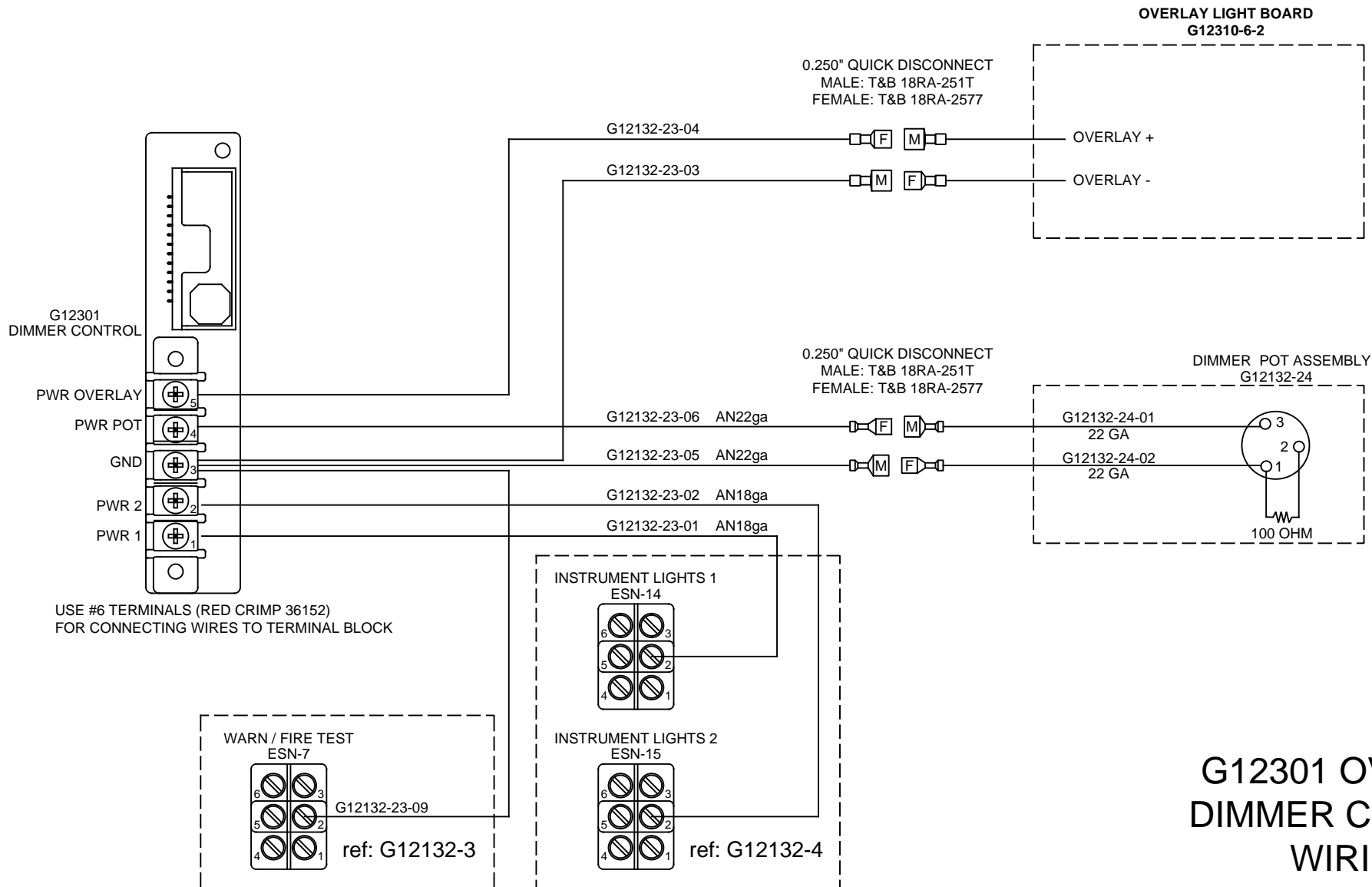
Effectivity: AS350D, D1, B, BA, B1, B2 and B3,  
all versions through Mod 07.3274



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DRAWN	CLB	DATE	05/23/02	TITLE	SWITCH LEGEND LIGHTING P132 CONSOLE WIRING
APPROVAL	GLH	DATE	05/23/02		
PRO NO.	GA107	SHT.	1	DWG NO.	G12132-23
					REV. C

SEE NOTES ON G12132-1



# G12301 OVERLAY DIMMER CONTROL WIRING

Effectivity: AS350D, D1, B, BA, B1, B2 and B3,  
all versions through Mod 07.3274

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
C	Changed Quick Disconnect Part Numbers	12/05/14	CLB
B	REVISED P/N FOR LIGHT BOARD	06/29/10	CLB
A	DELETED "OPTIONAL"	05/06/08	RBH
REVISION			

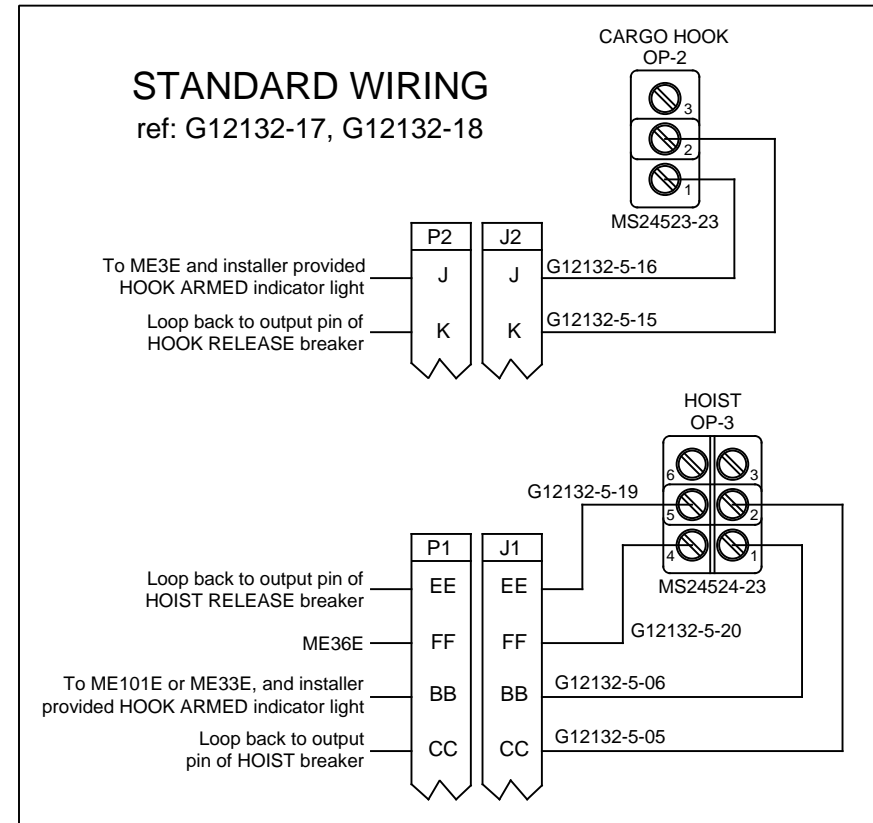
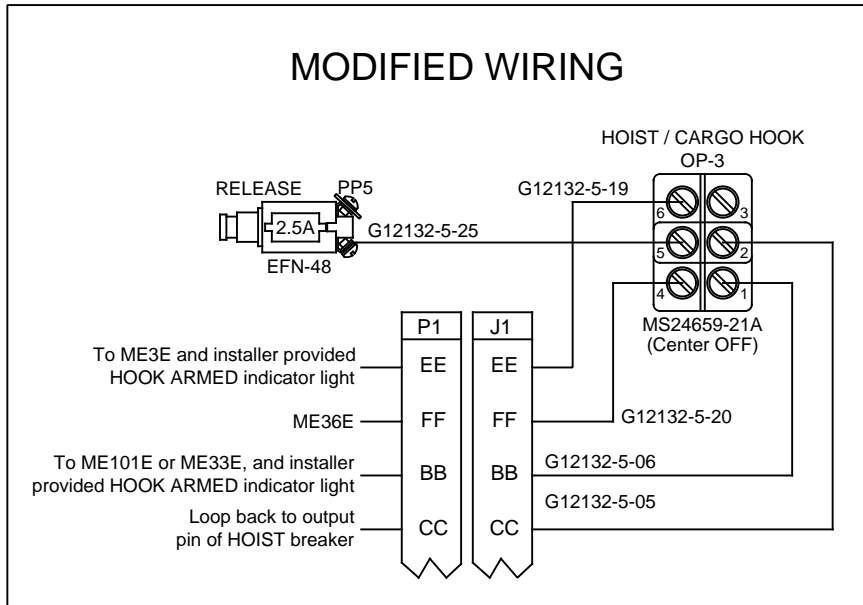


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PRO NO.	SHT.	DWG NO.	REV.
GA107	1	G12132-23-P122	C

DRAWN	DATE	TITLE
RBH	10/10/07	SWITCH LEGEND LIGHTING P122 CONSOLE WIRING
APPROVAL	DATE	
CLB	10/10/07	

ref: AEG DWG 350A63-5016-00  
 ref: AEG DWG 350A63-5017-00  
 ref: AEG DWG 350A63-6158-00  
 ref: AEG DWG 350A63-6159-00  
 ref: WDM 25.63.00  
 ref: WDM 25.80.00



## CONSOLE MODIFICATION FOR COMBINED HOIST / CARGO HOOK SWITCH

Depending on the aircraft version and mod level, there may not be separate switches available for both the HOIST and CARGO HOOK functions, the on an aircraft that both.

This diagram shows how the OP-3 switch circuit may be modified to accommodate a combined HOIST and CARGO HOOK circuit. The modified circuit replaces the standard switch with a center-OFF, locking-toggle switch. The HOIST is active in the forward position, CARGO HOOK in the aft position. The diagram lists the replacement switch type.

One new wire must be routed from the RELEASE breaker to the switch. The standard wire routed from the RELEASE breaker to the connector may be disconnected, capped and stowed at the breaker end. All other changes to the switch wiring can be made at the switch. The wire number shown for the added wire is a suggestion; the installer must make sure that the actual label used does not duplicate a wire number already in use in the console.

On the -073273 B2 version, the OP-3 switch is not included in the standard definition, as the FUEL PUMP 2 switch ESN-8 takes its place. On these aircraft, space must be made for the HOIST / HOOK switch in one of the following ways: (1) it may be mounted in an installer-defined location outside the console; (2) it may be mounted on the console in place of another switch whose standard function is not needed, or which has itself been moved outside the console; (3) the functions may be transferred to an available optional switch; (4) additional switch mounting may be made available. The P122 console contains provisions for mounting up to 4 switches beyond the standard set; the P132 console can be expanded by the use of additional center switch rails.

In the standard definition for older aircraft with dual Fuel Pumps, the FUEL PUMP 2 function is assigned to OP-3. For those aircraft, the FUEL PUMP 2 function may be transferred to OP-2 or another available optional switch to make OP-3 available for the combined HOIST / HOOK circuit, or a different switch may be added and designated ESN-8 for the FUEL PUMP 2 function, per the previous paragraph.

Effectivity: AS350D, D1, B, BA, B1, B2 through mod 350A07-3273, and B3 through mod 350A07-3274

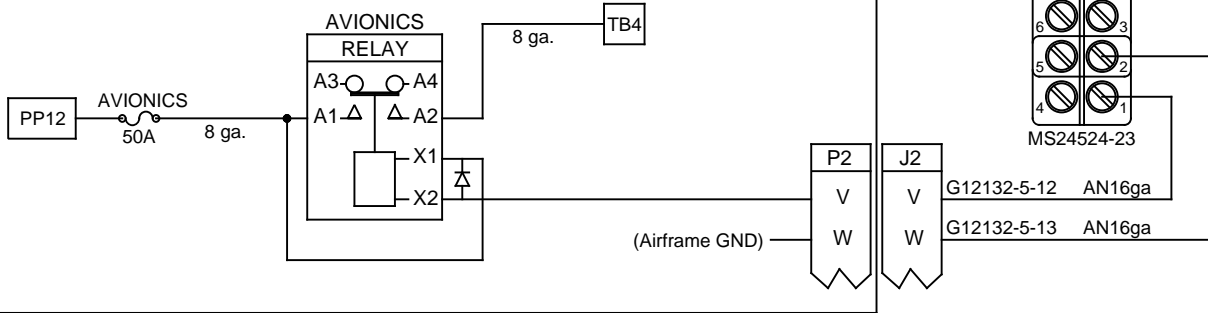
SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		



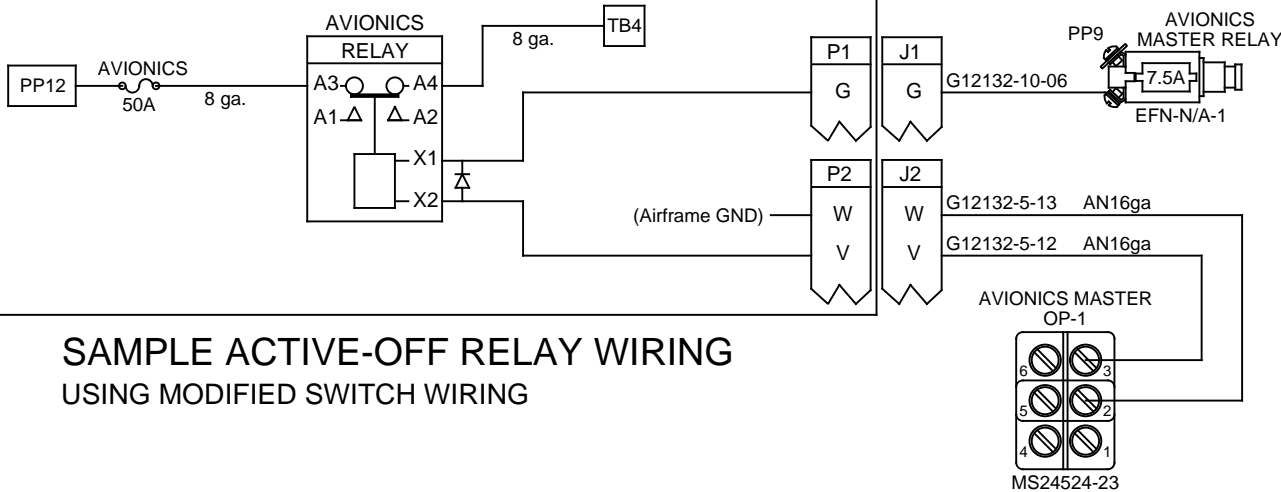
THIS DRAWING INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.		DRAWN RBH	DATE 10/10/07	TITLE COMBINED HOIST / HOOK SWITCH P132 and P122 CONSOLE WIRING
		APPROVAL CLB	DATE 10/10/07	
		PRO NO. GA107	SHT. 1	DWG NO. G12132-26
				REV. --

**EXTERNAL TO CONSOLE**



**SAMPLE ACTIVE-ON RELAY WIRING**  
USING STANDARD SWITCH WIRING (ref: G12132-16)

**EXTERNAL TO CONSOLE**



**SAMPLE ACTIVE-OFF RELAY WIRING**  
USING MODIFIED SWITCH WIRING

**NOTES:**

**CONSOLE MODIFICATION FOR ACTIVE-OFF AVIONICS MASTER CONTROL SWITCH**

This diagram shows how the standard AVIONICS MASTER switch circuit may be modified for use as an Active-OFF Avionics Master Relay controller. In this circuit, the AVIONICS bus on TB4 is active when the relay is de-energized, such as when the bus supplying the Avionics Master Relay breaker is disabled.

The modified circuit uses the standard switch. The circuitry on the second pole of the switch is omitted for visual clarity.

All changes to the switch wiring can be made at the switch, without requiring any console wires to be re-routed.

The circuit breaker shown is for illustration only, and may be any unused breaker on any bus other than the output of the relay, or may be a breaker mounted in an installer-defined location outside the console. At the installer's discretion, the rating shown may be decreased to any available rating that will supply the required relay coil current.

Effectivity: AS350D, D1, B, BA, B1, B2 through mod 350A07-3273, and B3 through mod 350A07-3274

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

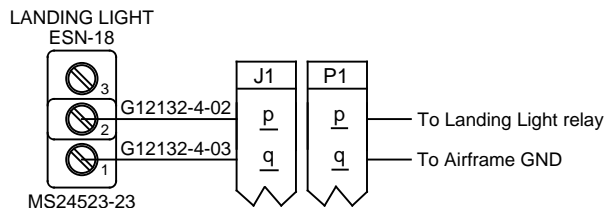


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DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

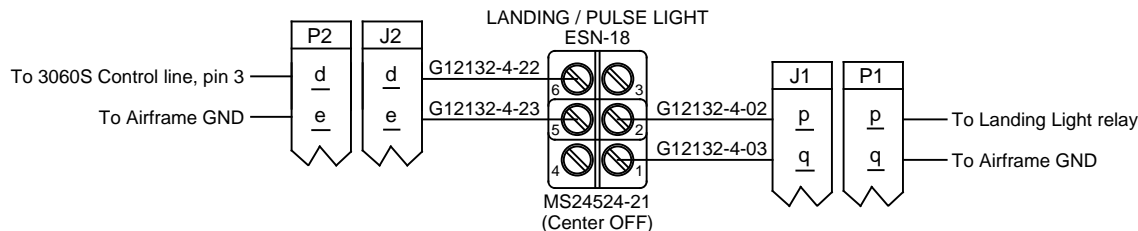
TITLE	ACTIVE-OFF AVIONICS MASTER P132 and P122 CONSOLE WIRING
DWG NO.	G12132-27
REV.	--

ref: AEC DWG 350A73-5881  
 ref: WDM 33.43.00



### STANDARD SWITCH WIRING

ref: G12132-4



### MODIFIED SWITCH WIRING

## CONSOLE MODIFICATION FOR PULSE LIGHT CONTROL

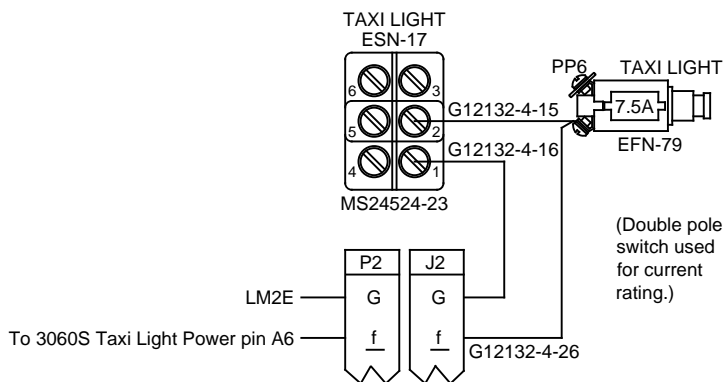
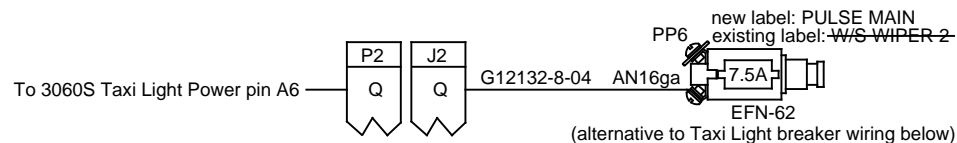
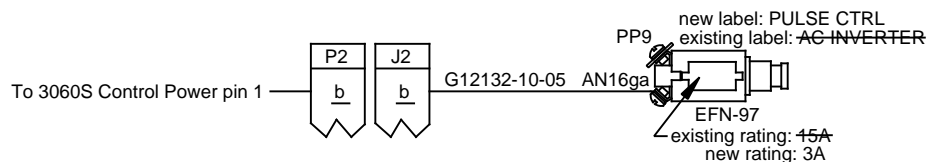
This diagram shows the modifications needed to power a Precise Flight 3060S pulse control module, and adapt the LANDING LIGHT switch to operate as a LANDING LIGHT / PULSE LIGHT switch.

The switch must be replaced with a DPDT center-OFF type switch, and 2 wires added to the console as shown in the Modified Switch Wiring diagram.

One circuit breaker will need to be assigned to provide power for the control circuitry, with the rating changed to 3A. (With the exception of the Taxi Light breaker EFN-79, all breakers shown are examples only.)

Power must be supplied to the module separately for the lamp power supply. A wire may be added to the Taxi Light circuit to provide unswitched power directly from the breaker to the module; or, to avoid further wiring changes, an available breaker on PP6 may be used, provided that the breaker, wires and connector pin are adequate for the application.

(Continued on G12132-28 Sheet 2)



### MODIFIED BREAKER WIRING

Effectivity: AS350D, D1, B, BA, B1, B2 predating mod 350A07-3273, and B3 predating mod 350A07-3274

SEE NOTES ON G12132-1



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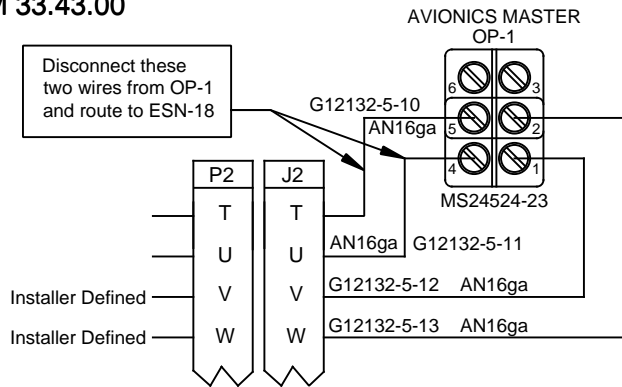
DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1 of 2

TITLE	PULSE LIGHT CONTROL CIRCUITS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-28	REV.	--

REV	DESCRIPTION	DATE	APROV.
	REVISION		

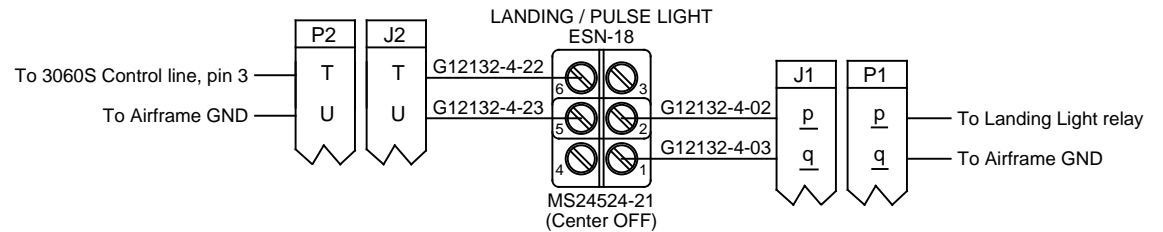
ref: AEC DWG 350A73-5881

ref: WDM 33.43.00



### STANDARD OP-1 SWITCH WIRING

ref: G12132-5



### MODIFIED ESN-18 SWITCH WIRING

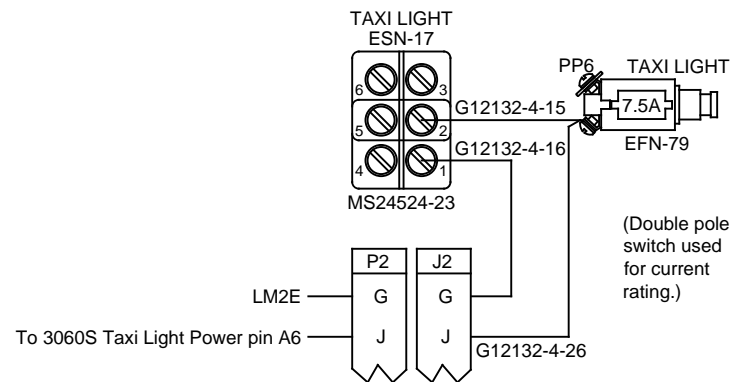
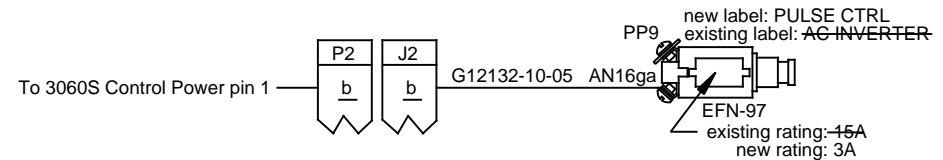
## CONSOLE MODIFICATION FOR PULSE LIGHT CONTROL

(Continued from G12132-28 Sheet 1)

On aircraft embodying mods 350A07-3273 or 350A07-3274, functions have been assigned to certain connector pins that are unused in the console definitions for earlier aircraft, including pins J2:d, J2:e and J2:f shown in the circuits on sheet 1. For those aircraft, the alternate circuits on this sheet apply.

To use these circuits, the installer must disconnect wires G12132-5-10 and G12132-5-11 from OP-1 in the left-hand switch rail and re-route them to ESN-18 in the right-hand switch rail. These wires may be renumbered as shown in the ESN-18 diagram at top right, or may retain their current wire numbers, so long as the wiring diagrams are updated to match.

Alternatively, wires G12132-5-10 and G12132-5-11 may be removed, or disconnected, capped and stowed, and new wires may be installed from the connector to switch ESN-18, as long as they are labeled appropriately and the wiring diagrams are updated to match.



### MODIFIED BREAKER WIRING

Effectivity: AS350B2 embodying mod 350A07-3273,  
or AS350B3 embodying mod 350A07-3274

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	SEE SHEET 1 FOR REV HISTORY		
	REVISION		



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DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	2 of 2

TITLE	PULSE LIGHT CONTROL CIRCUITS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-28	REV.	--

ref: AEC DWG 350A64-7307-00  
 ref: WDM 33.10.00

## CONSOLE MODIFICATION FOR RELOCATED PP15 (DIRECT BATTERY) BUS

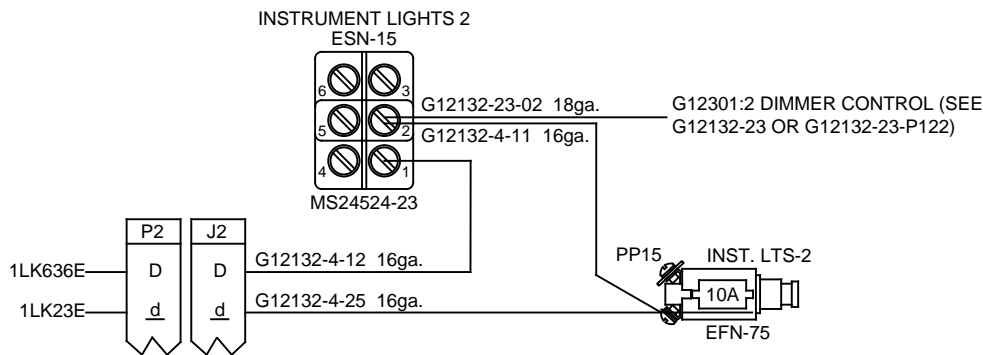
For some installations, the installer may choose a location outside the console to house the PP15 bus and the attached circuit breakers, in order to reclaim the Left Middle breaker rail for other installer-defined circuits. As a result, the direct connection between the Instrument Lights 2 breaker and switch would no longer be possible. This diagram shows the necessary change to the circuit.

All changes to the console wiring can be made at the circuit breaker, without requiring the re-routing of any console wires. Wires G12132-4-11 and G12132-4-25 may be connected together using a blue butt splice (see G12132-1 for the splice part number).

Alternatively, wire G12132-4-25 may be removed from the wire bundle leading to the Left Middle breaker rail, and routed directly to the Instrument Lights 2 switch in the right hand switch rail. In most cases, the wire will be too short to reach the switch and must be extended.

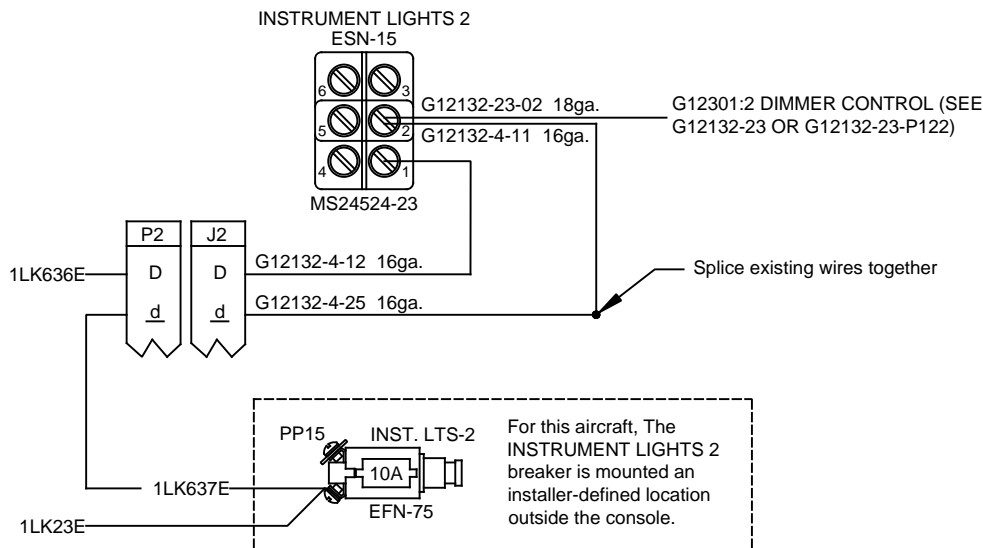
Alternatively, a new wire of the proper length and gauge may be routed directly from pin J2:d to the Instrument Lights 2 switch, with appropriate labeling. For instance, at the installer's discretion, this wire might be labeled either G12132-4-11 or G12132-4-25, since it replaces both of the original wires.

All of these possible changes require that the installer update the wiring diagrams to reflect the changes.



### STANDARD WIRING

ref: G12132-4-073273, G12132-4-073274



### MODIFIED WIRING

Effectivity: AS350B2 embodying mod 350A07-3273,  
 or AS350B3 embodying mod 350A07-3274

SEE NOTES ON G12132-1

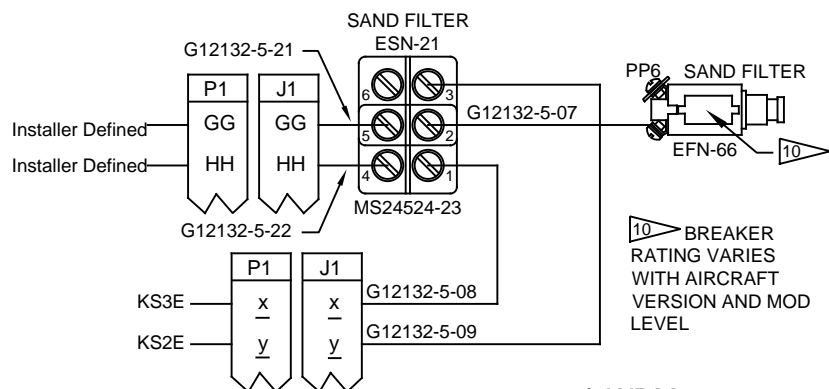
REV	DESCRIPTION	DATE	APROV.
	REVISION		



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DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	EXTERNAL INST LTS 2 BREAKER P132 and P122 CONSOLE WIRING
DWG NO.	G12132-29
REV.	--



### STANDARD WIRING

ref: WDM 71.61.10  
ref: G12132-5

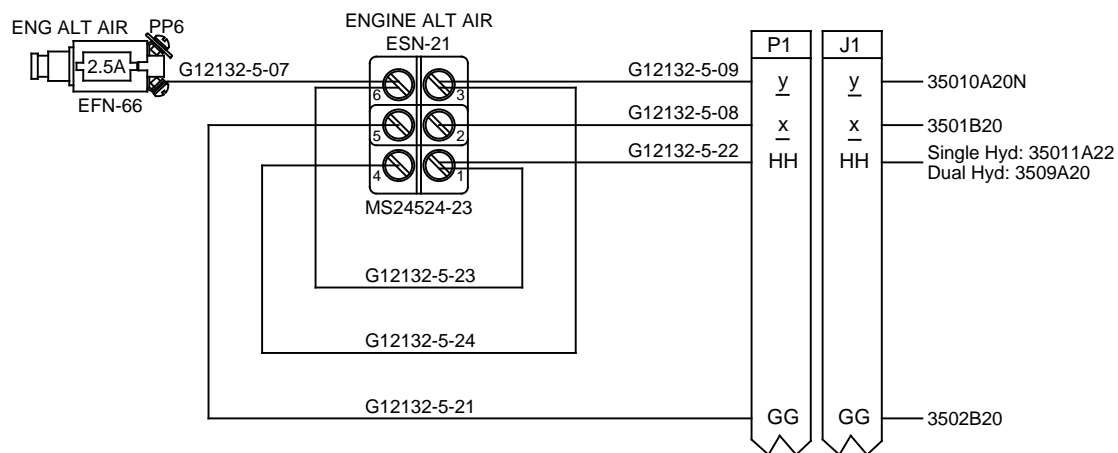
## CONSOLE MODIFICATION FOR AEROMETALS INLET BARRIER FILTER SYSTEM (Was FDC/aerofilter)

This diagram shows how the standard SAND FILTER switch and breaker circuit may be modified for use with the Aerometals Inlet Barrier Filter system models 1350IN1-7 for aircraft with a single hydraulics system and 1350IN3-1 for aircraft with a dual hydraulics system. For both models the internal console wiring is the same, only the external wire numbers change.

Depending on the aircraft version and mod level, the standard SAND FILTER circuit breaker may be rated at 7.5A, and will need to be replaced.

The modified circuit uses the standard switch. All changes to the switch wiring can be made at the switch, without requiring the re-routing of any console wires. Two wires will need to be added at the switch, as shown. The ring terminals on wires G12132-5-07, -09 and -22 must be removed and the wire pairs shown in the diagram must be crimped into single terminals.

The wire numbers shown for the added wires are suggestions; the installer must make sure that the actual labels used do not duplicate wire numbers already in use in the console.



### MODIFIED WIRING

ref: Aerometals DWG 1350E1 (Single Hydraulic)  
ref: Aerometals DWG 1350E2 (Dual Hydraulic)

Effectivity: AS350D, D1, B, BA, B1, B2 and B3

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
A	Added Dual Hydraulic option. Changed company name to Aerometals.	4/27/17	GA
REVISION			



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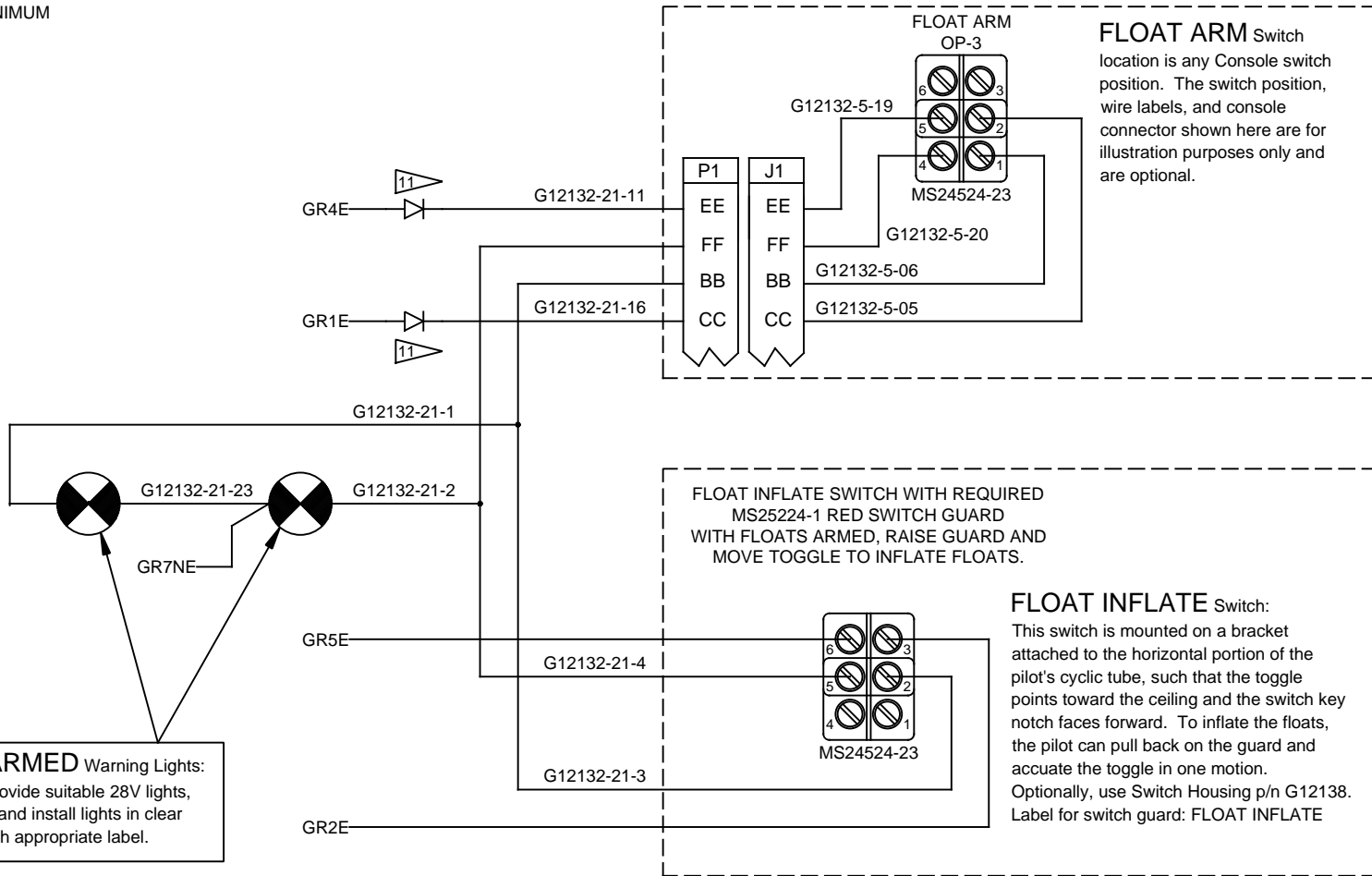
DRAWN	DATE
RBH	10/10/07
APPROVAL	DATE
CLB	10/10/07
PRO NO.	SHT.
GA107	1

TITLE	DWG NO.	REV.
OPTIONAL ENGINE ALT AIR CIRCUIT P132 and P122 CONSOLE WIRING	G12132-30	A

NOTES:  
 FOR USE WITH PRE-EXISTING FLOAT EQUIPMENT ONLY  
 All wire is AN20ga. unless otherwise noted.  
 Wiring for switches and lights may optionally be AN22ga.  
 Recommended Diode: 6A05-T (6A, 50V)  
 Installer shall mount diodes securely.

**11** POWER DIODES MUST BE RATED  
 AT 6A AND 50VDC MINIMUM

**FLOATS ARMED** Warning Lights:  
 Installer shall provide suitable 28V lights,  
 amber in color, and install lights in clear  
 view of pilot, with appropriate label.



**FLOAT ARM** Switch  
 location is any Console switch  
 position. The switch position,  
 wire labels, and console  
 connector shown here are for  
 illustration purposes only and  
 are optional.

**FLOAT INFLATE SWITCH WITH REQUIRED  
 MS25224-1 RED SWITCH GUARD  
 WITH FLOATS ARMED, RAISE GUARD AND  
 MOVE TOGGLE TO INFLATE FLOATS.**

**FLOAT INFLATE** Switch:  
 This switch is mounted on a bracket  
 attached to the horizontal portion of the  
 pilot's cyclic tube, such that the toggle  
 points toward the ceiling and the switch key  
 notch faces forward. To inflate the floats,  
 the pilot can pull back on the guard and  
 accuate the toggle in one motion.  
 Optionally, use Switch Housing p/n G12138.  
 Label for switch guard: FLOATE INFLATE

SEE NOTES ON G12132-1

B	FIXED INFLATE SWITCH WIRING; REMOVED GREEN LAMP OPTION	02/10/11	RBH
A	UPDATED DIODE P/N IN NOTES	05/12/10	RBH
REV	DESCRIPTION	DATE	APROV.
REVISION			



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DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	FLOAT SWITCH CIRCUITS P132 and P122 CONSOLE WIRING
DWG NO.	G12132-31
REV.	B

# CONSOLE AND CIRCUITRY MODIFICATION FOR DUAL HYDRAULIC SYSTEM

The Dual Hydraulic system is an option for the AS350B3 only. Originally introduced as Mod OP3082 for aircraft pre-mod 350A07-3274, and as OP3346 with different airframe wire numbers for aircraft post-mod 350A07-3274, the dual system is now installed on all or nearly all new B3's.

The Dual Hydraulic System requires a separate circuit breaker on PP9 for the HYD MAIN function, an additional switch for the Servo Test function, and a modification to the WARN / FIRE switch circuit.

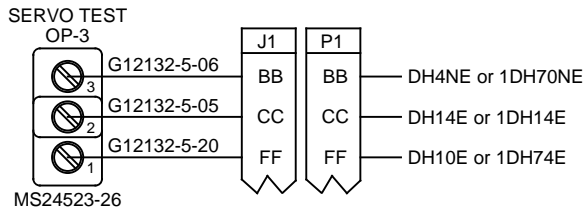
Use the TURN & BANK breaker for HYD MAIN. If a TURN & BANK breaker is needed, the function may be relocated to any available breaker on any bus supplied from the main PP12 bus, provided that the bus can handle the additional load.

The SERVO TEST switch must be single- or double-pole, momentary-ON. As of G12312 Revision J, OP-3 is wired for this function for aircraft post-mod 350A07-3274. For other B3 units, any unused switch position may be used for this function, but in nearly all cases the existing switch must be replaced with the proper type. The sample circuitry uses OP-3, which is the only switch that has no assigned function in the standard definition for these consoles.

The HYDRAULICS TEST switch circuitry inside the console does not require modification, but the airframe wire numbers will be different. The wire numbers will also differ between post-mod 350A07-3274 aircraft and earlier aircraft, throughout the Dual Hydraulic system wiring.

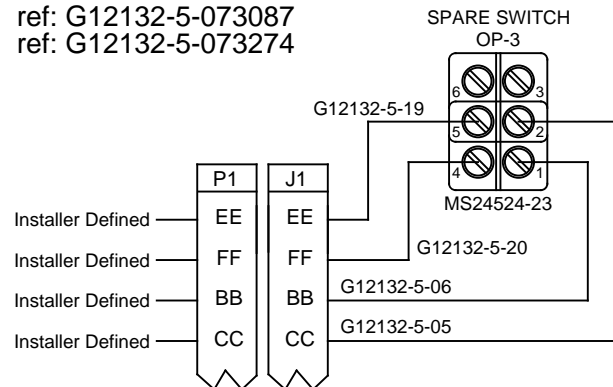
(Continued on G12132-32 Sheet 2)

ref: AEC DWG 350A67-4165-00  
ref: WDM 29.10.20



**Modified OP-3 Switch and Wiring  
(standard as of G12132 Revision J)**

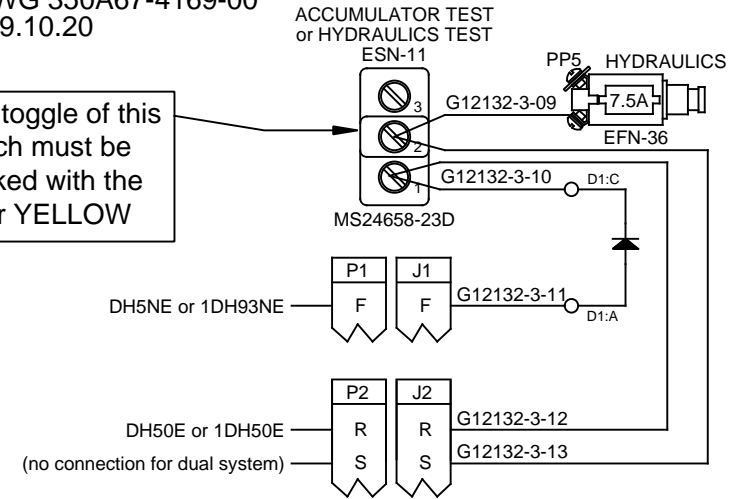
ref: G12132-5-073087  
ref: G12132-5-073274



**Standard OP-3 Switch and Wiring  
(prior to G12132 Revision J)**

ref: AEC DWG 350A67-4169-00  
ref: WDM 29.10.20

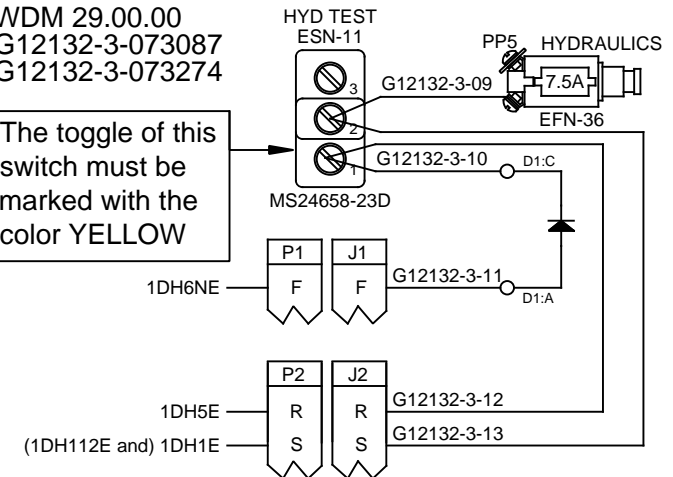
The toggle of this switch must be marked with the color YELLOW



**Modified ESN-11 Wiring**

ref: WDM 29.00.00  
ref: G12132-3-073087  
ref: G12132-3-073274

The toggle of this switch must be marked with the color YELLOW



**Standard ESN-11 Wiring**

Effectivity: AS350B3 with Dual Hydraulics

SEE NOTES ON G12132-1

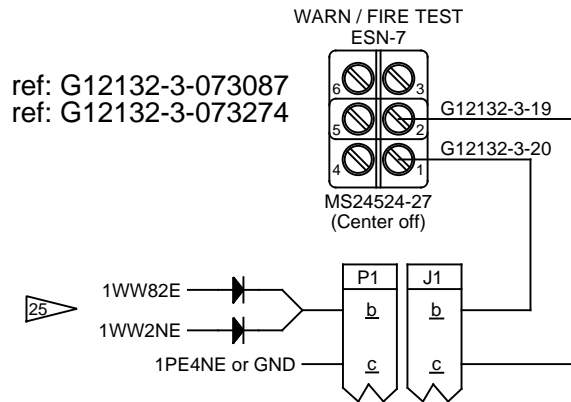
REV	DESCRIPTION	DATE	APROV.
C	ADDED WIRE 1DH112E	03/04/10	RBH
B	NEW G12132 REV J SWITCH TYPE STANDARDS FOR ESN-7 AND OP-3	03/23/09	RBH
A	ADDED ESN-11 COLOR CODING	09/25/08	RBH
REVISION			



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DRAWN	RBH	DATE	05/06/08
APPROVAL	CLB	DATE	05/06/08
PRO NO.	GA107	SHT.	1 of 2

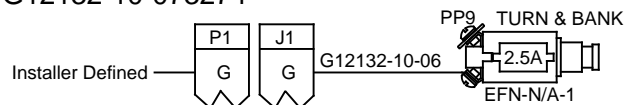
TITLE	OPTIONAL DUAL HYDRAULICS P132 and P122 CONSOLE WIRING
DWG NO.	G12132-32
REV.	C



### Standard ESN-7 Wiring

prior to G12132 Revision J  
(FIRE TEST and Overlay circuitry omitted for clarity)

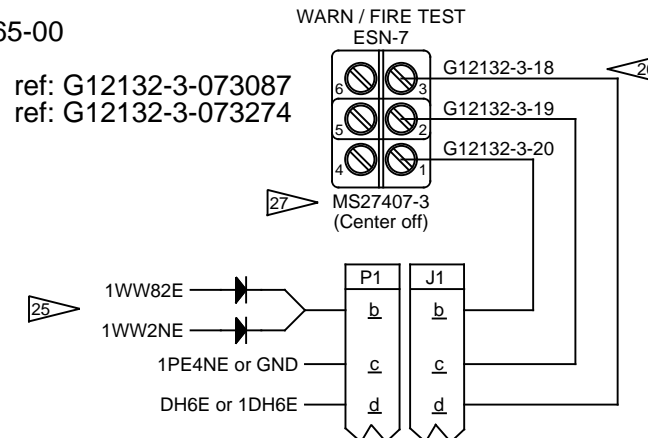
ref: G12132-10-073087  
ref: G12132-10-073274



### Standard EFN-N/A-1 Wiring

prior to G12132 Revision J

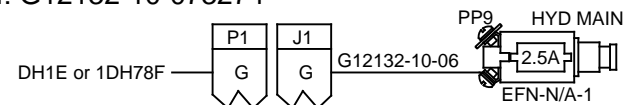
ref: AEC DWG 350A67-4165-00  
ref: WDM 29.10.20  
ref: WDM 31.50.00  
ref: WDM 31.60.00



### Modified ESN-7 and EFN-N/A-1 Wiring

Standard as of G12132 Revision J  
(FIRE TEST and Overlay circuitry omitted for clarity)

ref: G12132-10-073087  
ref: G12132-10-073274



### Modified EFN-N/A-1 Wiring

Standard as of G12132 Revision J

## CONSOLE MODIFICATION FOR DUAL HYDRAULIC SYSTEM

(Continued from G12132-32 Sheet 1)

In addition, aircraft with Dual Hydraulic systems contain a wire from the Warning Light panel that requires a switched connection to ground, which must disconnect when the WARN / FIRE TEST switch is in the WARN TEST position, but connect when the WARN / FIRE TEST switch is at rest. Since the MS24524-27 switch used previously for the WARN / FIRE TEST function cannot make this connection internally, a different switch type (MS27407-3) is required to provide this functionality.

25 Wire numbers shown are for aircraft embodying mod 350A07-3274. For earlier aircraft, wire number WW2NE replaces 1WW2NE, and wire number 1WW82E is replaced by either WW2NF or 1WW2NF, depending on the mod level. Diodes on these wires are required for both Single or Dual Hydraulics systems, and may be pre-existing on earlier aircraft. The installer shall confirm the presence of diodes in each branch of the circuit and shall provide suitable diodes for any branches without diodes. See G12132-1 section 5 for information on suitable diode types.

26 Prior to G12132 Revision F, an unused wire from ESN-7 terminal 3 to pin "d" of connector J1 was included in the standard B3 version console wiring. This wire was removed in revisions F, G and H, but is re-introduced in Revision J. If a particular console does not have this wire, then either a wire must be run from ESN-7 terminal 3 to an available connector pin for this purpose, or airframe wire 1DH6E must be wired directly to ESN-7 terminal 3.

27 This switch type maintains the following connections in the center OFF position: terminals 2 and 3 are connected together, and terminals 4 and 5 are connected together.

Effectivity: AS350B3 with Dual Hydraulics

SEE NOTES ON G12132-1

SEE SH. 1 FOR REVISION HISTORY

REV	DESCRIPTION	DATE	APROV.
	REVISION		



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DRAWN	RBH	DATE	05/06/08
APPROVAL	CLB	DATE	05/06/08
PRO NO.	GA107	SHT.	2 of 2

TITLE	OPTIONAL DUAL HYDRAULICS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-32	REV.	C

ref: G12132-2-073087  
 ref: WDM 80.00.00

# CONSOLE MODIFICATION FOR AS350B3 TWIST GRIP

This diagram shows how the standard FADEC breaker circuit may be modified for compliance with AEC Service Bulletin 67.00.33. This applies only to B3 aircraft pre-mod 350A07-3222, and is required only for P122 or P132 consoles manufactured under GA107 Revision F or later, that have the output of the MASTER CUTOFF switch internally connected to 1A FADEC and ROTOR breakers.

Refer to G12132-1 Revision H, paragraphs 6.1, 6.3, and 7.9 for specific requirements for reworking the console wiring.

The modification requires disconnecting the output wire from the currently installed 2.5A FADEC breaker and routing it to the output of a non-bussed 1A breaker which must be added or otherwise made available to the circuit; replacing the 2.5A breaker with a 7.5A breaker; and routing the output of the 7.5A breaker both to the input of the added 1A breaker, and to a separate output wire (if there was one originally connected to the 1A breaker, it may be used for this).

If there was no wire connected to the breaker, a new 20ga wire may be installed and routed through any available connector pin, or the KK161E wire may be routed directly to the 7.5A breaker.

Because this modification involves insertion of additional parts in line with circuits that are wholly contained within the console, the 1A breaker should be mounted inside the console. For a console with no SPARE breaker available, this may require that another circuit be moved outside the console.

Since the additional breaker in the FADEC circuit is not connected to a bus bar, select a breaker that is mounted at the forward or aft end of a rail, or at the split between two bus bars on the same rail, if one is available.

If a SPARE breaker is selected that is mounted in the middle of a bus bar, it may be moved to the extreme end of the bus bar area; all other breakers on the bar may be moved toward the source of the wiring bundle (DOWNWARD on a P122 console or FORWARD on a P132 console); and the bus bar may be shortened by one mounting hole. In this case, all breakers that are moved must be properly labeled in their new positions. Contact Geneva Aviation for information about replacement placards.

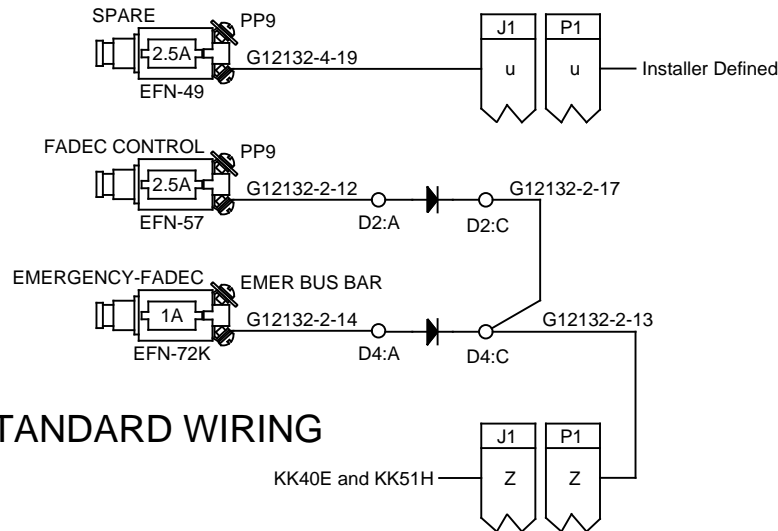
This example uses EFN-49 for the new 1A FADEC breaker, due to its proximity to the existing FADEC breaker, but any un-bussed breaker position will do.

It may be necessary to extend the existing wires to reach their new destination breakers. For those wires, the existing labels may be used, or the wires may be relabeled. Wire numbers shown for added wires are suggestions; the installer may assign other wire numbers, but must make sure that the actual labels used do not duplicate wire numbers already in use in the console.

Effectivity: AS350B3 post-mod 350A07-3084, pre-mod 350A07-3222, with SB 67.00.33 implemented

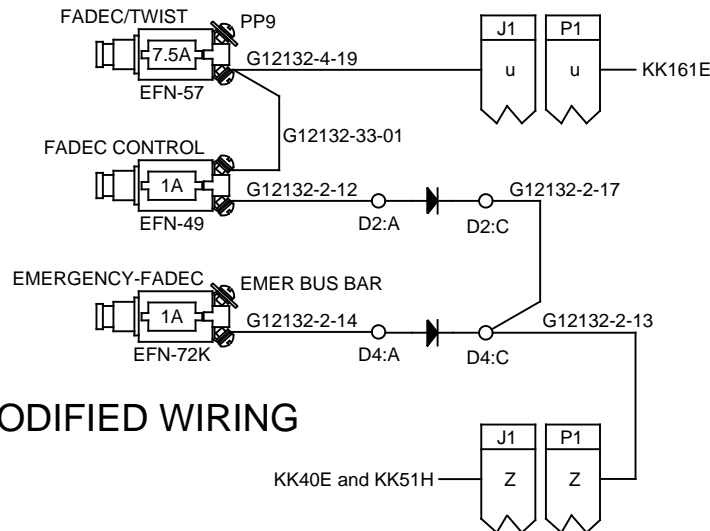
SEE NOTES ON G12132-1

## STANDARD WIRING



ref: AEC DWG 350A08-5210  
 ref: SB 67.00.33

## MODIFIED WIRING



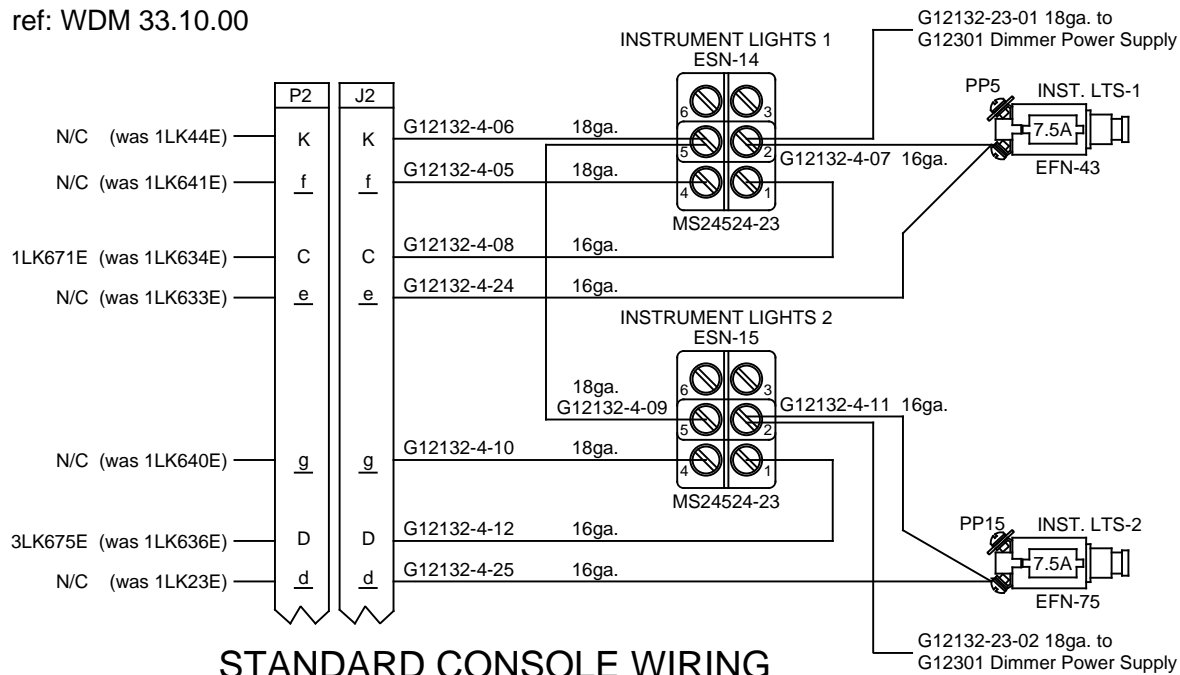
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DRAWN	RBH	DATE	03/02/09
APPROVAL	CLB	DATE	03/02/09
PRO NO.	GA107	SHT.	1

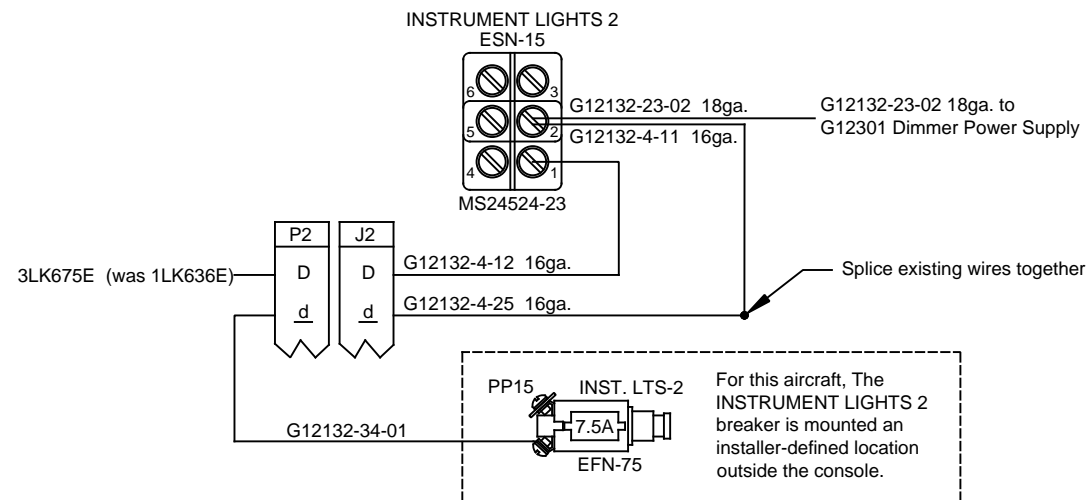
TITLE	TWIST GRIP CIRCUIT (SB67.00.33) P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-33	REV.	--

REV	DESCRIPTION	DATE	APROV.
	REVISION		

ref: WDM 33.10.00



**STANDARD CONSOLE WIRING**



**MODIFIED PER G12132-29**

## CONSOLE MODIFICATION FOR AIRCRAFT WITH "217L" LIGHTING CONTROL MODULE

Aircraft that embody Mod 350A07-3368 use a different instrument panel lighting scheme than earlier AS350 aircraft, with a different control module ("217L") that requires less current and removes the interdependence of the Instrument Lights 1 and 2 switches.

On these aircraft, only the P2:C and P2:D connections are required, and are made using the airframe wires shown in the upper left diagram. The 10A Instrument Lights 1 and 2 breakers must be replaced with 7.5A breakers, as shown.

With the reduction of the breaker rating, all 16ga. and 18ga. internal console wiring shown in these circuits may be reduced to AN20ga in consoles specifically built for use with aircraft that embody Mod 350A07-3368.

At the installer's discretion, those console wires that terminate at "N/C" on the airframe side may be disconnected from the switches and breakers, and removed from the console or reassigned for other purposes. However, the switches must remain Double-Pole to take advantage of that switch type's higher lamp current rating.

If the PP15 bus is to be mounted outside the console, as specified in G12132-29, the P2:d connection will also be needed. The lower left diagram shows how the connections shown on G12132-29 may be modified for the new equipment.

Note that, as with all other modifications to the console or installation, the installer is required to update the wiring diagrams to reflect the actual connections used.

Effectivity: AS350B2 or AS350B3 embodying mod 350A07-3368

SEE NOTES ON G12132-1

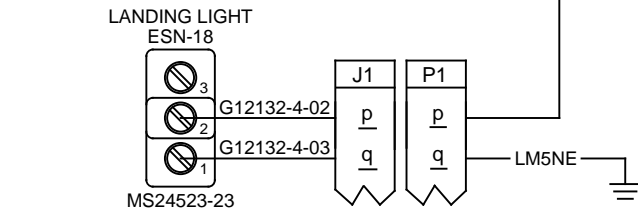
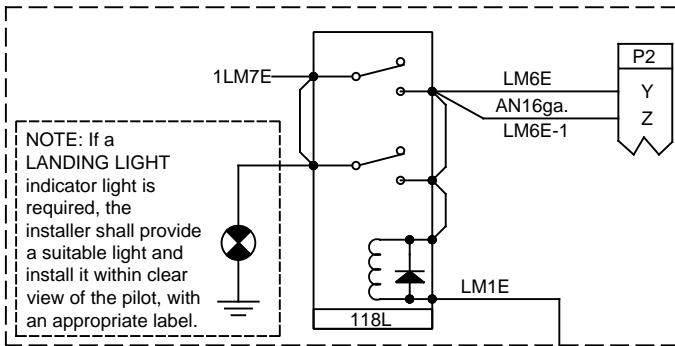
REV	DESCRIPTION	DATE	APROV.
	REVISION		



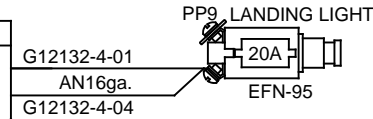
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DRAWN	RBH	DATE	03/04/10
APPROVAL	CLB	DATE	03/04/10
PRO NO.	GA107	SHT.	1 of 2

TITLE	07-3368 LIGHTING CIRCUITS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-34	REV.	--



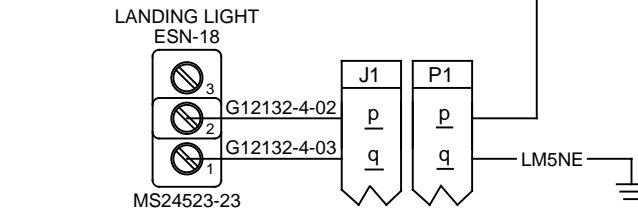
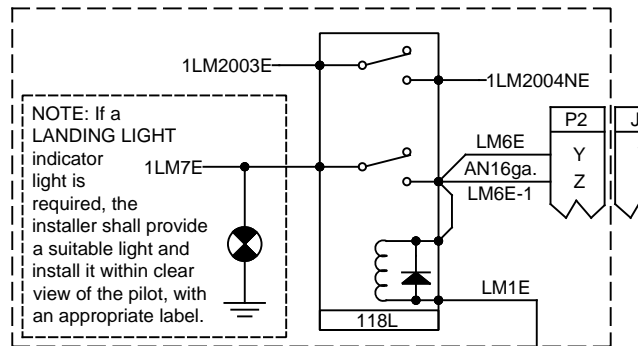
**STD LAND LIGHT RELAY CIRCUIT**



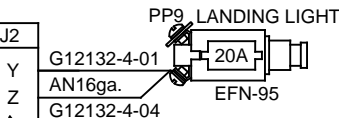
ref: WDM 33.43.00

**CONSOLE MODIFICATION FOR AIRCRAFT WITH "217L" LIGHTING CONTROL MODULE (continued)**

Aircraft that embody Mod 350A07-3368 also use the Landing Light and Taxi Light switch circuits to control part of the Instrument Lights circuits. This functionality requires additional connections in the Taxi Light switch circuit and the Landing Light Relay circuit.



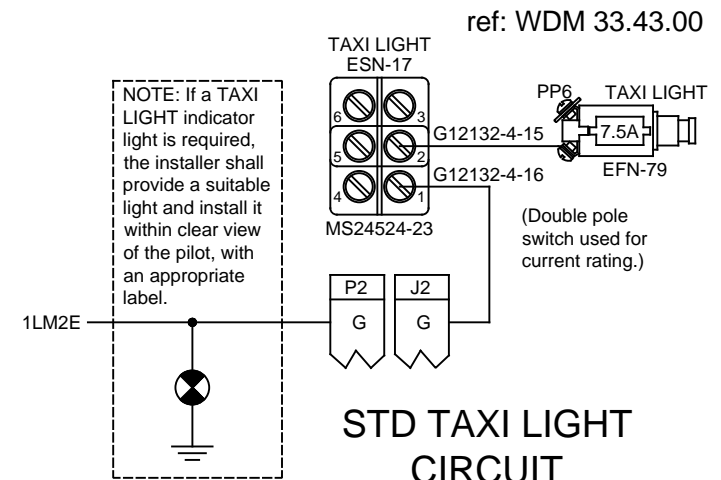
**WIRED FOR MOD 350A07-3368**



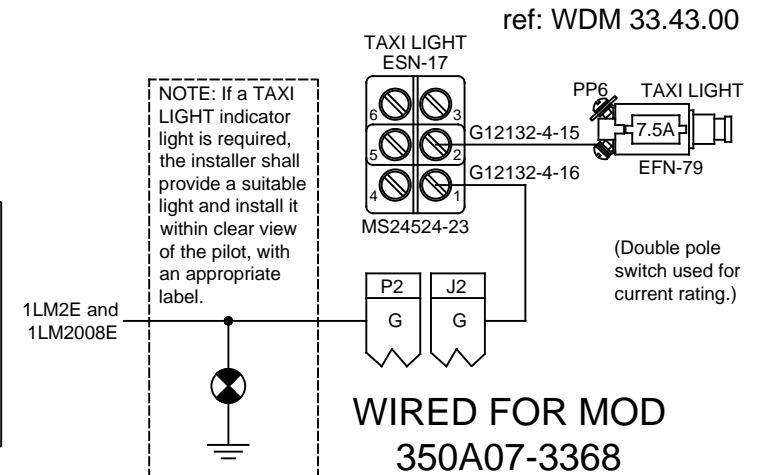
ref: WDM 33.43.00

At right, the additional wire (1LM2008E) is connected with the existing wire at the output of the Taxi Light switch.

At left, one pole of the Landing Light relay is reserved for the Lighting plate circuit (1LM2003E and 1LM2004NE).



ref: WDM 33.43.00



ref: WDM 33.43.00

Effectivity: AS350B2 or AS350B3 embodying mod 350A07-3368

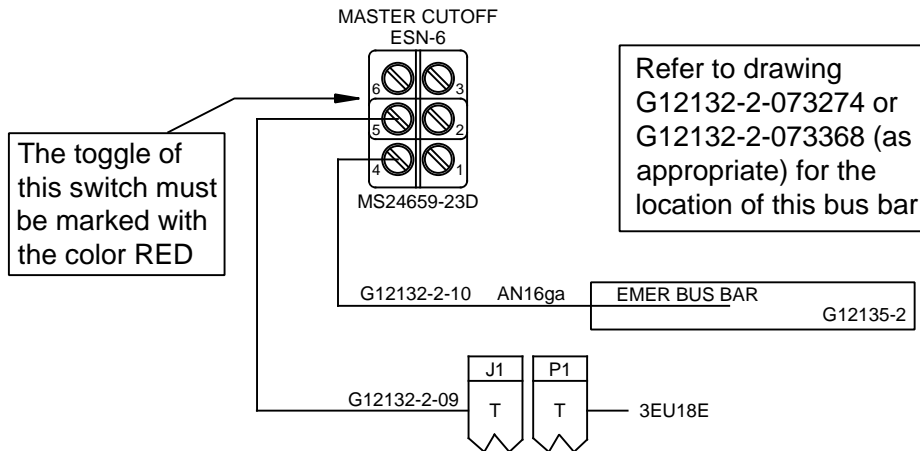
SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		



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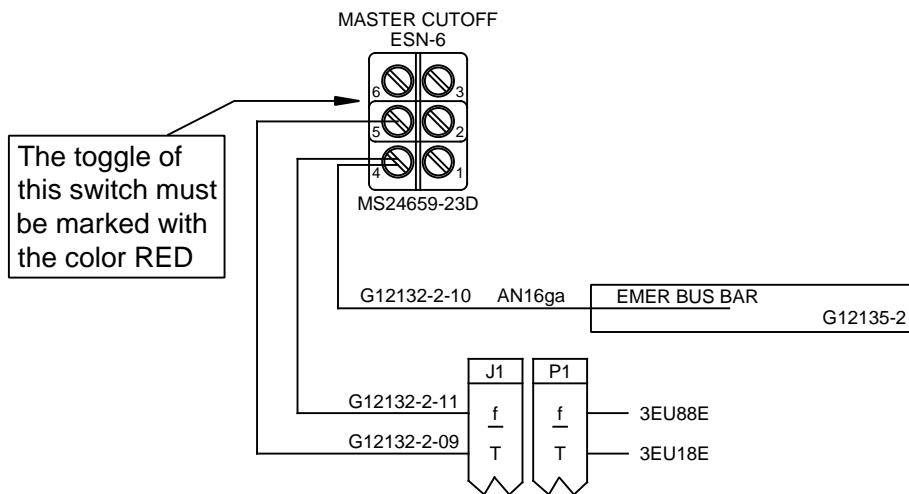
DRAWN RBH	DATE 03/04/10	TITLE 07-3368 LIGHTING CIRCUITS P132 and P122 CONSOLE WIRING
APPROVAL CLB	DATE 03/04/10	DWG NO. G12132-34
PRO NO. GA107	SHT. 2 of 2	REV. --



Refer to drawing G12132-2-073274 or G12132-2-073368 (as appropriate) for the location of this bus bar

The toggle of this switch must be marked with the color RED

UNMODIFIED MASTER CUTOFF SWITCH CIRCUIT  
UNRELATED CIRCUITRY OMITTED FOR CLARITY



The toggle of this switch must be marked with the color RED

SAMPLE MODIFIED MASTER CUTOFF SWITCH CIRCUIT  
UNRELATED CIRCUITRY OMITTED FOR CLARITY

### CONSOLE MODIFICATION FOR MASTER CUTOFF BYPASS CIRCUIT PER MOD 350A07-3476

Aircraft that embody Mod 350A07-3476 supply power to the EMERGENCY bus when either the DIRECT BATTERY or the MASTER CUTOFF switch is engaged. This modification is not relevant to wiring diagram sets G12132-073273, G12132-073087 or the base G12132 wiring diagram set, and the current revision of the G12132-073274 and G12132-073368 wiring diagram sets provide this functionality. However, consoles built to earlier revisions of the latter two wiring diagram sets may require modification to provide this functionality.

Airframe wire 3EU88E must be connected into the junction between the MASTER CUTOFF switch and the EMERGENCY bus bar inside the console.

At the installer's discretion, the connection may be made through the connector pin shown in the sample circuit, or through another available connector pin, or the airframe wire may be connected directly to the internal console circuit.

At the installer's discretion, the internal connection may be made by splicing the added wire into wire G12132-2-10 using an appropriately sized butt splice, or by replacing the ring terminal at either end of wire G12132-2-10 with an appropriately sized ring terminal and crimping both wires into the terminal. Per document G12132-1 paragraph 6.1, do not add a second ring terminal at either the switch connection or the bus bar connection in order to connect the additional wire.

The wire number G12132-2-11 shown for the additional wire is only a suggestion. At the installer's discretion, if the additional wire is used, a different wire number may be assigned, provided that it uniquely identifies the wire. In any case the installer must update the wiring diagrams to reflect the actual connection method and wire number (if any) used in the installation.

Effectivity: AS350B3 embodying mod 350A07-3476

SEE NOTES ON G12132-1

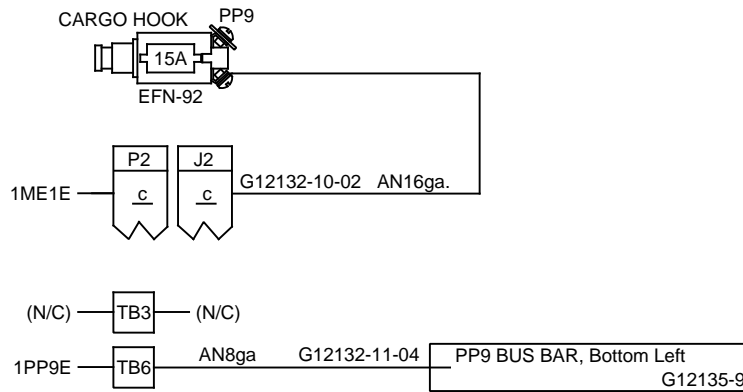
REV	DESCRIPTION	DATE	APROV.
	REVISION		



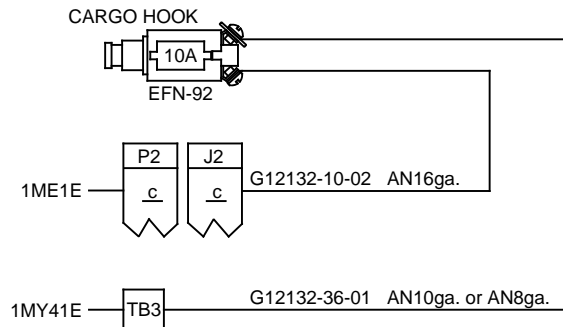
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DRAWN	RBH	DATE	5/12/10
APPROVAL	CLB	DATE	5/12/10
PRO NO.	GA107	SHT.	1

TITLE	MASTER CUTOFF BYPASS CIRCUIT P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-35	REV.	--



UNMODIFIED CARGO HOOK BREAKER CIRCUIT



SAMPLE MODIFIED CARGO HOOK BREAKER CIRCUIT

## CONSOLE MODIFICATION FOR ALTERNATE CARGO HOOK BREAKER POWER SOURCE

Per Eurocopter Service Bulletin AS350-25.01.09, AS350B3 aircraft post-mod 350A07-3273 and 350A07-3274 may be subject to startup failure if a short circuit occurs in the Cargo Hook circuitry. This Service Bulletin recommends separating the power source for the CARGO HOOK breaker from the PP9 bus used by the START and FADEC CONTROL breakers. Provision is made in the Service Bulletin for a similar change for AS350B2 aircraft.

This may be accomplished in the P132 or P122 console by physically moving the CARGO HOOK breaker to the end of the PP9 rail in which it is mounted, and shortening the bus bar so that it does not extend to the CARGO HOOK breaker position. For the P132 console, the new position would be at the aft end of the breaker rail; for the P122, it would be the uppermost position in the column. For tips on shortening the bus bar, see G12132-1 section 7.9.

If necessary, the output wire from the CARGO HOOK breaker may be extended to the new position using a blue butt splice; see G12132-1 section 6.2 for the appropriate part number.

The Service Bulletin also recommends reducing the rating of the CARGO HOOK breaker to 10A, as shown. See G12132-1 paragraph 7.1 for the appropriate breaker series.

Once the CARGO HOOK breaker is separated and replaced with the lower rating, at the installer's discretion, either it may be connected directly to airframe wire 1MY41E per the Service Bulletin, or wire 1MY41E may be connected to an available terminal post on the power terminal block and a separate 8 gauge or 10 gauge wire may be run from that post to the CARGO HOOK breaker.

The wire number G12132-36-01 shown here for the added wire is only a suggestion. Per G12132-1 Section 4, at the installer's discretion, if the additional wire is used, a different wire number may be assigned, provided that it uniquely identifies the wire. In any case the installer must update the wiring diagrams to reflect the actual connection method and wire number (if any) used in the installation.

Effectivity: AS350B2 or AS350B3 embodying mods 350A07-3273 and 350A07-3274

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		



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DRAWN	RBH	DATE	8/30/11	TITLE	ALTERNATE CARGO HOOK POWER P122 and P132 CONSOLE WIRING
APPROVAL	CLB	DATE	8/30/11	DWG NO.	
PRO NO.	GA107	SHT.	1	REV.	--

ref: WDM 24.30.00  
 ref: WDM 62.30.00  
 ref: WDM 77.00.10  
 ref: WDM 80.00.00  
 ref: WDM 80.00.10

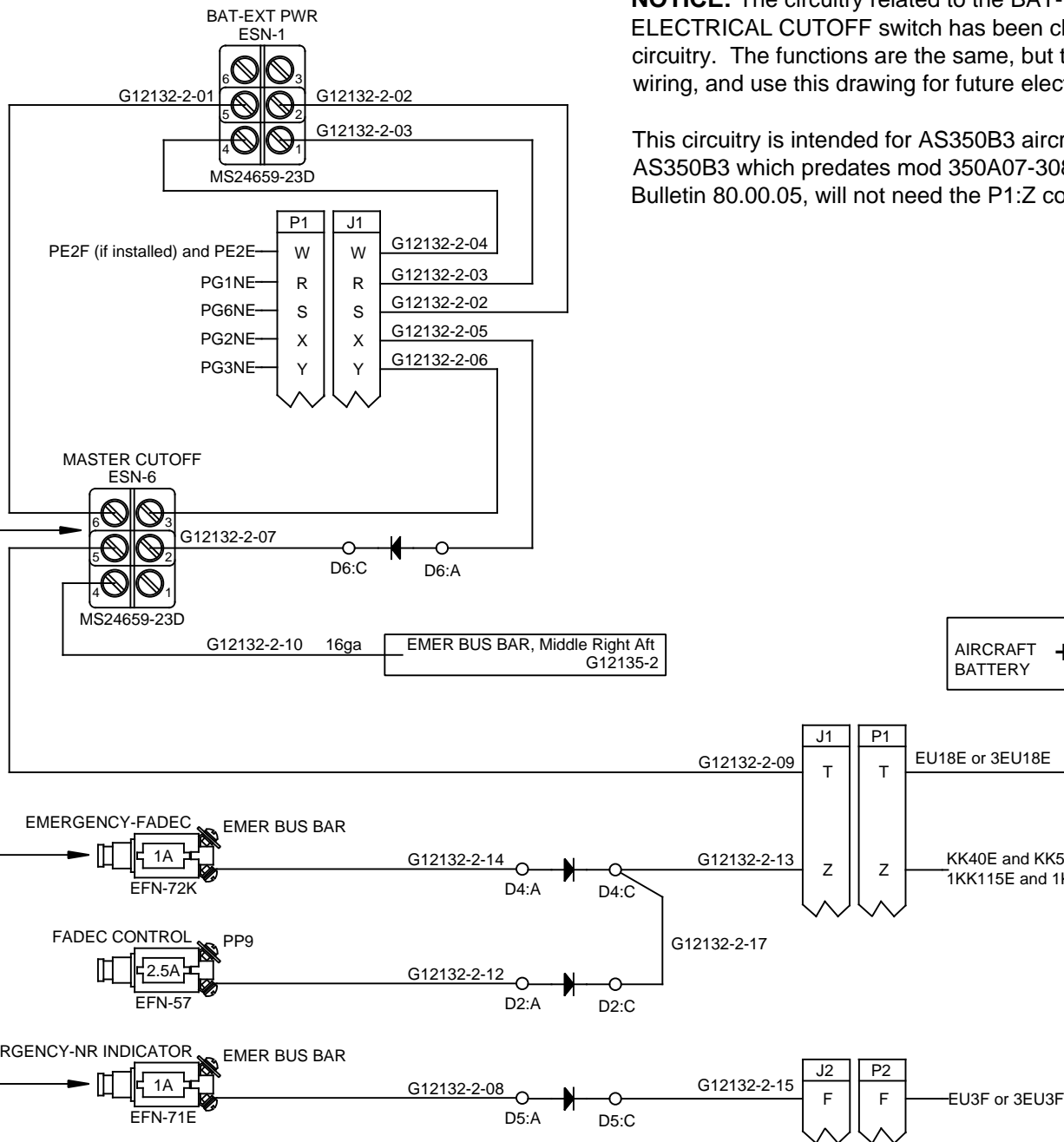
**NOTICE:** The circuitry related to the BAT-EXT PWR switch and the MASTER ELECTRICAL CUTOFF switch has been changed from the Eurocopter original circuitry. The functions are the same, but the wiring is different. Install using this wiring, and use this drawing for future electrical trouble shooting.

This circuitry is intended for AS350B3 aircraft that predate mod 350A07-3274. An AS350B3 which predates mod 350A07-3087, and does not incorporate Service Bulletin 80.00.05, will not need the P1:Z connection.

The toggle of this switch must be marked with the color RED

The original 2E3 fuse holder between EU19E and EU18E, or between 3EU19E and 3EU18E, MUST be replaced with a circuit breaker as shown.

These breakers replace fuses 71E and 72K, which are located in the hold on some aircraft.



**PRELIMINARY**  
 MM/DD/YY 00

Effectivity: AS350B3 pre-dating mod 350A07-3274

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
A	ADDED AIRFRAME WIRE PE2F	03/04/10	RBH



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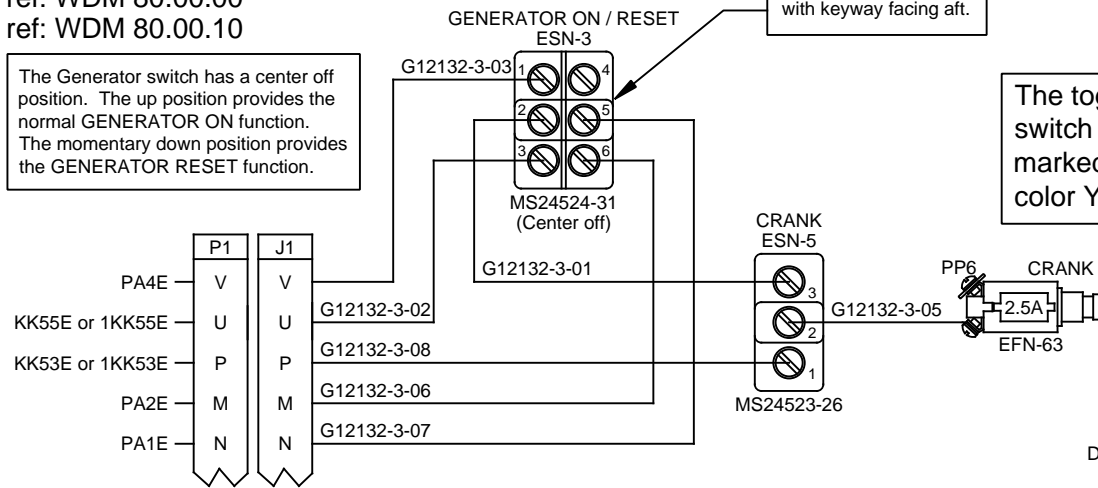
DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	SWITCH DETAILS		
	P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-2-073087	REV.	A

ref: WDM 24.30.00  
 ref: WDM 80.00.00  
 ref: WDM 80.00.10

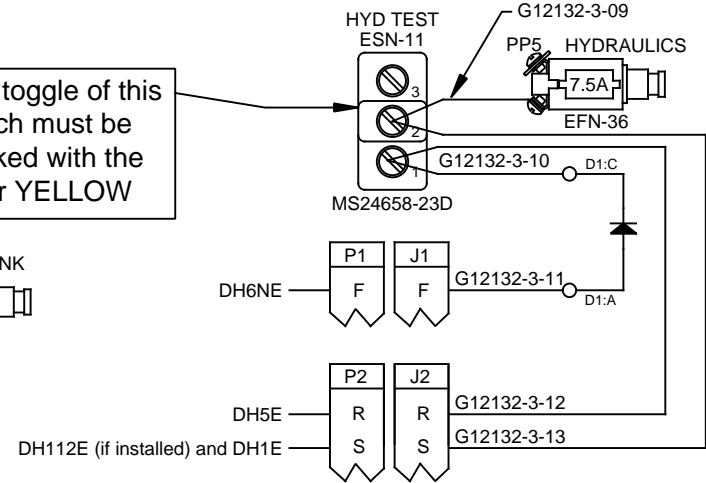
The Generator switch has a center off position. The up position provides the normal GENERATOR ON function. The momentary down position provides the GENERATOR RESET function.

NOTE:  
 This switch is installed with keyway facing aft.



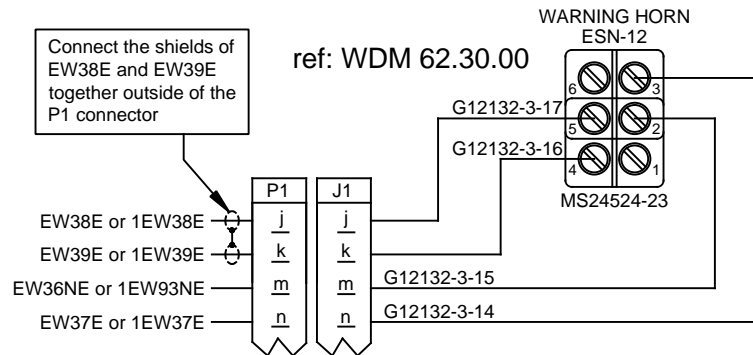
The toggle of this switch must be marked with the color YELLOW

ref: WDM 29.00.00



Connect the shields of EW38E and EW39E together outside of the P1 connector

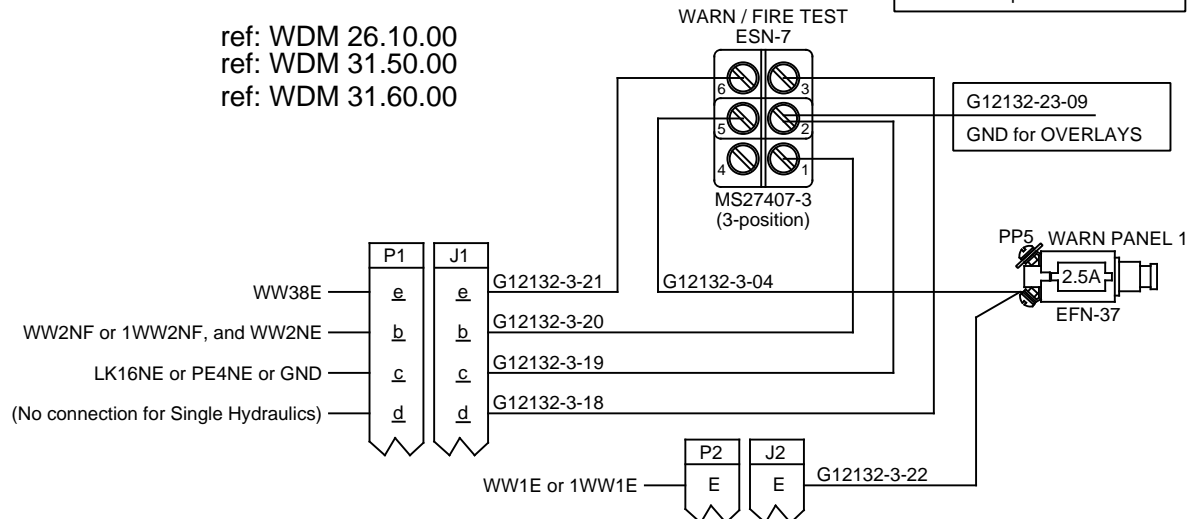
ref: WDM 62.30.00



This 3-position switch performs the FIRE TEST function in the aft position

NOTE: ESN-7 maintains connections between terminals 2 and 3, and between terminals 4 and 5, when the switch toggle is in the center position.

ref: WDM 26.10.00  
 ref: WDM 31.50.00  
 ref: WDM 31.60.00



REV	DESCRIPTION	DATE	APROV.
C	ADDED SHIELD NOTE FOR ESN-12 AIRFRAME WIRES; ADDED WIRE DH112E TO HYDRAULICS CIRCUIT; ADDED EFN-7 NOTES	03/04/10	RBH
B	CHANGED ESN-7 TYPE & WIRING INTERNALIZED WW1F CIRCUIT	03/23/09	RBH
A	ADDED ESN-11 COLOR CODING	09/25/08	RBH
REV	DESCRIPTION	DATE	APROV.
REVISION			

Effectivity: AS350B3 pre-dating mod 350A07-3274

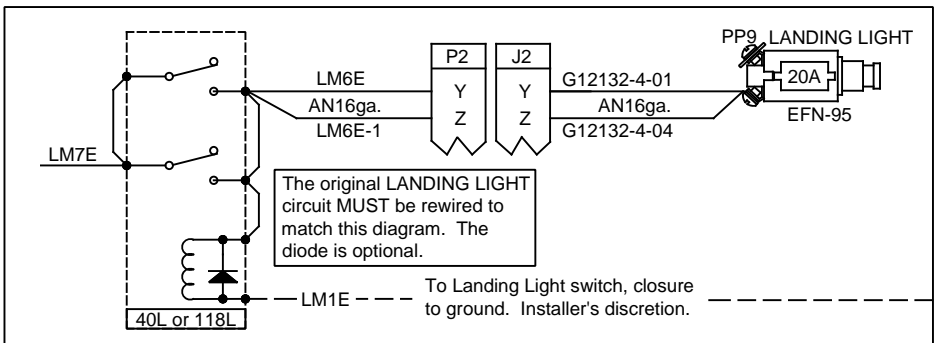
SEE NOTES ON G12132-1



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DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

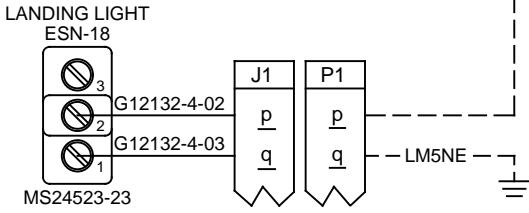
TITLE	SWITCH DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-3-073087	REV.	C



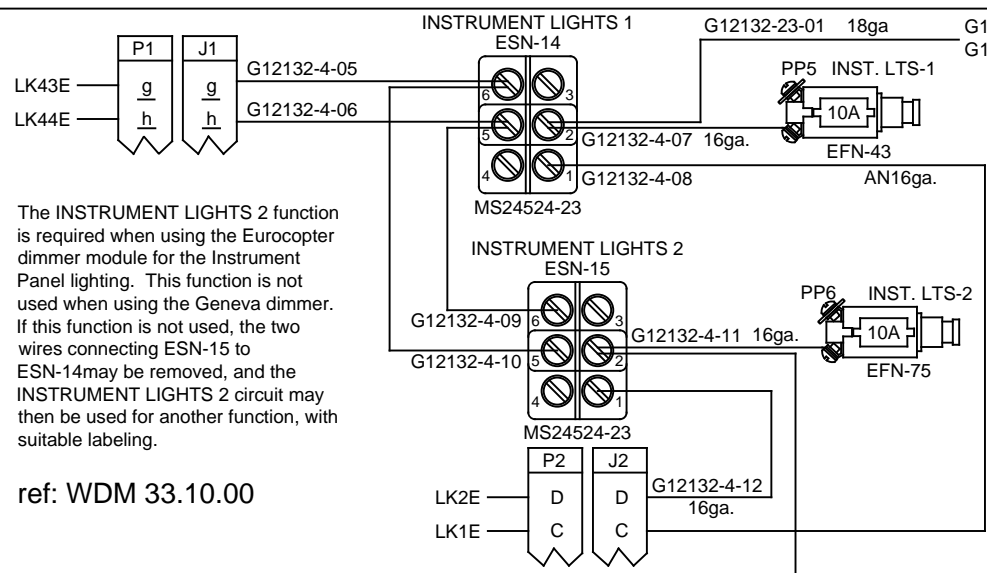
ref: WDM 33.43.00

This LANDING LIGHT switch circuit is optional, at the installer's discretion. Another switch and location may be substituted for the switch and location specified, with appropriate labeling. If an alternate location is used for the LANDING LIGHT switch, then the switch and position specified here may be used for another circuit, with appropriate labeling.

The landing light switch can be located on the Pilot's Collective Grip if desired.



Wires LM1E and LM5NE may be 16 ga. and need to have strands trimmed off in order to fit into the connector.

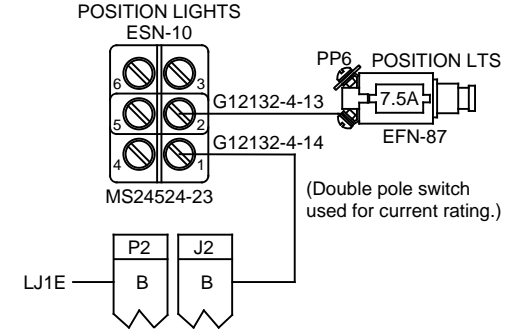


The INSTRUMENT LIGHTS 2 function is required when using the Eurocopter dimmer module for the Instrument Panel lighting. This function is not used when using the Geneva dimmer. If this function is not used, the two wires connecting ESN-15 to ESN-14 may be removed, and the INSTRUMENT LIGHTS 2 circuit may then be used for another function, with suitable labeling.

ref: WDM 33.10.00

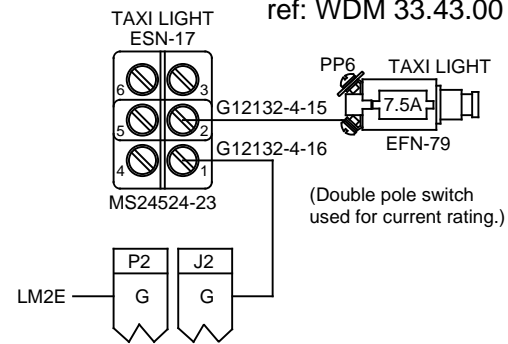
G12132-23-01 18ga G12301:2 DIMMER CONTROL (SEE G12132-23 or G12132-23-P122)

ref: WDM 33.41.00



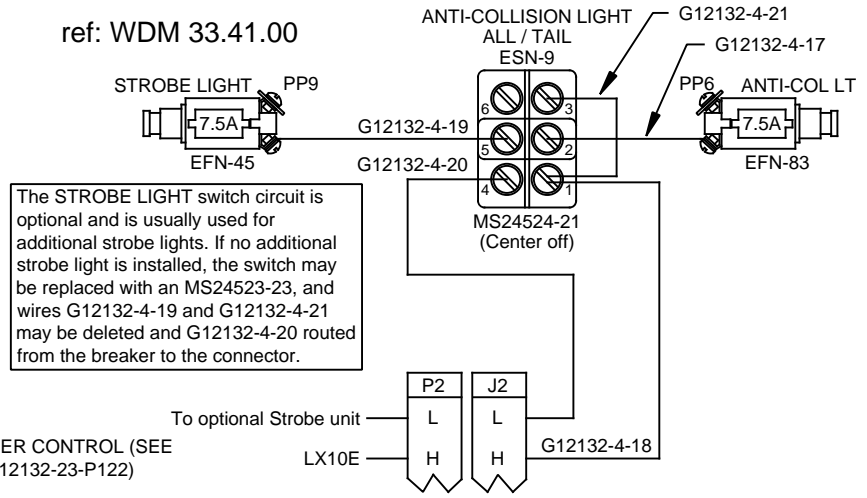
(Double pole switch used for current rating.)

ref: WDM 33.43.00



(Double pole switch used for current rating.)

ref: WDM 33.42.00



The STROBE LIGHT switch circuit is optional and is usually used for additional strobe lights. If no additional strobe light is installed, the switch may be replaced with an MS24523-23, and wires G12132-4-19 and G12132-4-21 may be deleted and G12132-4-20 routed from the breaker to the connector.

Effectivity: AS350B3 pre-dating mod 350A07-3274

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

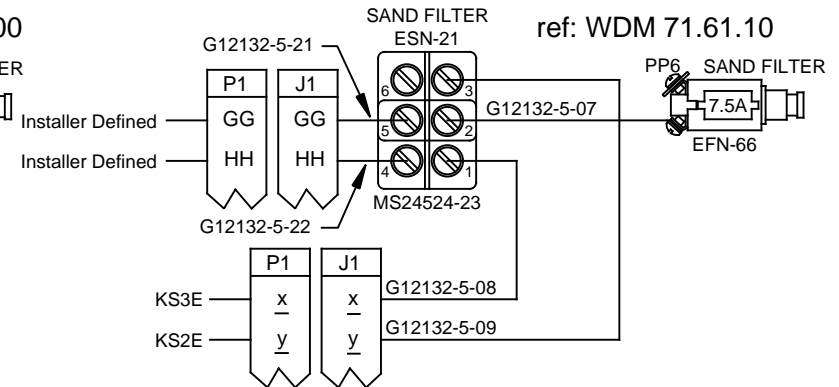
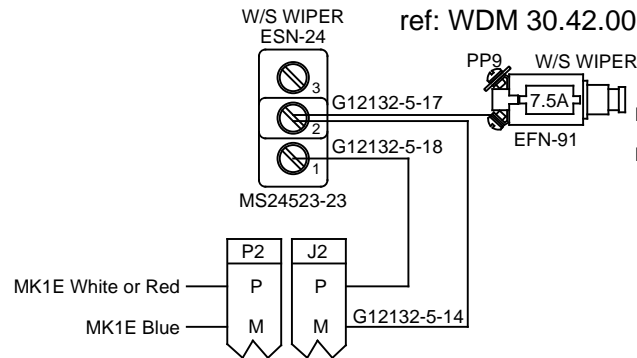
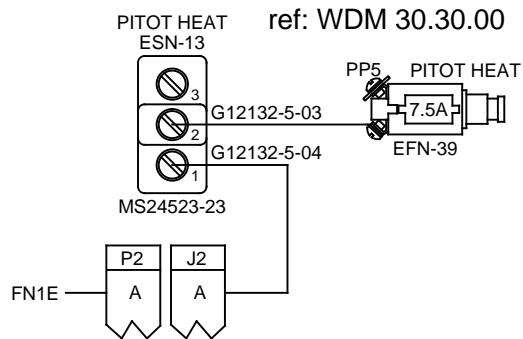
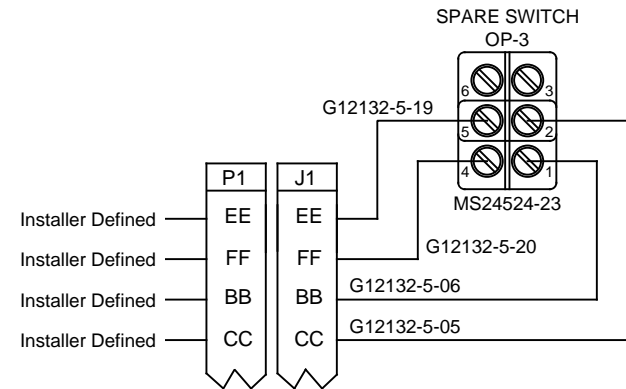
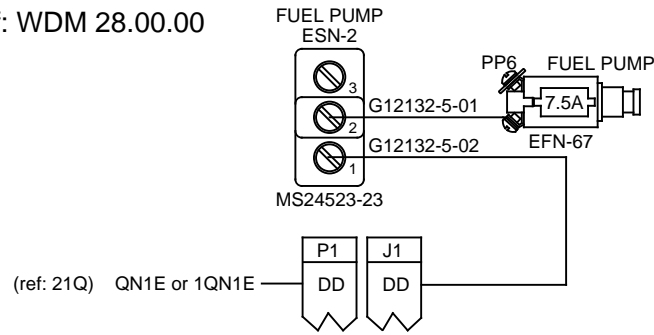


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DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	LIGHTING CIRCUITS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-4-073087	REV.	--

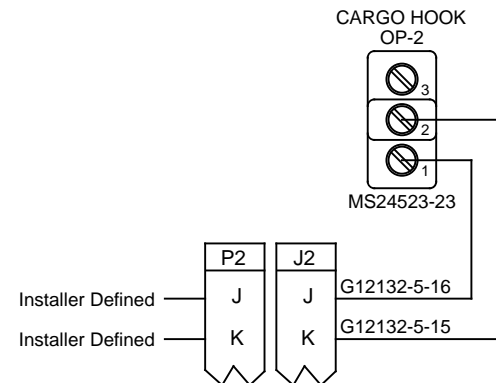
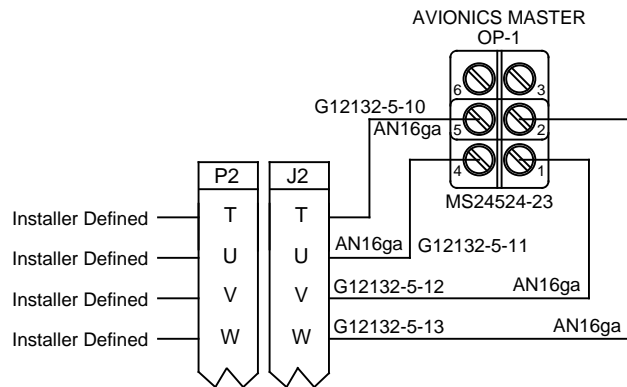
ref: WDM 28.00.00



### SEE G12132-16-073087 FOR SAMPLE OPTIONAL CIRCUITS

The OP-x switches and wiring are optional. If they are installed, they must be labeled to show their function.

**SWITCH CURRENT RATINGS:**  
 MS24523-23: Resistive: 20A, Inductive: 15A, Lamp: 5A  
 MS24524-23: Resistive: 20A, Inductive: 15A, Lamp: 7A



Effectivity: AS350B3 pre-dating mod 350A07-3274

SEE NOTES ON G12132-1

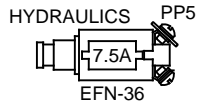
REV	DESCRIPTION	DATE	APROV.
	REVISION		



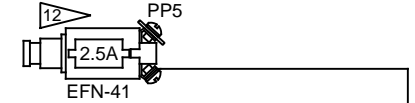
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DRAWN	RBH	DATE	10/10/07	TITLE	SWITCH DETAILS P132 and P122 CONSOLE WIRING
APPROVAL	CLB	DATE	10/10/07	DWG NO.	
PRO NO.	GA107	SHT.	1	REV.	--

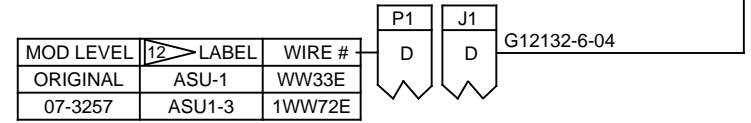
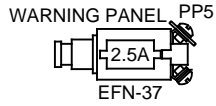
Detailed on G12132-3-073087



ref: WDM 39.00.00  
ref: WDM 31.41.00



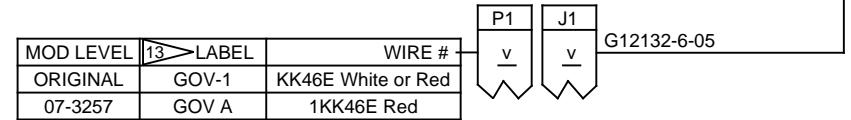
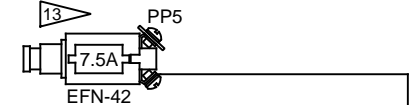
Detailed on G12132-3-073087



MOD LEVEL	12	LABEL	WIRE #
ORIGINAL		ASU-1	WW33E
07-3257		ASU1-3	1WW72E

ref: AEC DWG 350A61-2643-00

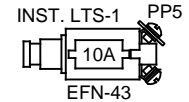
ref: WDM 39.00.00  
ref: WDM 80.00.00  
ref: WDM 80.00.10



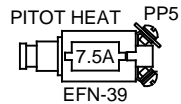
MOD LEVEL	13	LABEL	WIRE #
ORIGINAL		GOV-1	KK46E White or Red
07-3257		GOV A	1KK46E Red

ref: AEC DWG 350A67-0302-00

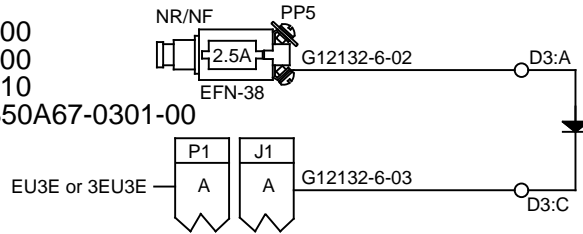
Detailed on G12132-4-073087



Detailed on G12132-5-073087



ref: WDM 39.00.00  
ref: WDM 62.30.00  
ref: WDM 77.00.10  
ref: AEC DWG 350A67-0301-00



Effectivity: AS350B3 pre-dating mod 350A07-3274

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
A	MOVED EFN-37 WIRING OFF PAGE	03/23/09	RBH
REVISION			

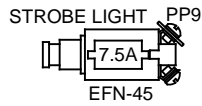
**GENEVA AVIATION**  
www.genevaaviation.com

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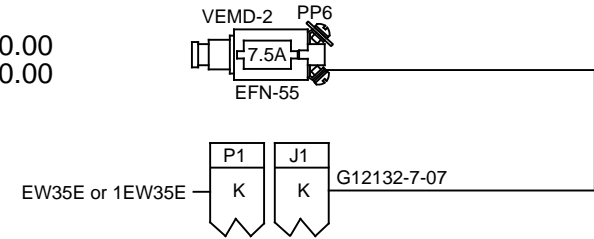
DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-6-073087	REV.	A

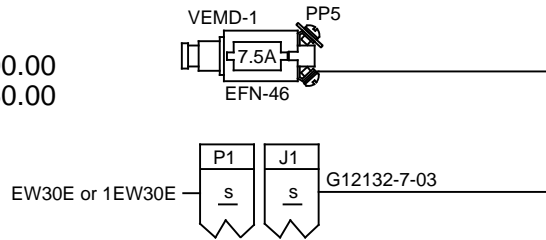
Detailed on G12132-4-073087



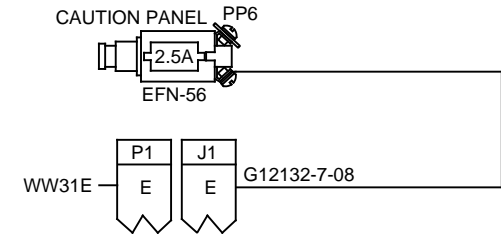
ref: WDM 39.00.00  
ref: WDM 31.60.00



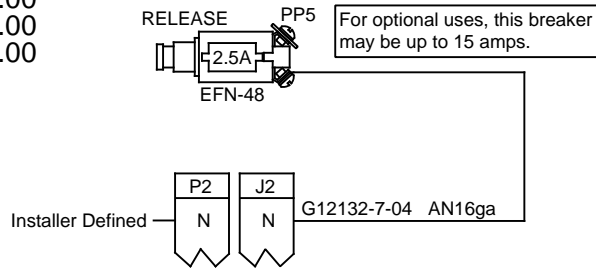
ref: WDM 39.00.00  
ref: WDM 31.60.00



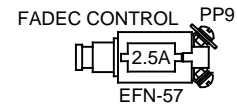
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ref: WDM 31.50.00



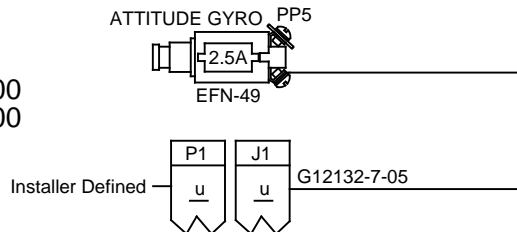
ref: WDM 39.00.00  
ref: WDM 25.63.00  
ref: WDM 25.80.00



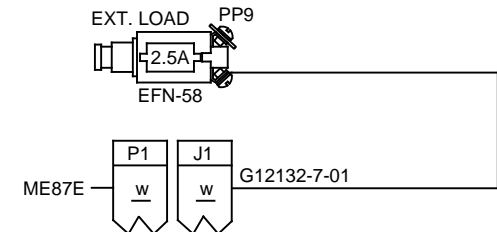
Detailed on G12132-2-073087



ref: WDM 39.00.00  
ref: WDM 34.20.00



ref: WDM 25.80.00



Effectivity: AS350B3 pre-dating mod 350A07-3274

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

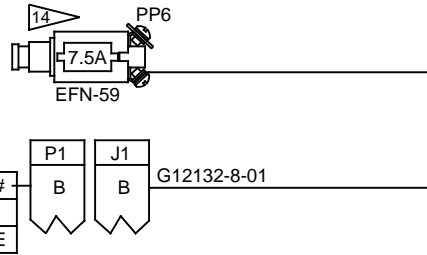


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DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

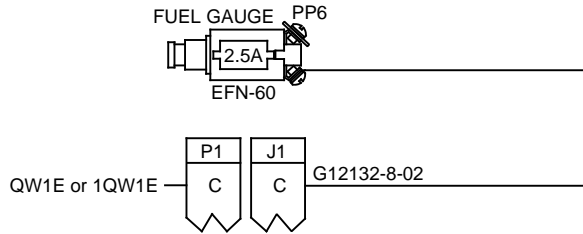
TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-7-073087	REV.	--

ref: WDM 39.00.00  
 ref: WDM 80.00.00  
 ref: WDM 80.00.10



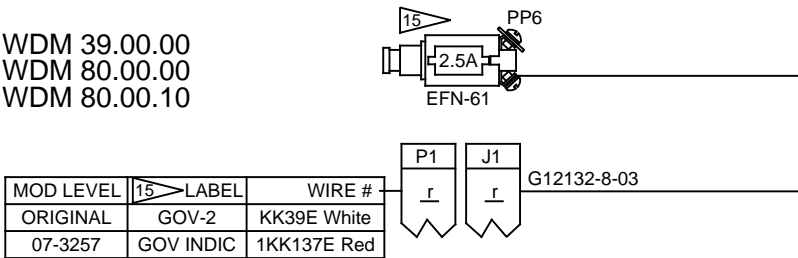
MOD LEVEL	14	LABEL	WIRE #
ORIGINAL		ENGINE	KK51E
07-3257		ENG CTL	1KK51E

ref: WDM 39.00.00  
 ref: WDM 28.00.00



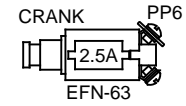
MOD LEVEL	14	LABEL	WIRE #
ORIGINAL		ENGINE	KK51E
07-3257		ENG CTL	1KK51E

ref: WDM 39.00.00  
 ref: WDM 80.00.00  
 ref: WDM 80.00.10



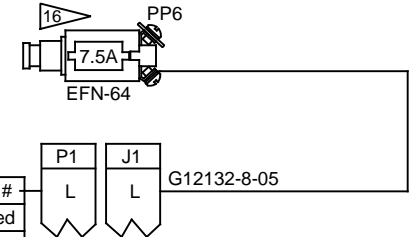
MOD LEVEL	15	LABEL	WIRE #
ORIGINAL		GOV-2	KK39E White
07-3257		GOV INDIC	1KK137E Red

Detailed on G12132-3-073087



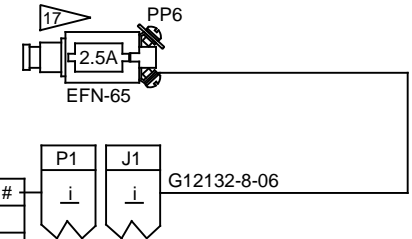
ref: WDM 39.00.00  
 ref: WDM 80.00.10

MOD LEVEL	16	LABEL	WIRE #
ORIGINAL		(SPARE)	Installer defined
07-3257		GOV B	1KK138E Red

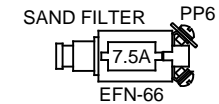


ref: WDM 39.00.00  
 ref: WDM 77.00.00  
 ref: WDM 77.00.10

MOD LEVEL	17	LABEL	WIRE #
ORIGINAL		P. ENGINE	EM35E
07-3257		ENG P.	1EM35E Red



Detailed on G12132-5-073087



Effectivity: AS350B3 pre-dating mod 350A07-3274

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

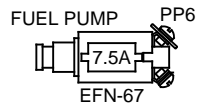


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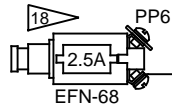
DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-8-073087	REV.	--

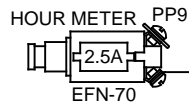
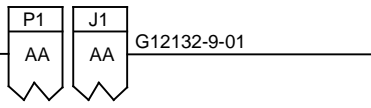
Detailed on G12132-5-073087



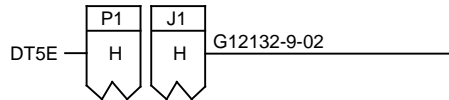
ref: WDM 39.00.00  
ref: WDM 31.41.00



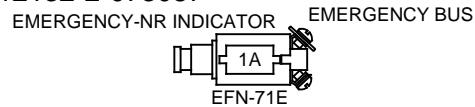
MOD LEVEL	18	LABEL	WIRE #
ORIGINAL		ASU-2	WW34E
07-3257		ASU1-2	1WW34E



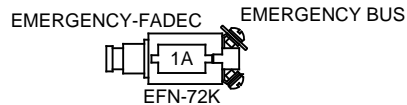
ref: WDM 39.00.00  
ref: WDM 31.31.00



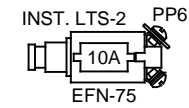
Detailed on G12132-2-073087



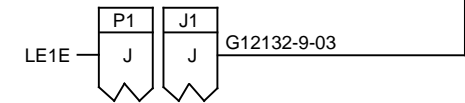
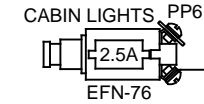
Detailed on G12132-2-073087



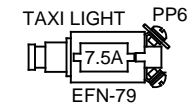
Detailed on G12132-4-073087



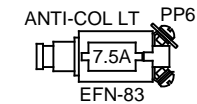
ref: WDM 39.00.00  
ref: WDM 33.10.00



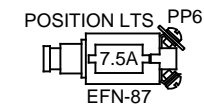
Detailed on G12132-4-073087



Detailed on G12132-4-073087



Detailed on G12132-4-073087



Effectivity: AS350B3 pre-dating mod 350A07-3274

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

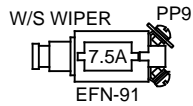


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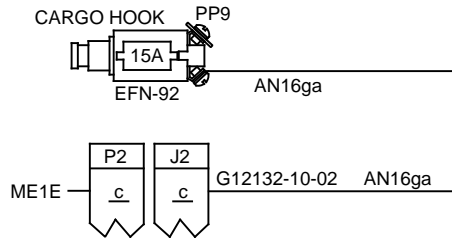
DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-9-073087	REV.	--

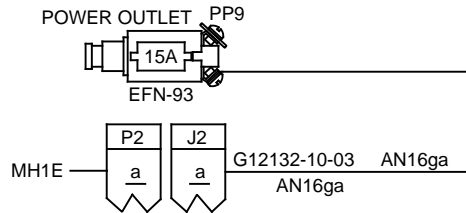
Detailed on G12132-5-073087



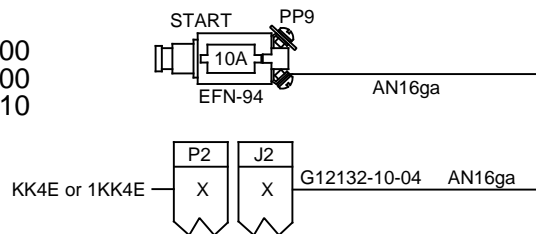
ref: WDM 39.00.00  
ref: WDM 25.80.00



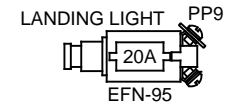
ref: WDM 25.26.00



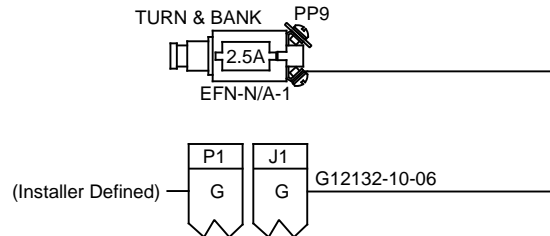
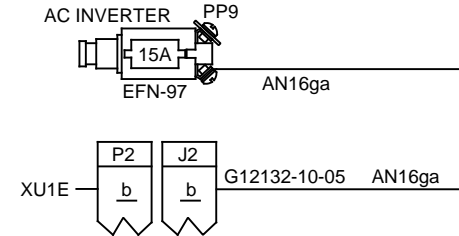
ref: WDM 39.00.00  
ref: WDM 80.00.00  
ref: WDM 80.00.10



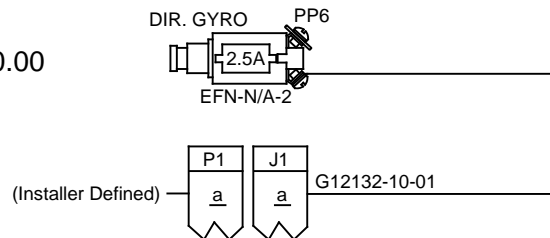
Detailed on G12132-4-073087



ref: WDM 39.00.00  
ref: WDM 24.22.00



ref: WDM 34.20.00



Effectivity: AS350B3 pre-dating mod 350A07-3274

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

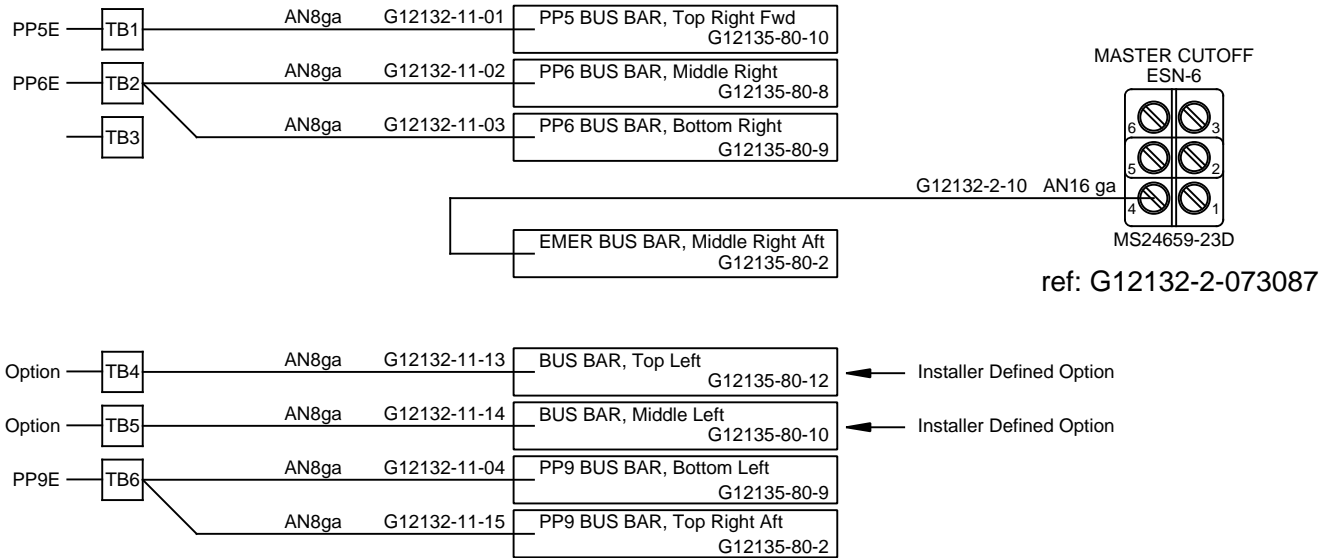


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DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING	
DWG NO.	G12132-10-073087	
REV.	--	

ref: WDM 24.30.00



### Primary Power to Circuit Breakers

Effectivity: AS350B3 pre-dating mod 350A07-3274

SEE NOTES ON G12132-1

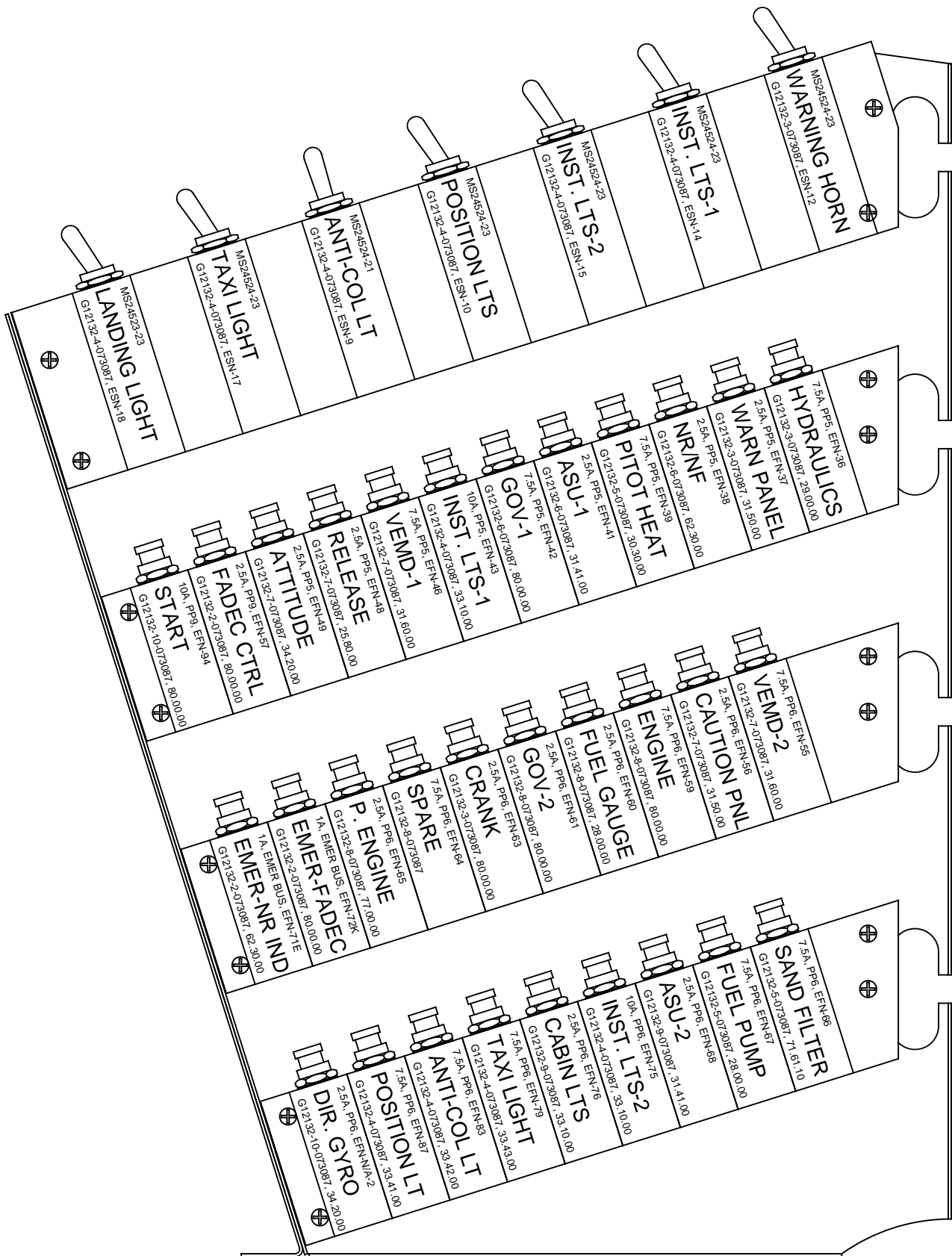
REV	DESCRIPTION	DATE	APROV.
	REVISION		



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DRAWN	RBH	DATE	10/10/07
APPROVAL	RBH	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	BUS BAR DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-11-073087	REV.	--



FWD

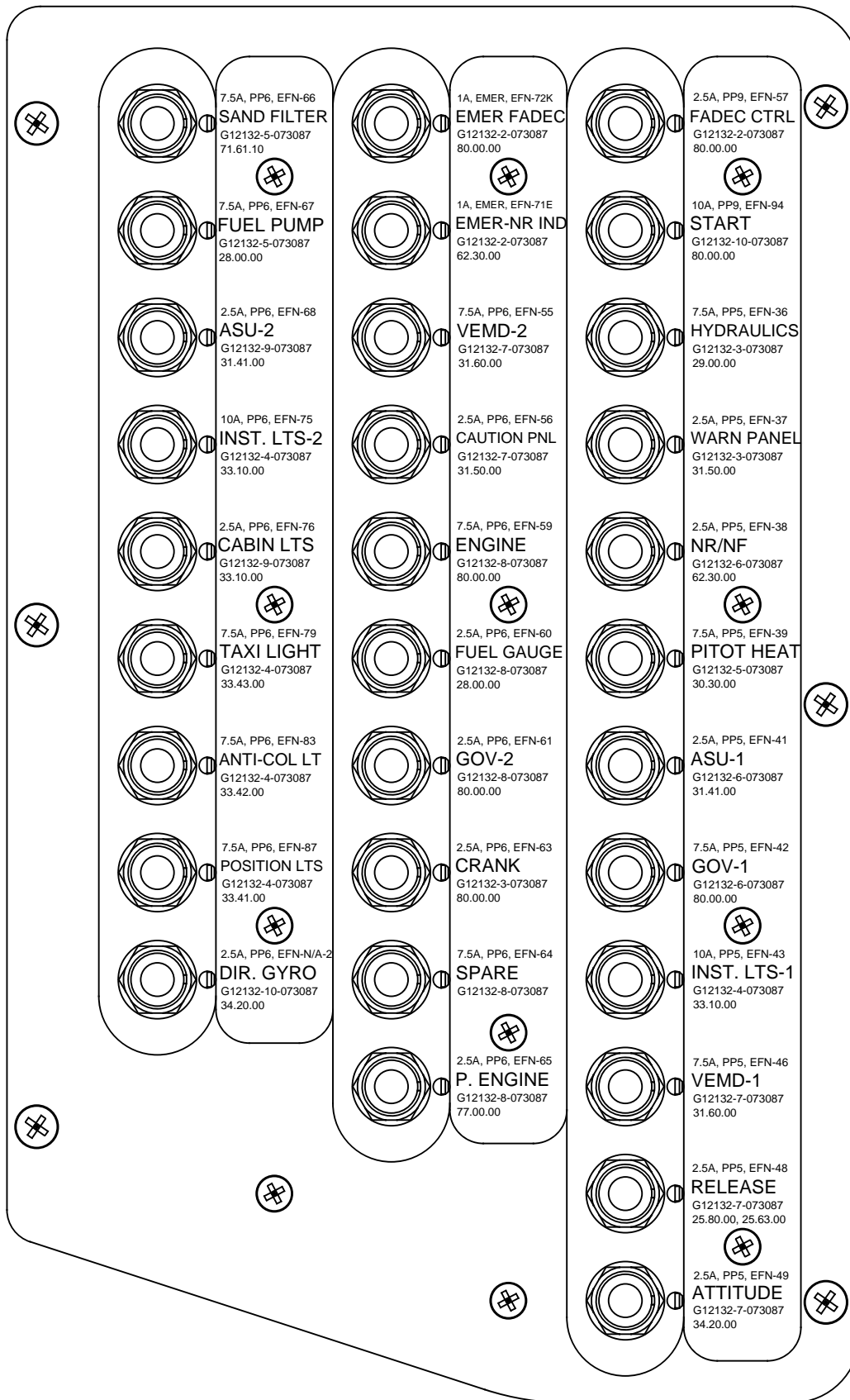
Effectivity: AS350B3 - Predating  
Mod 350A07-3257



REV	DESCRIPTION	DATE	APPROV.
B	CHANGED EFN-37 WIRING PAGE	03/23/09	RBH
A	FIXED EFN-71E WDM REFERENCE	05/06/08	RBH
REV	DESCRIPTION	DATE	APPROV.
REVISION			

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DESIGNED	RBH	DATE	10/10/07
DRAWN	RBH	DATE	10/10/07
CHECKED	GA	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE		CONSULE BREAKER LAYOUT	
P132 RIGHT SIDE VIEW for AS350B3			
DWG NO.	G12132-13-073087	REV.	B



Effectivity: AS350B3 - Predating  
Mod 350A07-3257

FWD →

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AVIATION

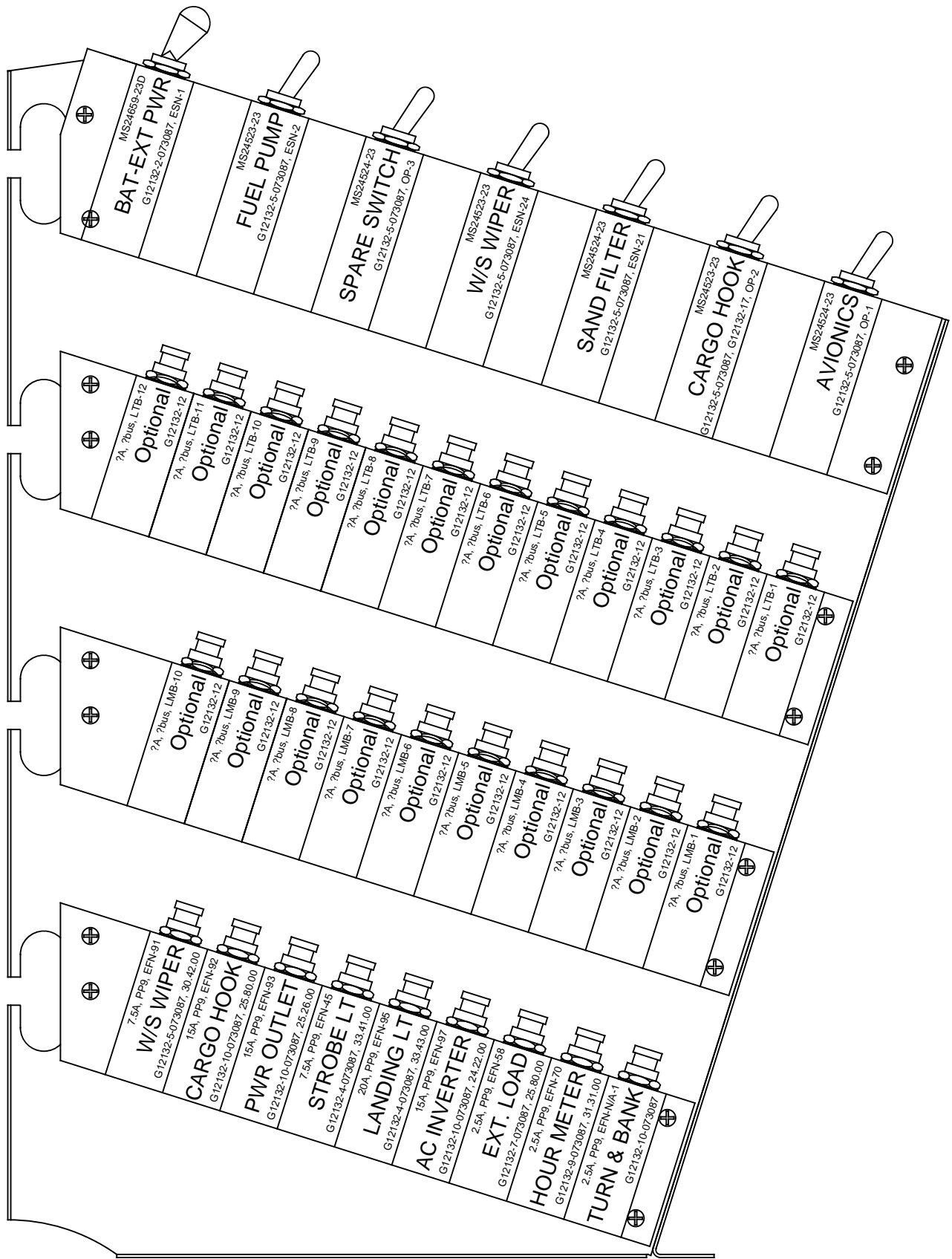
www.genevaaviation.com

REV	DESCRIPTION	DATE	APPROV.
B	CHANGED EFN-37 WIRING PAGE	03/23/09	RBH
A	FIXED EFN-71E WDM REFERENCE	05/06/08	RBH
REV	REVISION		

DESIGNED	RBH	DATE	10/10/07
DRAWN	RBH	DATE	10/10/07
CHECKED	GA	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	DWG NO.	REV.
CONSOLE BREAKER LAYOUT P122 RIGHT SIDE VIEW for AS350B3	G12132-13-073087-P122	B

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Effectivity: AS350B3 Predating  
Mod 350A07-3274

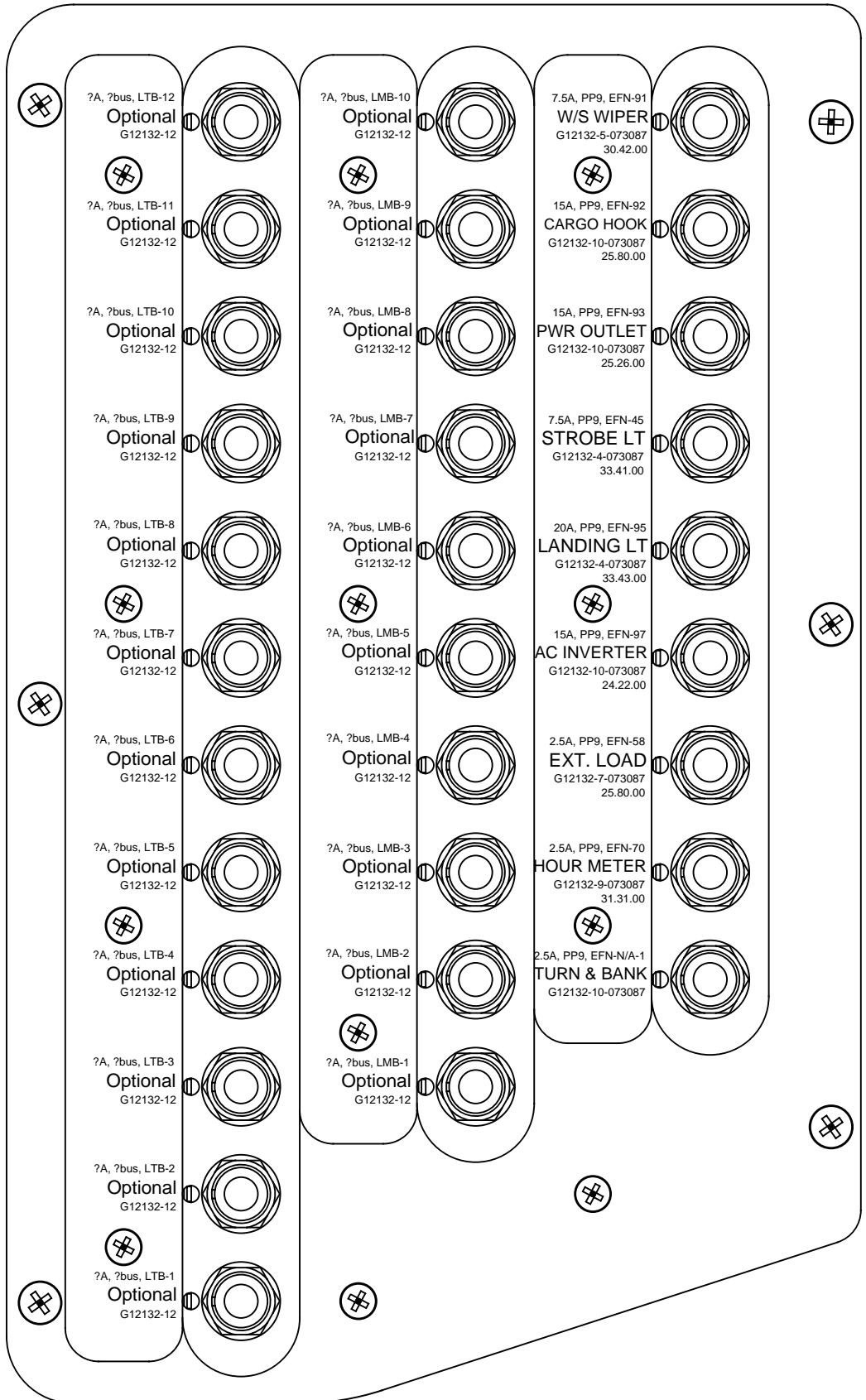


DESIGNED	RBH	DATE	10/10/07
DRAWN	RBH	DATE	10/10/07
CHECKED	GA	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CONSOLE BREAKER LAYOUT P132 LEFT SIDE VIEW for AS350B3
DWG NO.	G12132-14-073087
REV.	--

REV	DESCRIPTION	DATE	APPROV.
	REVISION		

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Effectivity: AS350B3 - Predating  
Mod 350A07-3274



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	DRAWN	RBH	DATE	10/10/07
	CHECKED	GA	DATE	10/10/07
	APPROVAL	CLB	DATE	10/10/07
	PRO NO.	GA107	SHT.	1

TITLE		CONSOLE BREAKER LAYOUT	
P122 LEFT SIDE VIEW for AS350B3			
DWG NO.	G12132-14-073087-P122	REV.	--

REV	DESCRIPTION	DATE	APPROV.
	REVISION		

MS24659-23D  
**GENERATOR ON**  
 G12132-3-073087, ESN-3

MS24658-23D  
**HYD TEST**  
 G12132-3-073087, ESN-11

MS27407-3  
**WARN / FIRE TEST**  
 G12132-3-073087, ESN-7

MS24523-26  
**CRANK ENGINE**  
 G12132-3-073087, ESN-5

MS24659-23D  
**MASTER CUTOFF**  
 G12132-2-073087, ESN-6

MS24523-23  
**PITOT HEAT**  
 G12132-5-073087, ESN-13

MS24659-23D  
**BAT-EXT PWR**  
 G12132-2-073087, ESN-1

MS24523-23  
**FUEL PUMP**  
 G12132-5-073087, ESN-2

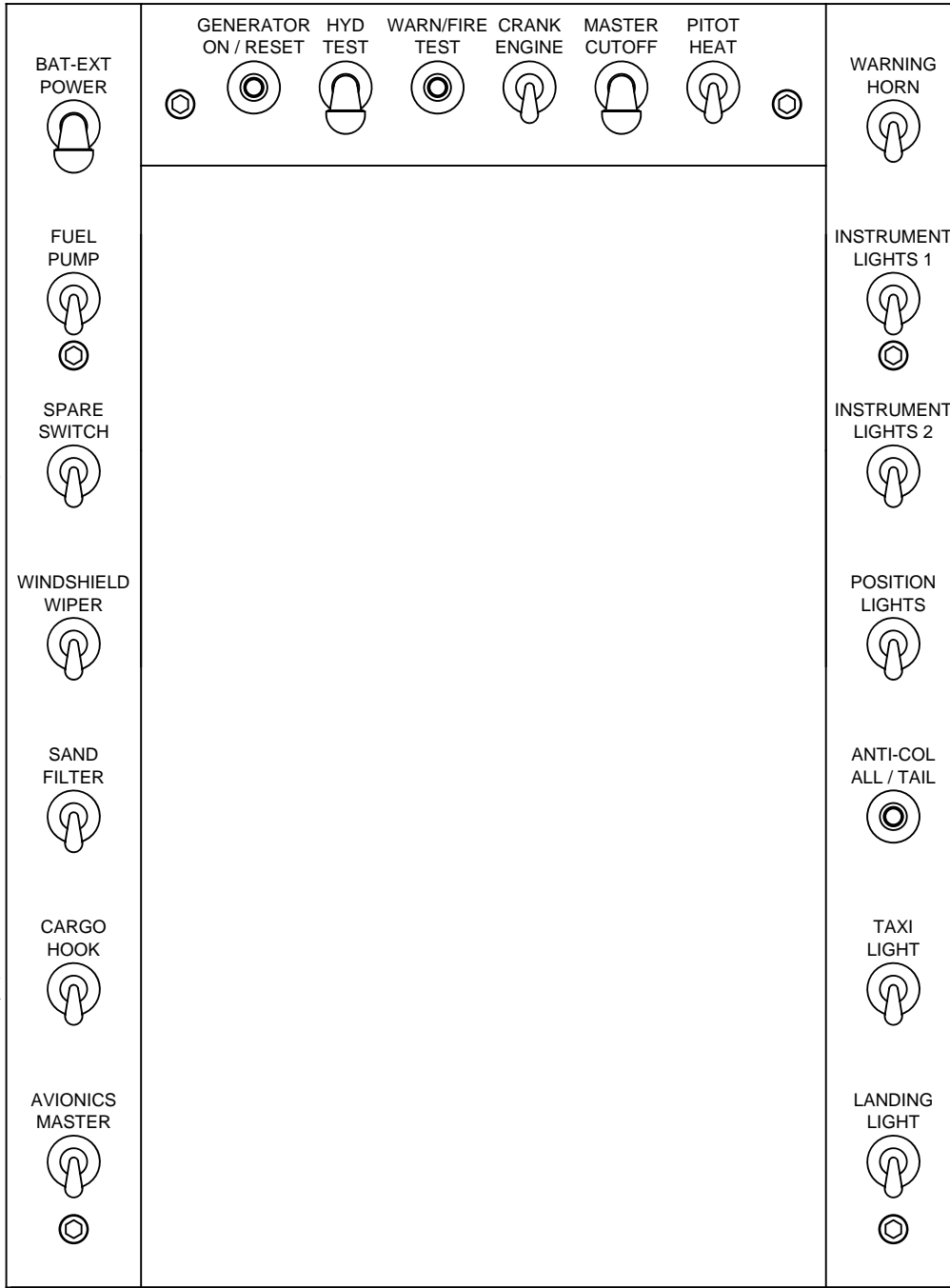
MS24524-23  
**OP-3**  
 G12132-5-073087, OP-3

MS24523-23  
**W/S WIPER**  
 G12132-5-073087, ESN-24

MS24524-23  
**SAND FILTER**  
 G12132-5-073087, ESN-21

MS24523-23  
**CARGO HOOK**  
 G12132-5-073087, OP-2

MS24524-23  
**AVIONICS**  
 G12132-5-073087, OP-1



MS24524-23  
**WARNING HORN**  
 G12132-3-073087, ESN-12

MS24524-23  
**INST. LTS-1**  
 G12132-4-073087, ESN-14

MS24524-23  
**INST. LTS-2**  
 G12132-4-073087, ESN-15

MS24524-23  
**POSITION LTS**  
 G12132-4-073087, ESN-10

MS24524-21  
**ANTI-COL LT**  
 G12132-4-073087, ESN-9

MS24524-23  
**TAXI LIGHT**  
 G12132-4-073087, ESN-17

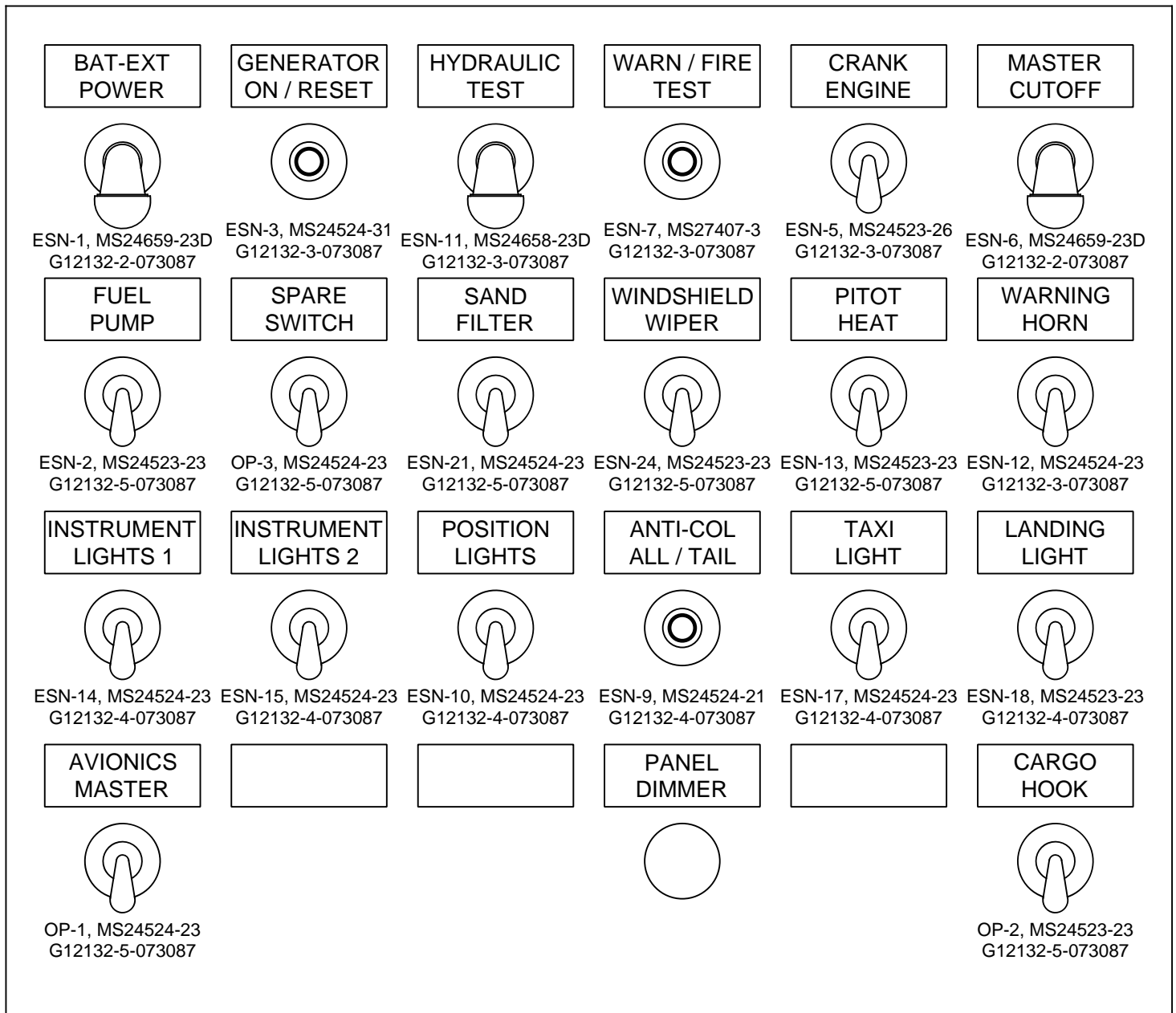
MS24523-23  
**LANDING LIGHT**  
 G12132-4-073087, ESN-18

Effectivity: AS350B3 Predating  
 Mod 350A07-3274



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						DRAWN RBH DATE 10/10/07		
						CHECKED GA DATE 10/10/07	TITLE CONSOLE SWITCH LAYOUT P132 TOP VIEW for AS350B3	
						APPROVAL CLB DATE 10/10/07		
						PRO NO. GA107	SHT. 1	DWG NO. G12132-15-073087
								REV. A
A	CHANGED ESN-7 SWITCH TYPE	03/23/09	RBH					
REV	DESCRIPTION	DATE	APROV.					
REVISION								

# P122 CONSOLE LAYOUT



Effectivity: AS350B3 Predating  
Mod 350A07-3274

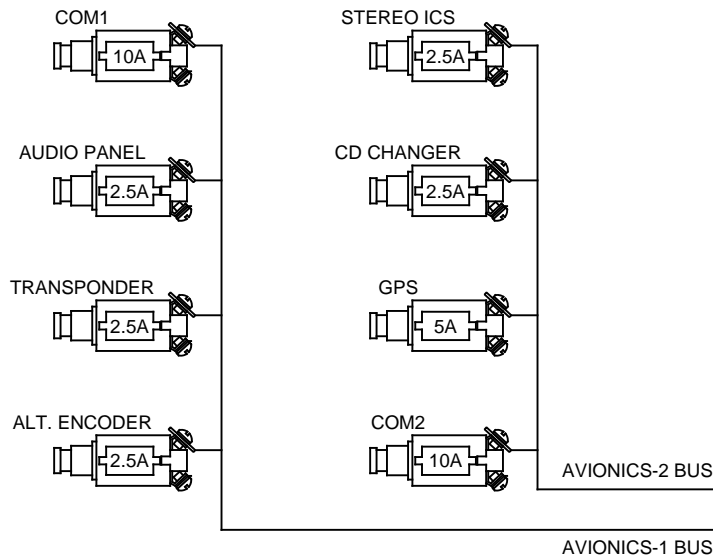


				THIS DOCUMENT INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.	DESIGNED	RBH	DATE	10/10/07	TITLE <b>CONSOLE SWITCH LAYOUT</b> P122 TOP VIEW for AS350B3 DWG NO. G12132-15-073087-P122
					DRAWN	RBH	DATE	10/10/07	
					CHECKED	GA	DATE	10/10/07	
					APPROVAL	CLB	DATE	10/10/07	
					PRO NO.	GA107	SHT.	1	
REV	DESCRIPTION	DATE	APPROV.					DWG NO.	REV.
A	CHANGED ESN-7 SWITCH TYPE	03/23/09	RBH					G12132-15-073087-P122	A
REVISION									

# SAMPLE OPTIONAL CIRCUITS

More samples on G12132-17-073087

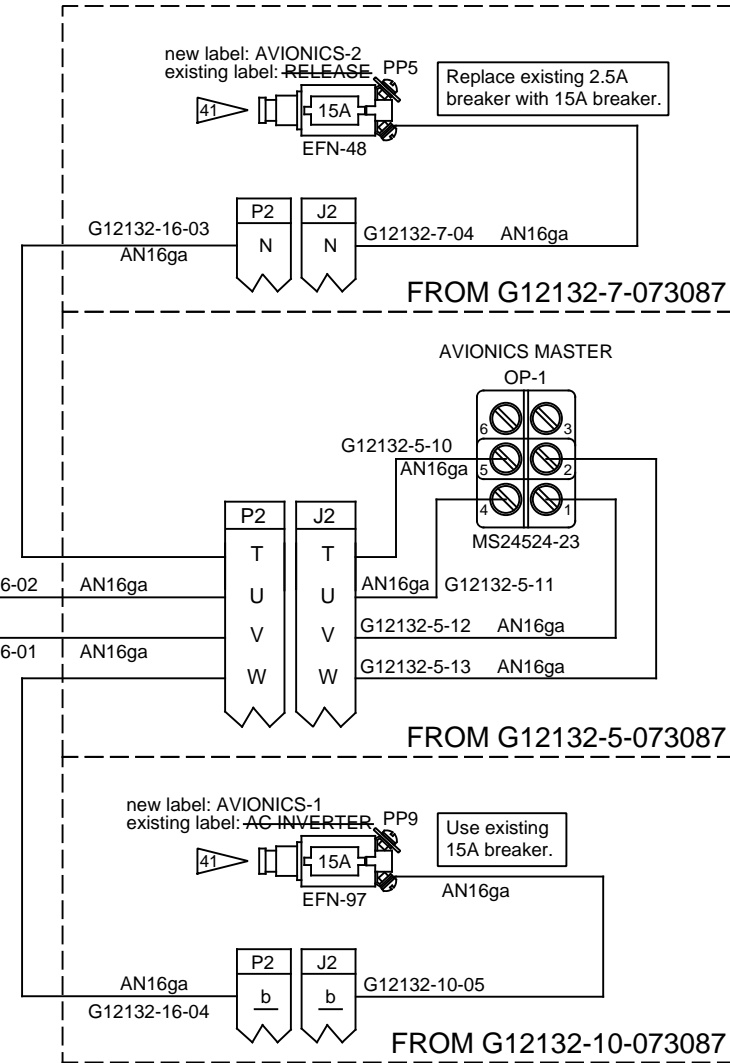
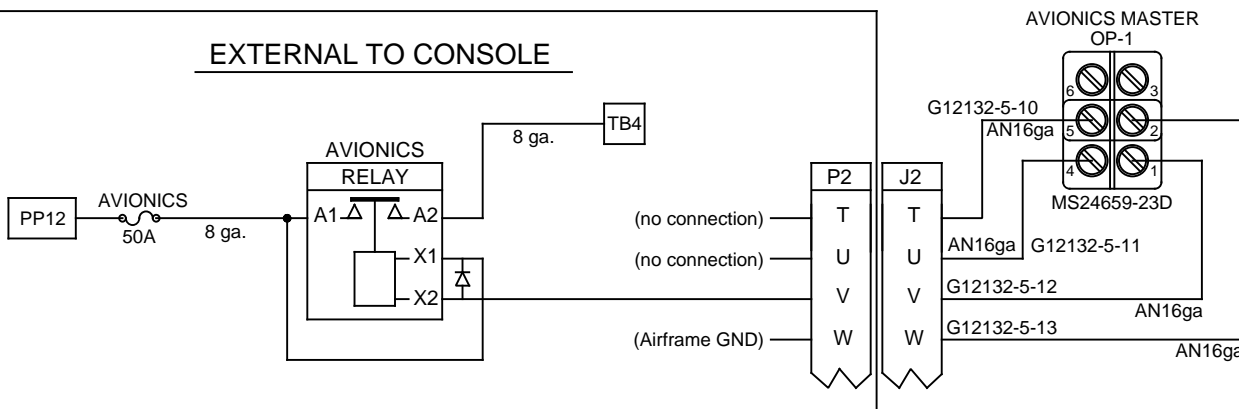
Avionics breakers may be mounted in the Optional rails, or in an installer-defined location outside the console.



Sample AVIONICS circuit

## Sample AVIONICS MASTER circuit

### EXTERNAL TO CONSOLE



41 Alternatively, separate AVIONICS-1 and AVIONICS-2 bus breakers may be mounted in the optional rails, or in an installer-defined location outside the console, and powered separately.

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		



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DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	AVIONICS SAMPLE CIRCUIT P132 and P122 CONSOLE WIRING
DWG NO.	G12132-16-073087
REV.	--

# SAMPLE OPTIONAL CIRCUITS

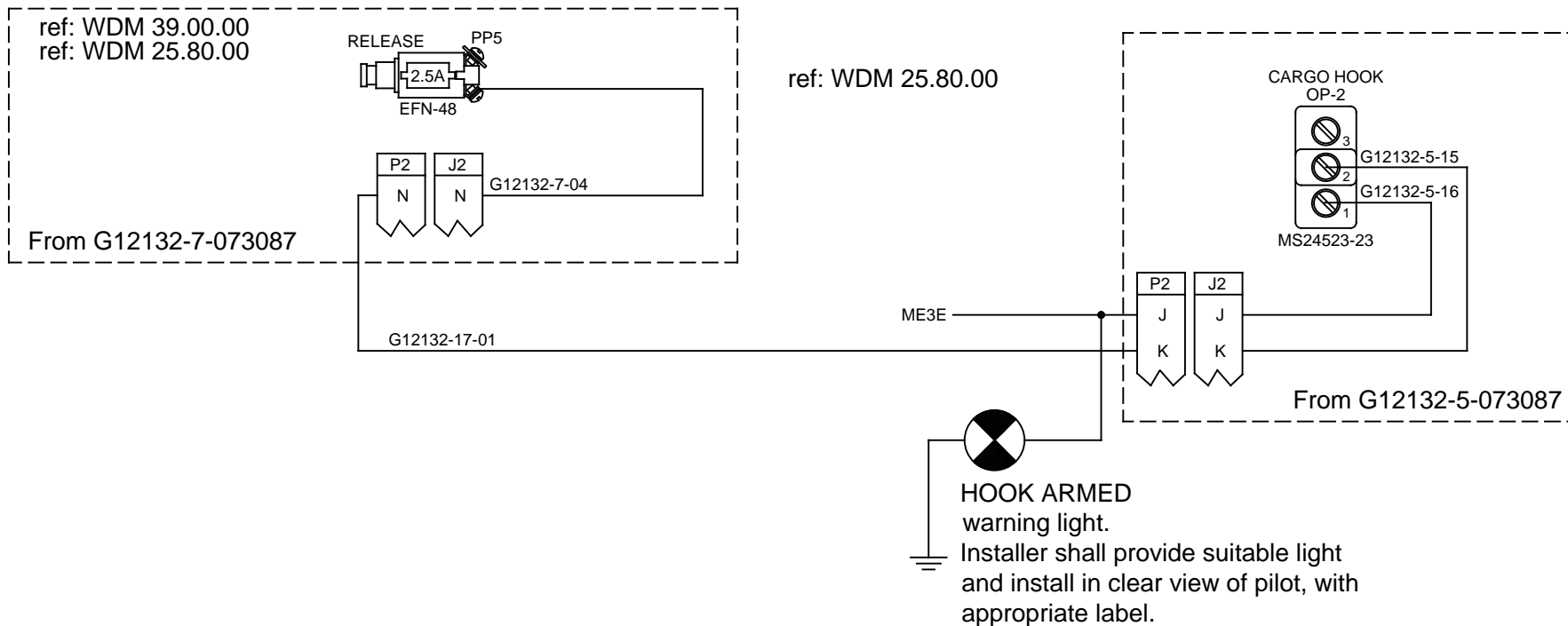
More samples on G12132-18-073087

## SWITCH CURRENT RATINGS:

MS24523-23: Resistive: 20A, Inductive: 15A, Lamp: 5A

MS24524-23: Resistive: 20A, Inductive: 15A, Lamp: 7A

### Sample CARGO HOOK circuit



Effectivity: AS350B3 pre-dating mod 350A07-3274

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

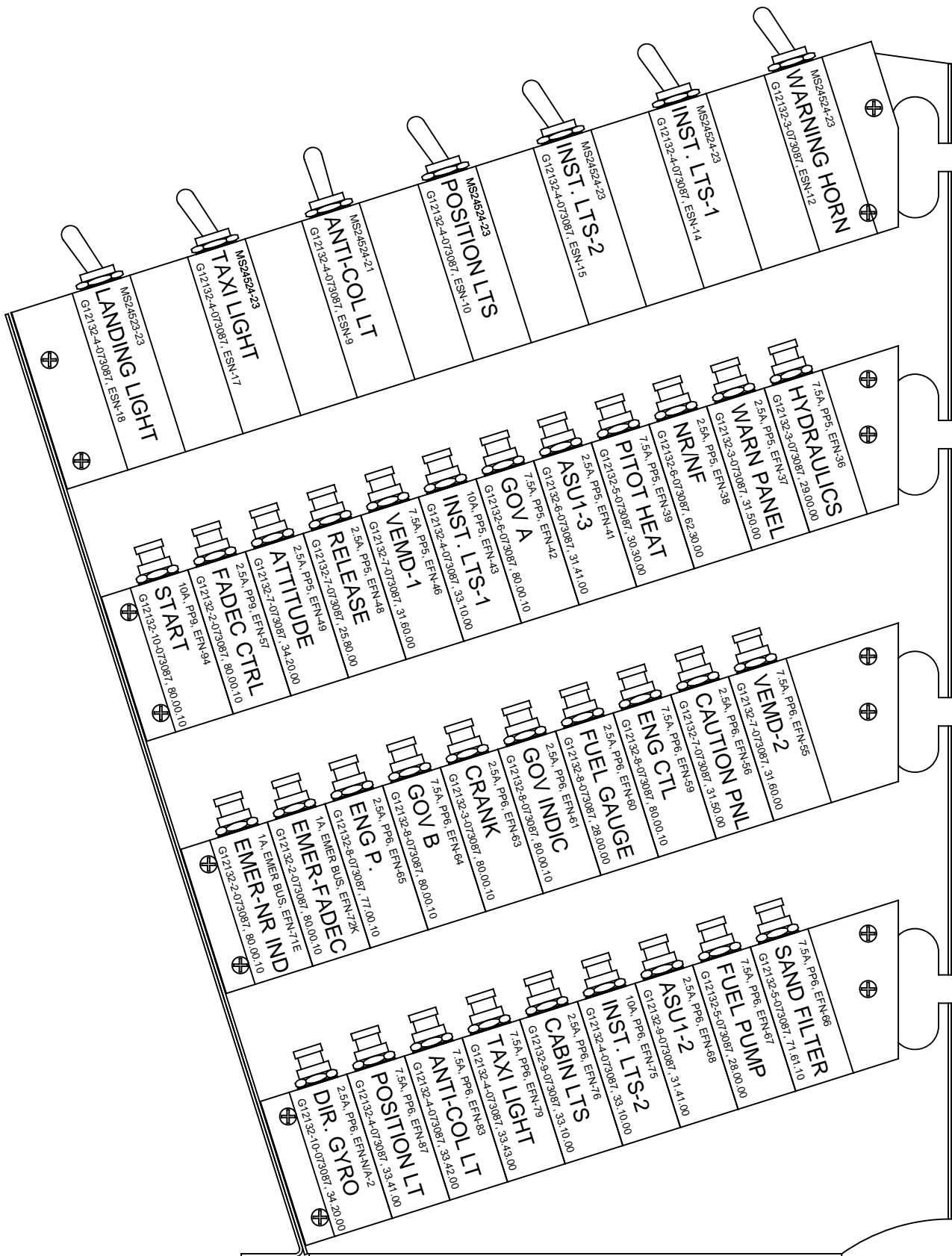


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DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CARGO HOOK SAMPLE CIRCUIT P132 and P122 CONSOLE WIRING
DWG NO.	G12132-17-073087
REV.	--





**FWD** →

Effectivity: AS350B3 Embodying  
Mod 350A07-3257



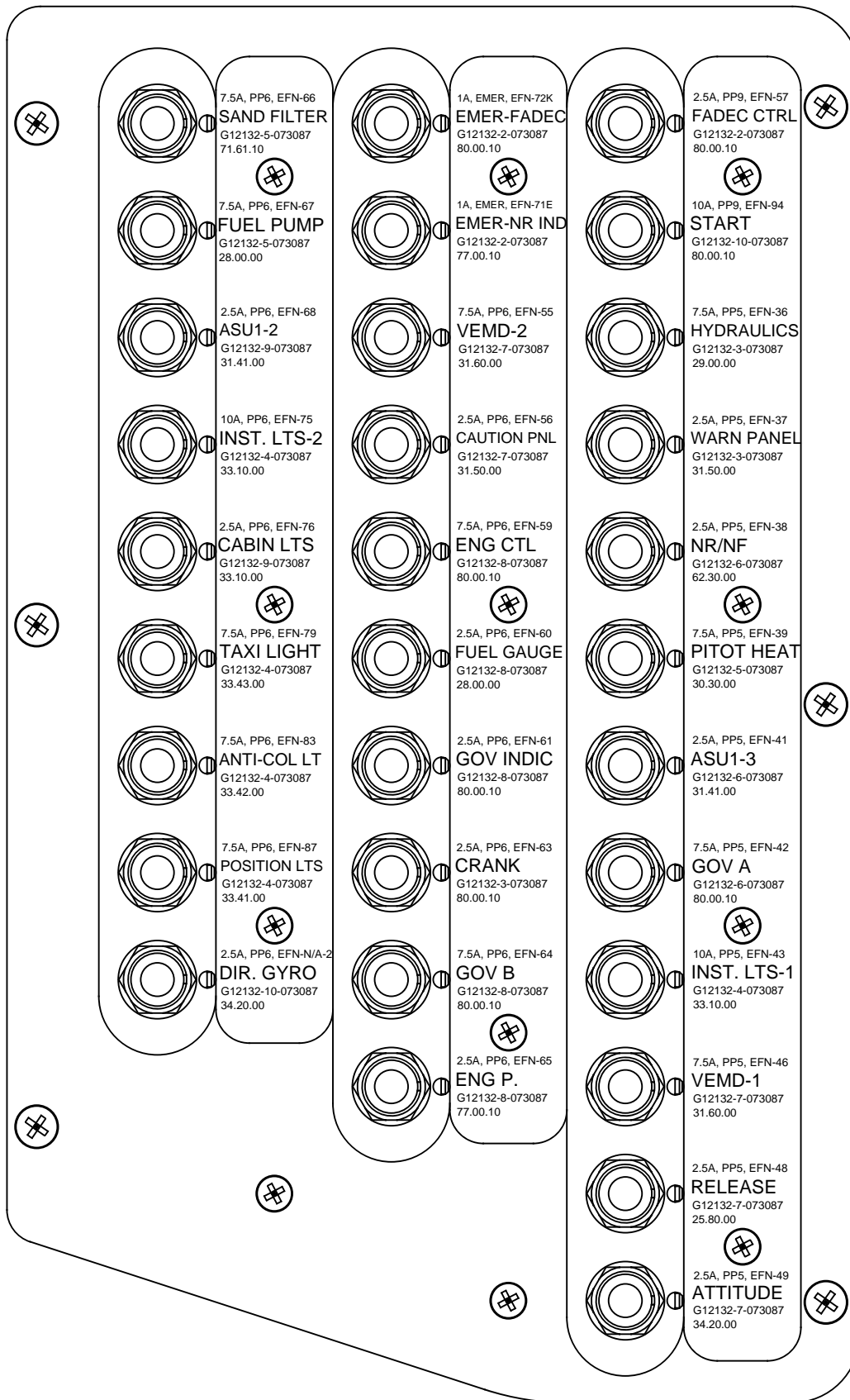
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REV	DESCRIPTION	DATE	APPROV.
A	CHANGED EFN-37 WIRING PAGE	03/23/09	RBH

DESIGNED	RBH	DATE	10/10/07
DRAWN	RBH	DATE	10/10/07
CHECKED	GA	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CONSOLE BREAKER LAYOUT	
TITLE	P132 RIGHT SIDE VIEW for AS350B3	
DWG NO.	G12132-13-073257	REV. A

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**FWD**

Effectivity: AS350B3 Embodying  
Mod 350A07-3257



REV	DESCRIPTION	DATE	APROV.
B	CHANGED EFN-37 WIRING PAGE	03/23/09	RBH
A	FIXED EFN-63 WDM REFERENCE	05/06/08	RBH
REVISION			

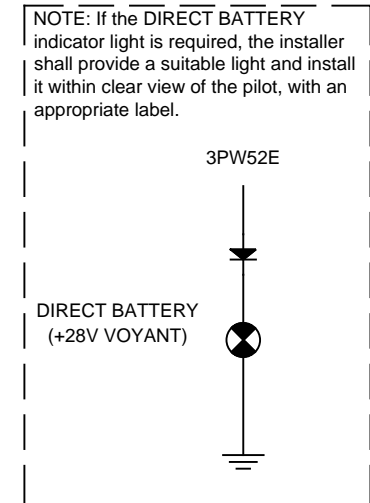
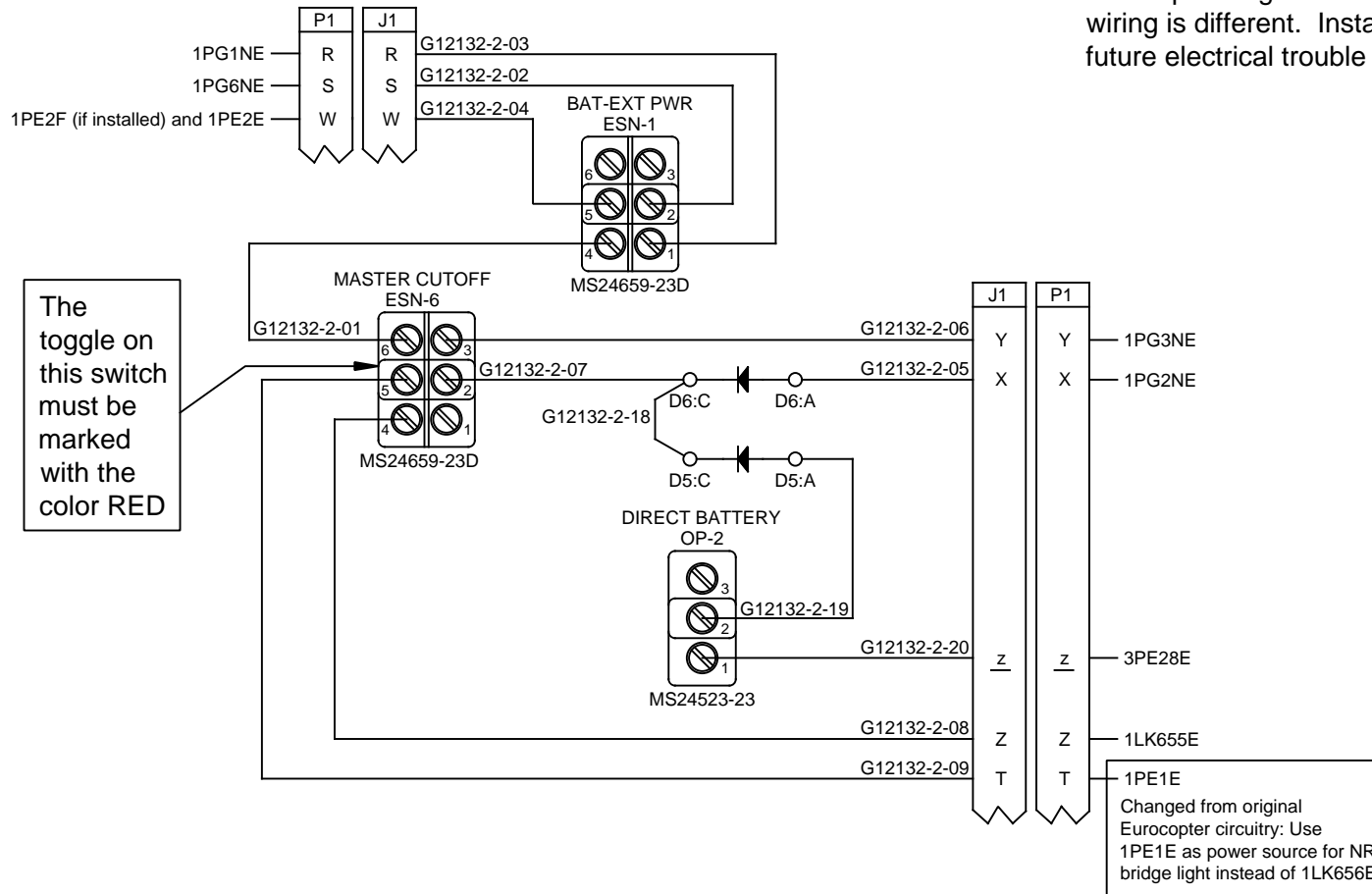
THIS DOCUMENT INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.				DESIGNED	RBH	DATE	10/10/07
				DRAWN	RBH	DATE	10/10/07
				CHECKED	GA	DATE	10/10/07
				APPROVAL	CLB	DATE	10/10/07
				PRO NO.	GA107	SHT.	1

TITLE	CONSOLE BREAKER LAYOUT		
	P122 RIGHT SIDE VIEW for AS350B3		
DWG NO.	G12132-13-073257-P122	REV.	B

ref: AEC DWG 350A62-4100-00  
 ref: AEC DWG 350A62-4101-00  
 ref: AEC DWG 350A64-7274-00  
 ref: WDM 24.30.00

**NOTICE:**

The circuitry related to the BAT-EXT PWR switch and the MASTER ELECTRICAL CUTOFF switch has been changed from the Eurocopter original circuitry. The functions are the same, but the wiring is different. Install using this wiring, and use this drawing for future electrical trouble shooting.



Effectivity: AS350B2 embodying mod 350A07-3273

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APPROV.
A	ADDED AIRFRAME WIRE 1PE2F	03/04/10	RBH
REVISION			



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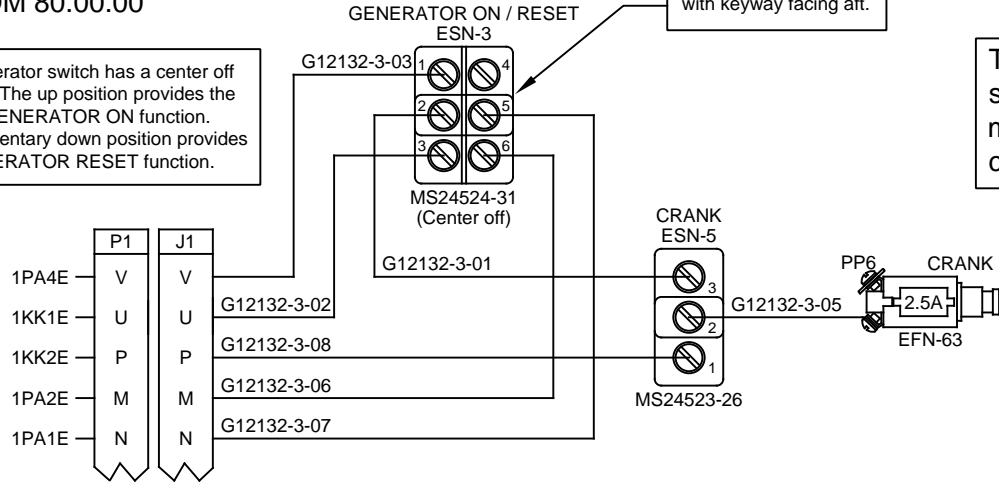
DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	SWITCH DETAILS for B2 P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-2-073273	REV.	A

ref: AEC DWG 350A62-4100-00  
 ref: AEC DWG 350A67-2688-00  
 ref: WDM 24.30.00  
 ref: WDM 80.00.00

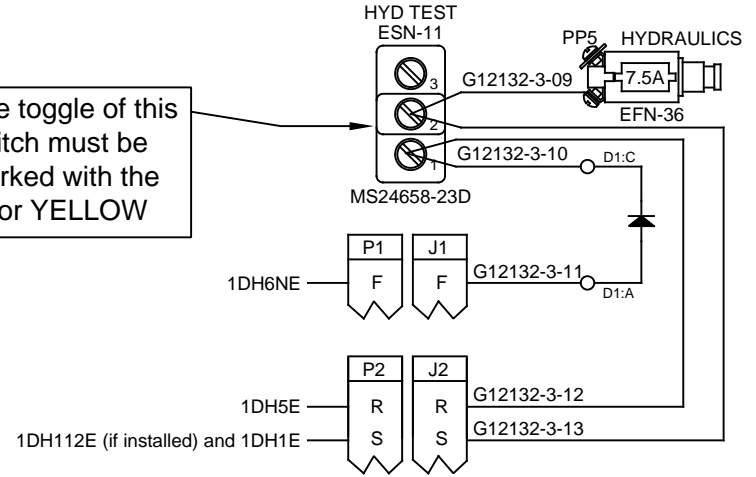
NOTE:  
 This switch is installed  
 with keyway facing aft.

The Generator switch has a center off position. The up position provides the normal GENERATOR ON function. The momentary down position provides the GENERATOR RESET function.



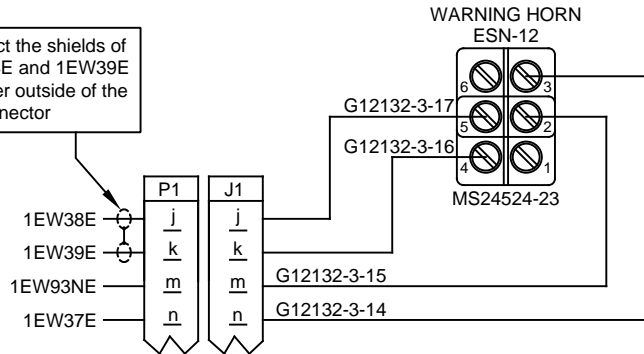
The toggle of this switch must be marked with the color YELLOW

ref: AEC DWG 350A67-6092-00  
 ref: WDM 29.00.00



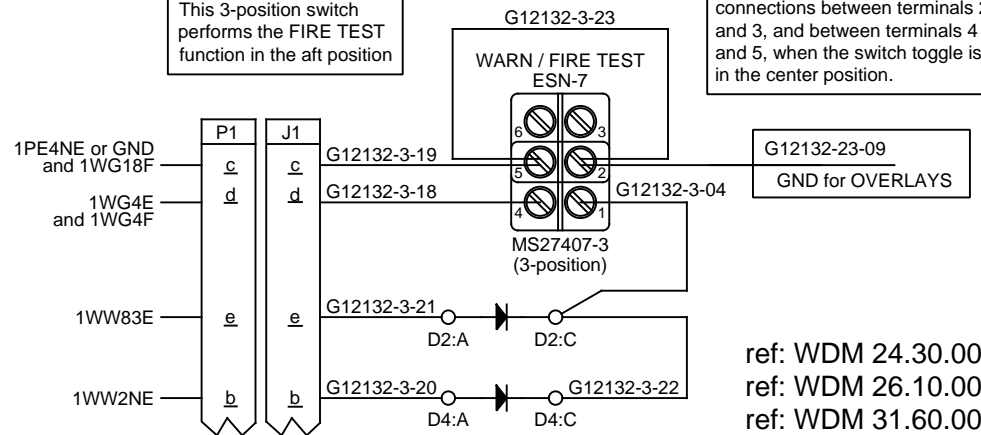
ref: AEC DWG 350A67-4154-00  
 ref: WDM 62.30.00

Connect the shields of 1EW38E and 1EW39E together outside of the P1 connector



This 3-position switch performs the FIRE TEST function in the aft position

NOTE: ESN-7 maintains connections between terminals 2 and 3, and between terminals 4 and 5, when the switch toggle is in the center position.



ref: WDM 24.30.00  
 ref: WDM 26.10.00  
 ref: WDM 31.60.00  
 ref: AEC DWG 350A67-2685-00  
 ref: AEC DWG 350A67-4166-00

REV	DESCRIPTION	DATE	APPROV.
F	CORRECTED WARN/FIRE SWITCH	03/03/17	GA
E	WIRING CHANGE FOR EASB 26.00.02	12/05/12	GA
D	ADDED SHIELD NOTE FOR ESN-12 AIRFRAME WIRES; ADDED WIRE DH112E TO HYDRAULICS CIRCUIT; ADDED EFN-7 NOTES	03/04/10	RBH
C	CHANGED ESN-7 TYPE & WIRING	03/23/09	RBH
B	ADDED ESN-11 COLOR CODING	09/25/08	RBH
A	CORRECTED HORN SWITCH WIRING	05/06/08	RBH
REV	DESCRIPTION	DATE	APPROV.
REVISION			

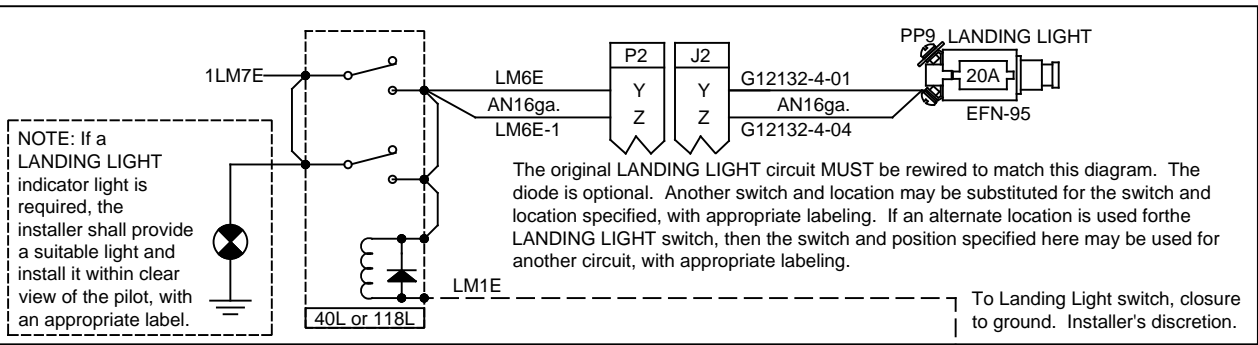


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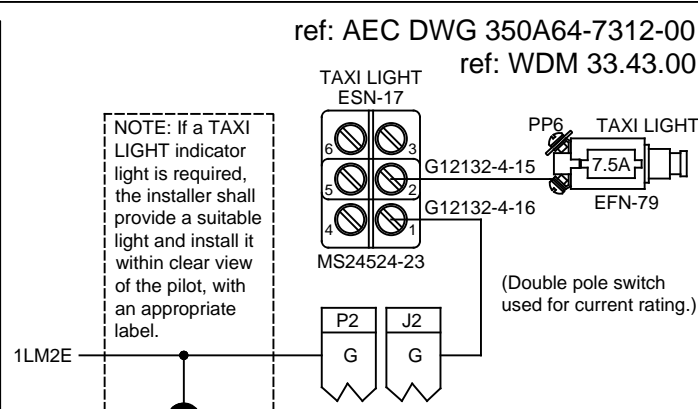
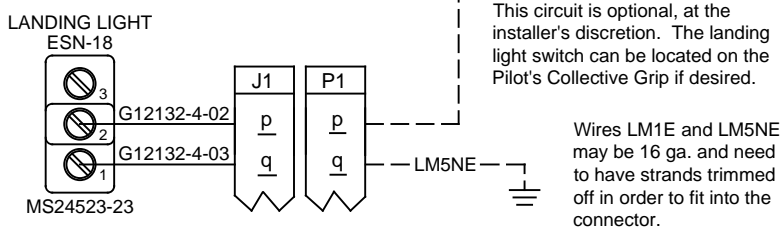
DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	SWITCH DETAILS		
	P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-3-073273	REV.	F

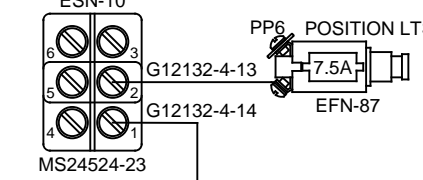
SEE NOTES ON G12132-1



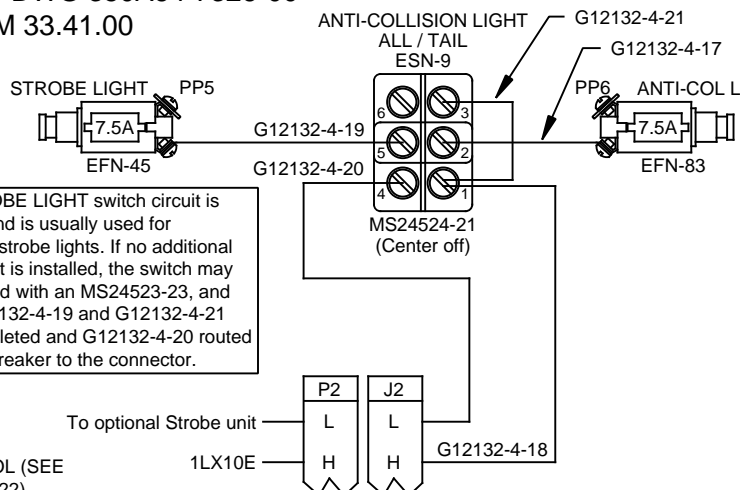
ref: AEC DWG 350A73-5881  
ref: WDM 33.43.00



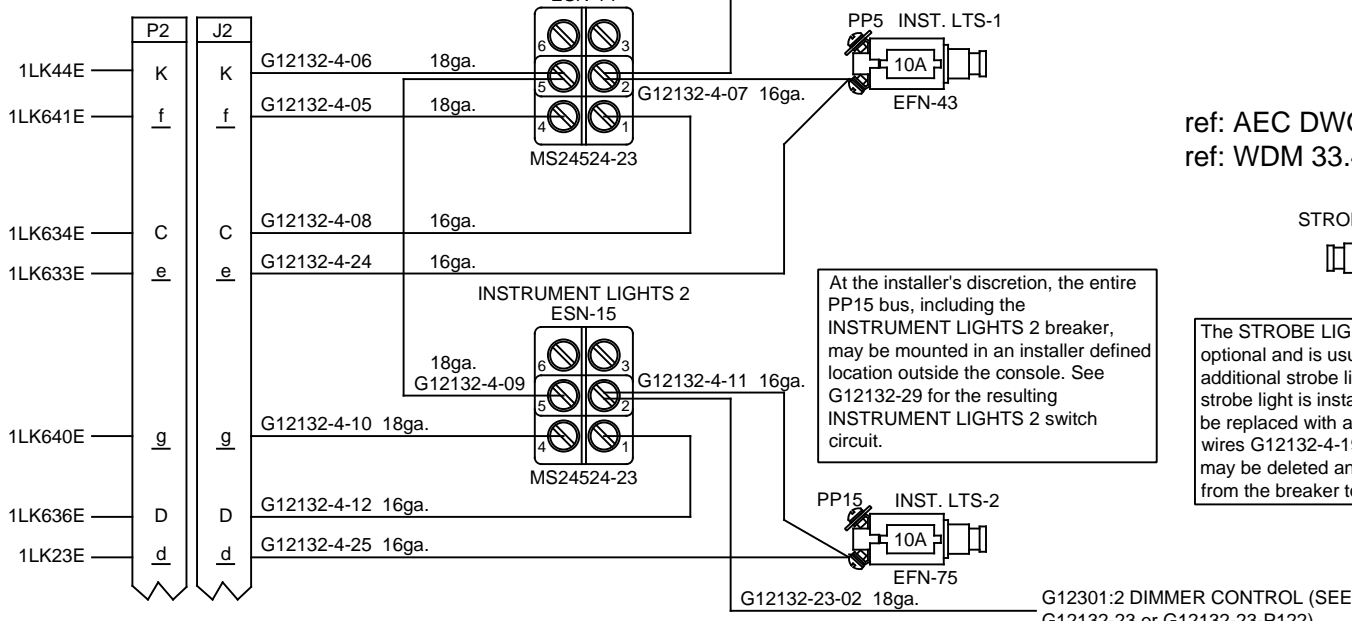
ref: AEC DWG 350A64-7309-00  
ref: WDM 33.41.00



ref: AEC DWG 350A64-7308-00  
ref: WDM 33.42.00



ref: AEC DWG 350A64-7307-00  
ref: WDM 33.10.00



Effectivity: AS350B2 embodying mod 350A07-3273

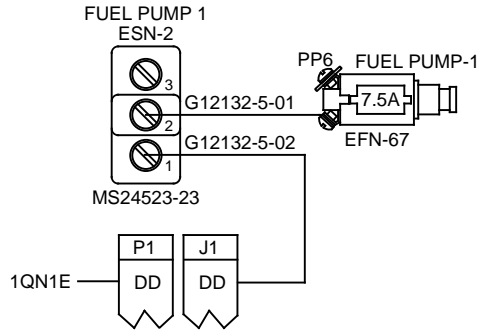
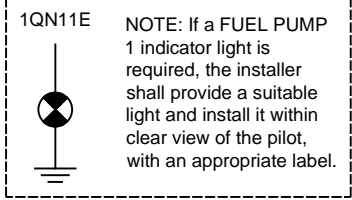
SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

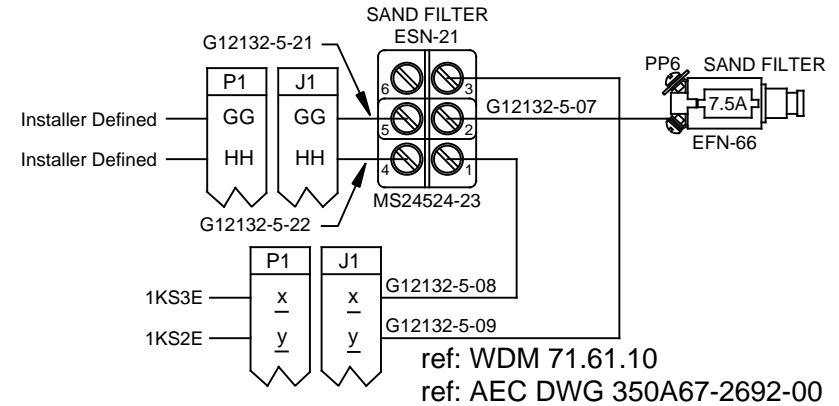
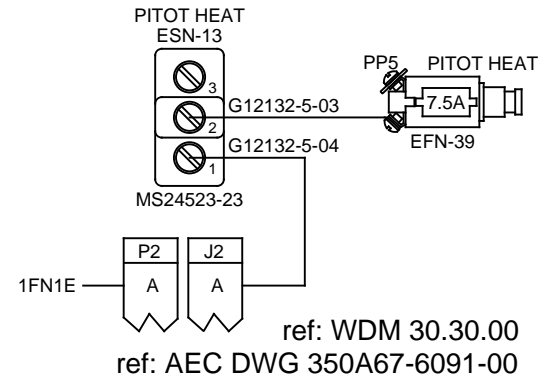
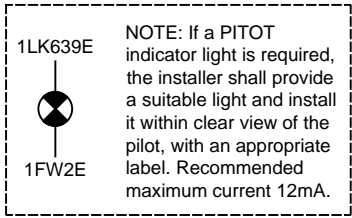
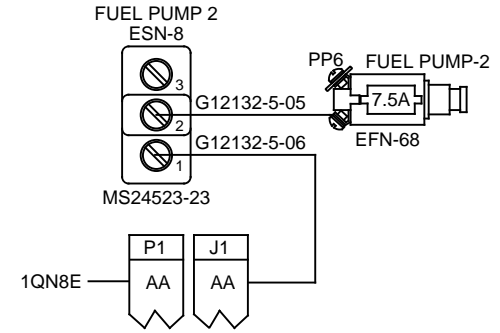
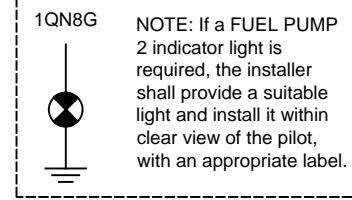


THIS DRAWING INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.		DRAWN RBH	DATE 10/10/07	TITLE LIGHTING CIRCUITS
		APPROVAL CLB	DATE 10/10/07	P132 and P122 CONSOLE WIRING
		PRO NO. GA107	SHT. 1	DWG NO. G12132-4-073273
				REV. --

ref: AEC DWG 350A73-2686-00  
ref: WDM 28.00.00



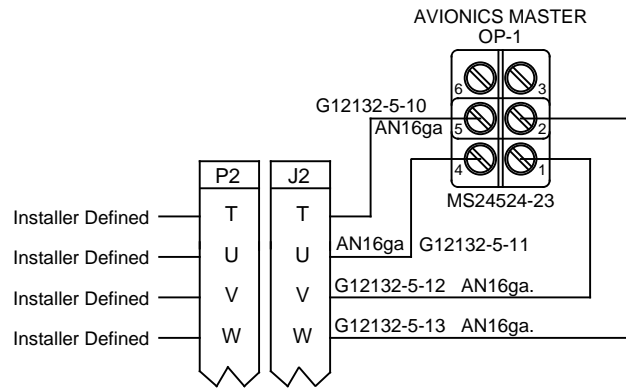
ref: AEC DWG 350A73-4143-00  
ref: WDM 28.00.00



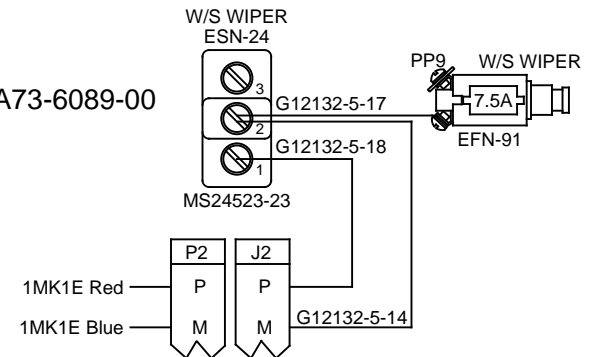
SEE G12132-16-073273 FOR SAMPLE OPTIONAL CIRCUITS

The OP-x switches and wiring are optional. If they are installed, they must be labeled to show their function.

SWITCH CURRENT RATINGS:  
MS24523-23: Resistive: 20A, Inductive: 15A, Lamp: 5A  
MS24524-23: Resistive: 20A, Inductive: 15A, Lamp: 7A



ref: AEC DWG 350A73-6089-00  
ref: WDM 30.42.00



Effectivity: AS350B2 embodying mod 350A07-3273

SEE NOTES ON G12132-1

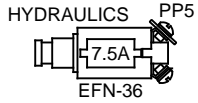
REV	DESCRIPTION	DATE	APPROV.
A	ADDED PITOT INDICATOR LIGHT	03/04/10	RBH
REVISION			



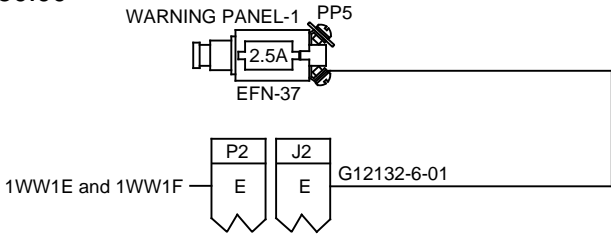
THIS DRAWING INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.

DRAWN	RBH	DATE	10/10/07	TITLE
APPROVAL <td>CLB <td>DATE <td>10/10/07 <td>SWITCH DETAILS for B2 P132 and P122 CONSOLE WIRING</td> </td></td></td>	CLB <td>DATE <td>10/10/07 <td>SWITCH DETAILS for B2 P132 and P122 CONSOLE WIRING</td> </td></td>	DATE <td>10/10/07 <td>SWITCH DETAILS for B2 P132 and P122 CONSOLE WIRING</td> </td>	10/10/07 <td>SWITCH DETAILS for B2 P132 and P122 CONSOLE WIRING</td>	SWITCH DETAILS for B2 P132 and P122 CONSOLE WIRING
PRO NO. <td>GA107 <td>SHT. <td>1 <td>DWG NO. G12132-5-073273</td> </td></td></td>	GA107 <td>SHT. <td>1 <td>DWG NO. G12132-5-073273</td> </td></td>	SHT. <td>1 <td>DWG NO. G12132-5-073273</td> </td>	1 <td>DWG NO. G12132-5-073273</td>	DWG NO. G12132-5-073273
				REV. A

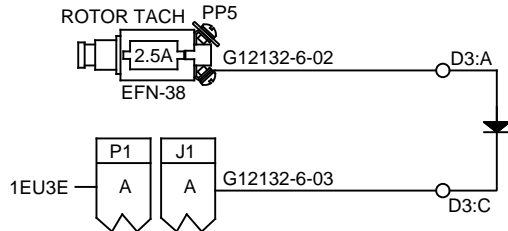
Detailed on G12132-3-073273



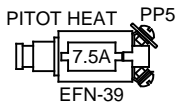
ref: AEC DWG 350A67-2685-00  
 ref: AEC DWG 350A62-4100-00  
 ref: WDM 31.50.00



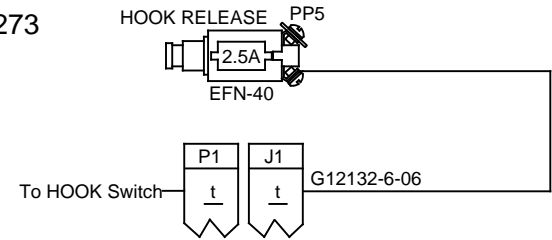
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 ref: WDM 62.30.00



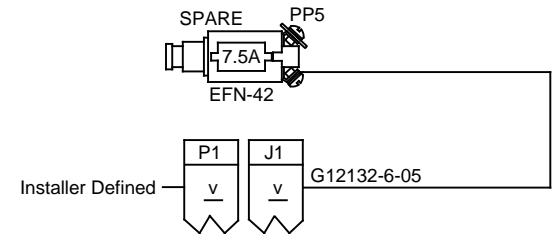
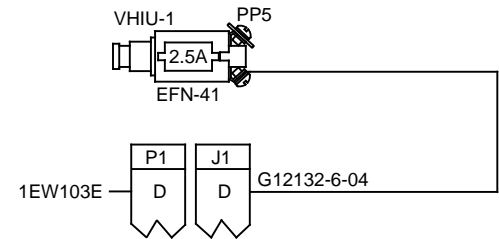
Detailed on G12132-5-073273



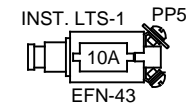
ref: AEC DWG 350A63-6158-00  
 ref: AEC DWG 350A63-6159-00  
 ref: WDM 25.80.00  
 ref: G12132-17-073273



ref: AEC DWG 350A67-4166-00  
 ref: WDM 31.60.00



Detailed on G12132-4-073273



Effectivity: AS350B2 embodying mod 350A07-3273

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
A	ADDED EFN-41 WDM REFERENCE	05/06/08	RBH
REVISION			

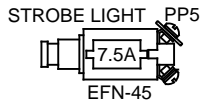


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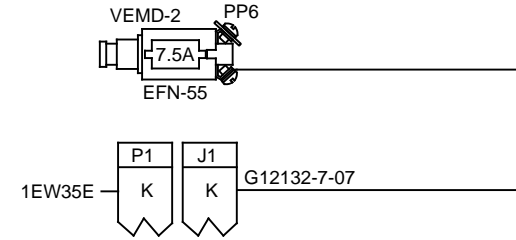
DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-6-073273	REV.	A

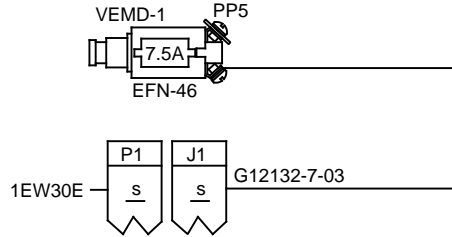
Detailed on G12132-4-073273



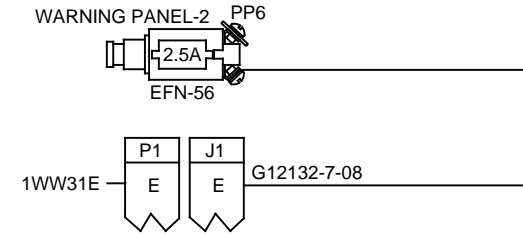
ref: AEC DWG 350A67-4166-00  
ref: WDM 31.60.00



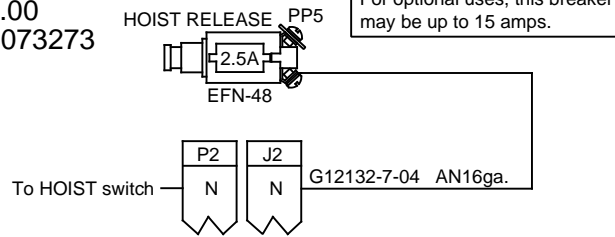
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ref: WDM 31.60.00



ref: AEC DWG 350A62-4100-00  
ref: WDM 31.50.00

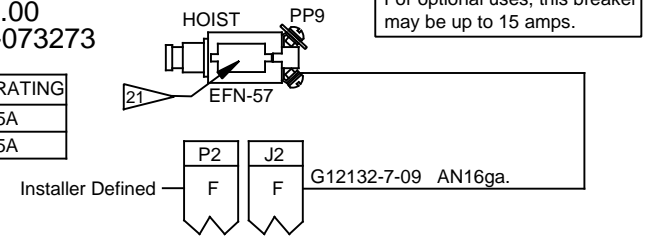


ref: AEC DWG 350A63-5016-00  
ref: AEC DWG 350A63-5017-00  
ref: AEC DWG 350A63-6159-00  
ref: WDM 25.63.00  
ref: G12132-18-073273

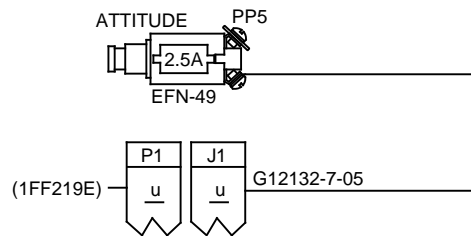


ref: AEC DWG 350A63-5016-00  
ref: AEC DWG 350A63-5017-00  
ref: WDM 25.63.00  
ref: G12132-18-073273

CAPACITY	RATING
450 lb	7.5A
300 lb	2.5A

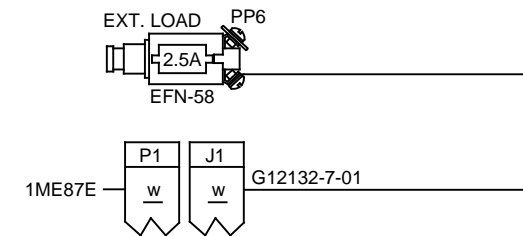


ref: AEC DWG 350A68-2542-01  
ref: WDM 34.20.00



Wire directly to the Attitude gyro, or through an On/Off switch; or, this function may be moved to a breaker that is supplied from a switched bus.

ref: AEC DWG 350A63-6158-00  
ref: WDM 25.80.00



Effectivity: AS350B2 embodying mod 350A07-3273

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
B	REMOVED ERRONEOUS AIRFRAME WIRES FROM EFN-57 TABLE	03/04/10	RBH
A	ADDED WDM REFERENCES	05/06/08	RBH
REVISION			

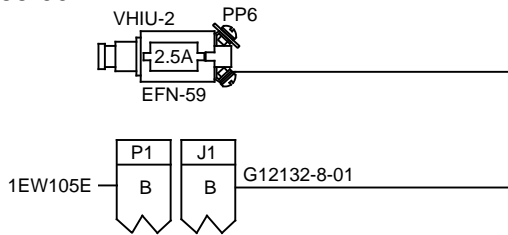


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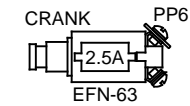
DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING
DWG NO.	G12132-7-073273
REV.	B

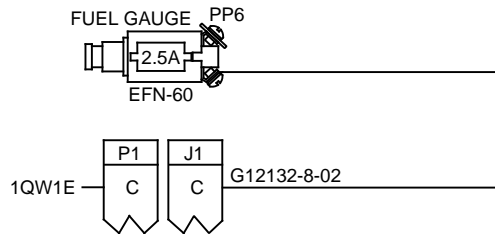
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 ref: WDM 31.60.00



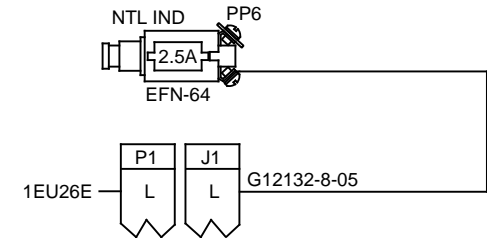
Detailed on G12132-3-073273



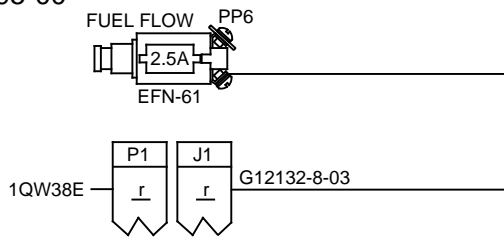
ref: AEC DWG 350A67-2686-00  
 ref: WDM 28.00.00



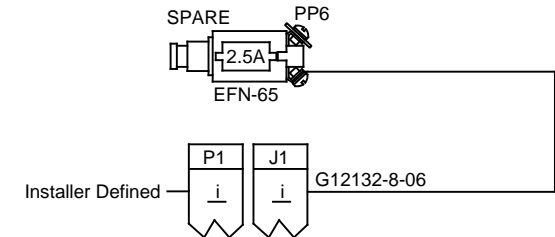
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 ref: WDM 77.00.00



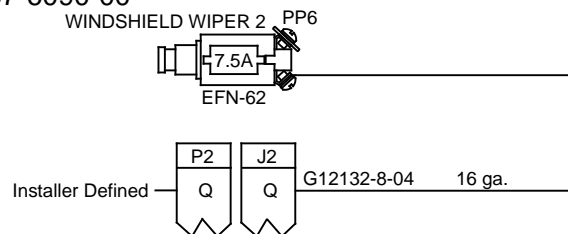
ref: AEC DWG 350A67-2695-00  
 ref: WDM 28.41.10



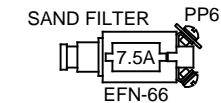
May be wired directly to the Fuel Flow meter, or through an On/Off switch



ref: AEC DWG 350A67-6090-00  
 ref: WDM 30.42.00



Detailed on G12132-5-073273



Effectivity: AS350B2 embodying mod 350A07-3273

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
A	ADDED EFN-59 WDM REFERENCE	05/06/08	RBH
REVISION			

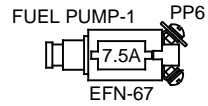


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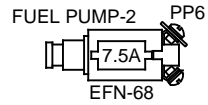
DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-8-073273	REV.	A

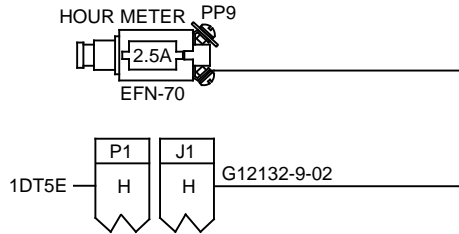
Detailed on G12132-5-073273



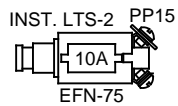
Detailed on G12132-5-073273



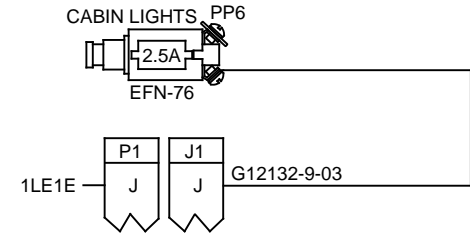
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ref: WDM 31.31.00



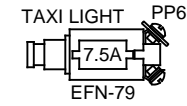
Detailed on G12132-4-073273



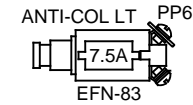
ref: AEC DWG 350A64-7311-00  
ref: AEC DWG 350A64-7265-00  
ref: WDM 33.10.00



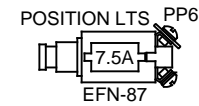
Detailed on G12132-4-073273



Detailed on G12132-4-073273



Detailed on G12132-4-073273



Effectivity: AS350B2 embodying mod 350A07-3273

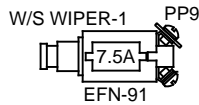
SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

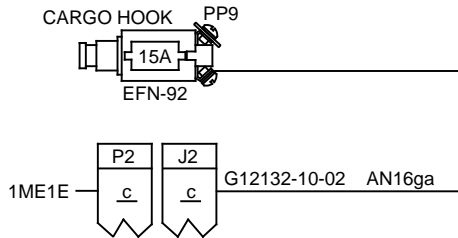


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		APPROVAL CLB	DATE 10/10/07	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING
PRO NO. GA107	SHT. 1	DWG NO. G12132-9-073273	REV. --	

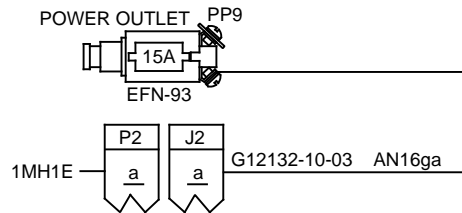
Detailed on G12132-5-073273



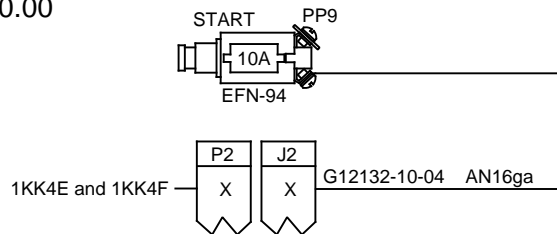
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ref: WDM 25.80.00



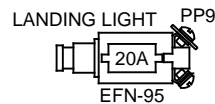
ref: AEC DWG 350A62-0045-00  
ref: WDM 25.26.00



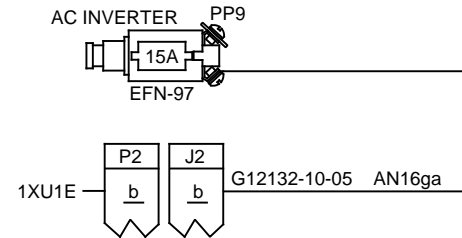
ref: AEC DWG 350A67-2688-00  
ref: WDM 80.00.00



Detailed on G12132-4-073273

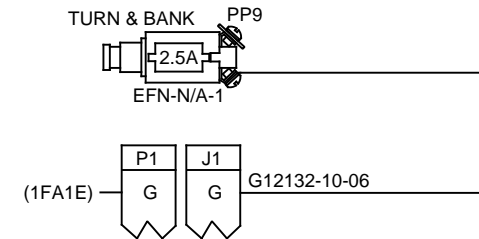


ref: AEC DWG 350A62-0049-00  
ref: WDM 24.22.00



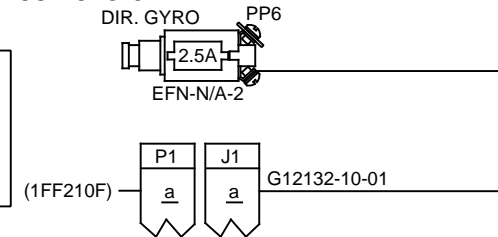
ref: AEC DWG 350A68-2541-01

Wire directly to the Turn & Bank Indicator, or through an On/Off switch; or, this function may be moved to a breaker that is supplied from a switched bus.

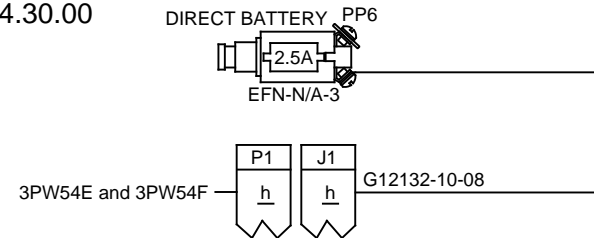


ref: AEC DWG 350A68-2543-01  
ref: WDM 34.20.00

Wire directly to the Directional gyro, or through an On/Off switch; or, this function may be moved to a breaker that is supplied from a switched bus.

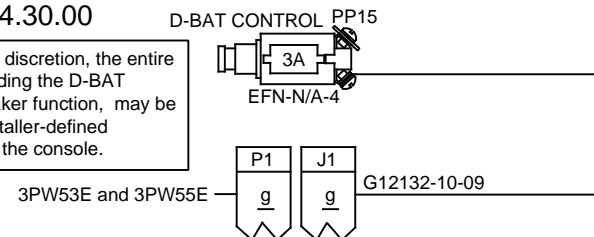


ref: AEC DWG 350A62-4101-00  
ref: WDM 24.30.00



ref: AEC DWG 350A62-4101-00  
ref: WDM 24.30.00

At the installer's discretion, the entire PP15 bus, including the D-BAT CONTROL breaker function, may be moved to an installer-defined location outside the console.



Effectivity: AS350B2 embodying mod 350A07-3273

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
A	ADDED WDM REFERENCES	05/06/08	RBH
REVISION			

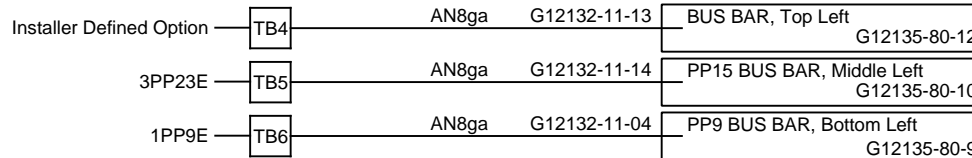
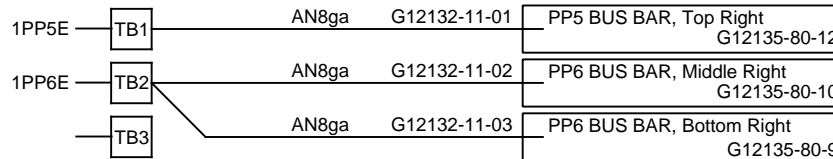


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DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-10-073273	REV.	A

ref: AEC DWG 350A62-4101-00  
 ref: AEC DWG 350A62-4100-00  
 ref: WDM 24.30.00




← Installer Defined Option

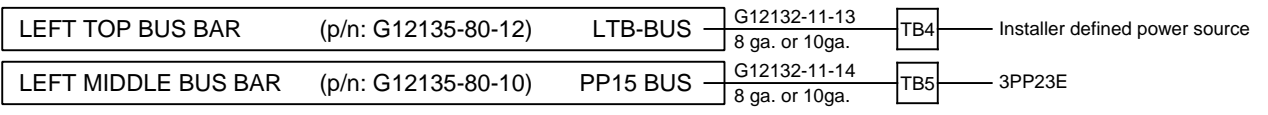
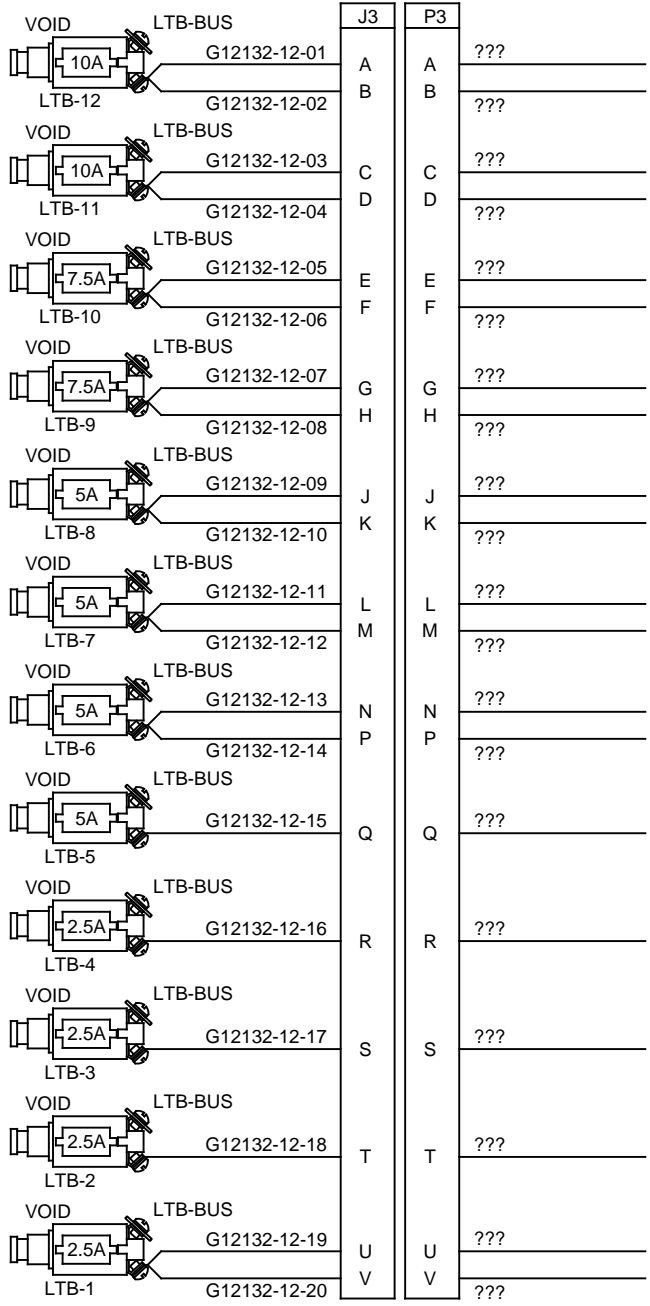
At the installer's discretion, all or part of the left middle rail may be used for the PP15 bus, or the entire PP15 bus may be moved to an installer defined mounting location outside the console and the left middle rail used for other, installer-defined circuits.

### Primary Power to Circuit Breakers

Effectivity: AS350B2 embodying mod 350A07-3273

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.	 www.genevaaviation.com	THIS DRAWING INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.	DRAWN RBH APPROVAL CLB	DATE 10/10/07 DATE 10/10/07	TITLE BUS BAR DETAILS P132 and P122 CONSOLE WIRING
REVISION					PRO NO. GA107 SHT. 1	DWG NO. G12132-11-073273	REV. --	



??? = Installer Defined

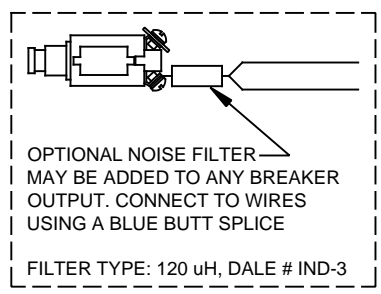
NOTE:  
ALL WIRES ON THIS DRAWING ARE 16 ga. UNLESS SHOWN OTHERWISE.  
RING TERMINALS FOR CIRCUIT BREAKERS ARE RED #6 (p/n 36152), EXCEPT FOR DUAL WIRES WHICH HAVE BOTH WIRES CRIMPED INTO ONE BLUE #6 RING TERMINAL (p/n 36158 OR 326882).

NOTE:  
THE CIRCUIT BREAKER CURRENT RATINGS AND NAMES SHOWN ARE JUST AN EXAMPLE. ALL WIRES ARE SUITABLE FOR 15A BREAKERS, OR LESS.

NOTE:  
The word: SPARE marked on this diagram is used to represent a breaker or wire that is installed but not assigned.

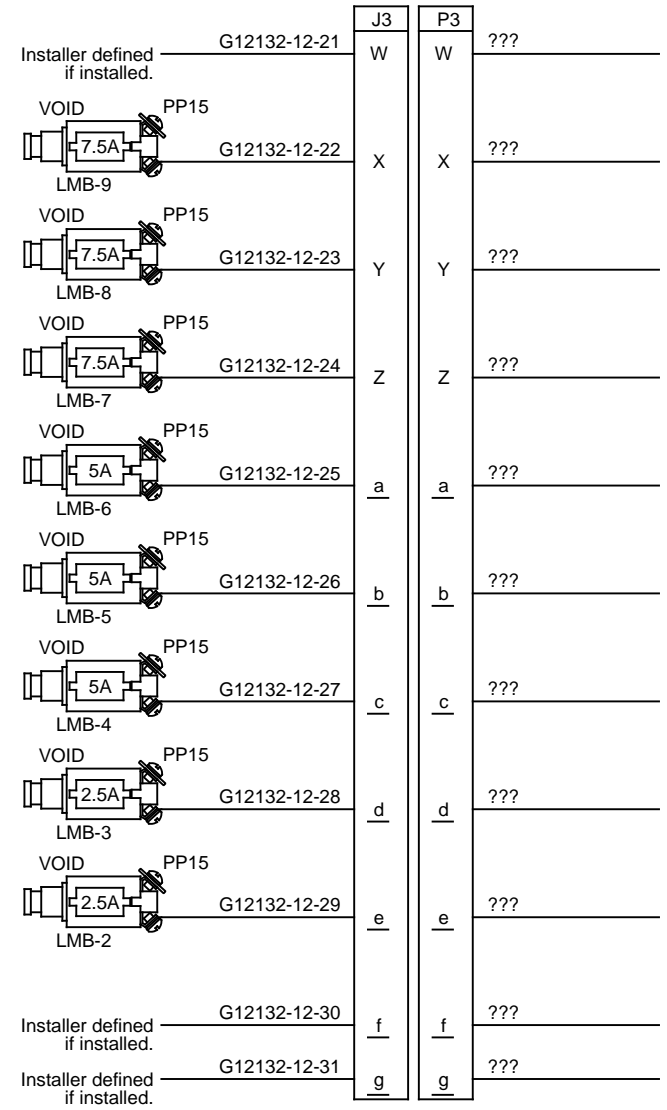
The word: BLANK means that the wires are installed but not the circuit breaker.

The word: VOID means that the breaker is not installed and the wires for that breaker are not installed.



AIRCRAFT FWD

The PP15 bus normally powers minimal avionics functions, not shown here. At the installer's discretion, the PP15 bus may be moved to an installer-defined location outside the console, so that the left middle breaker rail may be used for additional installer-defined avionics circuits. In that case, the Instrument Lights 2 circuit will need to be modified. See sample Instrument Lights 2 circuit on G12132-29.



Effectivity: AS350B2 embodying mod 350A07-3273,  
or AS350B3 embodying mod 350A07-3274

SEE NOTES ON G12132-1

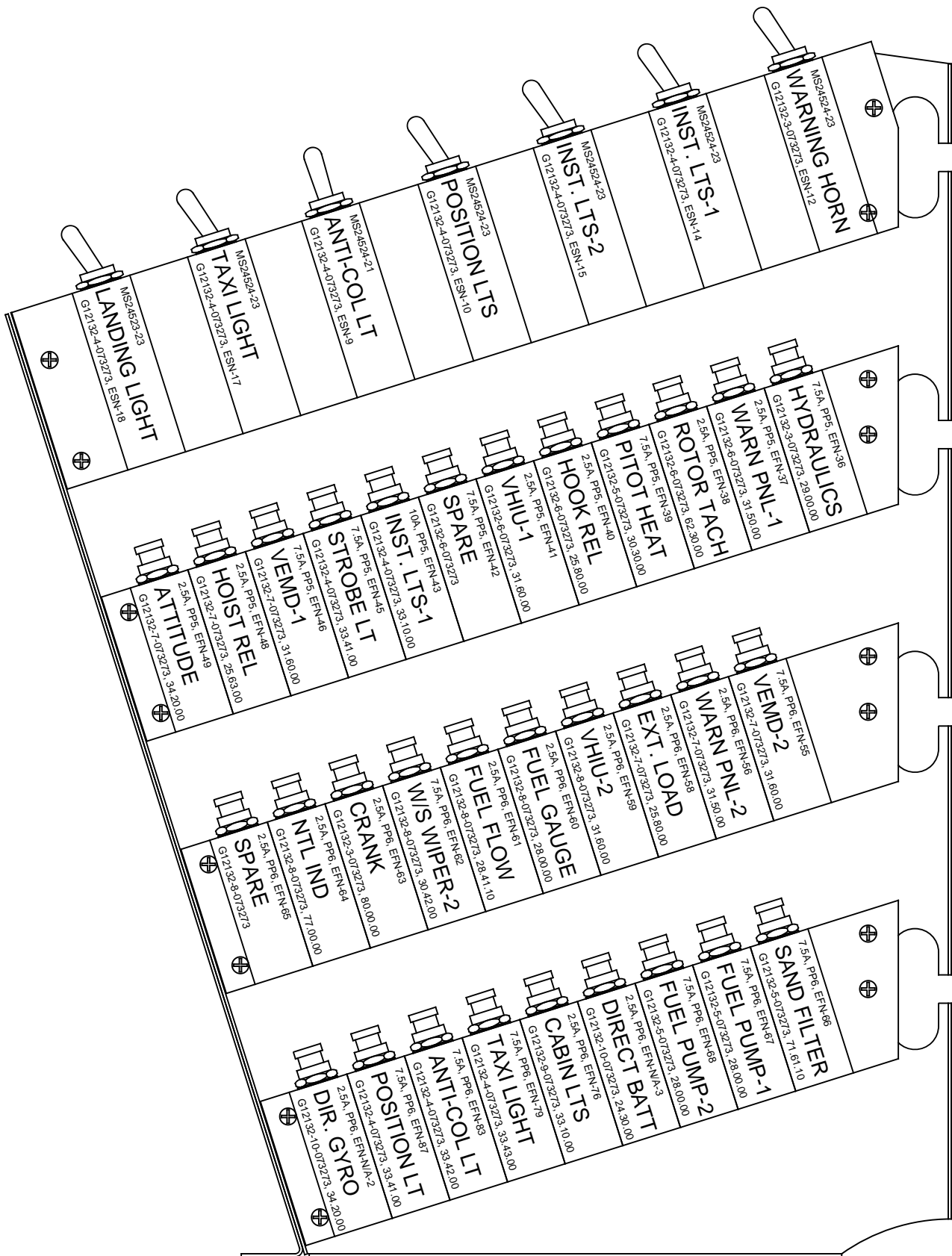
REV	DESCRIPTION	DATE	APROV.
	REVISION		



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DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	OPTIONAL CIRCUIT BREAKERS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-12-073273	REV.	--



**FWD** →

Effectivity: AS350B2 Embodying  
Mod 350A07-3273



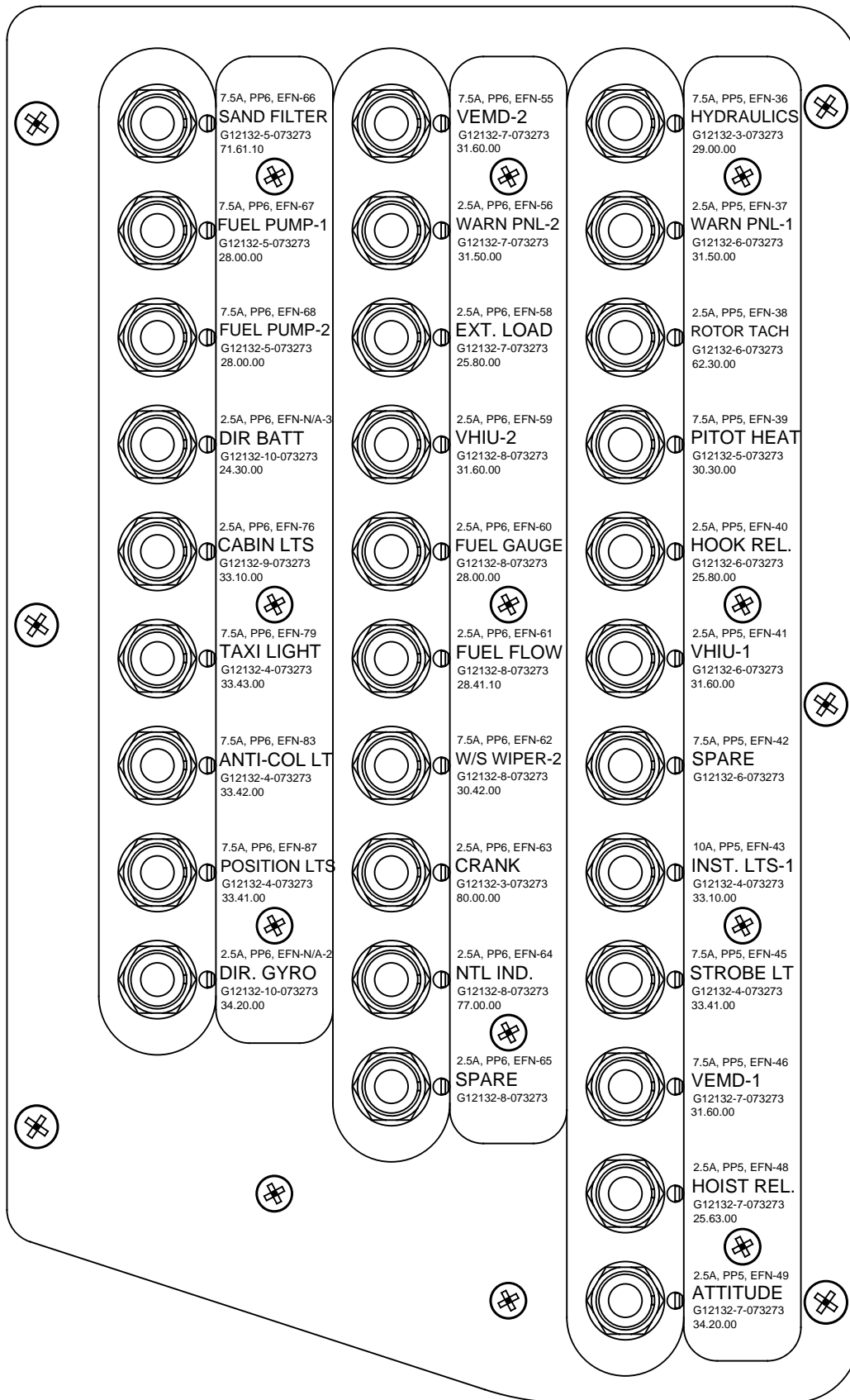
www.genevaaviation.com

DESIGNED	RBH	DATE	10/10/07
DRAWN	RBH	DATE	10/10/07
CHECKED	GA	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CONSOLE BREAKER LAYOUT		
	P132 RIGHT SIDE VIEW for AS350B2		
DWG NO.	G12132-13-073273	REV.	A

A	ADDED WDM REFERENCES	05/06/08	RBH
REV	DESCRIPTION	DATE	APPROV.
	REVISION		

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Effectivity: AS350B2 - Embodying  
Mod 350A07-3273

FWD



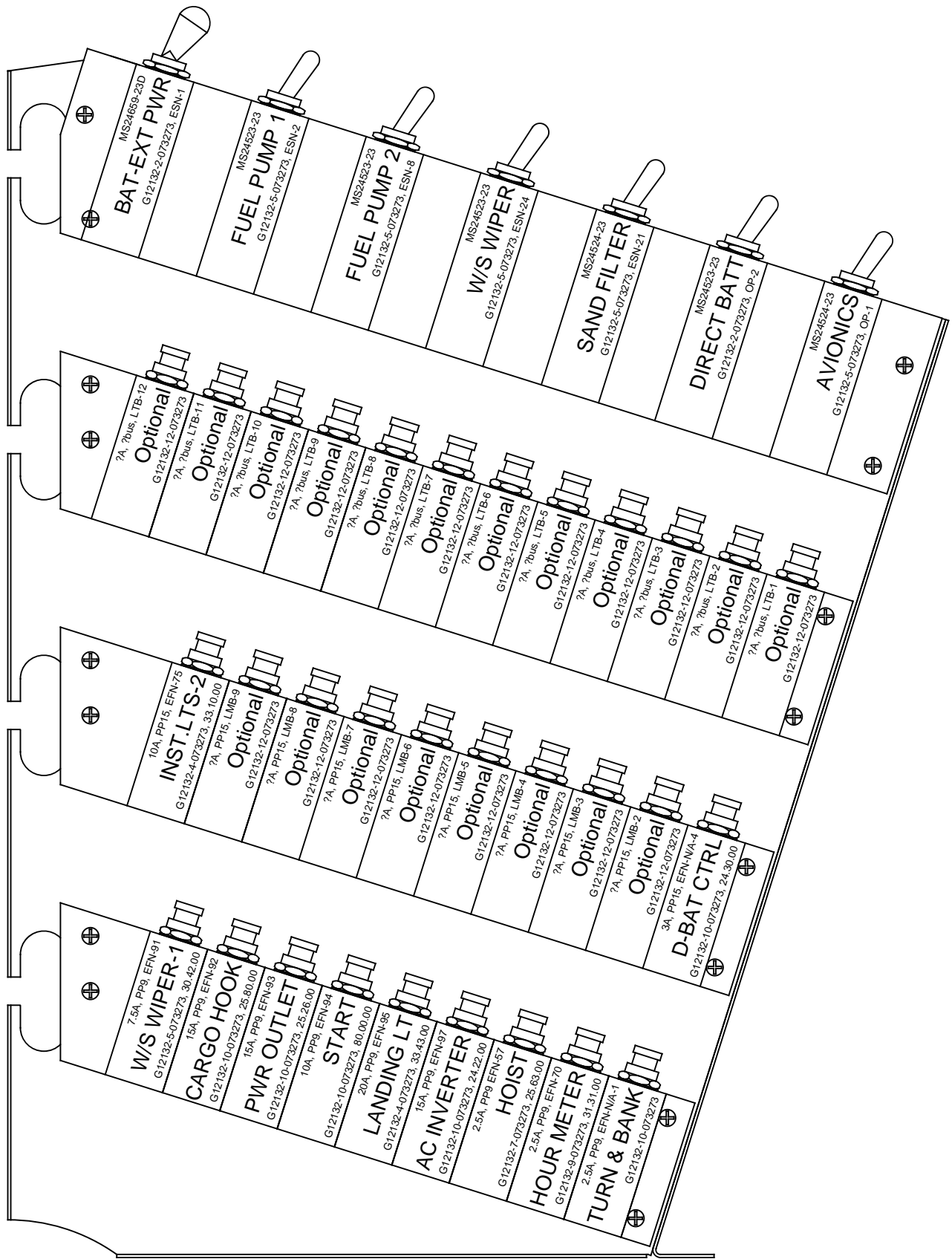
www.genevaaviation.com

DESIGNED	RBH	DATE	10/10/07
DRAWN	RBH	DATE	10/10/07
CHECKED	GA	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CONSULE BREAKER LAYOUT
	P122 RIGHT SIDE VIEW for AS350B2
DWG NO.	G12132-13-073273-P122
REV.	A

A	ADDED WDM REFERENCES	05/06/08	RBH
REV	DESCRIPTION	DATE	APROV.
	REVISION		

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← FWD

Effectivity: AS350B2 Embodying  
Mod 350A07-3273



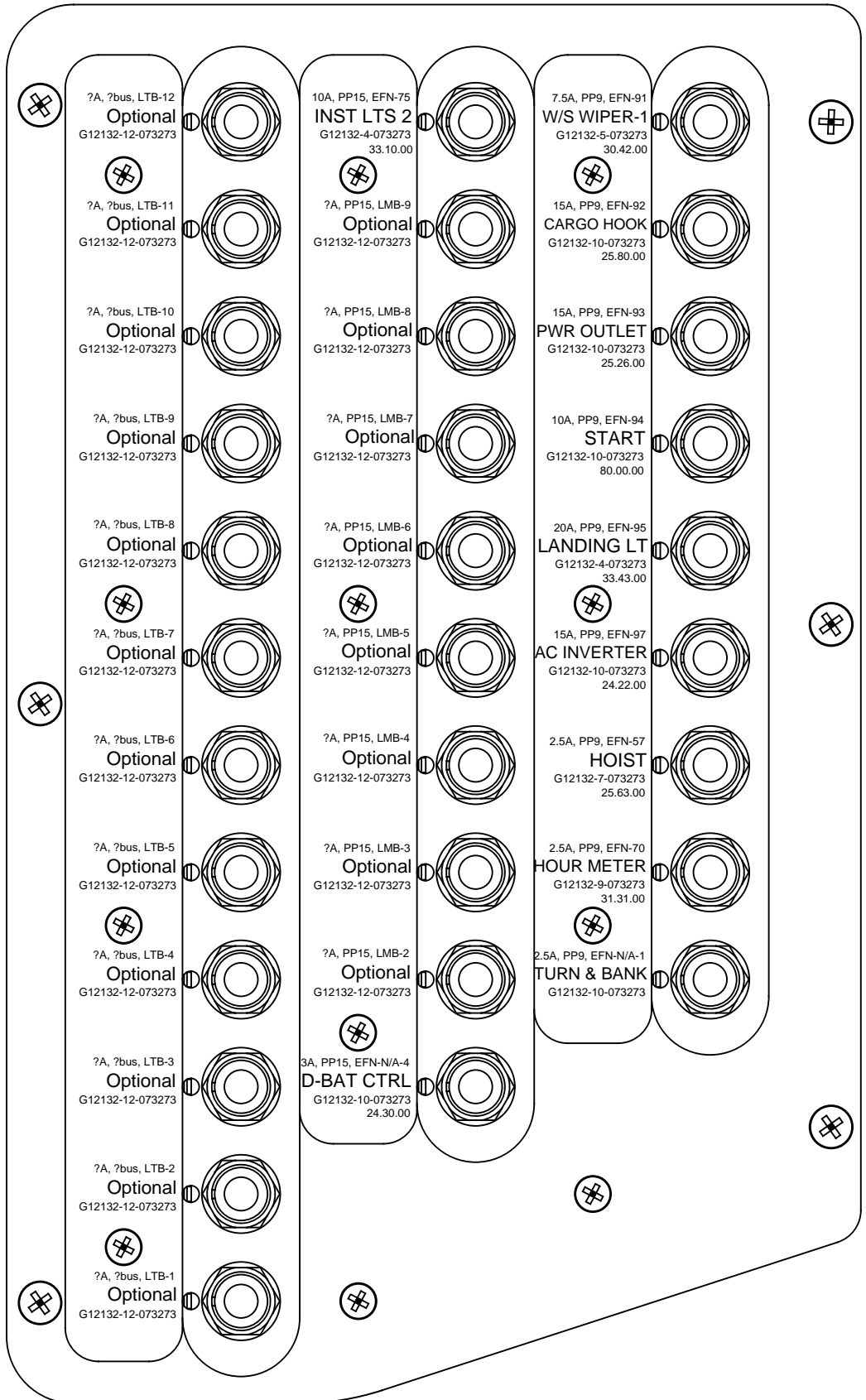
www.genevaaviation.com

REV	DESCRIPTION	DATE	APPROV.
A	CORRECTED BUS FOR EFN-N/A-1; ADDED EFN-N/A-4 WDM REFERENCE	05/06/08	RBH
	REVISION		

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DRAWN	RBH	DATE	10/10/07
CHECKED	GA	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CONSOLE BREAKER LAYOUT P132 LEFT SIDE VIEW for AS350B2
DWG NO.	G12132-14-073273
REV.	A



← FWD

Effectivity: AS350B2 Embodying  
Mod 350A07-3273



A	CORRECTED BUS FOR EFN-N/A-1; ADDED EFN-N/A-4 WDM REFERENCE	05/06/08	RBH
REV	DESCRIPTION	DATE	APPROV.
	REVISION		

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DRAWN	RBH	DATE	10/10/07
CHECKED	GA	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CONSOLE BREAKER LAYOUT P122 LEFT SIDE VIEW for AS350B2
DWG NO.	G12132-14-073273-P122
REV.	A

MS24659-23D  
**GENERATOR ON**  
 G12132-3-073273, ESN-3

MS24658-23D  
**HYD TEST**  
 G12132-3-073273, ESN-11

MS27407-3  
**WARN / FIRE TEST**  
 G12132-3-073273, ESN-7

MS24523-26  
**CRANK ENGINE**  
 G12132-3-073273, ESN-5

MS24659-23D  
**MASTER CUTOFF**  
 G12132-2-073273, ESN-6

MS24523-23  
**PITOT HEAT**  
 G12132-5-073273, ESN-13

MS24659-23D  
**BAT-EXT PWR**  
 G12132-2-073273, ESN-1

MS24523-23  
**FUEL PUMP 1**  
 G12132-5-073273, ESN-2

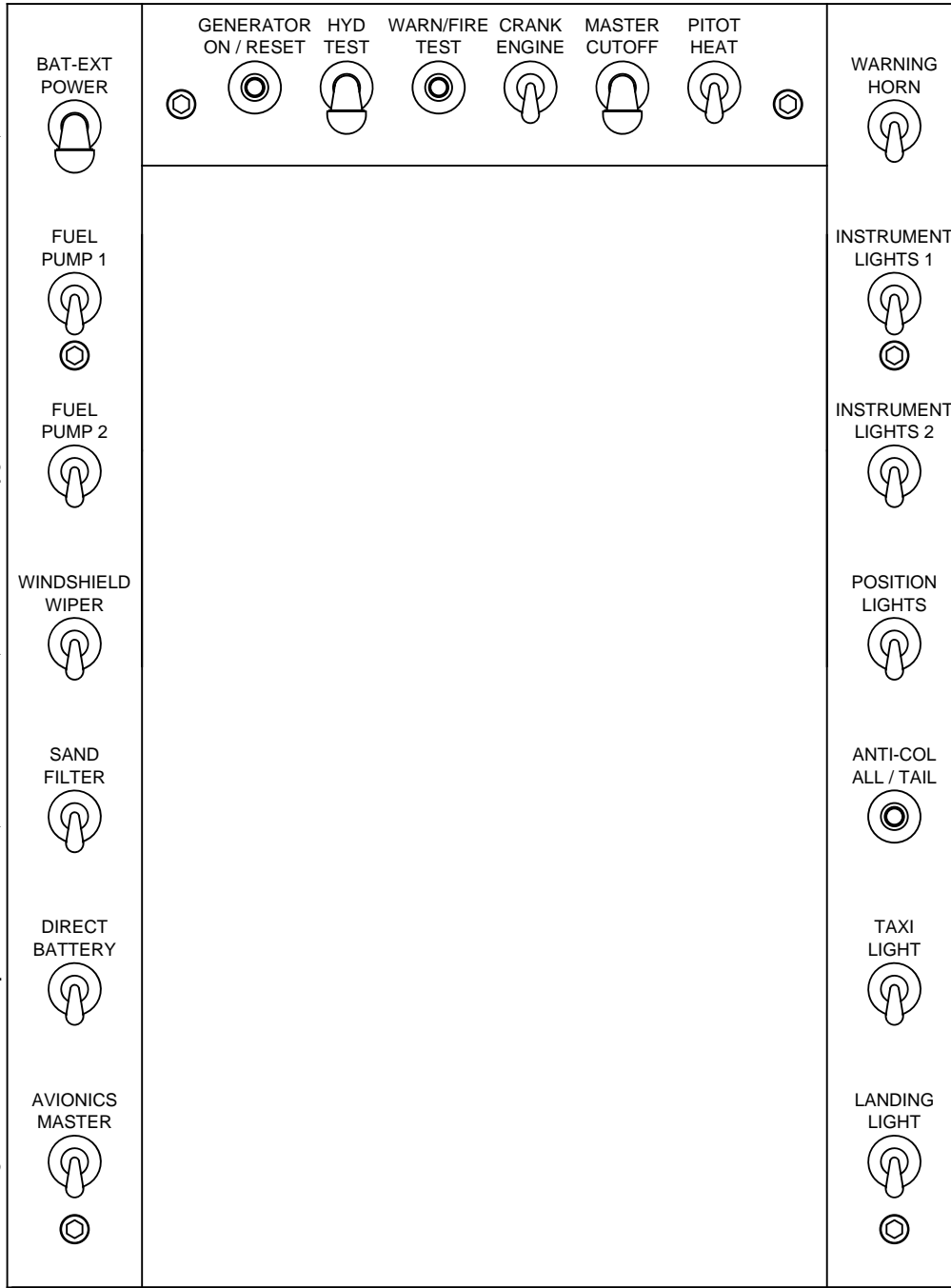
MS24523-23  
**FUEL PUMP 2**  
 G12132-5-073273, ESN-8

MS24523-23  
**W/S WIPER**  
 G12132-5-073273, ESN-24

MS24524-23  
**SAND FILTER**  
 G12132-5-073273, ESN-21

MS24523-23  
**DIRECT BATT**  
 G12132-2-073273, OP-2

MS24524-23  
**AVIONICS**  
 G12132-5-073273, OP-1



MS24524-23  
**WARNING HORN**  
 G12132-3-073273, ESN-12

MS24524-23  
**INST. LTS-1**  
 G12132-4-073273, ESN-14

MS24524-23  
**INST. LTS-2**  
 G12132-4-073273, ESN-15

MS24524-23  
**POSITION LTS**  
 G12132-4-073273, ESN-10

MS24524-21  
**ANTI-COL LT**  
 G12132-4-073273, ESN-9

MS24524-23  
**TAXI LIGHT**  
 G12132-4-073273, ESN-17

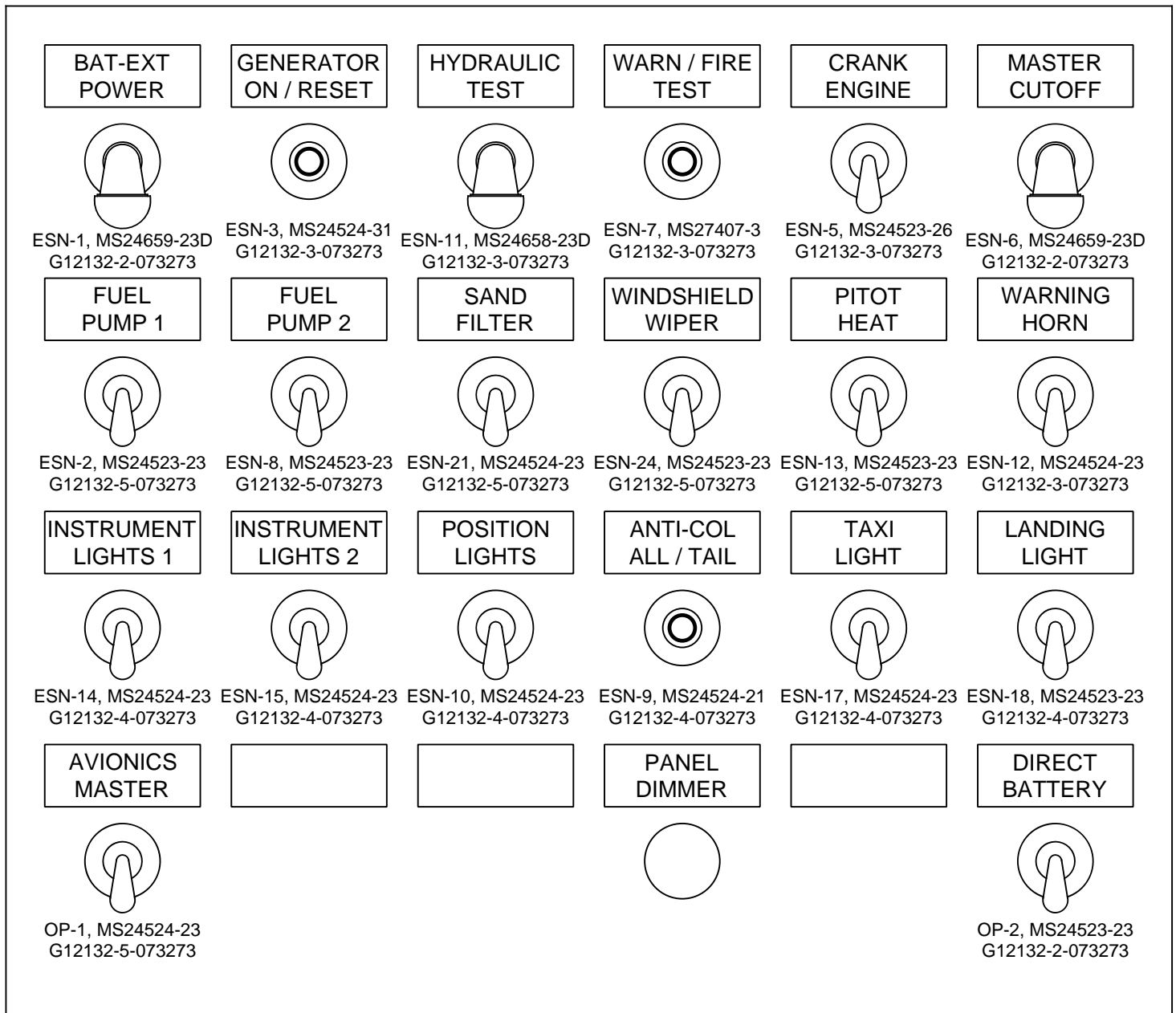
MS24523-23  
**LANDING LT**  
 G12132-4-073273, ESN-18

Effectivity: AS350B2 Embodying  
 Mod 350A07-3273



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						DRAWN RBH	DATE 10/10/07		
						CHECKED GA	DATE 10/10/07		
						APPROVAL CLB	DATE 10/10/07		
						PRO NO. GA107	SHT. 1		
A	CHANGED ESN-7 SWITCH TYPE	03/23/09	RBH					TITLE	
REV	DESCRIPTION	DATE	APROV.					DWG NO.	
	REVISION								REV. A

# P122 CONSOLE LAYOUT



REV	DESCRIPTION	DATE	APROV.
A	CHANGED ESN-7 TYPE & WIRING	03/23/09	RBH
REVISION			

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				DRAWN	RBH	DATE	10/10/07
				CHECKED	GA	DATE	10/10/07
				APPROVAL	CLB	DATE	10/10/07
				PRO NO.	GA107	SHT.	1



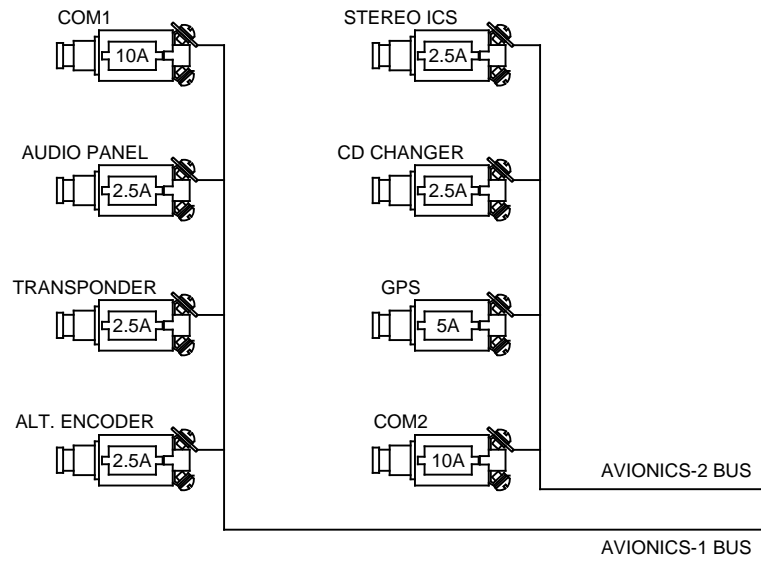
www.genevaaviation.com

TITLE	CONSOLE SWITCH LAYOUT		
	P122 TOP VIEW for AS350B2		
DWG NO.	G12132-15-073273-P122	REV.	A

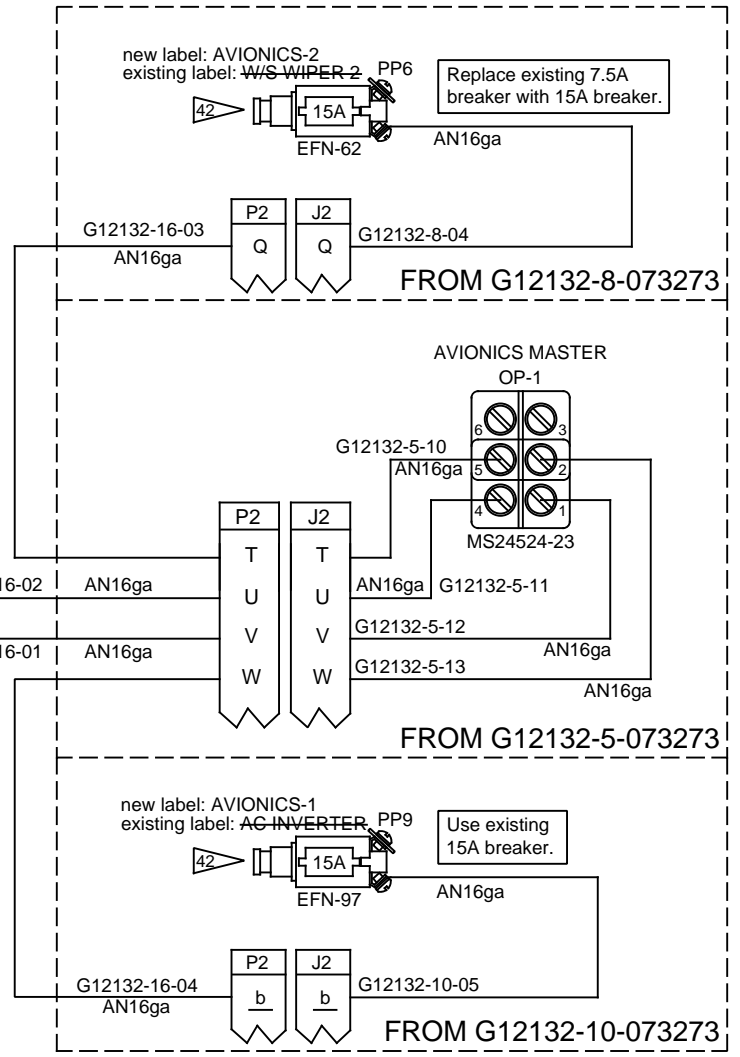
# SAMPLE OPTIONAL CIRCUITS

More samples on G12132-17-073273

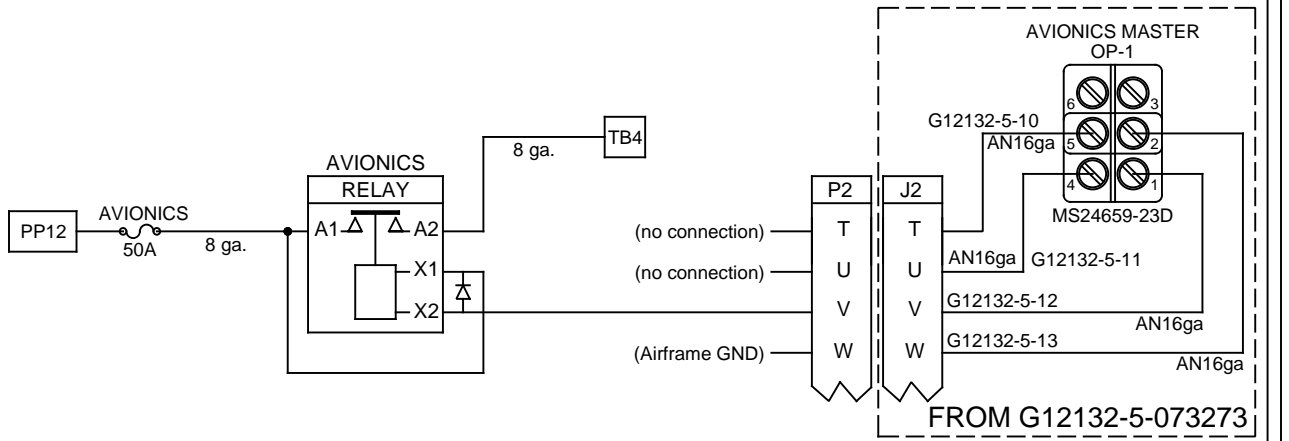
Avionics breakers may be mounted in the Optional rails, or in an installer-defined location outside the console.



Sample AVIONICS circuit



## Sample AVIONICS MASTER circuit



Alternatively, separate AVIONICS-1 and AVIONICS-2 bus breakers may be mounted in the optional rails, or in an installer-defined location outside the console, and powered separately.

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		



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DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	AVIONICS SAMPLE CIRCUITS P132 and P122 CONSOLE WIRING	
DWG NO.	G12132-16-073273	REV. --

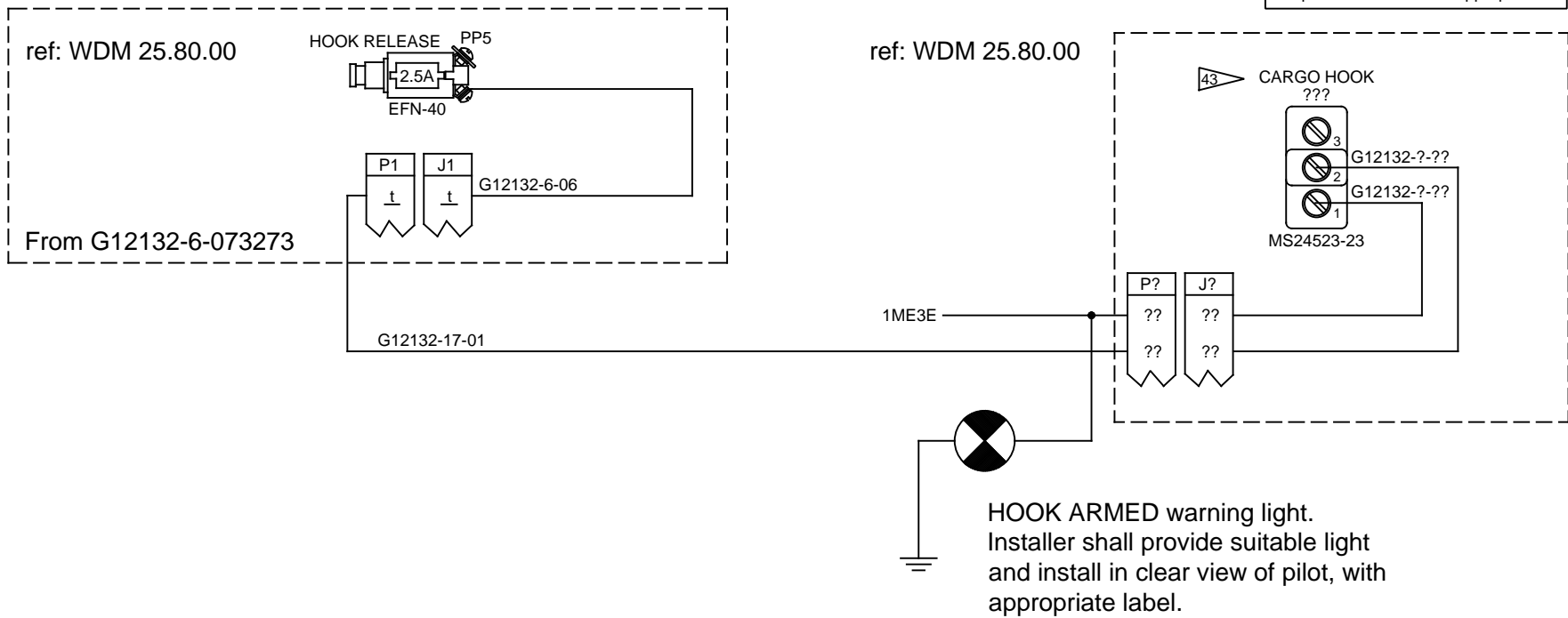
# SAMPLE OPTIONAL CIRCUITS

More samples on G12132-18-073273

**SWITCH CURRENT RATINGS:**  
 MS24523-23: Resistive: 20A, Inductive: 15A, Lamp: 5A  
 MS24524-23: Resistive: 20A, Inductive: 15A, Lamp: 7A

## Sample CARGO HOOK circuit

43 There is no standard switch assigned to the CARGO HOOK function in the -073273 version of the console. If a CARGO HOOK circuit is required, implement it using an available optional switch, or using a switch mounted in an installer-defined location outside the console, assigning unique wire numbers as appropriate.



Effectivity: AS350B2 embodying mod 350A07-3273

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

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DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

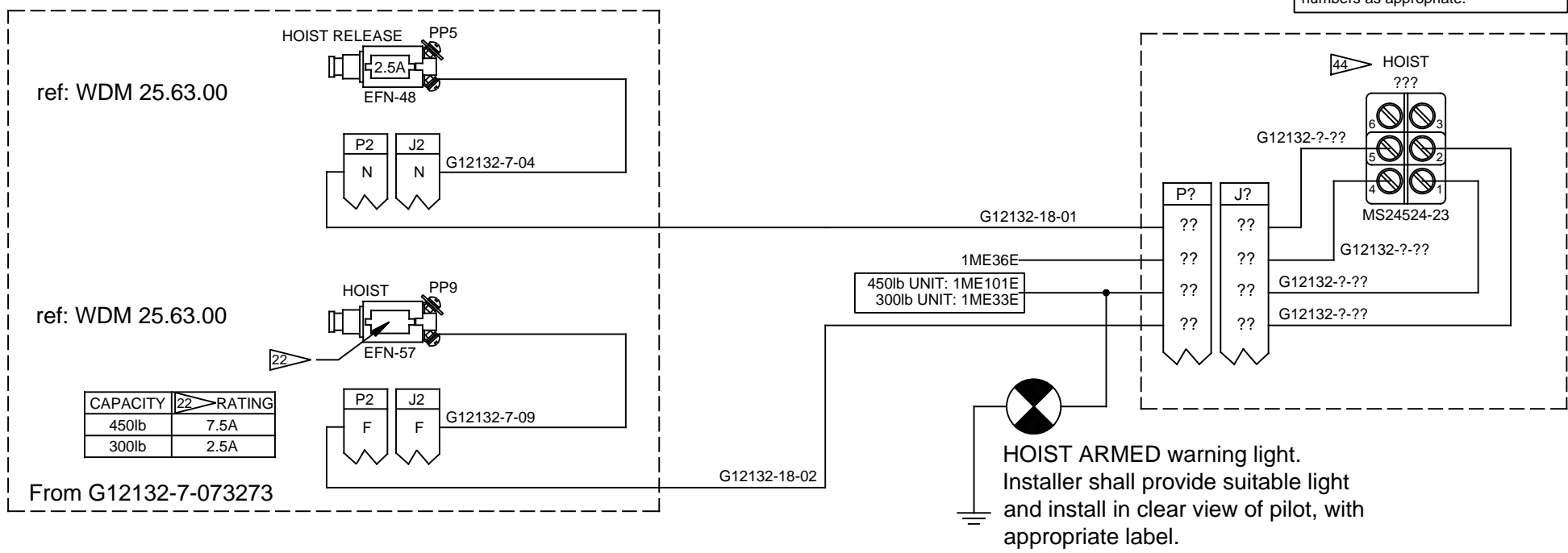
TITLE	CARGO HOOK SAMPLE CIRCUIT P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-17-073273	REV.	--

# SAMPLE OPTIONAL CIRCUITS

More samples on G12132-16-073273

**SWITCH CURRENT RATINGS:**  
 MS24523-23: Resistive: 20A, Inductive: 15A, Lamp: 5A  
 MS24524-23: Resistive: 20A, Inductive: 15A, Lamp: 7A

44 There is no standard switch assigned to the HOIST function in the -073273 version of the console. If a HOIST circuit is required, implement it using an available optional switch, or using a switch mounted in an installer-defined location outside the console, assigning unique wire numbers as appropriate.



## SAMPLE HOIST CIRCUIT

Effectivity: AS350B2 embodying mod 350A07-3273

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		



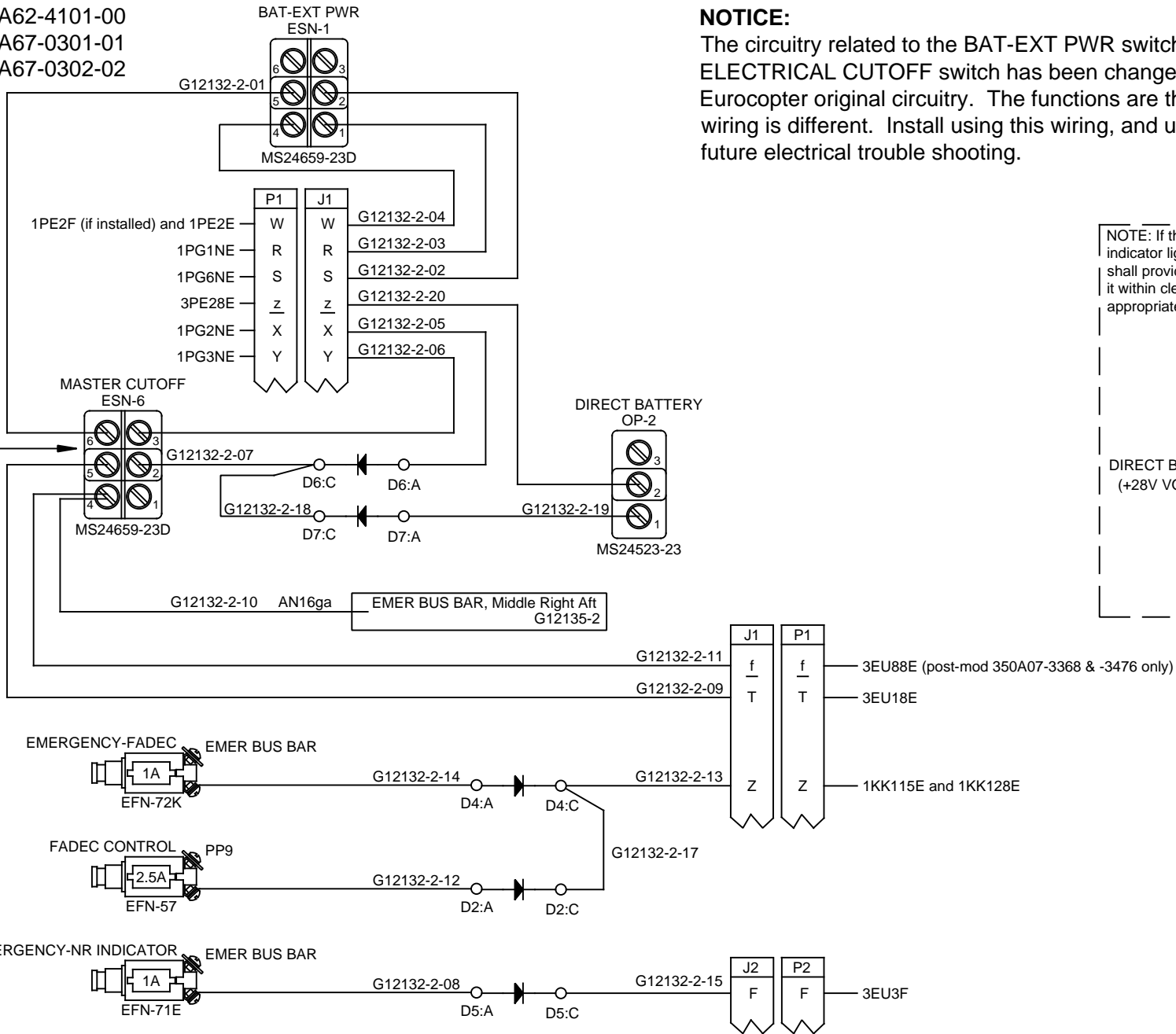
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DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CARGO HOOK SAMPLE CIRCUIT P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-18-073273	REV.	--

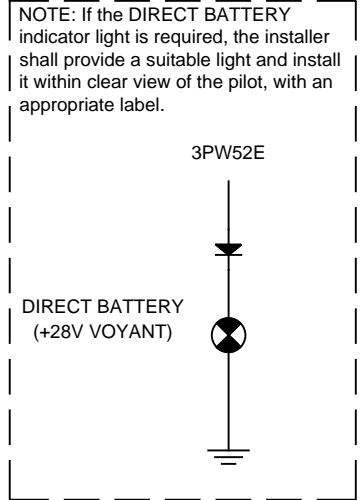
ref: AEC DWG 350A62-0046-00  
 ref: AEC DWG 350A62-4101-00  
 ref: AEC DWG 350A67-0301-01  
 ref: AEC DWG 350A67-0302-02  
 ref: WDM 24.30.00  
 ref: WDM 62.30.00  
 ref: WDM 77.00.10  
 ref: WDM 80.00.10

The toggle of this switch must be marked with the color RED



**NOTICE:**

The circuitry related to the BAT-EXT PWR switch and the MASTER ELECTRICAL CUTOFF switch has been changed from the Eurocopter original circuitry. The functions are the same, but the wiring is different. Install using this wiring, and use this drawing for future electrical trouble shooting.



Effectivity: AS350B3 embodying mod 350A07-3274

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
B	ADDED 3EU88E CONNECTIONS	05/12/10	RBH
A	ADDED AIRFRAME WIRE 1PE2F	03/04/10	RBH
REVISION	DESCRIPTION	DATE	APROV.



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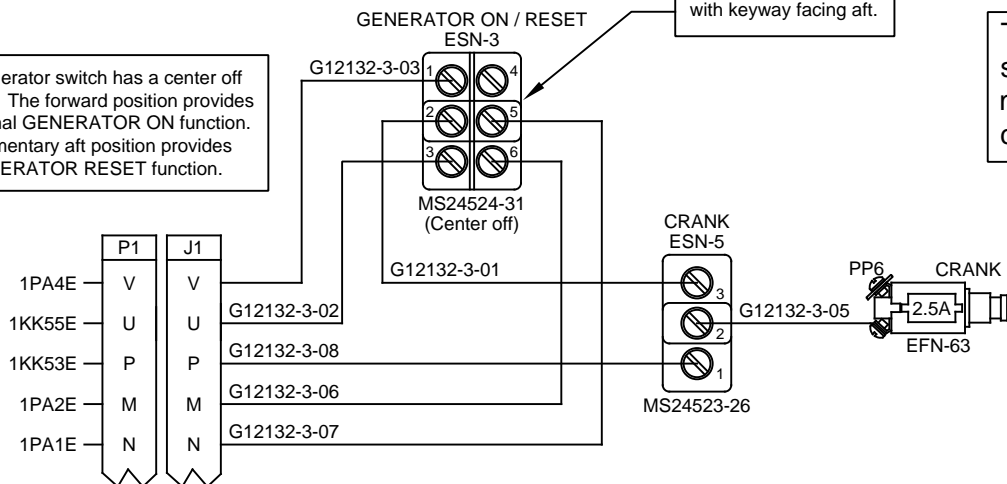
DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	SWITCH DETAILS for B3 P132 and P122 CONSOLE WIRING
DWG NO.	G12132-2-073274
REV.	B

ref: AEC DWG 350A62-0046-00  
 ref: AEC DWG 350A67-0302-02  
 ref: WDM 24.30.00  
 ref: WDM 80.00.10

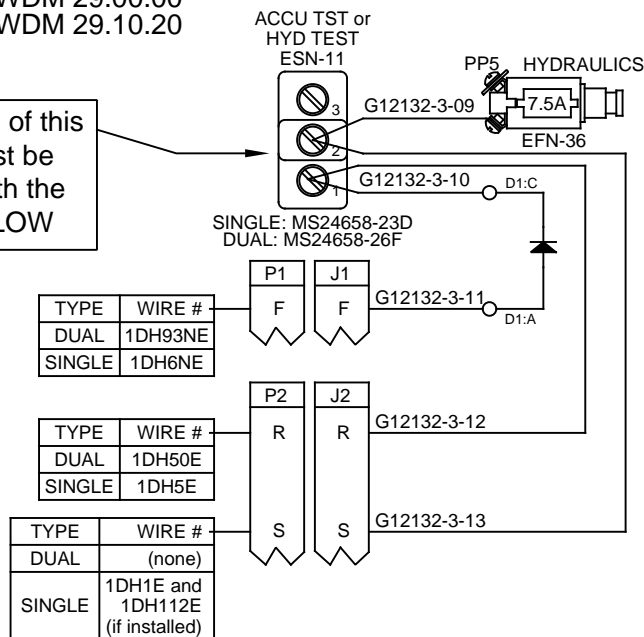
NOTE:  
 This switch is installed  
 with keyway facing aft.

The Generator switch has a center off position. The forward position provides the normal GENERATOR ON function. The momentary aft position provides the GENERATOR RESET function.



ref: AEC DWG 350A67-6092-00  
 ref: WDM 29.00.00  
 ref: WDM 29.10.20

The toggle of this  
 switch must be  
 marked with the  
 color YELLOW



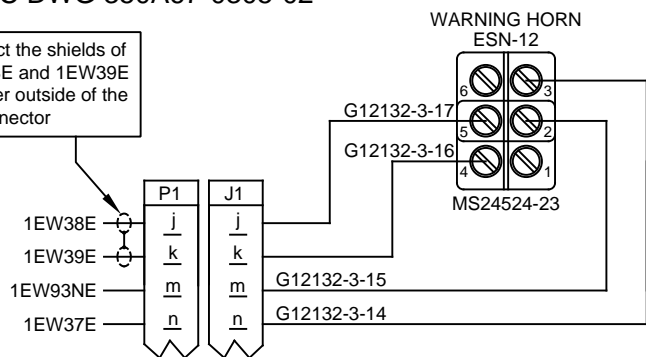
TYPE	WIRE #
DUAL	1DH93NE
SINGLE	1DH6NE

TYPE	WIRE #
DUAL	1DH50E
SINGLE	1DH5E

TYPE	WIRE #
DUAL	(none)
SINGLE	1DH1E and 1DH12E (if installed)

ref: WDM 62.30.00  
 ref: AEC DWG 350A67-0305-02

Connect the shields of 1EW38E and 1EW39E together outside of the P1 connector

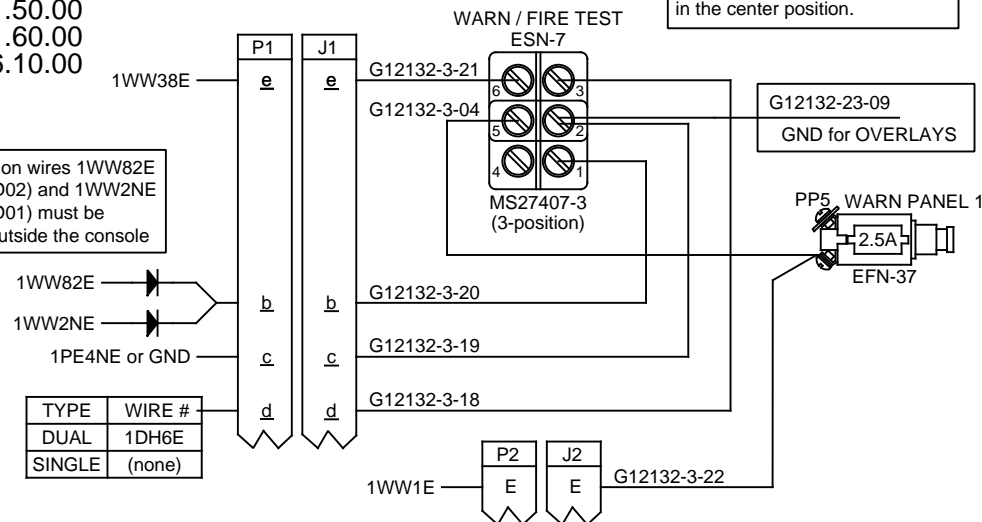


ref: AEC DWG 350A62-0046-00  
 ref: AEC DWG 350A67-0303-04  
 ref: AEC DWG 350A67-6085-00  
 ref: WDM 31.50.00  
 ref: WDM 31.60.00  
 ref: WDM 26.10.00

This 3-position switch performs the FIRE TEST function in the aft position

NOTE: ESN-7 maintains connections between terminals 2 and 3, and between terminals 4 and 5, when the switch toggle is in the center position.

NOTE: Diodes on wires 1WW82E (REF: 30ALP-D02) and 1WW2NE (REF: 30ALP-D01) must be implemented outside the console



TYPE	WIRE #
DUAL	1DH6E
SINGLE	(none)

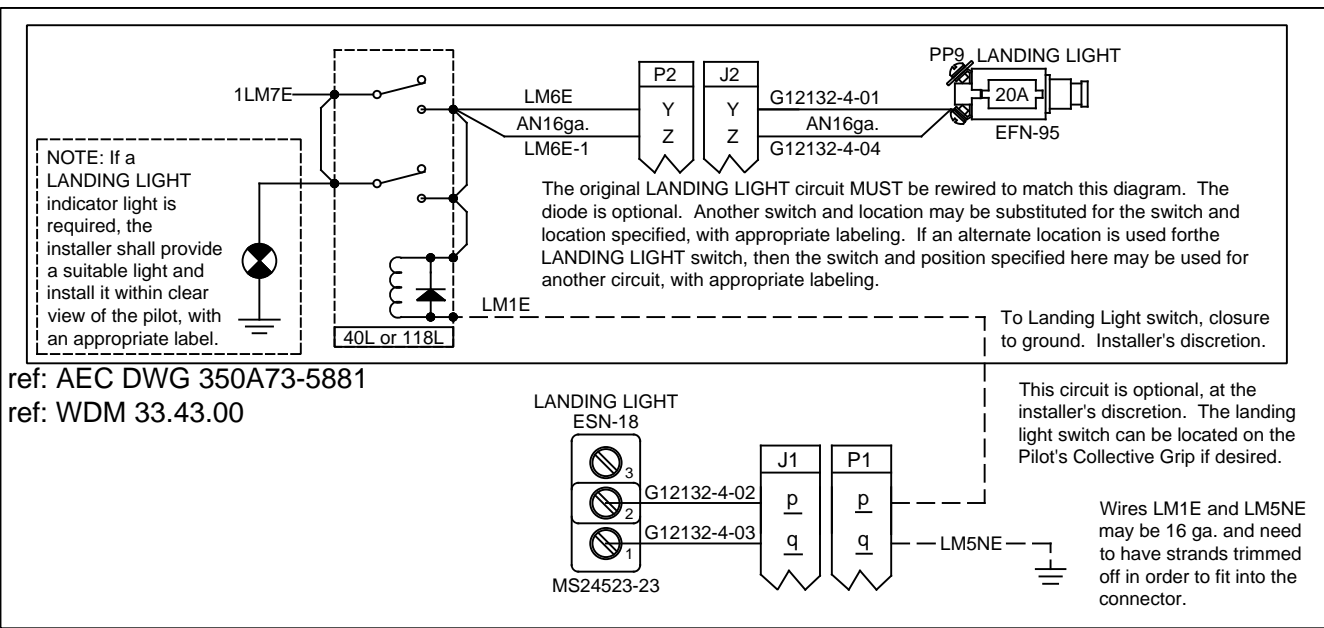
REV	DESCRIPTION	DATE	APPROV.
F	ADDED ACCU TST OPTION	10/20/17	GA
E	CHANGED ESN-11 SWITCH TYPE	04/12/17	GA
D	ADDED SHIELD NOTE FOR ESN-12 AIRFRAME WIRES; ADDED WIRE DH112E TO HYDRAULICS CIRCUIT; ADDED EFN-7 NOTES	03/04/10	RBH
C	CHANGED ESN-7 TYPE & WIRING; ADDED DUAL HYD AIRFRAME WIRES INTERNALIZED 1WW1F CIRCUIT	03/23/09	RBH
B	ADDED ESN-11 COLOR CODING	09/25/08	RBH
A	CORRECTED HORN SWITCH WIRING	05/06/08	RBH
REV	DESCRIPTION	DATE	APPROV.
REVISION			

Effectivity: AS350B3 embodying mod 350A07-3274

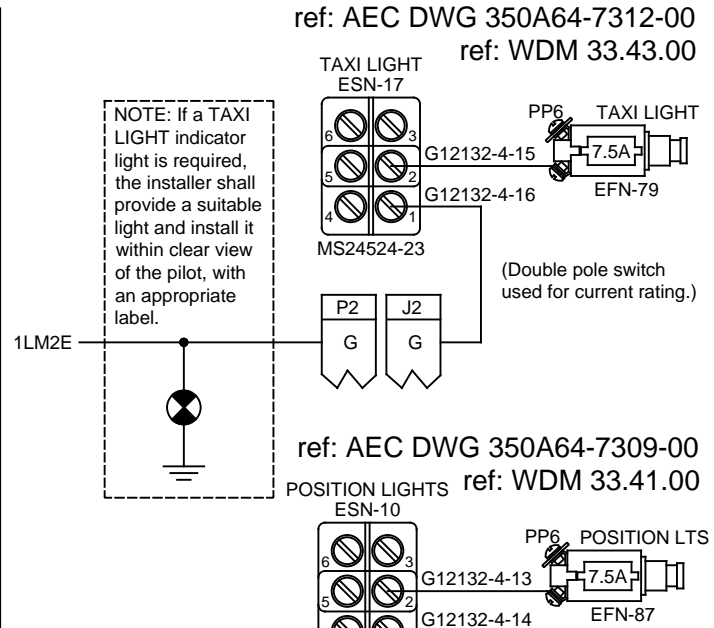
SEE NOTES ON G12132-1



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	APPROVAL	CLB	DATE	10/10/07		
	PRO NO.	GA107	SHT.	1	DWG NO.	G12132-3-073274
					REV.	F



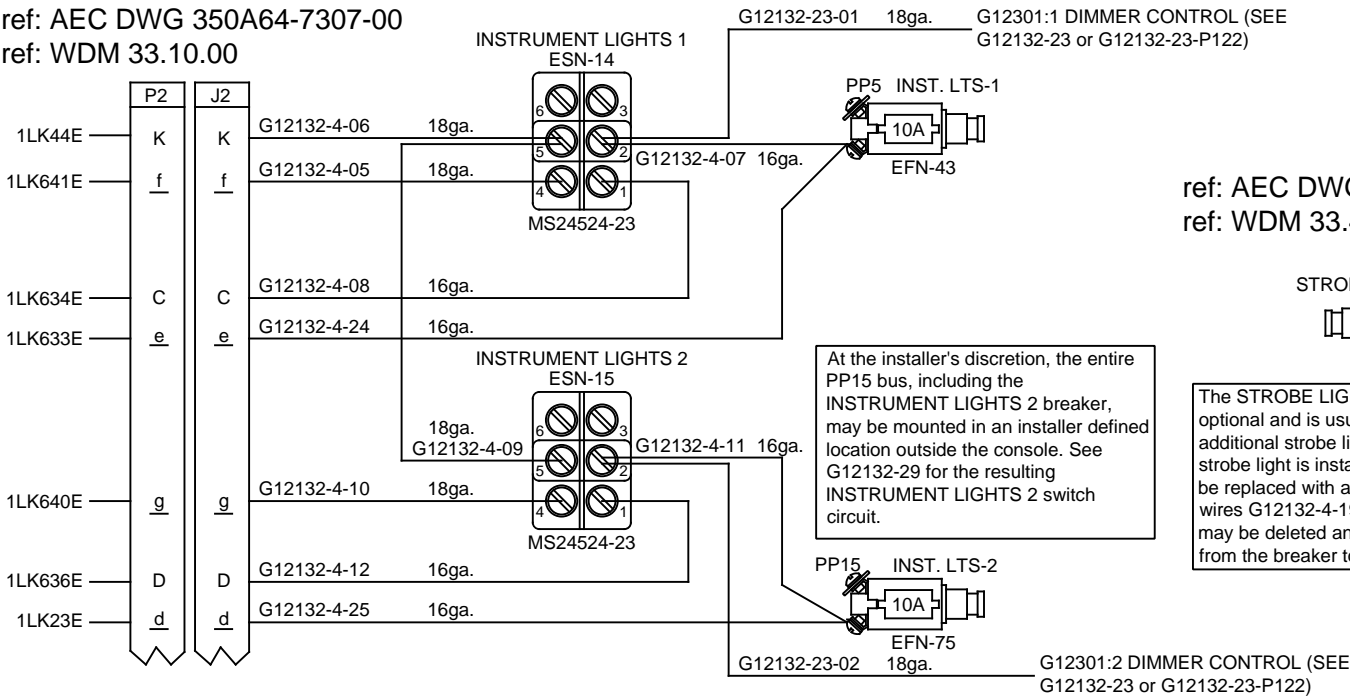
ref: AEC DWG 350A73-5881  
ref: WDM 33.43.00



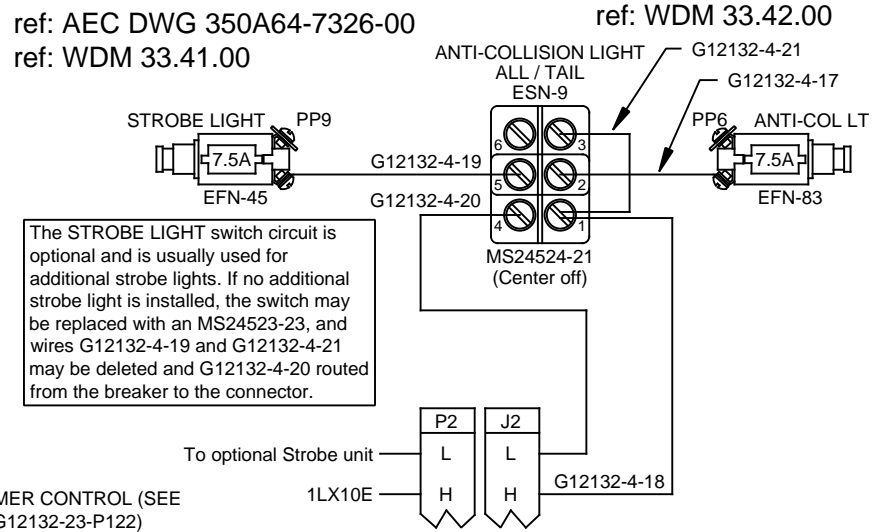
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ref: WDM 33.43.00

ref: AEC DWG 350A64-7309-00  
ref: WDM 33.41.00

ref: AEC DWG 350A64-7307-00  
ref: WDM 33.10.00



ref: AEC DWG 350A64-7326-00  
ref: WDM 33.41.00



Effectivity: AS350B3 embodying mod 350A07-3274

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

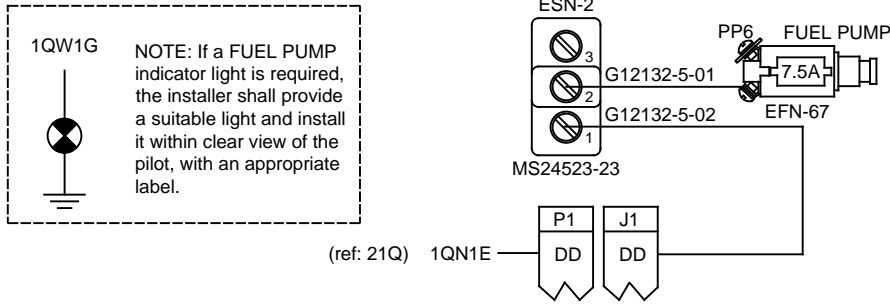
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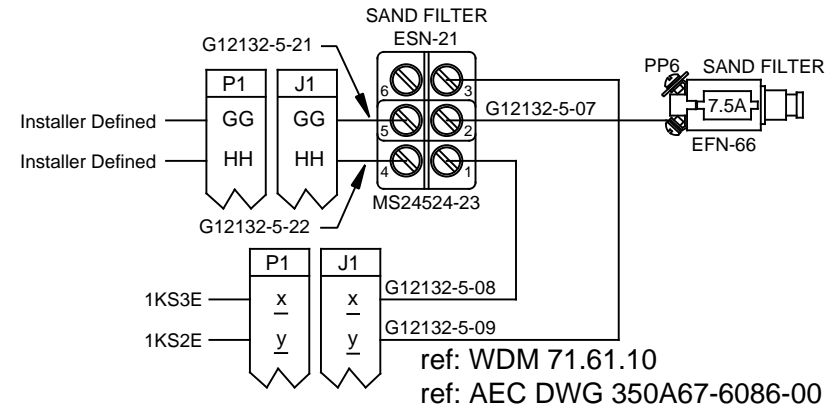
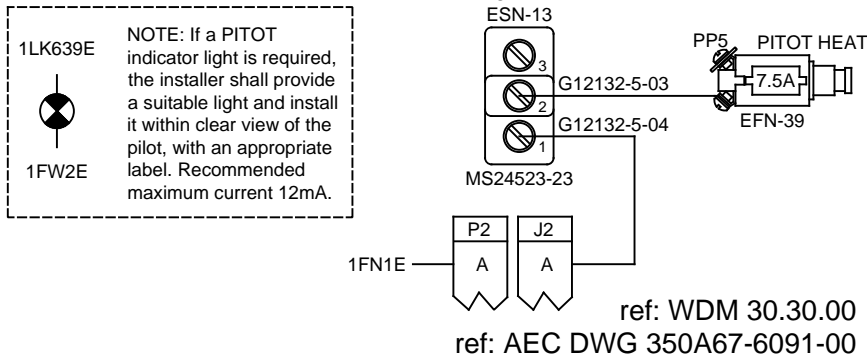
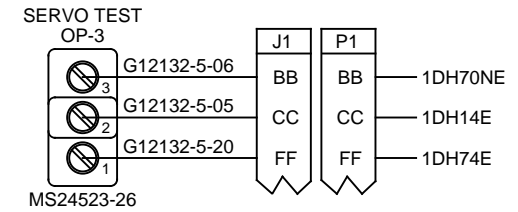
DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	LIGHTING CIRCUITS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-4-073274	REV.	--

ref: AEC DWG 350A67-0306-02  
 ref: WDM 28.00.00



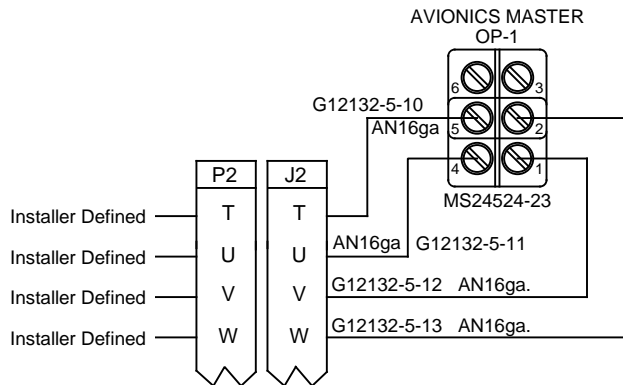
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 ref: WDM 29.10.20



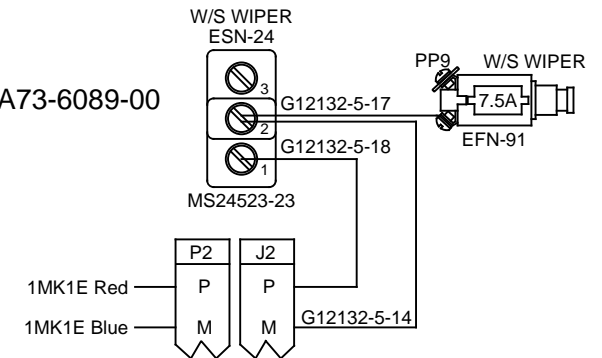
### SEE G12132-16-073274 FOR SAMPLE OPTIONAL CIRCUITS

The OP-x switches and wiring are optional. If they are installed, they must be labeled to show their function.

**SWITCH CURRENT RATINGS:**  
 MS24523-23: Resistive: 20A, Inductive: 15A, Lamp: 5A  
 MS24524-23: Resistive: 20A, Inductive: 15A, Lamp: 7A



ref: AEC DWG 350A73-6089-00  
 ref: WDM 30.42.00



SEE NOTES ON G12132-1

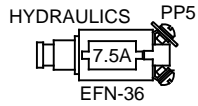
REV	DESCRIPTION	DATE	APROV.
B	ADDED PITOT INDICATOR LIGHT	03/04/10	RBH
A	CHANGED OP-3 LABEL & WIRING	03/23/09	RBH
REV	DESCRIPTION	DATE	APROV.
REVISION			



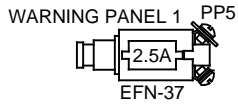
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DRAWN	RBH	DATE	10/10/07	TITLE
APPROVAL <td>CLB <td>DATE <td>10/10/07 <td>SWITCH DETAILS P132 and P122 CONSOLE WIRING</td> </td></td></td>	CLB <td>DATE <td>10/10/07 <td>SWITCH DETAILS P132 and P122 CONSOLE WIRING</td> </td></td>	DATE <td>10/10/07 <td>SWITCH DETAILS P132 and P122 CONSOLE WIRING</td> </td>	10/10/07 <td>SWITCH DETAILS P132 and P122 CONSOLE WIRING</td>	SWITCH DETAILS P132 and P122 CONSOLE WIRING
PRO NO. <td>GA107 <td>SHT. <td>1 <td>DWG NO. G12132-5-073274</td> </td></td></td>	GA107 <td>SHT. <td>1 <td>DWG NO. G12132-5-073274</td> </td></td>	SHT. <td>1 <td>DWG NO. G12132-5-073274</td> </td>	1 <td>DWG NO. G12132-5-073274</td>	DWG NO. G12132-5-073274
				REV. B

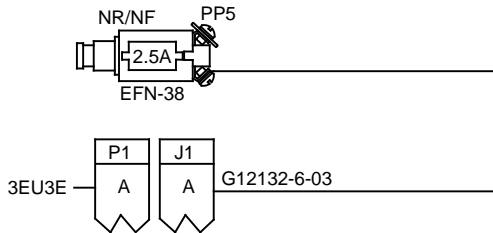
Detailed on G12132-3-073274



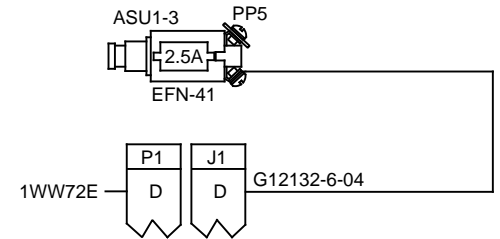
Detailed on G12132-3-073274



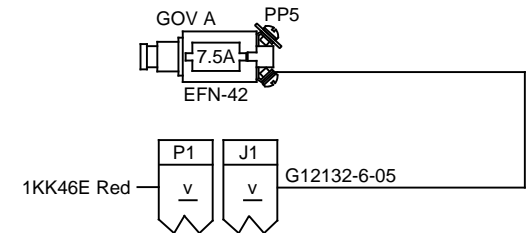
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 ref: WDM 62.30.00  
 ref: WDM 39.00.00



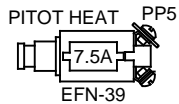
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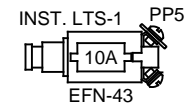
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 ref: WDM 39.00.00  
 ref: WDM 80.00.10



Detailed on G12132-5-073274



Detailed on G12132-4-073274



Effectivity: AS350B3 embodying mod 350A07-3274

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
A	MOVED EFN-37 WIRING OFF PAGE	03/23/09	RBH
REVISION			

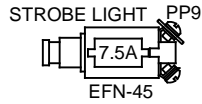


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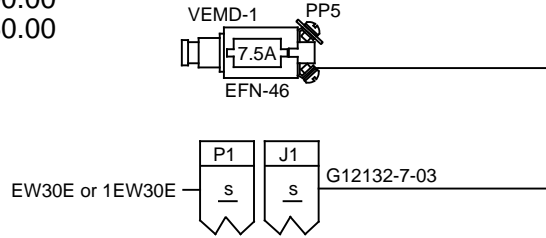
DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-6-073274	REV.	A

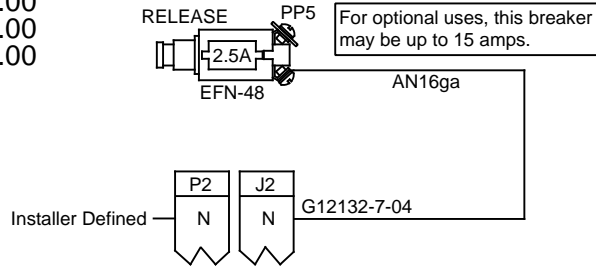
Detailed on G12132-4-073274



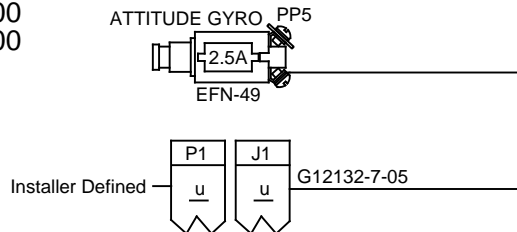
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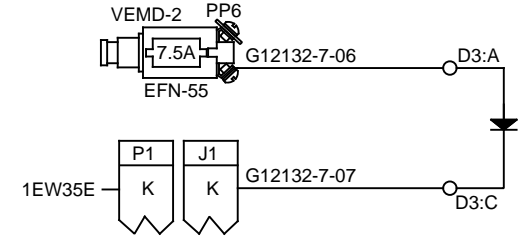
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 ref: AEC DWG 350A63-5016-00  
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 ref: WDM 39.00.00  
 ref: WDM 25.63.00  
 ref: WDM 25.80.00



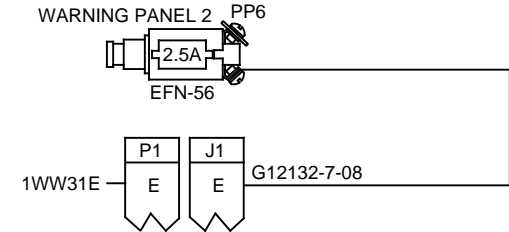
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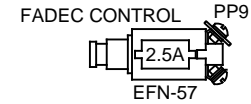
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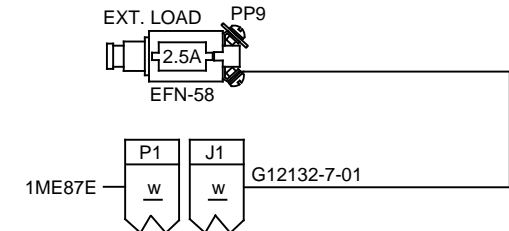
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Detailed on G12132-2-073274



ref: AEC DWG 350A63-6158-00  
 ref: WDM 25.80.00



Effectivity: AS350B3 embodying mod 350A07-3274

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

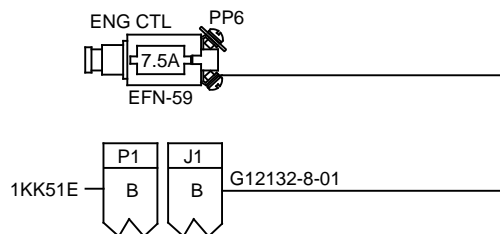


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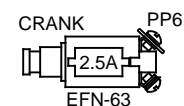
DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-7-073274	REV.	--

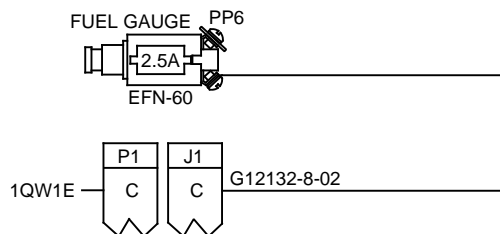
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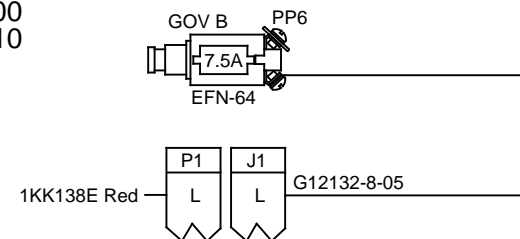
Detailed on G12132-3-073274



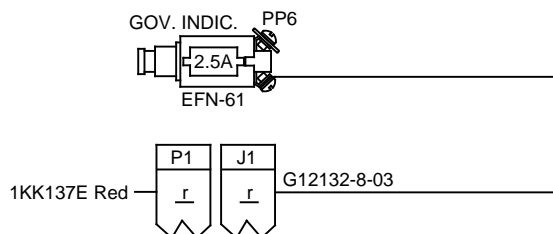
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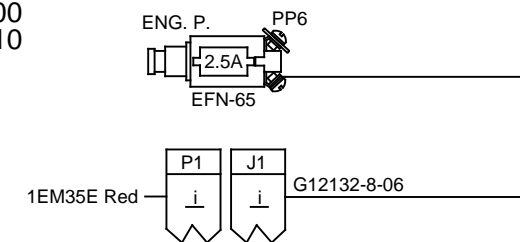
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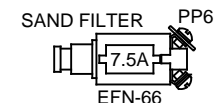
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ref: AEC DWG 350A67-0301-01  
 ref: WDM 39.00.00  
 ref: WDM 77.00.10



Detailed on G12132-5-073274



Effectivity: AS350B3 embodying mod 350A07-3274

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

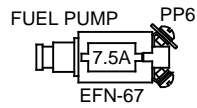


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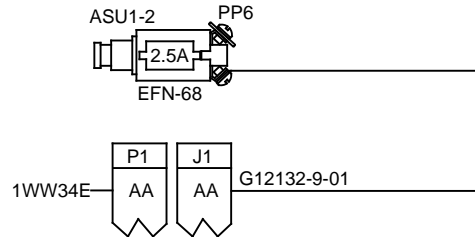
DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-8-073274	REV.	--

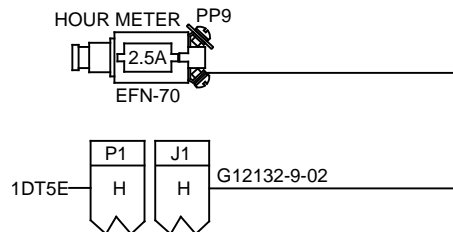
Detailed on G12132-5-073274



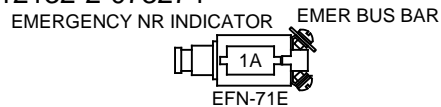
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ref: WDM 39.00.00  
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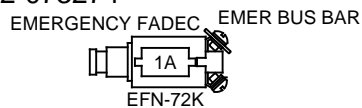
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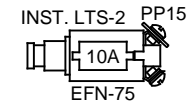
Detailed on G12132-2-073274



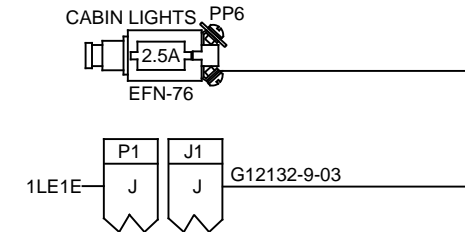
Detailed on G12132-2-073274



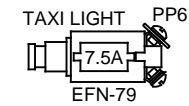
Detailed on G12132-4-073274



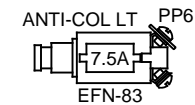
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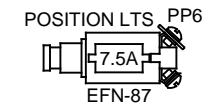
Detailed on G12132-4-073274



Detailed on G12132-4-073274



Detailed on G12132-4-073274



Effectivity: AS350B3 embodying mod 350A07-3274

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
A	CORRECTED TYPO ON EFN-72K	05/06/08	RBH
REVISION			

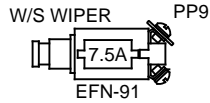


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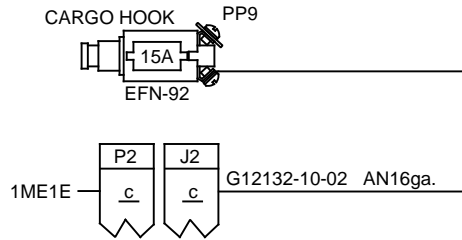
DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-9-073274	REV.	A

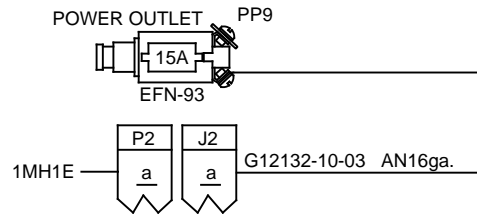
Detailed on G12132-5-073274



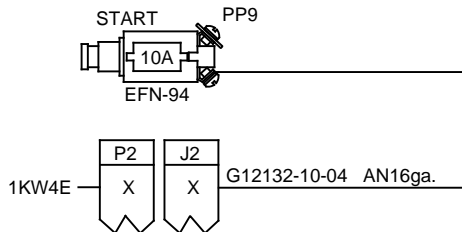
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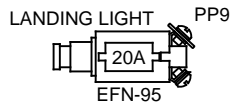
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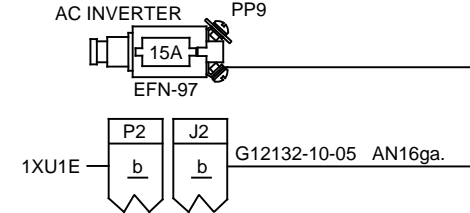
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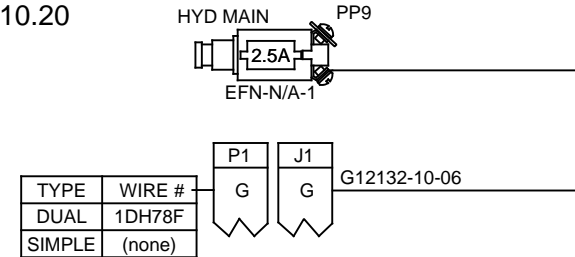
Detailed on G12132-4-073274



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ref: WDM 24.22.00

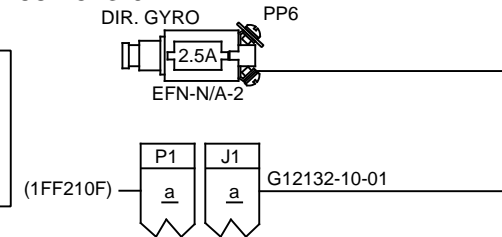


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ref: WDM 29.10.20

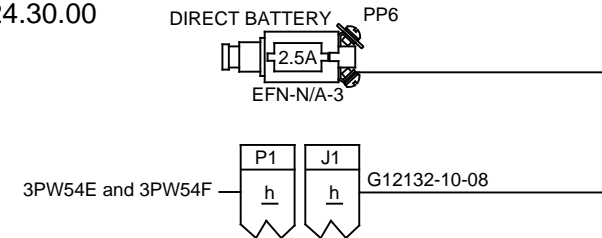


ref: AEC DWG 350A68-2543-01  
ref: WDM 34.20.00

Wire directly to the Directional gyro, or through an On/Off switch; or, this function may be moved to a breaker that is supplied from a switched bus.

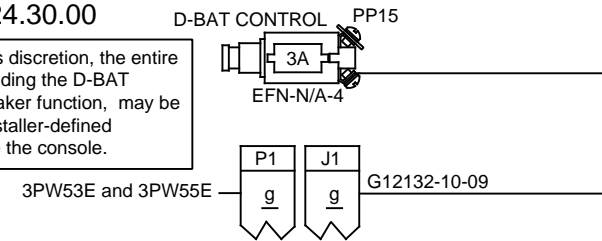


ref: AEC DWG 350A62-4101-00  
ref: WDM 24.30.00



ref: AEC DWG 350A62-4101-00  
ref: WDM 24.30.00

At the installer's discretion, the entire PP15 bus, including the D-BAT CONTROL breaker function, may be moved to an installer-defined location outside the console.



Effectivity: AS350B3 embodying mod 350A07-3274

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
C	UPDATED EFN-N/A-1 CIRCUIT	03/23/09	RBH
B	UPDATED EFN-94 AIRCRAFT WIRE; REASSIGNED EFN-N/A-1	03/02/09	RBH
A	ADDED WDM REFERENCES	05/06/08	RBH
REVISION			

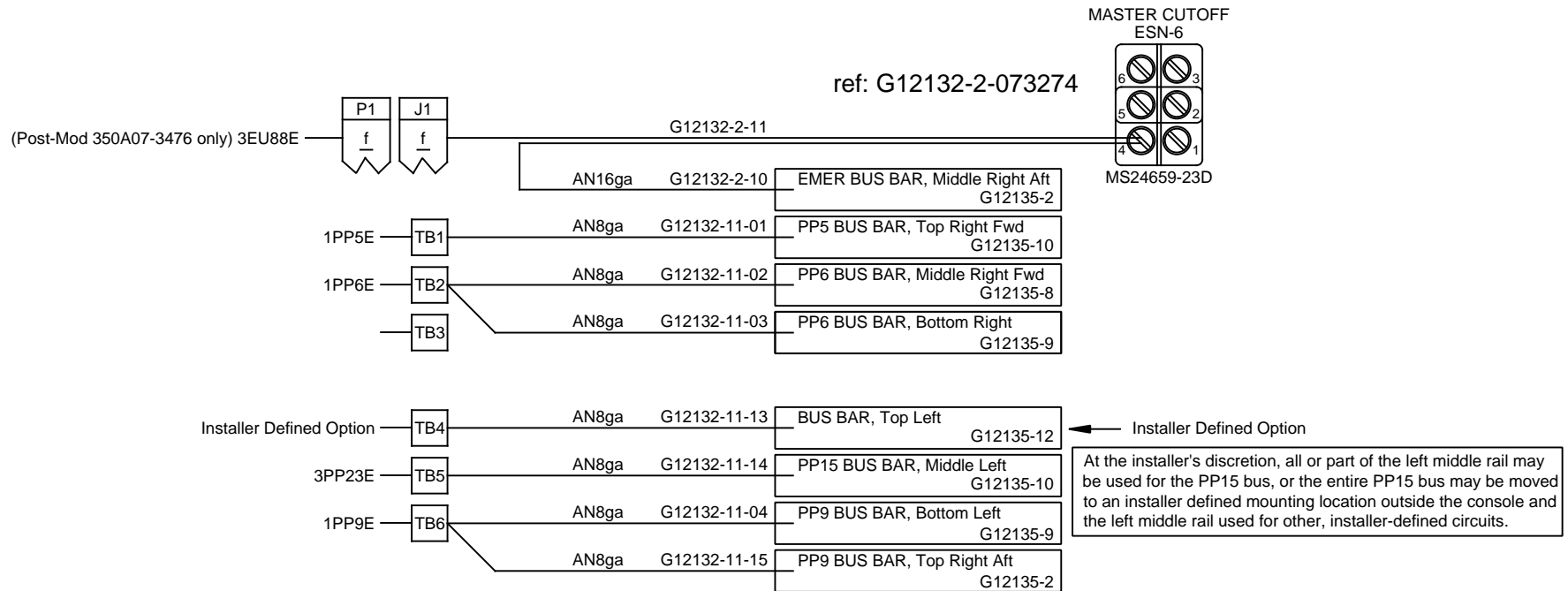


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DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING
DWG NO.	G12132-10-073274
REV.	C

ref: AEC DWG 350A62-0046-00  
 ref: AEC DWG 350A62-4101-00  
 ref: AEC DWG 350A67-0302-02  
 ref: WDM 24.30.00  
 ref: WDM 77.00.10



### Primary Power to Circuit Breakers

Effectivity: AS350B3 embodying mod 350A07-3274

SEE NOTES ON G12132-1

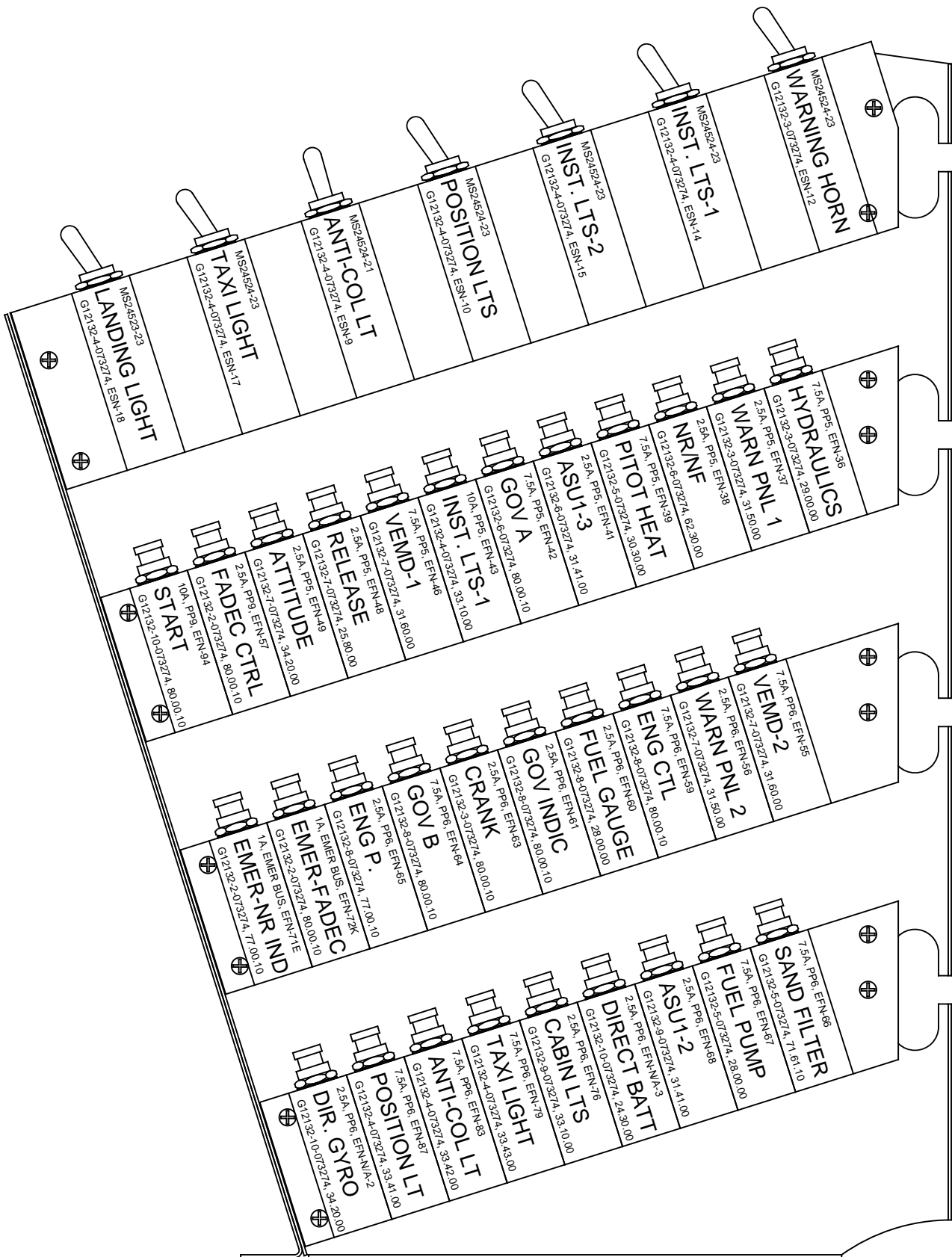
REV	DESCRIPTION	DATE	APROV.
A	ADDED 3EU88E CONNECTIONS	05/12/10	RBH
REVISION			



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DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	BUS BAR DETAILS		
	P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-11-073274	REV.	A



FWD

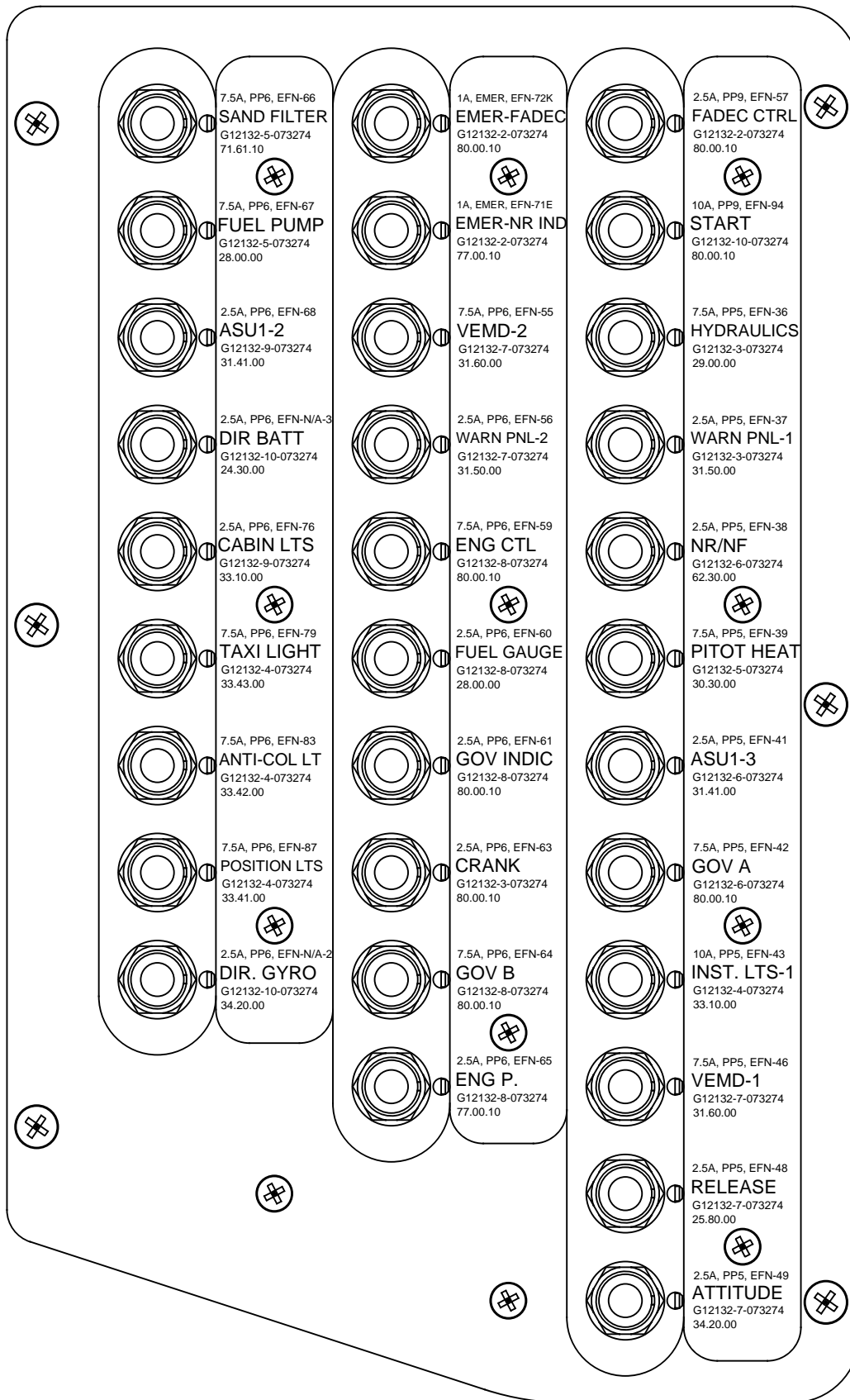
Effectivity: AS350B3 Embodiment  
Mod 350A07-3274



REV	DESCRIPTION	DATE	APPROV.
B	CHANGED EFN-37 WIRING PAGE	03/23/09	RBH
A	ADDED EFN-N/A-3 WDM REFERENCE	05/06/08	RBH
REV	DESCRIPTION	DATE	APPROV.
REVISION			

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DESIGNED	RBH	DATE	10/10/07
DRAWN	RBH	DATE	10/10/07
CHECKED	GA	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE		CONSULE BREAKER LAYOUT	
P132 RIGHT SIDE VIEW for AS350B3			
DWG NO.	G12132-13-073274	REV.	b



Effectivity: AS350B3 Embodiment  
Mod 350A07-3274

FWD

**GENEVA**  
AVIATION

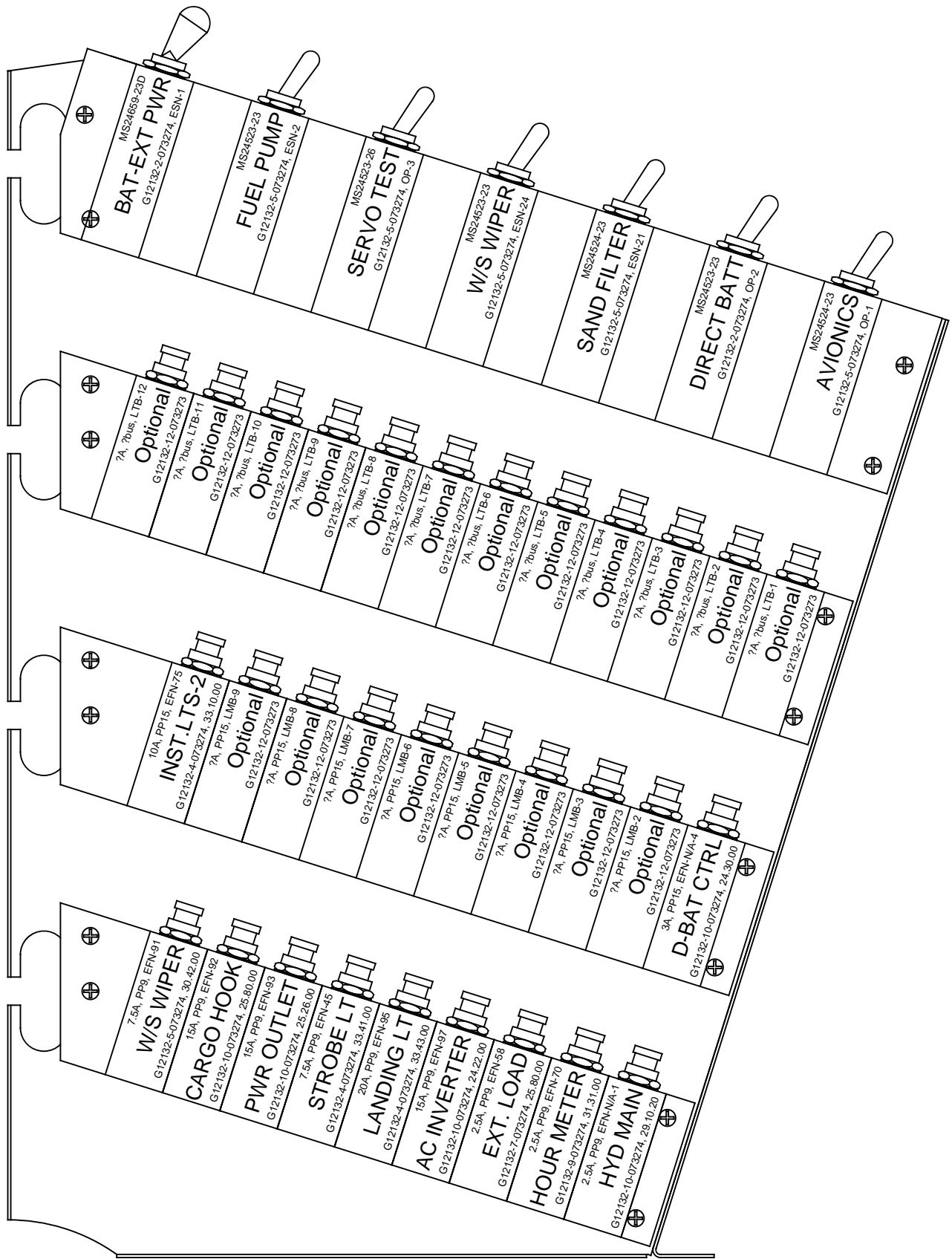
www.genevaaviation.com

REV	DESCRIPTION	DATE	APPROV.
B	CHANGED EFN-37 WIRING PAGE	03/23/09	RBH
A	ADDED EFN-N/A-3 WDM REFERENCE	05/06/08	RBH
REVISION			

DESIGNED	RBH	DATE	10/10/07
DRAWN	RBH	DATE	10/10/07
CHECKED	GA	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CONSOLE BREAKER LAYOUT
P122 RIGHT SIDE VIEW for AS350B3	
DWG NO.	G12132-13-073274-P122
REV.	B

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← FWD

Effectivity: AS350B3 - Embodiment  
Mod 350A07-3274



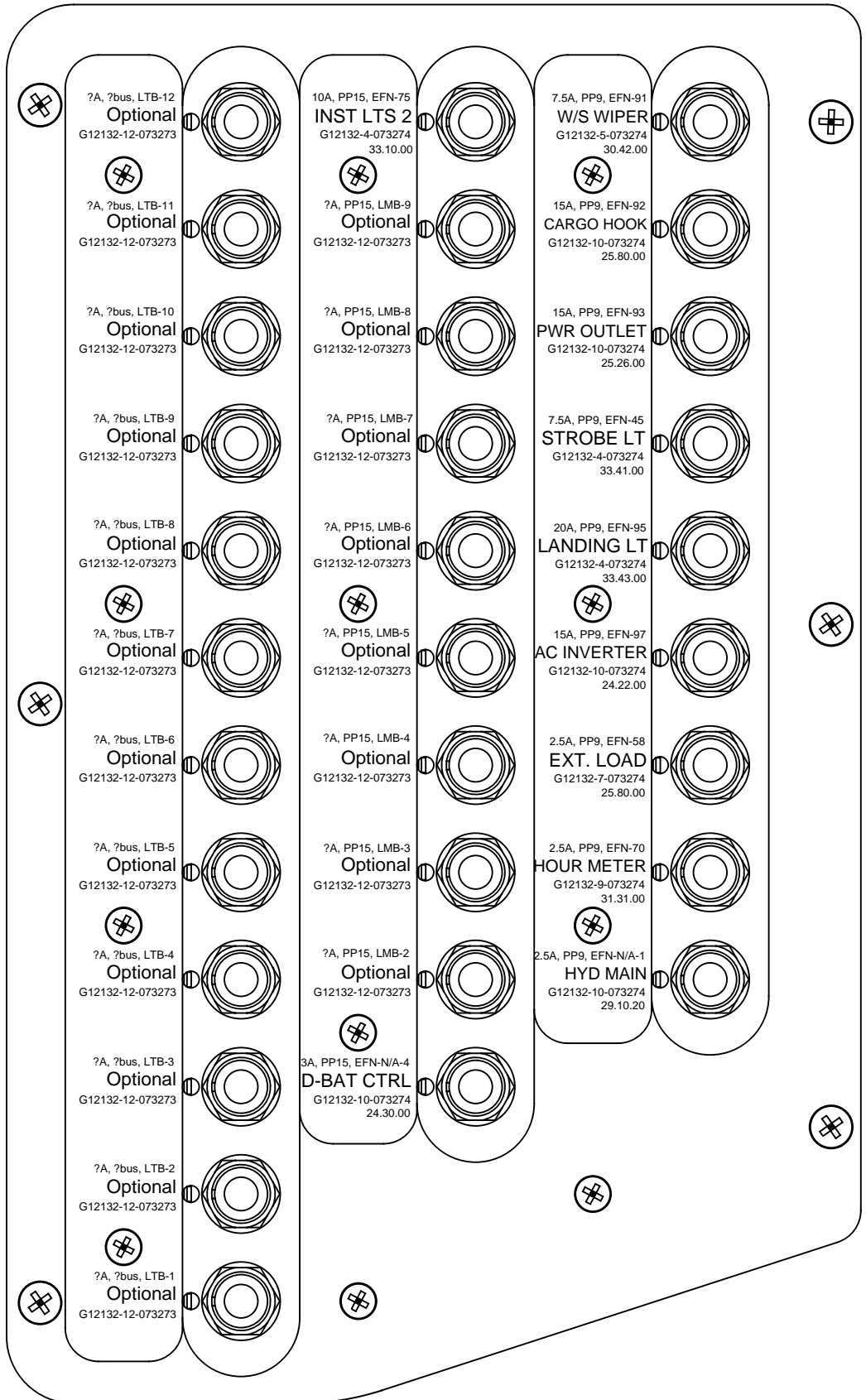
www.genevaaviation.com

REV	DESCRIPTION	DATE	APPROV.
B	EFN-N/A-1 & OP-3 NOW ASSIGNED TO DUAL HYDRAULICS FUNCTIONS	03/23/09	RBH
A	ADDED EFN-N/A-4 WDM REFERENCE	05/06/08	RBH
REV	DESCRIPTION	DATE	APPROV.
	REVISION		

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DESIGNED	RBH	DATE	10/10/07
DRAWN	RBH	DATE	10/10/07
CHECKED	GA	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CONSOLE BREAKER LAYOUT	
	P132 LEFT SIDE VIEW for AS350B3	
DWG NO.	G12132-14-073274	REV. B



← FWD

Effectivity: AS350B3 Embodying  
Mod 350A07-3274



B	ASSIGNED EFN-N/A-1 TO HYD MAIN	03/23/09	RBH
A	ADDED EFN-N/A-4 WDM REFERENCE	05/06/08	RBH
REV	DESCRIPTION	DATE	APPROV.
	REVISION		

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DESIGNED	RBH	DATE	10/10/07
DRAWN	RBH	DATE	10/10/07
CHECKED	GA	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CONSOLE BREAKER LAYOUT P122 LEFT SIDE VIEW for AS350B3		
DWG NO.	G12132-14-073274-P122	REV.	B

Note: HYD TEST  
switch may be marked  
ACCU TST

MS24524-31  
**GENERATOR ON**  
G12132-3-073274, ESN-3

MS24658-26F  
**HYD TEST**  
G12132-3-073274, ESN-11

MS27407-3  
**WARN / FIRE TEST**  
G12132-3-073274, ESN-7

MS24523-26  
**CRANK ENGINE**  
G12132-3-073274, ESN-5

MS24659-23D  
**MASTER CUTOFF**  
G12132-2-073274, ESN-6

MS24523-23  
**PITOT HEAT**  
G12132-5-073274, ESN-13

MS24659-23D  
**BAT-EXT PWR**  
G12132-2-073274, ESN-1



MS24523-23  
**FUEL PUMP**  
G12132-5-073274, ESN-2



MS24523-26  
**OP-3**  
G12132-5-073274, OP-3



MS24523-23  
**W/S WIPER**  
G12132-5-073274, ESN-24



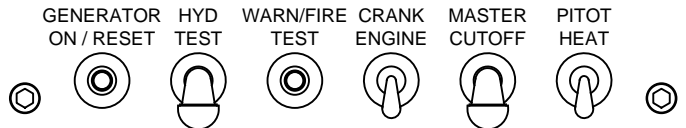
MS24524-23  
**SAND FILTER**  
G12132-5-073274, ESN-21



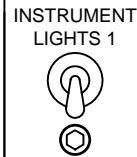
MS24523-23  
**DIRECT BATT**  
G12132-2-073274, OP-2



MS24524-23  
**AVIONICS**  
G12132-5-073274, OP-1



MS24524-23  
**WARNING HORN**  
G12132-3-073274, ESN-12



MS24524-23  
**INST. LTS-1**  
G12132-4-073274, ESN-14



MS24524-23  
**INST. LTS-2**  
G12132-4-073274, ESN-15



MS24524-23  
**POSITION LTS**  
G12132-4-073274, ESN-10



MS24524-21  
**ANTI-COL LT**  
G12132-4-073274, ESN-9



MS24524-23  
**TAXI LIGHT**  
G12132-4-073274, ESN-17



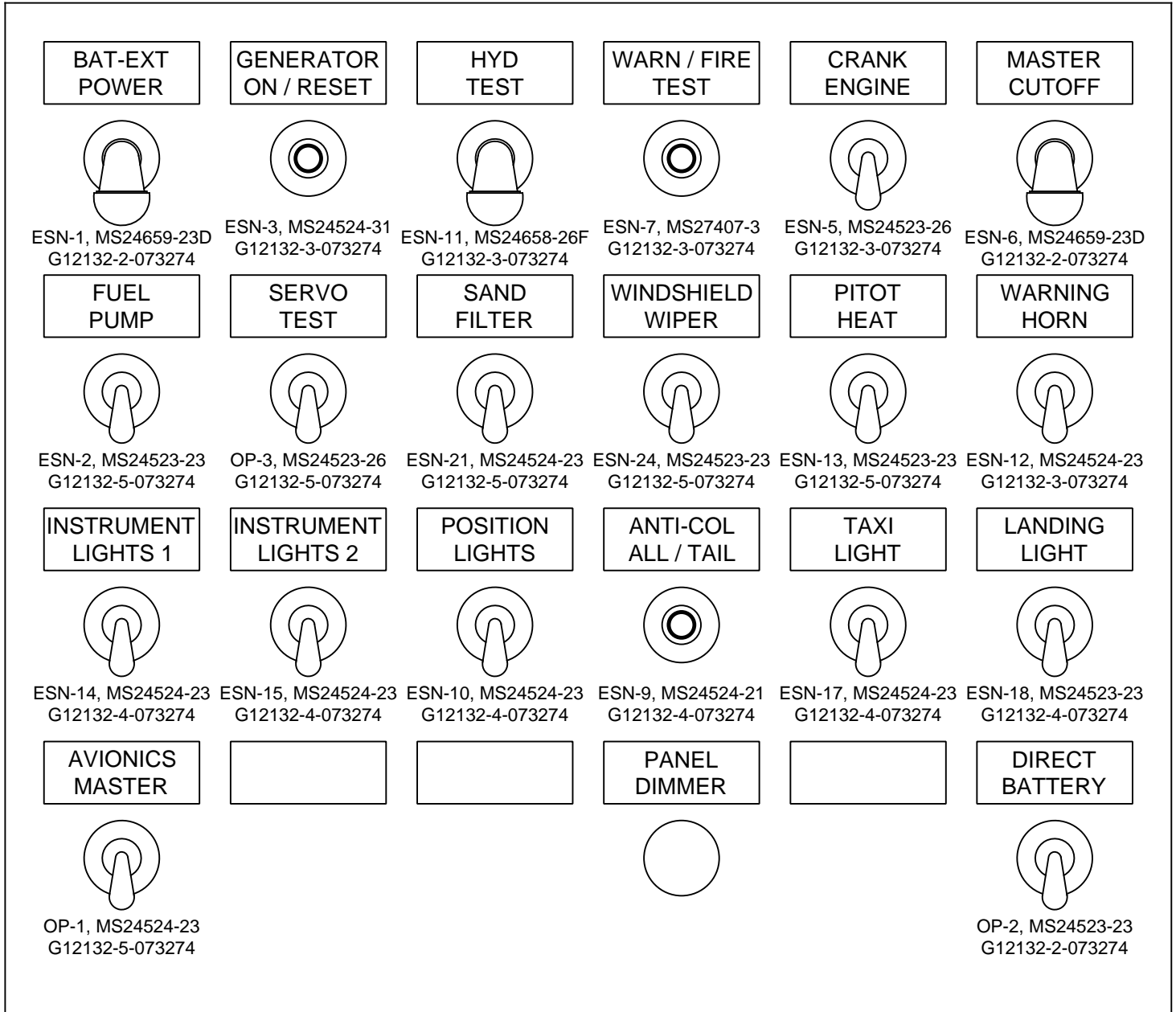
MS24523-23  
**LANDING LT**  
G12132-4-073274, ESN-18

Effectivity: AS350B3 Embodying  
Mod 350A07-3274



REV	DESCRIPTION	DATE	APPROV.	THIS DOCUMENT INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.	DESIGNED	DATE	TITLE	DWG NO.	REV.	
C	ADDED ACCU TST NOTE	10/20/17	GA	THIS DOCUMENT INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.	RBH	10/10/07	CONSOLE SWITCH LAYOUT P132 TOP VIEW for AS350B3	G12132-15-073274	C	
B	CHANGED ESN-11 SWITCH TYPE,	04/12/17	GA		DRAWN	RBH				10/10/07
A	CHANGED ESN-7 SWITCH TYPE, SET OP-3 LABEL FOR DUAL HYD	03/23/09	RBH		CHECKED	GA				10/10/07
					APPROVAL	CLB				10/10/07
					PRO NO.	GA107				SHT.

# P122 CONSOLE LAYOUT



Note: HYD TEST switch may be marked ACCU TST

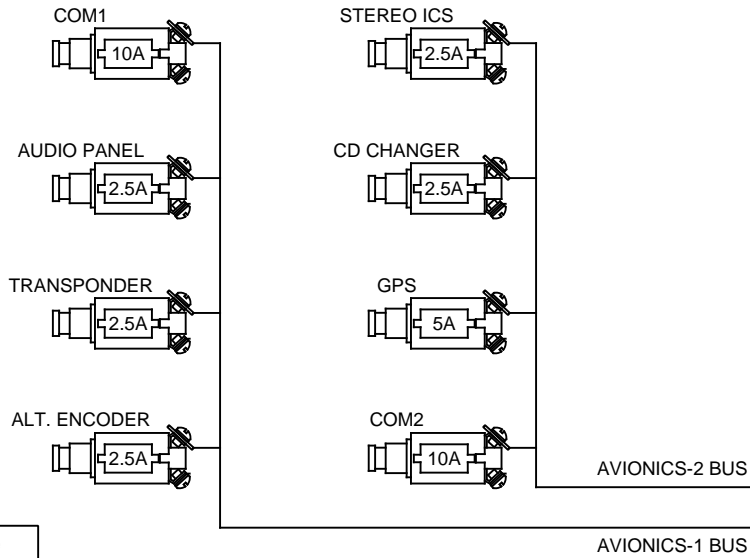
Effectivity: AS350B3 Embodying  
Mod 350A07-3274



REV	DESCRIPTION	DATE	APROV.	THIS DOCUMENT INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.	DESIGNED RBH	DATE 10/10/07	TITLE	DWG NO.	REV.
C	ADDED ACCU TST NOTE	10/20/17	GA	THIS DOCUMENT INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.	DRAWN RBH	DATE 10/10/07	CONSOLE SWITCH LAYOUT P122 TOP VIEW for AS350B3	G12132-15-073274-P122	C
B	CHANGED ESN-11 SWITCH TYPE,	04/12/17	GA		CHECKED GA	DATE 10/10/07			
A	CHANGED ESN-7 SWITCH TYPE, SET OP-3 LABEL FOR DUAL HYD	03/23/09	RBH		APPROVAL CLB	DATE 10/10/07			
					PRO NO. GA107	SHT. 1			
	REVISION								

# SAMPLE OPTIONAL CIRCUITS

More samples on G12132-17-073274

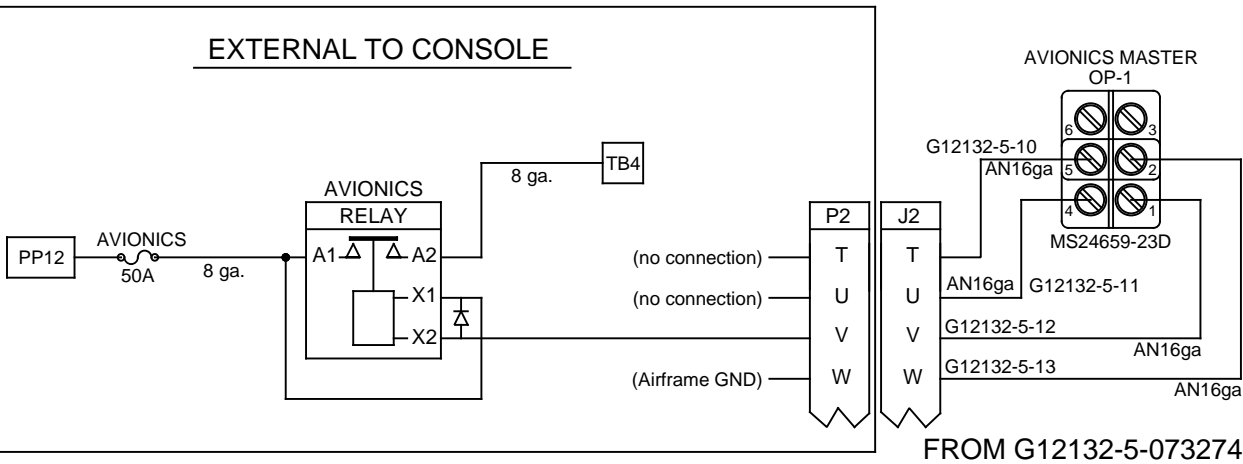


Avionics breakers may be mounted in the Optional rails, or in an installer-defined location outside the console.

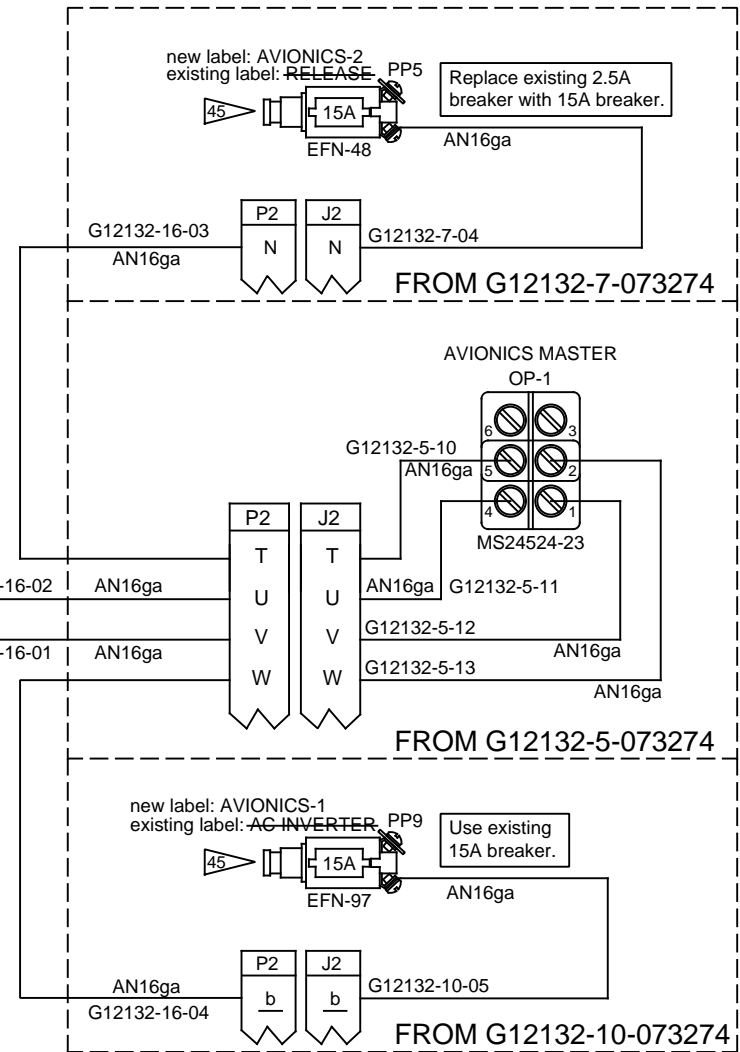
Sample AVIONICS circuit

# Sample AVIONICS MASTER circuit

## EXTERNAL TO CONSOLE



FROM G12132-5-073274



Alternatively, separate AVIONICS-1 and AVIONICS-2 bus breakers may be mounted in the optional rails, or in an installer-defined location outside the console, and powered separately.

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		



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DRAWN	RBH	DATE	10/10/07	TITLE	AVIONICS SAMPLE CIRCUITS
APPROVAL	CLB	DATE	10/10/07		P132 and P122 CONSOLE WIRING
PRO NO.	GA107	SHT.	1	DWG NO.	G12132-16-073274
REV.	--				

# SAMPLE OPTIONAL CIRCUITS

More samples on G12132-18-073274

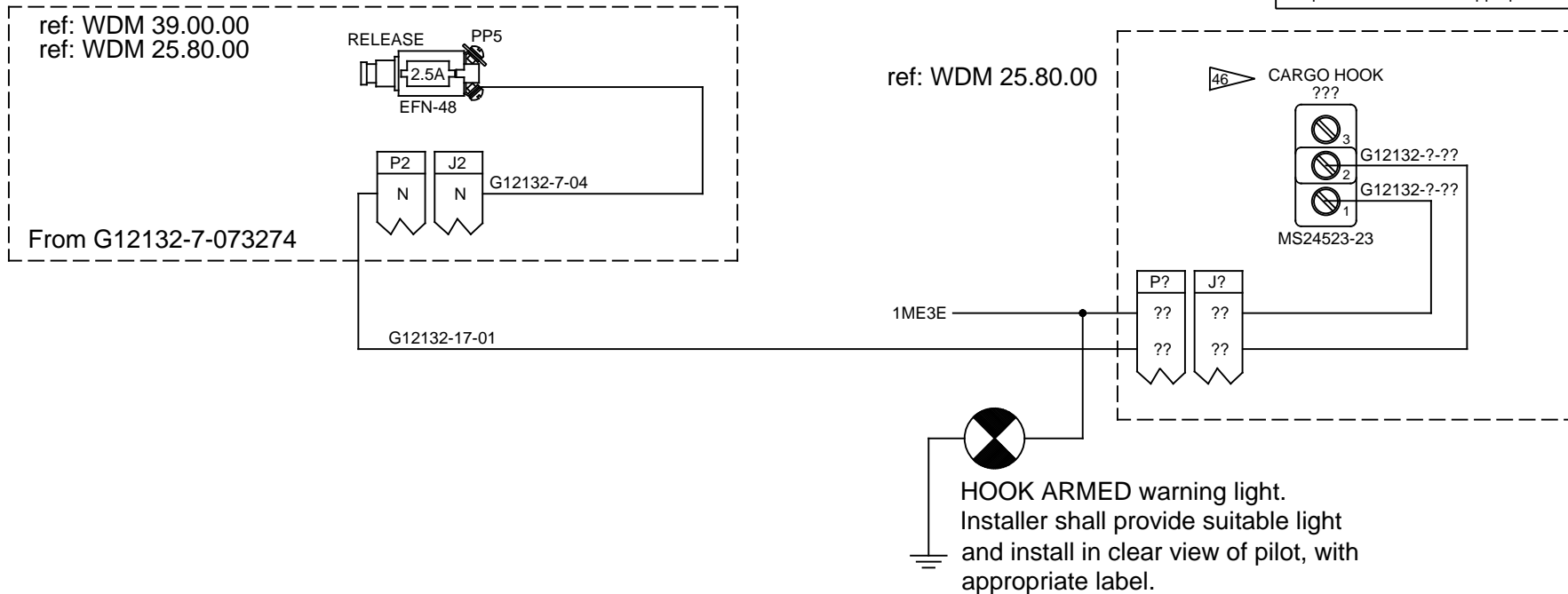
## SWITCH CURRENT RATINGS:

MS24523-23: Resistive: 20A, Inductive: 15A, Lamp: 5A

MS24524-23: Resistive: 20A, Inductive: 15A, Lamp: 7A

### Sample CARGO HOOK circuit

46 There is no standard switch assigned to the CARGO HOOK function in the -073274 version of the console. If a CARGO HOOK circuit is required, implement it using an available optional switch, or using a switch mounted in an installer-defined location outside the console, assigning unique wire numbers as appropriate.



Effectivity: AS350B3 embodying mod 350A07-3274

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		



THIS DRAWING INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.

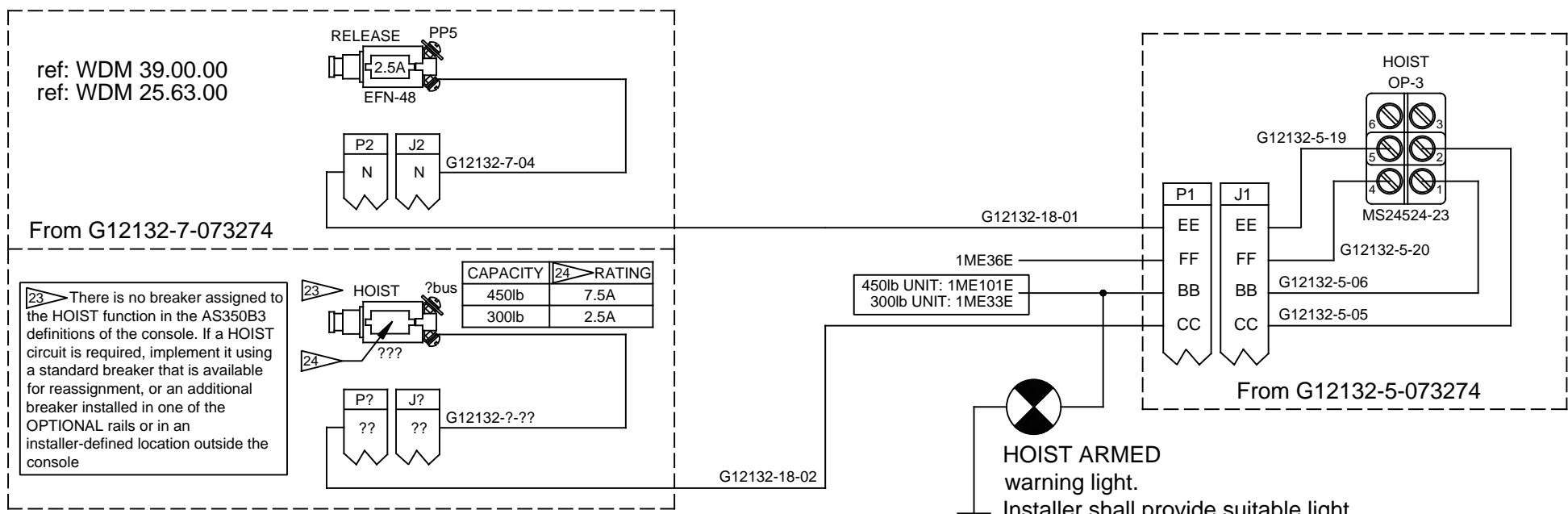
DRAWN	RBH	DATE	10/10/07
APPROVAL	CLB	DATE	10/10/07
PRO NO.	GA107	SHT.	1

TITLE	CARGO HOOK SAMPLE CIRCUIT P132 and P122 CONSOLE WIRING	
DWG NO.	G12132-17-073274	REV. --

# SAMPLE OPTIONAL CIRCUITS

More samples on G12132-16-073274

**SWITCH CURRENT RATINGS:**  
 MS24523-23: Resistive: 20A, Inductive: 15A, Lamp: 5A  
 MS24524-23: Resistive: 20A, Inductive: 15A, Lamp: 7A



ref: WDM 39.00.00  
 ref: WDM 25.63.00

From G12132-7-073274

23 There is no breaker assigned to the HOIST function in the AS350B3 definitions of the console. If a HOIST circuit is required, implement it using a standard breaker that is available for reassignment, or an additional breaker installed in one of the OPTIONAL rails or in an installer-defined location outside the console


CAPACITY	RATING
450lb	7.5A
300lb	2.5A

**HOIST ARMED**  
 warning light.  
 Installer shall provide suitable light and install in clear view of pilot, with appropriate label.

## SAMPLE HOIST CIRCUIT

Effectivity: AS350B3 embodying mod 350A07-3274

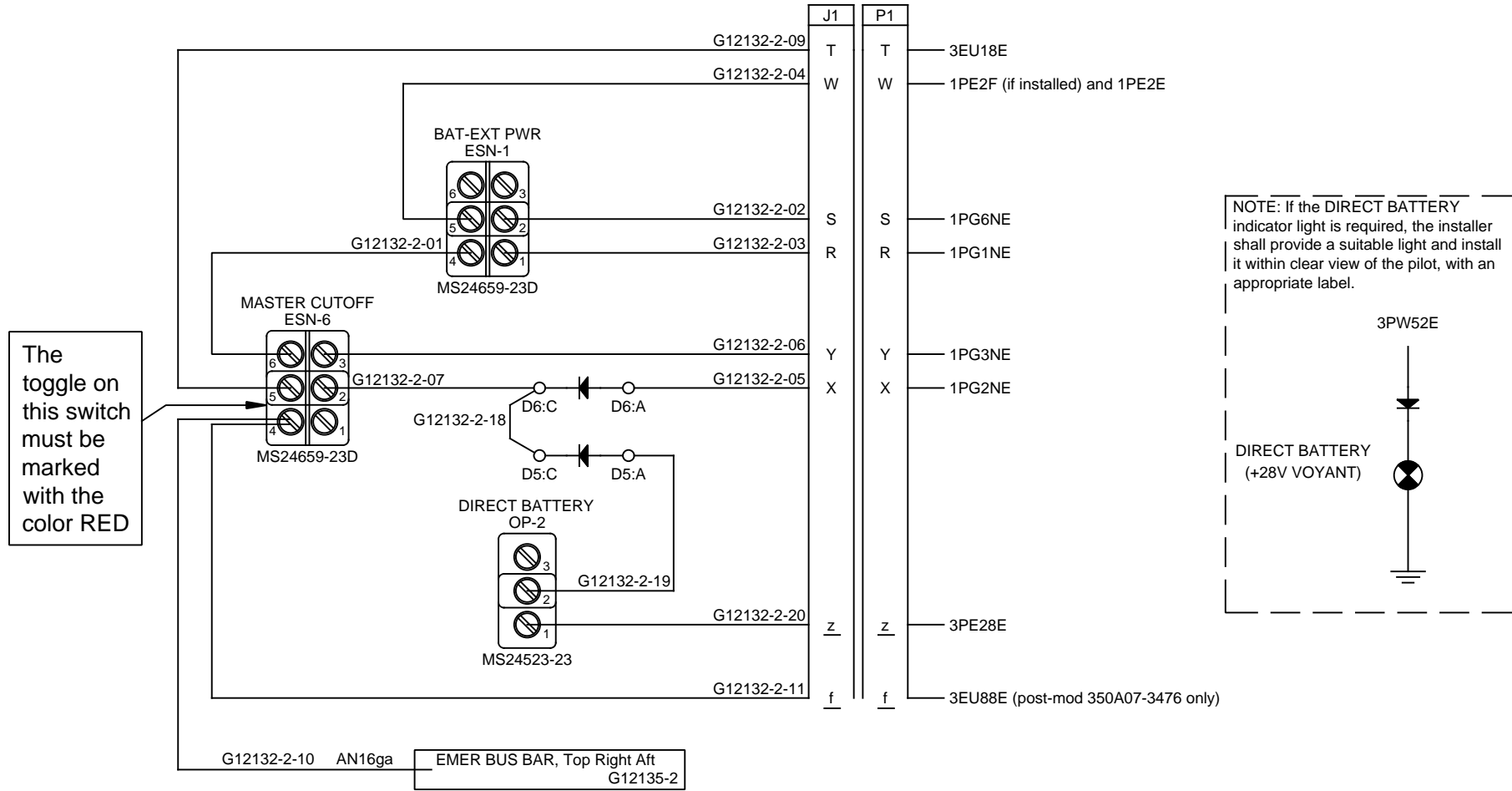
SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.	 <p>www.genevaaviation.com</p>	THIS DRAWING INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.	DRAWN	RBH	DATE	10/10/07	TITLE	HOIST SAMPLE CIRCUIT	
						APPROVAL	CLB	DATE	10/10/07	P132 and P122 CONSOLE WIRING		
	REVISION					PRO NO.	GA107	SHT.	1	DWG NO.	G12132-18-073274	REV.

ref: AEC DWG 350A62-4100-02  
 ref: AEC DWG 350A62-4101-00  
 ref: AEC DWG 350A67-2690-01  
 ref: WDM 24.30.00  
 ref: WDM 77.00.10

**NOTICE:**

The circuitry related to the BAT-EXT PWR switch and the MASTER ELECTRICAL CUTOFF switch has been changed from the Eurocopter original circuitry. The functions are the same, but the wiring is different. Install using this wiring, and use this drawing for future electrical trouble shooting.



Effectivity: AS350B2 embodying mod 350A07-3368

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APPROV.
A	ADDED 3EU88E CONNECTIONS	05/12/10	RBH
REVISION			



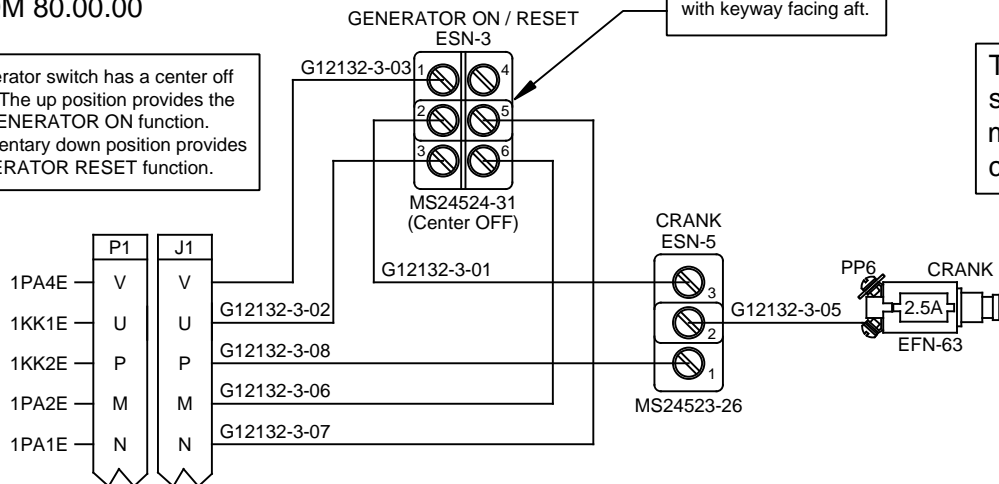
THIS DRAWING INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.

DRAWN	RBH	DATE	04/06/10
APPROVAL	CLB	DATE	04/06/10
PRO NO.	GA107	SHT.	1

TITLE	SWITCH DETAILS for B2 P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-2-073368	REV.	A

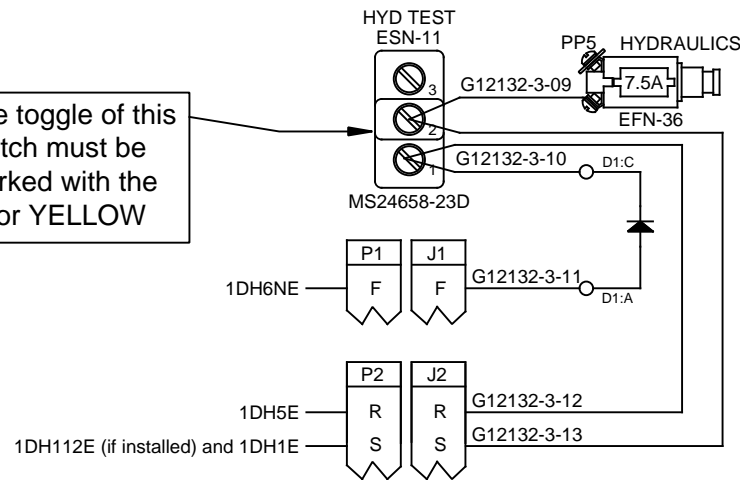
ref: AEC DWG 350A62-4100-02  
 ref: AEC DWG 350A67-2688-00  
 ref: WDM 24.30.00  
 ref: WDM 80.00.00

The Generator switch has a center off position. The up position provides the normal GENERATOR ON function. The momentary down position provides the GENERATOR RESET function.



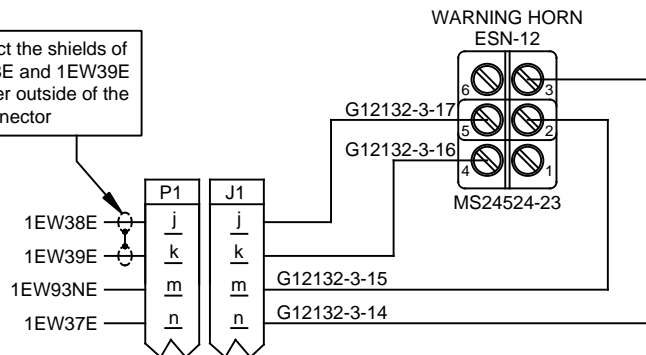
The toggle of this switch must be marked with the color YELLOW

ref: AEC DWG 350A67-6092-02  
 ref: WDM 29.00.00



ref: AEC DWG 350A67-4154-00  
 ref: WDM 62.30.00

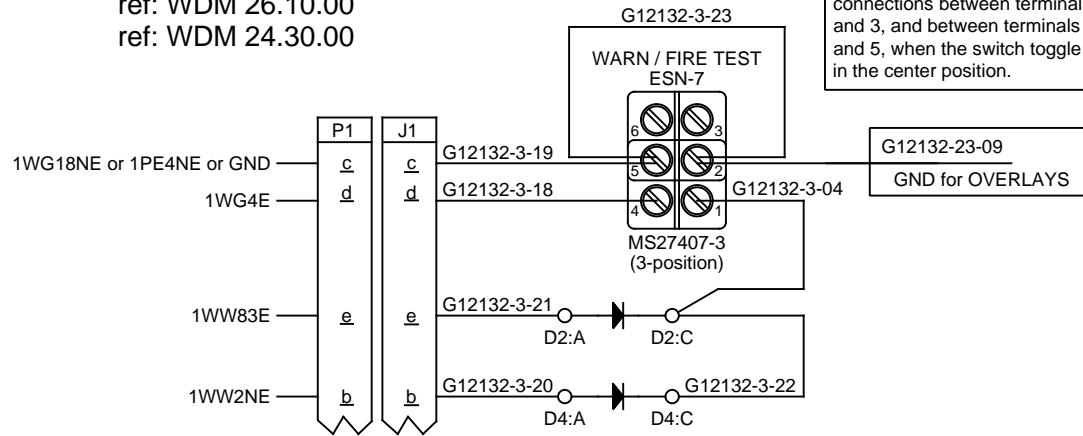
Connect the shields of 1EW38E and 1EW39E together outside of the P1 connector



ref: AEC DWG 350A62-4100-02  
 ref: AEC DWG 350A67-2685-00  
 ref: AEC DWG 350A67-4166-00  
 ref: WDM 26.10.00  
 ref: WDM 24.30.00

This 3-position switch performs the FIRE TEST function in the aft position

NOTE: ESN-7 maintains connections between terminals 2 and 3, and between terminals 4 and 5, when the switch toggle is in the center position.



Effectivity: AS350B2 embodying mod 350A07-3368

SEE NOTES ON G12132-1

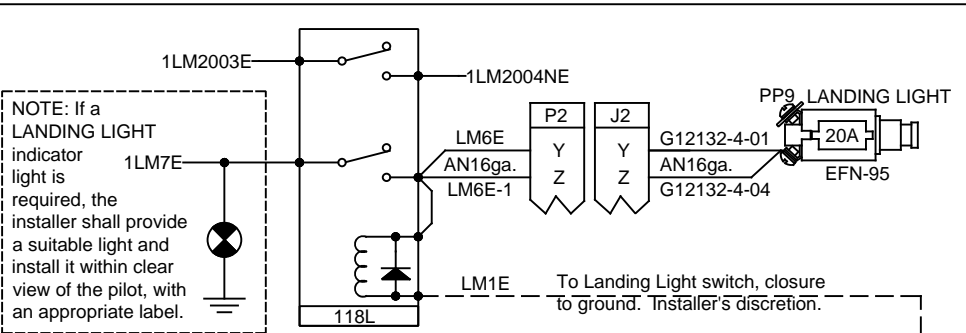
REV	DESCRIPTION	DATE	APROV.
	REVISION		



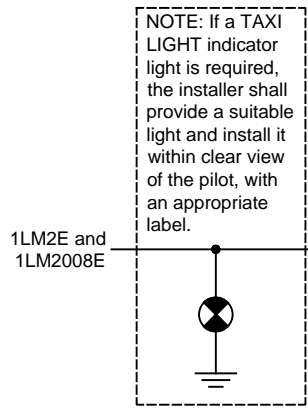
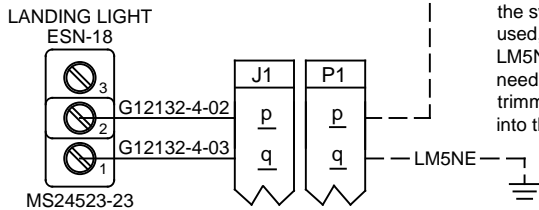
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DRAWN	RBH	DATE	04/06/10
APPROVAL	CLB	DATE	04/06/10
PRO NO.	GA107	SHT.	1

TITLE	SWITCH DETAILS for B2 P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-3-073368	REV.	--



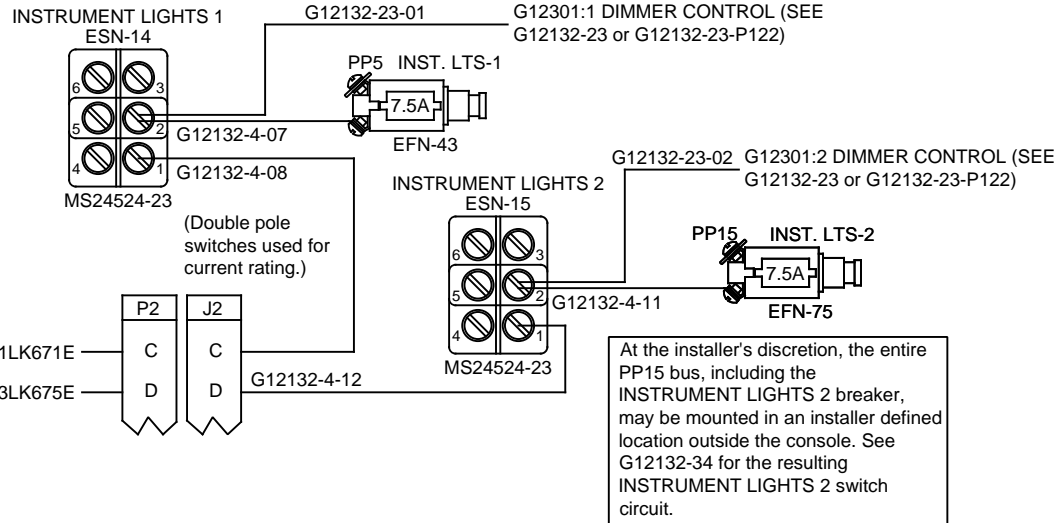
ref: AEC DWG 350A64-7316-00  
ref: WDM 33.43.00



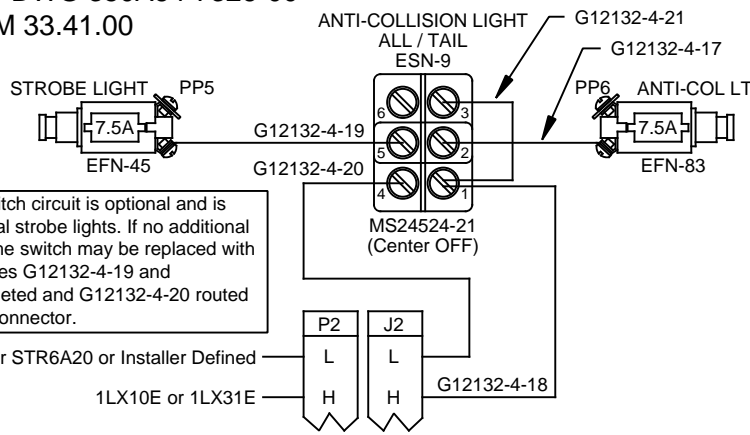
ref: AEC DWG 350A64-7312-01  
ref: WDM 33.43.00

ref: AEC DWG 350A64-7309-00  
ref: WDM 33.41.00

ref: AEC DWG 350A64-7307-01  
ref: WDM 33.10.00



ref: AEC DWG 350A64-7326-00  
ref: WDM 33.41.00



ref: AEC DWG 350A64-7308-00  
ref: WDM 33.42.00

Effectivity: AS350B2 embodying mod 350A07-3368

SEE NOTES ON G12132-1



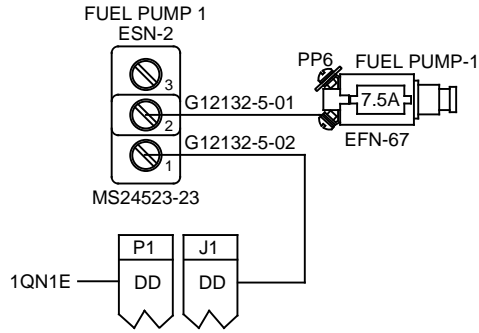
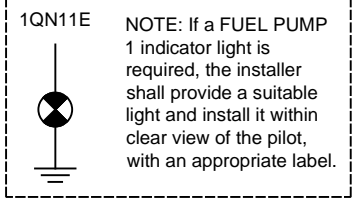
THIS DRAWING INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.

DRAWN	RBH	DATE	04/06/10
APPROVAL	CLB	DATE	04/06/10
PRO NO.	GA107	SHT.	1

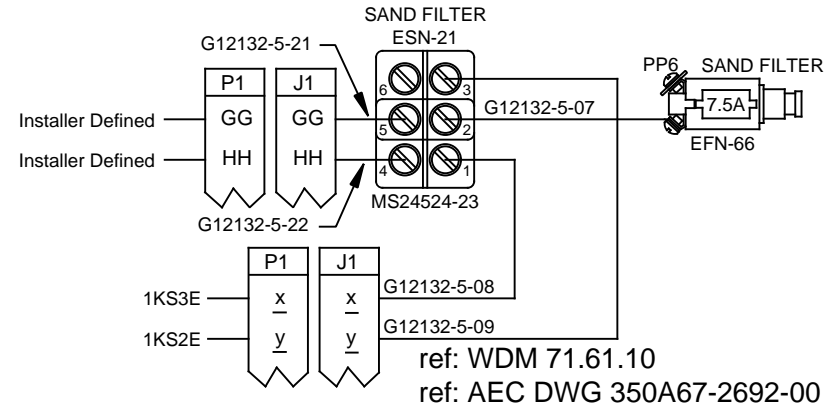
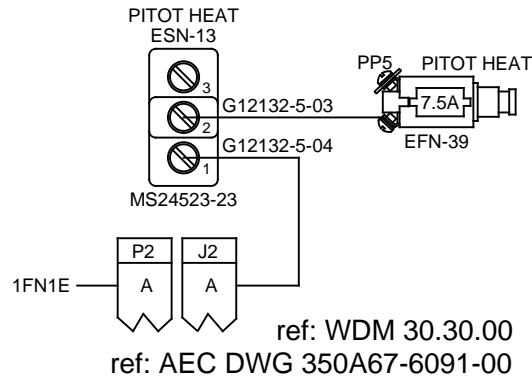
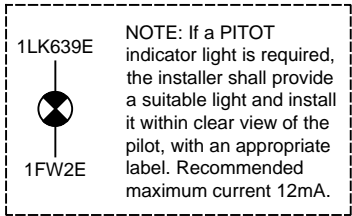
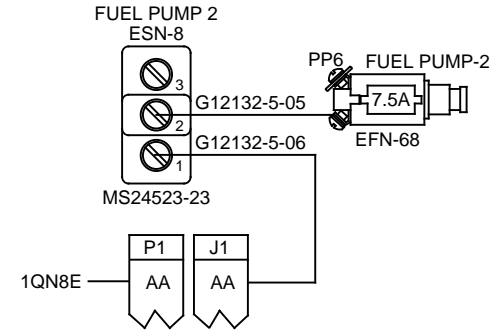
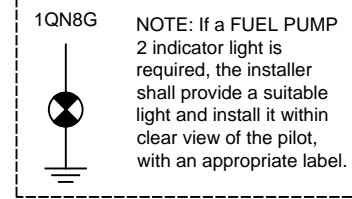
TITLE	LIGHTING CIRCUITS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-4-073368	REV.	--

REV	DESCRIPTION	DATE	APROV.
	REVISION		

ref: AEC DWG 350A67-2686-00  
ref: WDM 28.00.00



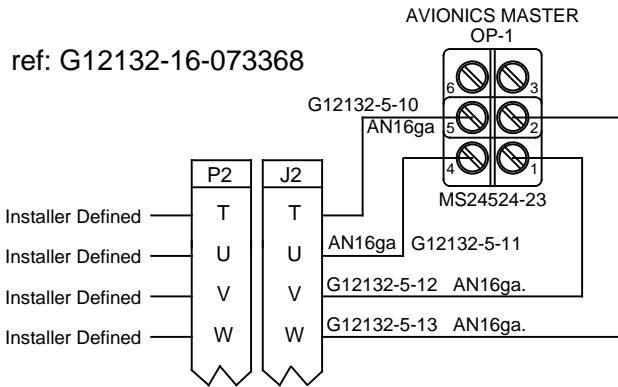
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ref: WDM 28.00.00



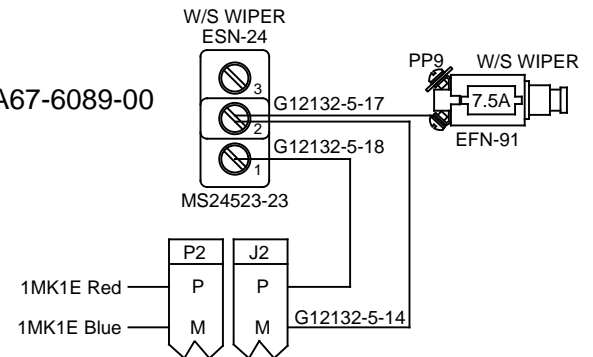
SEE G12132-16-073368 FOR SAMPLE OPTIONAL CIRCUITS

If the OP-x switches and wiring are installed, they must be labeled to show their function.

SWITCH CURRENT RATINGS:  
MS24523-23: Resistive: 20A, Inductive: 15A, Lamp: 5A  
MS24524-23: Resistive: 20A, Inductive: 15A, Lamp: 7A



ref: AEC DWG 350A67-6089-00  
ref: WDM 30.42.00



Effectivity: AS350B2 embodying mod 350A07-3368

SEE NOTES ON G12132-1

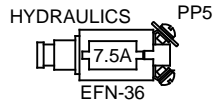
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	REVISION		



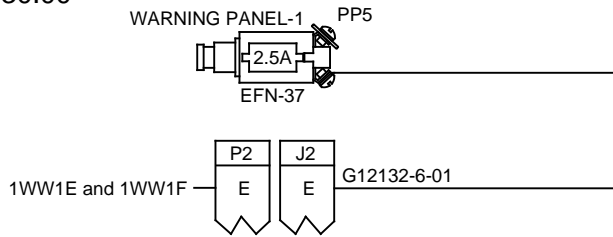
THIS DRAWING INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.

DRAWN RBH	DATE 04/06/10	TITLE SWITCH DETAILS for B2 P132 and P122 CONSOLE WIRING
APPROVAL CLB	DATE 04/06/10	DWG NO. G12132-5-073368
PRO NO. GA107	SHT. 1	REV. --

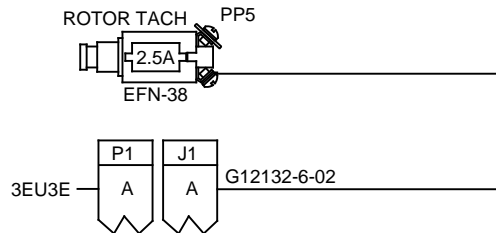
Detailed on G12132-3-073368



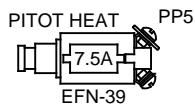
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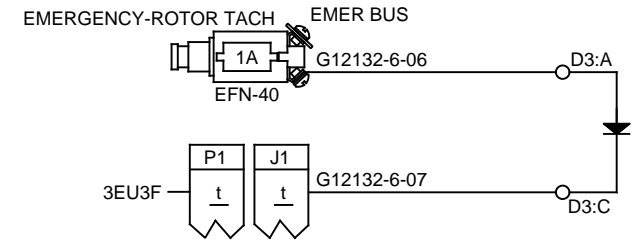
ref: AEC DWG 350A67-2690-01  
ref: WDM 77.00.10



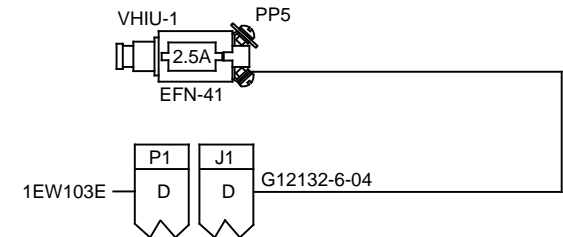
Detailed on G12132-5-073368



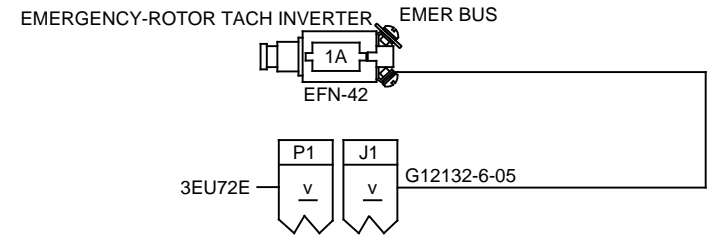
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ref: WDM 77.00.10



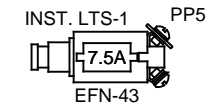
ref: AEC DWG 350A67-4166-01  
ref: WDM 31.60.00



ref: AEC DWG 350A67-2690-01  
ref: WDM 77.00.10



Detailed on G12132-4-073368



Effectivity: AS350B2 embodying mod 350A07-3368

SEE NOTES ON G12132-1

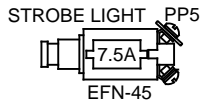
REV	DESCRIPTION	DATE	APROV.
	REVISION		



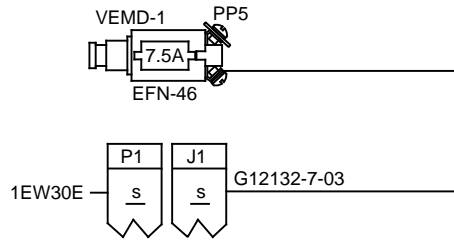
THIS DRAWING INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.

DRAWN	RBH	DATE	04/06/10	TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING	
APPROVAL	CLB	DATE	04/06/10	DWG NO.	G12132-6-073368	REV.
PRO NO.	GA107	SHT.	1			--

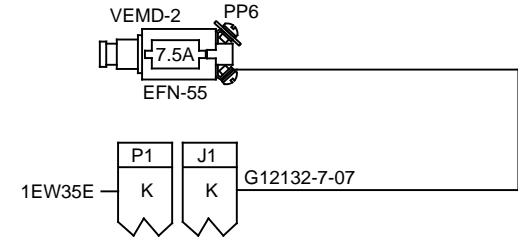
Detailed on G12132-4-073368



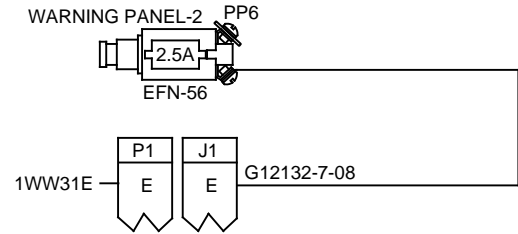
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ref: WDM 31.60.00



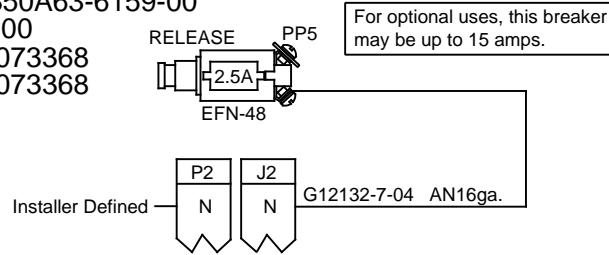
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ref: WDM 31.60.00



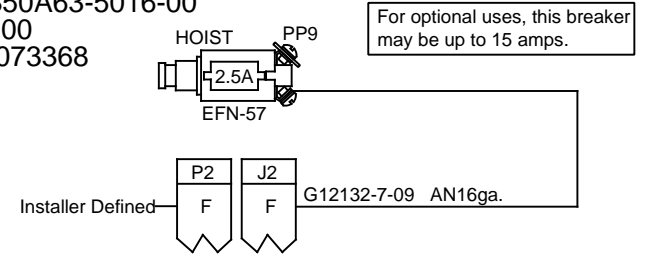
ref: AEC DWG 350A62-4100-02  
ref: WDM 24.30.00



ref: AEC DWG 350A63-6159-00  
ref: WDM 25.00.00  
ref: G12132-17-073368  
ref: G12132-18-073368

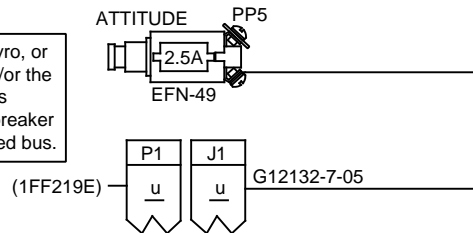


ref: AEC DWG 350A63-5016-00  
ref: WDM 25.63.00  
ref: G12132-18-073368

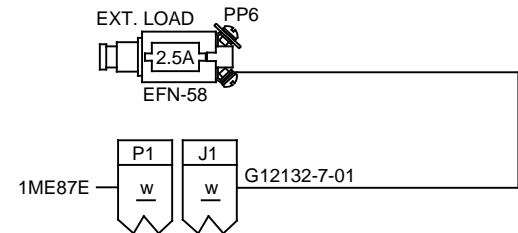


ref: WDM 34.20.00  
ref: WDM 34.25.27

Wire directly to the Attitude gyro, or through an On/Off switch and/or the Avionics Master Relay; or, this function may be moved to a breaker that is supplied from a switched bus.



ref: AEC DWG 350A63-6158-00  
ref: WDM 25.80.00



Effectivity: AS350B2 embodying mod 350A07-3368

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

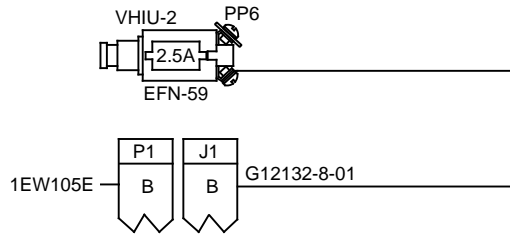


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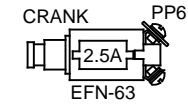
DRAWN	RBH	DATE	04/06/10
APPROVAL	CLB	DATE	04/06/10
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-7-073368	REV.	--

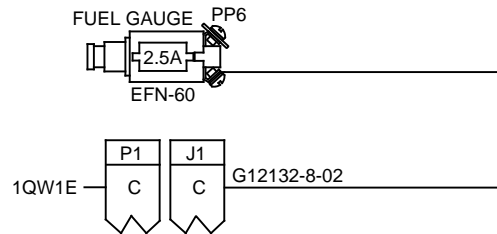
ref: AEC DWG 350A67-4166-01  
 ref: WDM 31.60.00



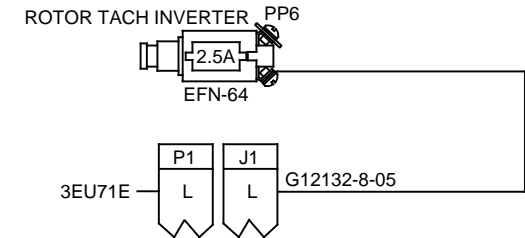
Detailed on G12132-3-073368



ref: AEC DWG 350A67-2686-00  
 ref: WDM 28.00.00

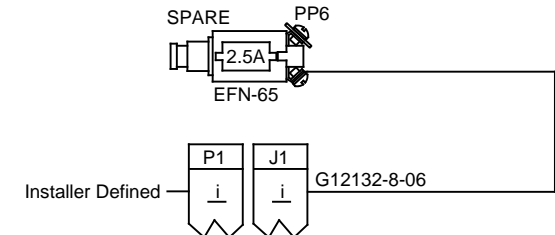
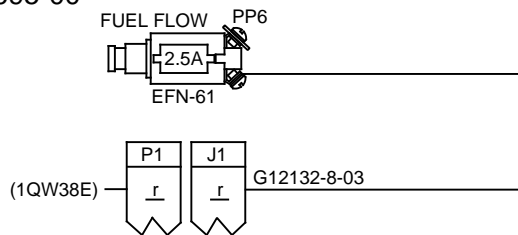


ref: AEC DWG 350A67-2690-01  
 ref: WDM 77.00.10

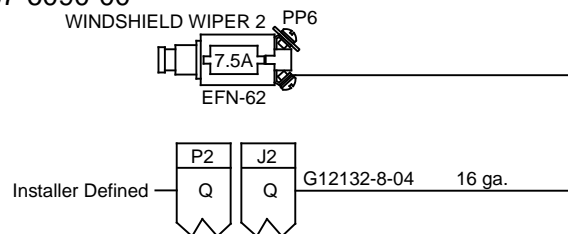


ref: AEC DWG 350A67-2695-00  
 ref: WDM 28.41.10

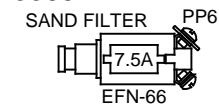
May be wired directly to the Fuel Flow meter, or through an On/Off switch



ref: AEC DWG 350A67-6090-00  
 ref: WDM 30.42.00



Detailed on G12132-5-073368



Effectivity: AS350B2 embodying mod 350A07-3368

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

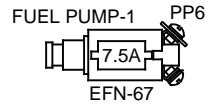


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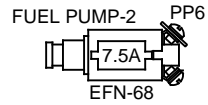
DRAWN	RBH	DATE	04/06/10
APPROVAL	CLB	DATE	04/06/10
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-8-073368	REV.	--

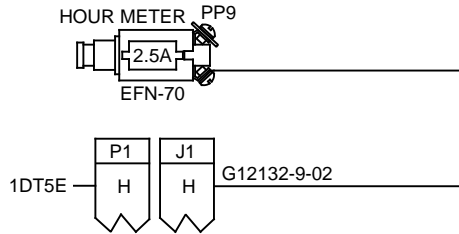
Detailed on G12132-5-073368



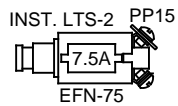
Detailed on G12132-5-073368



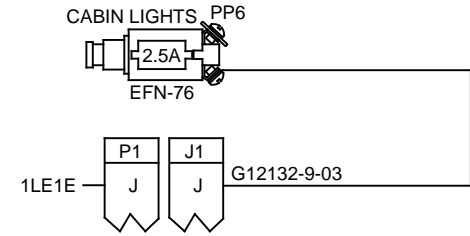
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ref: WDM 31.31.00



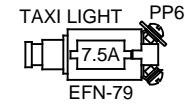
Detailed on G12132-4-073368



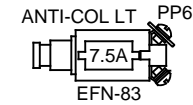
ref: AEC DWG 350A64-7311-00  
ref: AEC DWG 350A64-7265-00  
ref: WDM 33.10.00



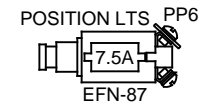
Detailed on G12132-4-073368



Detailed on G12132-4-073368



Detailed on G12132-4-073368



Effectivity: AS350B2 embodying mod 350A07-3368

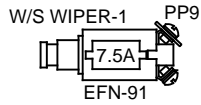
SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

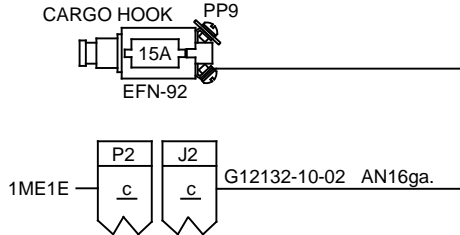


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		APPROVAL CLB	DATE 04/06/10	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING
		PRO NO. GA107	SHT. 1	DWG NO. G12132-9-073368
				REV. --

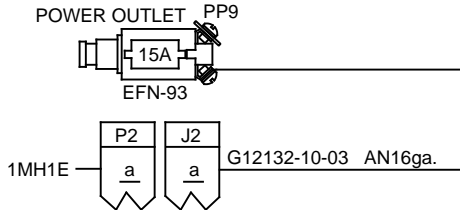
Detailed on G12132-5-073368



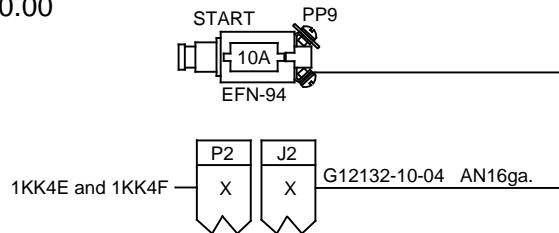
ref: AEC DWG 350A63-6158-00  
ref: WDM 25.80.00



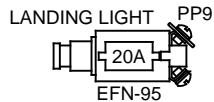
ref: AEC DWG 350A62-0045-00  
ref: WDM 25.26.00



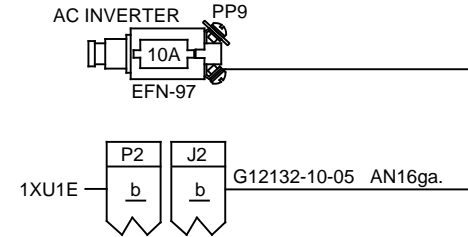
ref: AEC DWG 350A67-2688-00  
ref: WDM 80.00.00



Detailed on G12132-4-073368

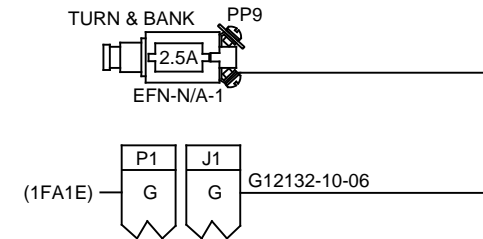


ref: AEC DWG 350A62-0049-00  
ref: WDM 24.22.00



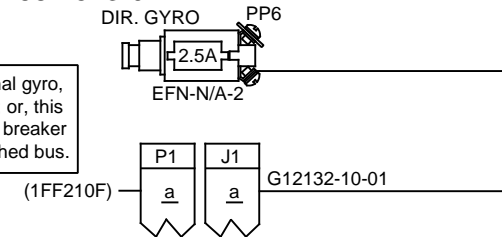
ref: AEC DWG 350A68-2541-01  
ref: WDM 34.20.00  
ref: WDM 34.26.03

Wire directly to the Turn & Bank Indicator, or through an On/Off switch; or, this function may be moved to a breaker that is supplied from a switched bus.

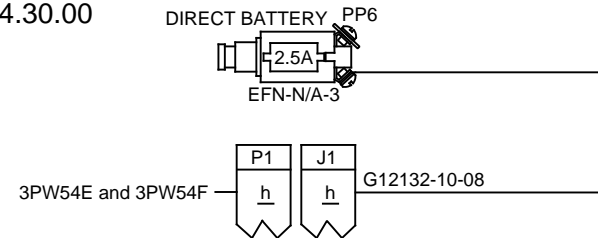


ref: AEC DWG 350A68-2543-02  
ref: WDM 34.20.00  
ref: WDM 34.25.27

Wire directly to the Directional gyro, or through an On/Off switch; or, this function may be moved to a breaker that is supplied from a switched bus.

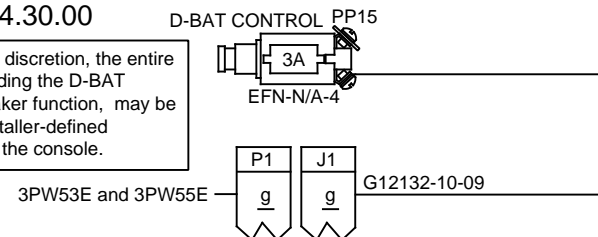


ref: AEC DWG 350A62-4101-00  
ref: WDM 24.30.00



ref: AEC DWG 350A62-4101-00  
ref: WDM 24.30.00

At the installer's discretion, the entire PP15 bus, including the D-BAT CONTROL breaker function, may be moved to an installer-defined location outside the console.



Effectivity: AS350B2 embodying mod 350A07-3368

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
A	ADDED WDM REFERENCES	05/06/08	RBH
	REVISION		

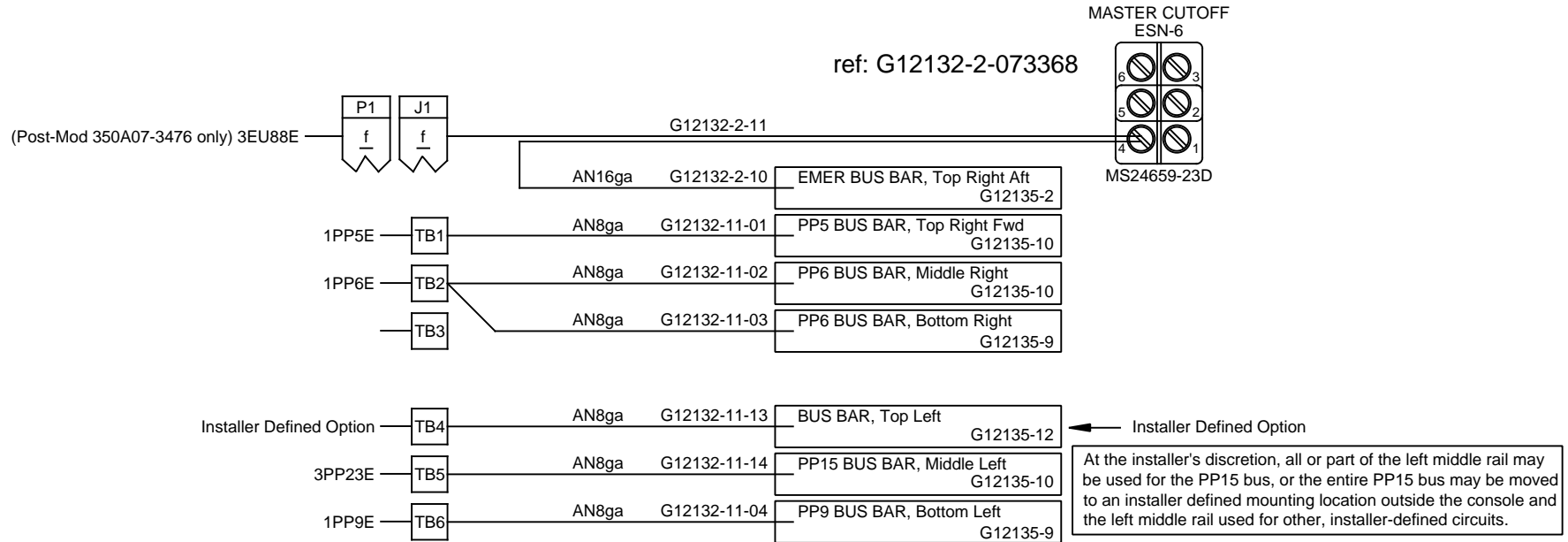


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DRAWN	RBH	DATE	04/06/10
APPROVAL	CLB	DATE	04/06/10
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-10-073368	REV.	--

ref: AEC DWG 350A62-4100-02  
 ref: AEC DWG 350A62-4101-00  
 ref: AEC DWG 350A67-2690-01  
 ref: WDM 24.30.00  
 ref: WDM 77.00.10  
 ref: G12132-16-073368



### Primary Power to Circuit Breakers

Effectivity: AS350B2 embodying mod 350A07-3368

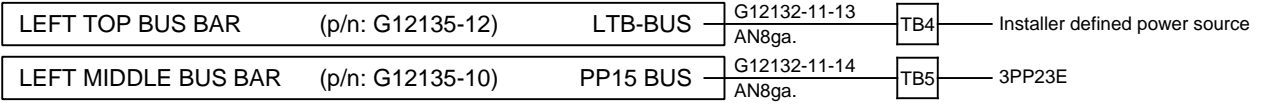
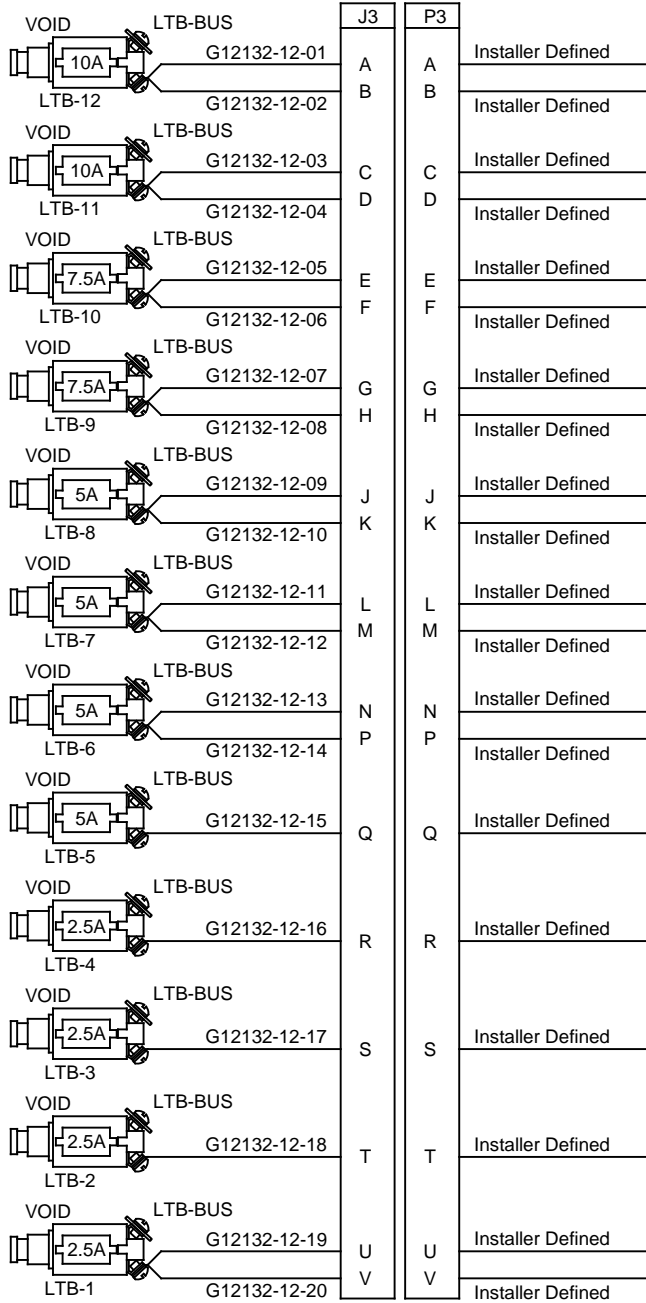
SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
A	ADDED 3EU88E CONNECTIONS	05/12/10	RBH
REVISION			



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DRAWN	RBH	DATE	04/06/10	TITLE	BUS BAR DETAILS P132 and P122 CONSOLE WIRING
APPROVAL	CLB	DATE	04/06/10	DWG NO.	
PRO NO.	GA107	SHT.	1	REV.	A



The PP15 bus normally powers minimal avionics functions, not shown here. At the installer's discretion, the PP15 bus may be moved to an installer-defined location outside the console, so that the left middle breaker rail may be used for additional installer-defined avionics circuits. In that case, the Instrument Lights 2 circuit will need to be modified. See the sample modified Instrument Lights 2 circuit on G12132-34.

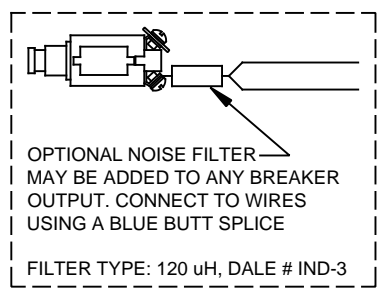
NOTE:  
ALL WIRES ON THIS DRAWING ARE 16 ga. UNLESS SHOWN OTHERWISE.  
RING TERMINALS FOR CIRCUIT BREAKERS ARE RED #6 (p/n 36152), EXCEPT FOR DUAL WIRES WHICH HAVE BOTH WIRES CRIMPED INTO ONE BLUE #6 RING TERMINAL (p/n 36158 OR 326882).

NOTE:  
THE CIRCUIT BREAKER CURRENT RATINGS AND NAMES SHOWN ARE JUST AN EXAMPLE. ALL WIRES ARE SUITABLE FOR 15A BREAKERS, OR LESS.

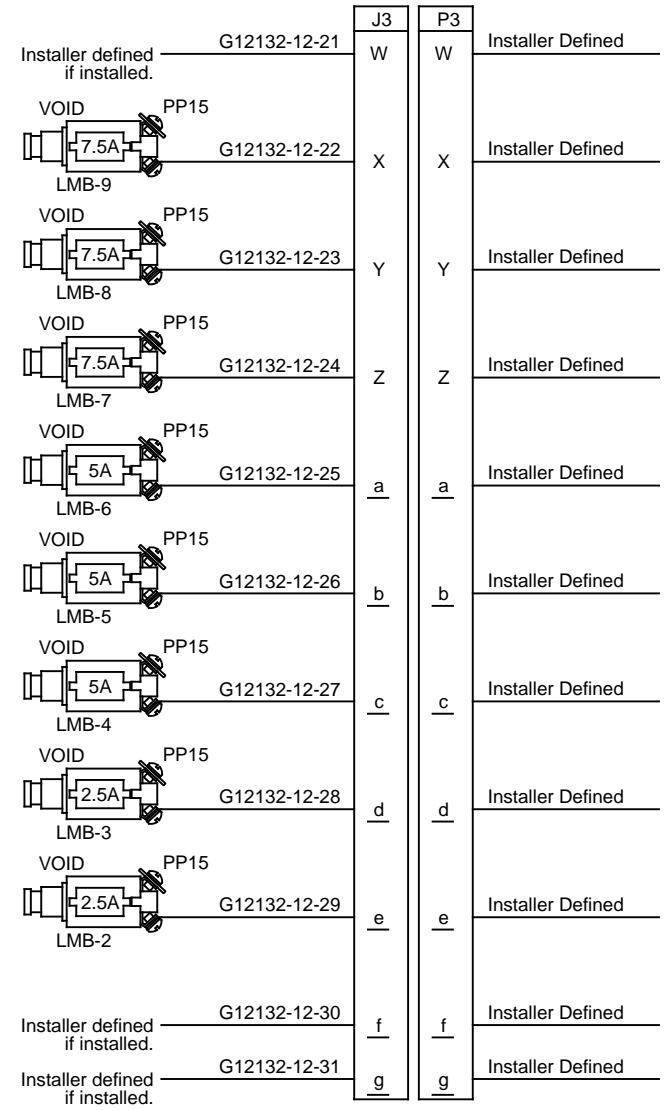
NOTE:  
The word: SPARE marked on this diagram is used to represent a breaker or wire that is installed but not assigned.

The word: BLANK means that the wires are installed but not the circuit breaker.

The word: VOID means that the breaker is not installed and the wires for that breaker are not installed.



AIRCRAFT FWD



ref: WDM 24.30.00

Effectivity: AS350B2 or AS350B3 embodying mod 350A07-3368

SEE NOTES ON G12132-1

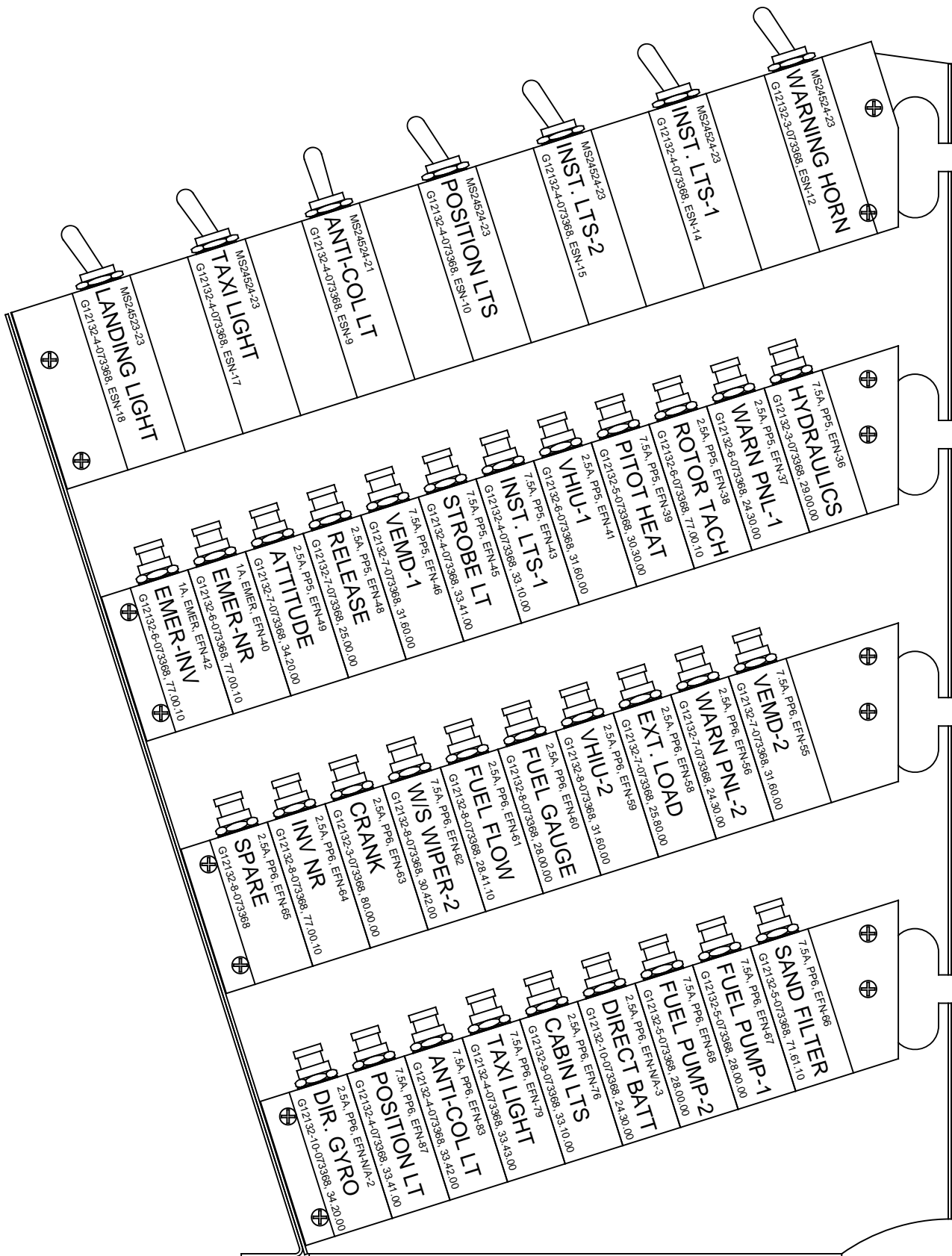
REV	DESCRIPTION	DATE	APROV.
	REVISION		



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DRAWN	RBH	DATE	04/06/10
APPROVAL	CLB	DATE	04/06/10
PRO NO.	GA107	SHT.	1

TITLE	OPTIONAL CIRCUIT BREAKERS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-12-073368	REV.	--



FWD →

Effectivity: AS350B2 Embodiment  
Mod 350A07-3368

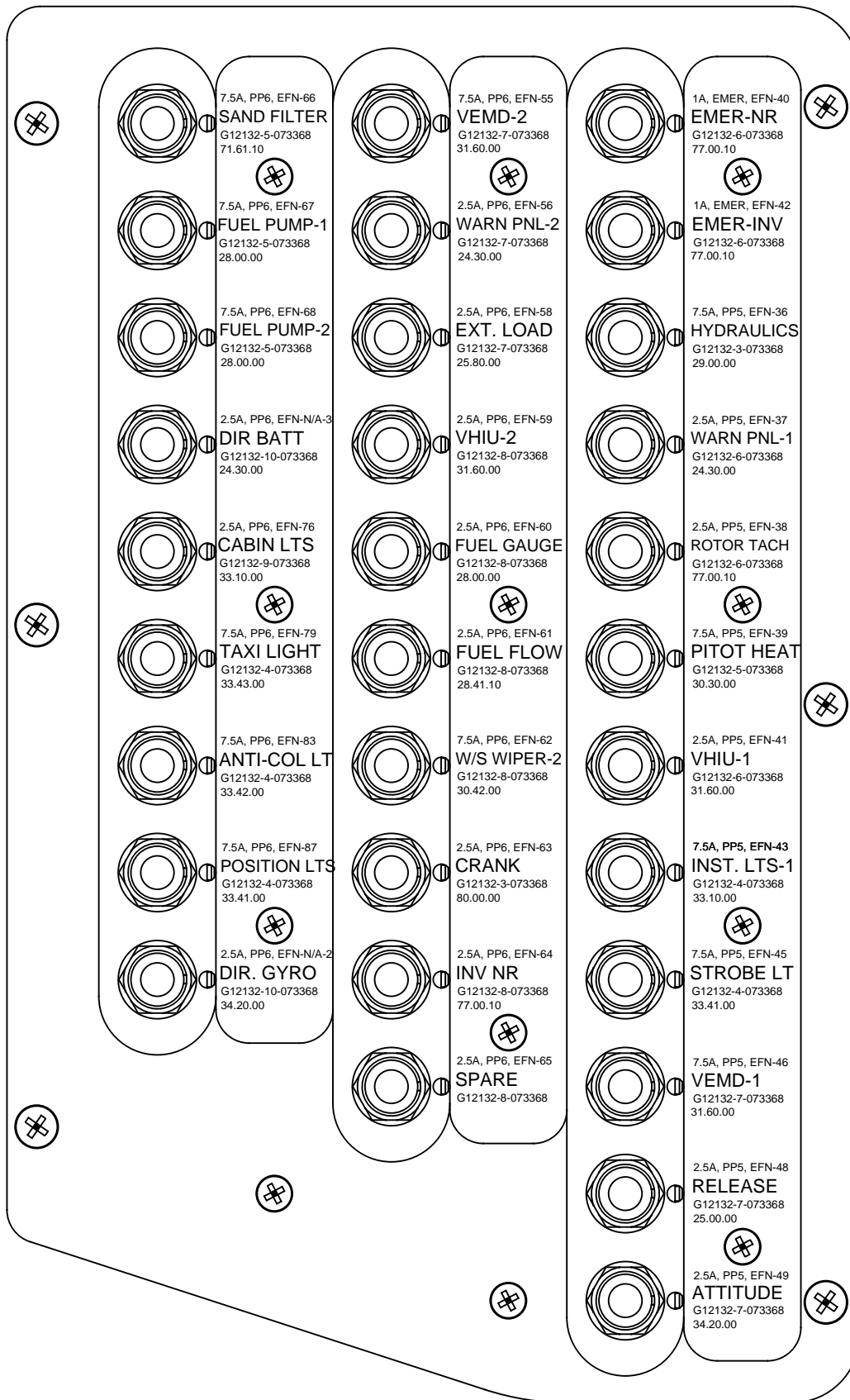


DESIGNED	RBH	DATE	04/06/10
DRAWN	RBH	DATE	04/06/10
CHECKED	RBH	DATE	04/06/10
APPROVAL	CLB	DATE	04/06/10
PRO NO.	GA107	SHT.	1

TITLE	CONSOLE BREAKER LAYOUT P132 RIGHT SIDE VIEW for AS350B2		
DWG NO.	G12132-13-073368	REV.	--

REV	DESCRIPTION	DATE	APPROV.
	REVISION		

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FWD

Effectivity: AS350B2 Embodiment  
Mod 350A07-3368

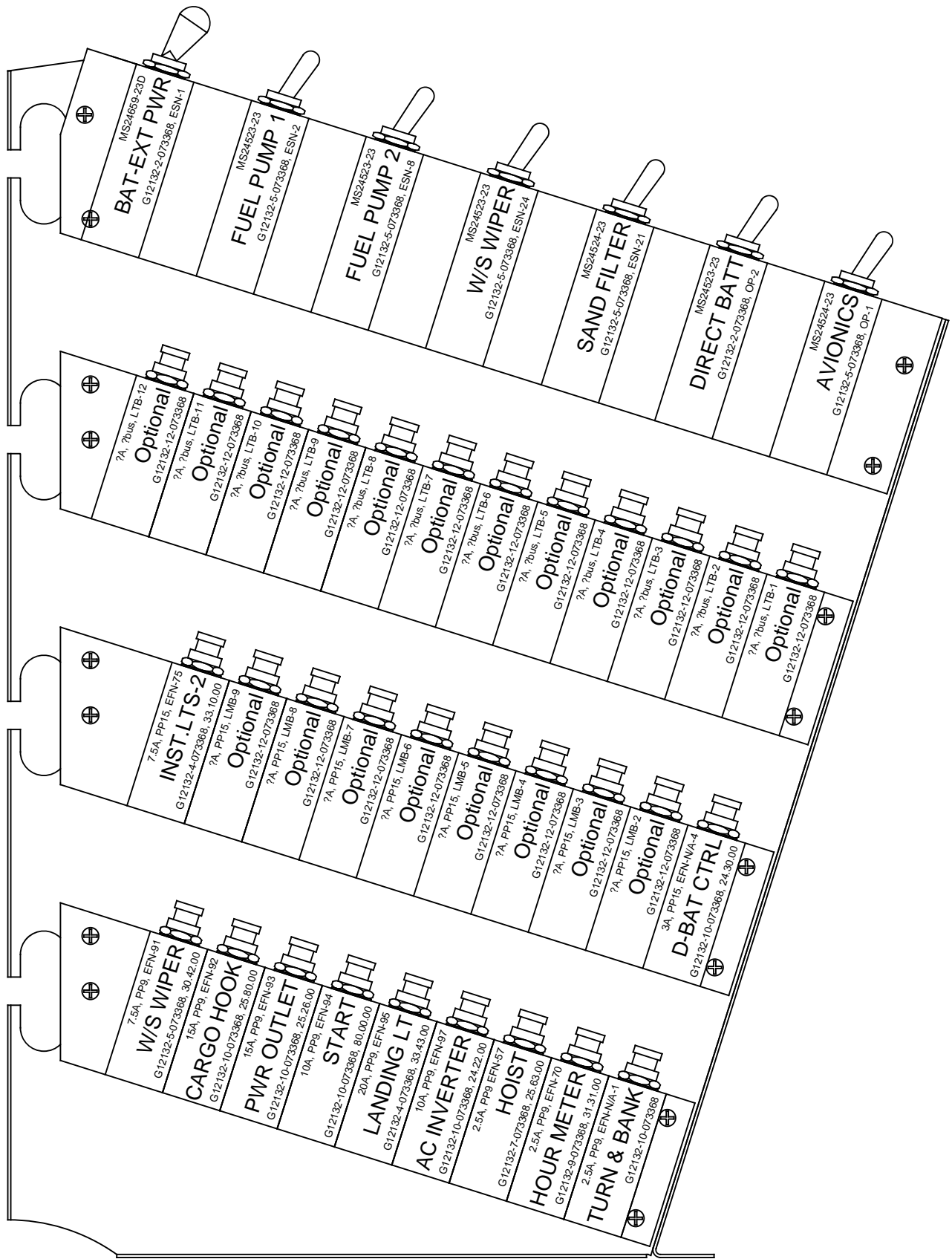


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	DRAWN	RBH	DATE	04/06/10
	CHECKED	RBH	DATE	04/06/10
	APPROVAL	CLB	DATE	04/06/10
	PRO NO.	GA107	SHT.	1

TITLE	CONSOLE BREAKER LAYOUT P122 RIGHT SIDE VIEW for AS350B2	
DWG NO.	G12132-13-073368-P122	
REV.	--	

REV	DESCRIPTION	DATE	APPROV.
	REVISION		



← FWD

Effectivity: AS350B2 - Embodiment  
Mod 350A07-3368



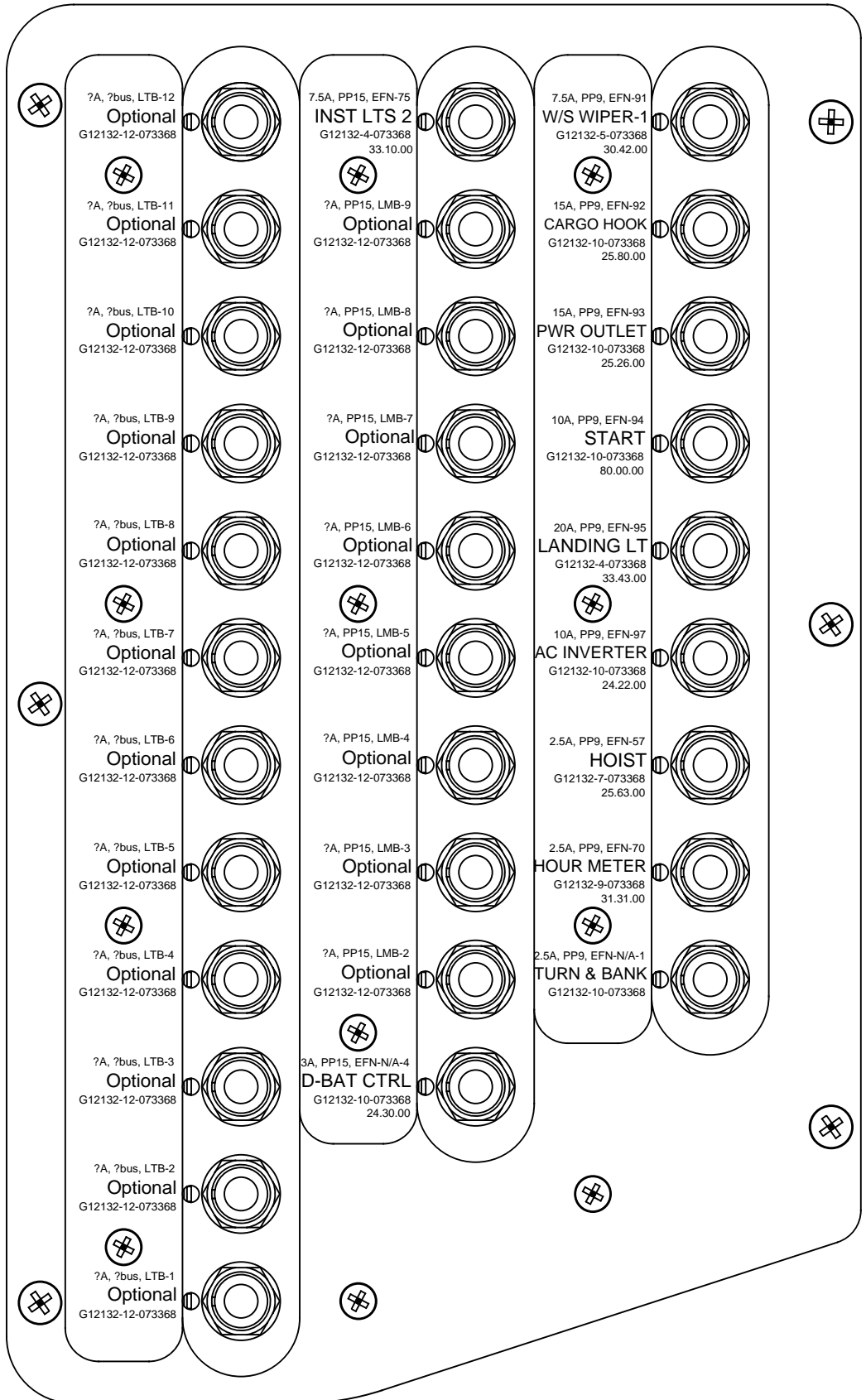
www.genevaaviation.com

TITLE  
CONSOLE BREAKER LAYOUT  
P132 LEFT SIDE VIEW for AS350B2

REV	DESCRIPTION	DATE	APPROV.
	REVISION		

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DESIGNED	RBH	DATE	04/06/10
DRAWN	RBH	DATE	04/06/10
CHECKED	RBH	DATE	04/06/10
APPROVAL	CLB	DATE	04/06/10
PRO NO.	GA107	SHT.	1

DWG NO.	G12132-14-073368	REV.	--
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?A, ?bus, LTB-12  
Optional  
G12132-12-073368

?A, ?bus, LTB-11  
Optional  
G12132-12-073368

?A, ?bus, LTB-10  
Optional  
G12132-12-073368

?A, ?bus, LTB-9  
Optional  
G12132-12-073368

?A, ?bus, LTB-8  
Optional  
G12132-12-073368

?A, ?bus, LTB-7  
Optional  
G12132-12-073368

?A, ?bus, LTB-6  
Optional  
G12132-12-073368

?A, ?bus, LTB-5  
Optional  
G12132-12-073368

?A, ?bus, LTB-4  
Optional  
G12132-12-073368

?A, ?bus, LTB-3  
Optional  
G12132-12-073368

?A, ?bus, LTB-2  
Optional  
G12132-12-073368

?A, ?bus, LTB-1  
Optional  
G12132-12-073368

7.5A, PP15, EFN-75  
**INST LTS 2**  
G12132-4-073368  
33.10.00

?A, PP15, LMB-9  
Optional  
G12132-12-073368

?A, PP15, LMB-8  
Optional  
G12132-12-073368

?A, PP15, LMB-7  
Optional  
G12132-12-073368

?A, PP15, LMB-6  
Optional  
G12132-12-073368

?A, PP15, LMB-5  
Optional  
G12132-12-073368

?A, PP15, LMB-4  
Optional  
G12132-12-073368

?A, PP15, LMB-3  
Optional  
G12132-12-073368

?A, PP15, LMB-2  
Optional  
G12132-12-073368

3A, PP15, EFN-N/A-4  
**D-BAT CTRL**  
G12132-10-073368  
24.30.00

7.5A, PP9, EFN-91  
**W/S WIPER-1**  
G12132-5-073368  
30.42.00

15A, PP9, EFN-92  
**CARGO HOOK**  
G12132-10-073368  
25.80.00

15A, PP9, EFN-93  
**PWR OUTLET**  
G12132-10-073368  
25.26.00

10A, PP9, EFN-94  
**START**  
G12132-10-073368  
80.00.00

20A, PP9, EFN-95  
**LANDING LT**  
G12132-4-073368  
33.43.00

10A, PP9, EFN-97  
**AC INVERTER**  
G12132-10-073368  
24.22.00

2.5A, PP9, EFN-57  
**HOIST**  
G12132-7-073368  
25.63.00

2.5A, PP9, EFN-70  
**HOOR METER**  
G12132-9-073368  
31.31.00

2.5A, PP9, EFN-N/A-1  
**TURN & BANK**  
G12132-10-073368

← **FWD**

Effectivity: AS350B2 Embodying  
Mod 350A07-3368



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	DRAWN	RBH	DATE	04/06/10
	CHECKED	RBH	DATE	04/06/10
	APPROVAL	CLB	DATE	04/06/10
	PRO NO.	GA107	SHT.	1

TITLE	<b>CONSOLE BREAKER LAYOUT</b>	
	P122 LEFT SIDE VIEW for AS350B2	
DWG NO.	G12132-14-073368-P122	REV. --

REV	DESCRIPTION	DATE	APPROV.
	REVISION		

MS24524-31  
**GENERATOR ON**  
 G12132-3-073368, ESN-3

MS24659-23D  
**HYD TEST**  
 G12132-3-073368, ESN-11

MS27407-3  
**WARN / FIRE TEST**  
 G12132-3-073368, ESN-7

MS24523-26  
**CRANK ENGINE**  
 G12132-3-073368, ESN-5

MS24659-23D  
**MASTER CUTOFF**  
 G12132-2-073368, ESN-6

MS24523-23  
**PITOT HEAT**  
 G12132-5-073368, ESN-13

MS24659-23D  
**BAT-EXT PWR**  
 G12132-2-073368, ESN-1

MS24523-23  
**FUEL PUMP 1**  
 G12132-5-073368, ESN-2

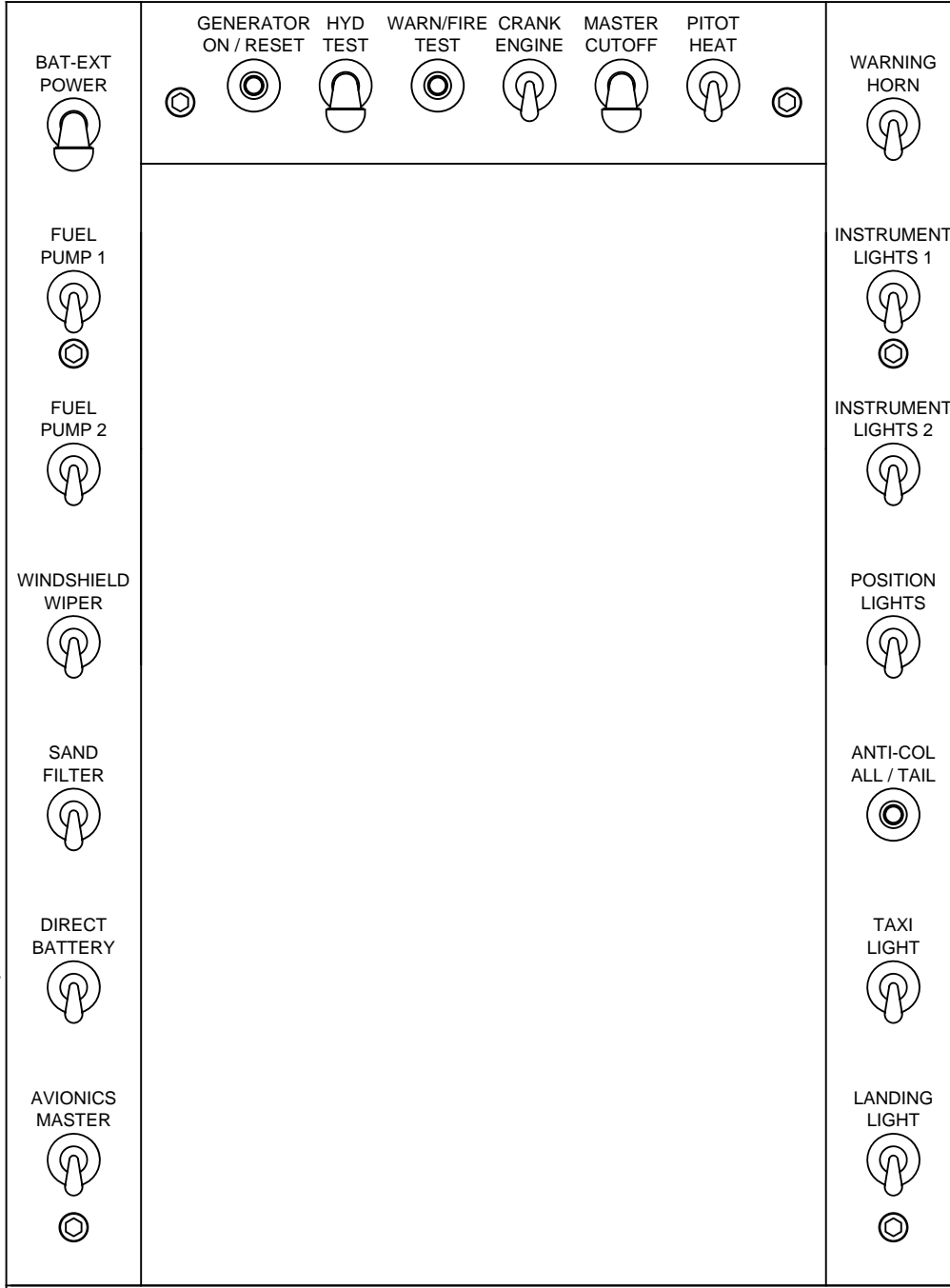
MS24523-23  
**FUEL PUMP 2**  
 G12132-5-073368, ESN-8

MS24523-23  
**W/S WIPER**  
 G12132-5-073368, ESN-24

MS24524-23  
**SAND FILTER**  
 G12132-5-073368, ESN-21

MS24523-23  
**DIRECT BATT**  
 G12132-2-073368, OP-2

MS24524-23  
**AVIONICS**  
 G12132-5-073368, OP-1



MS24524-23  
**WARNING HORN**  
 G12132-3-073368, ESN-12

MS24524-23  
**INST. LTS-1**  
 G12132-4-073368, ESN-14

MS24524-23  
**INST. LTS-2**  
 G12132-4-073368, ESN-15

MS24524-23  
**POSITION LTS**  
 G12132-4-073368, ESN-10

MS24524-21  
**ANTI-COL LT**  
 G12132-4-073368, ESN-9

MS24524-23  
**TAXI LIGHT**  
 G12132-4-073368, ESN-17

MS24523-23  
**LANDING LT**  
 G12132-4-073368, ESN-18

Effectivity: AS350B2 Embodiment  
 Mod 350A07-3368



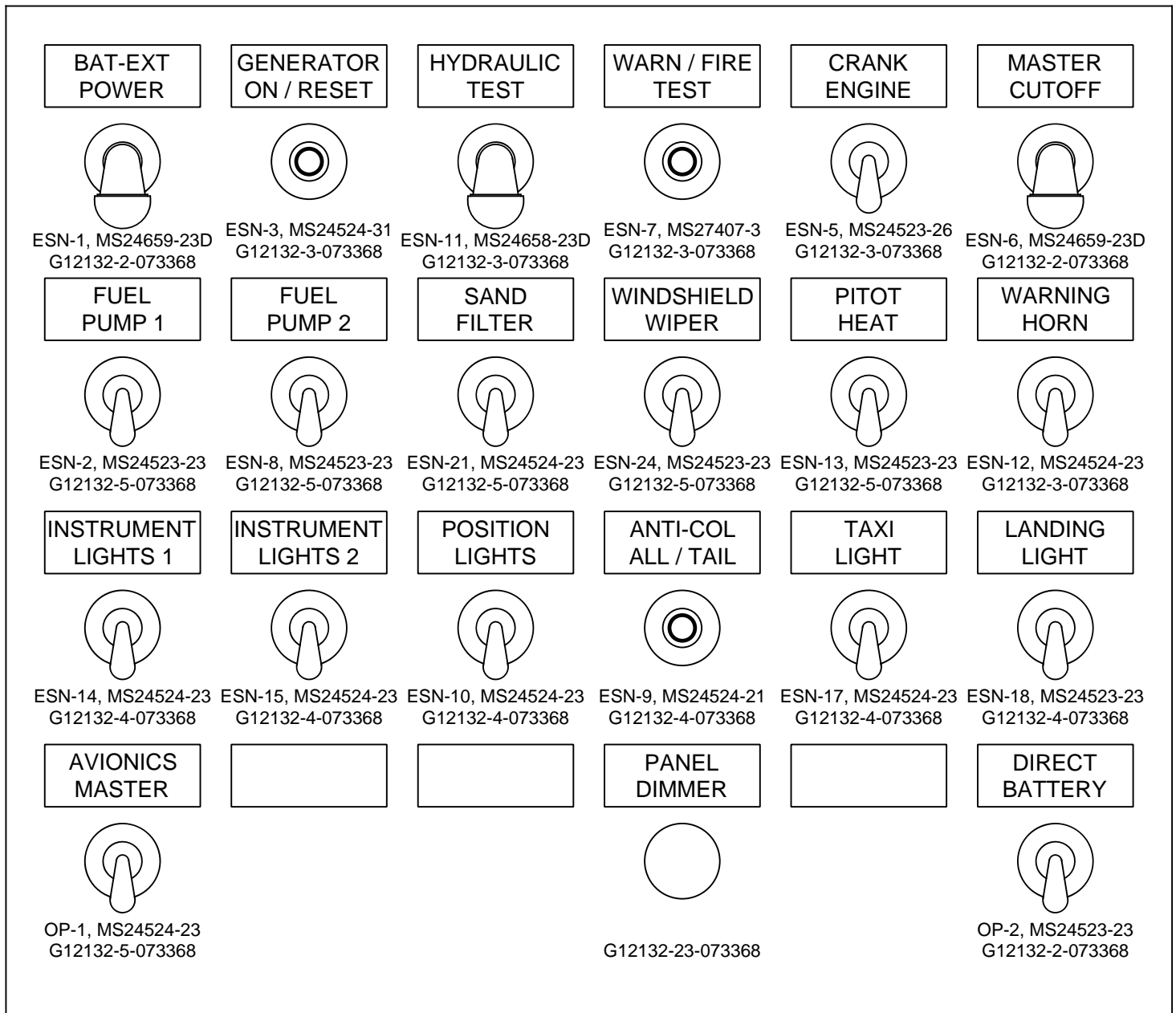
DESIGNED	RBH	DATE	04/06/10
DRAWN	RBH	DATE	04/06/10
CHECKED	RBH	DATE	04/06/10
APPROVAL	CLB	DATE	04/06/10
PRO NO.	GA107	SHT.	1

TITLE	CONSOLE SWITCH LAYOUT P132 TOP VIEW for AS350B2
DWG NO.	G12132-15-073368
REV.	--

REV	DESCRIPTION	DATE	APPROV.
	REVISION		

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# P122 CONSOLE LAYOUT



Effectivity: AS350B2 Embodying  
Mod 350A07-3368

**GENEVA**  
AVIATION  
www.genevaaviation.com

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	DRAWN	RBH	DATE	04/06/10
	CHECKED	RBH	DATE	04/06/10
	APPROVAL	CLB	DATE	04/06/10
	PRO NO.	GA107	SHT.	1

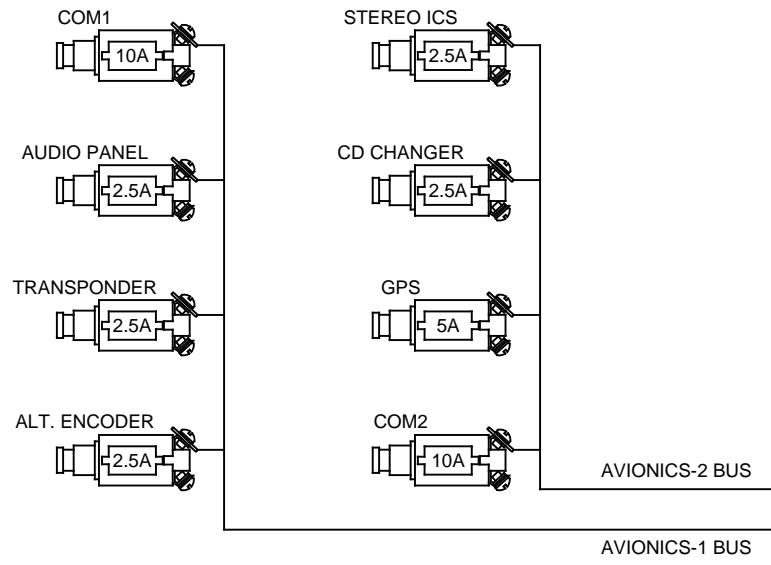
TITLE	CONSOLE SWITCH LAYOUT P122 TOP VIEW for AS350B2
DWG NO.	G12132-15-073368-P122
REV.	--

REV	DESCRIPTION	DATE	APROV.
	REVISION		

# SAMPLE OPTIONAL CIRCUITS

More samples on G12132-17-073368

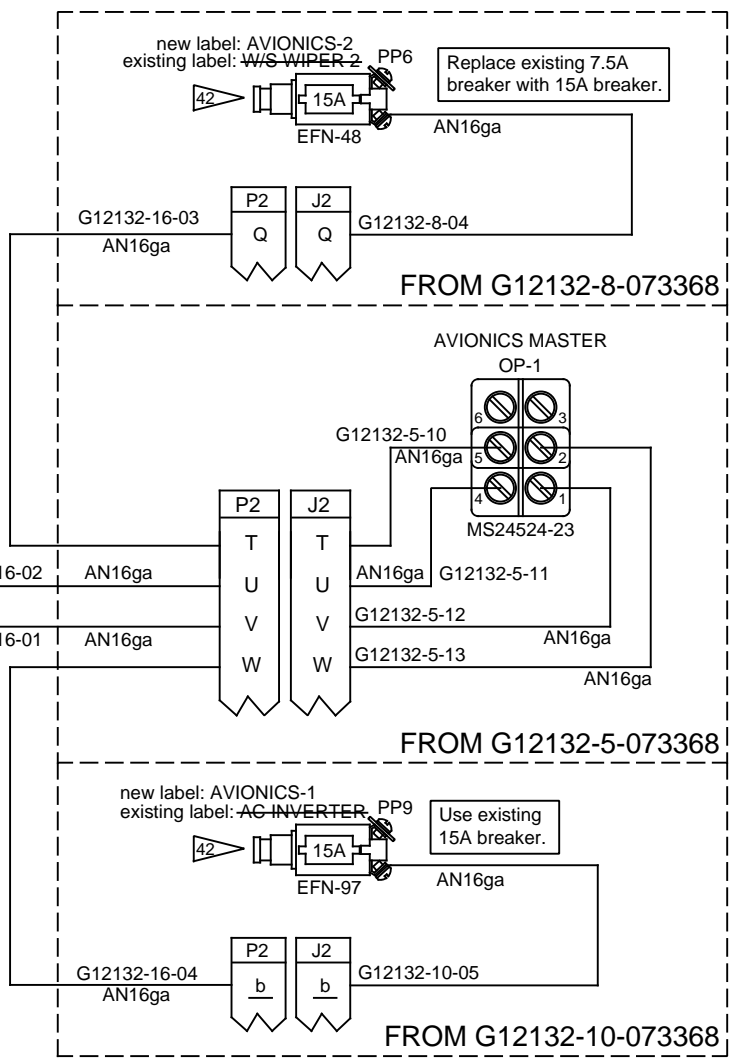
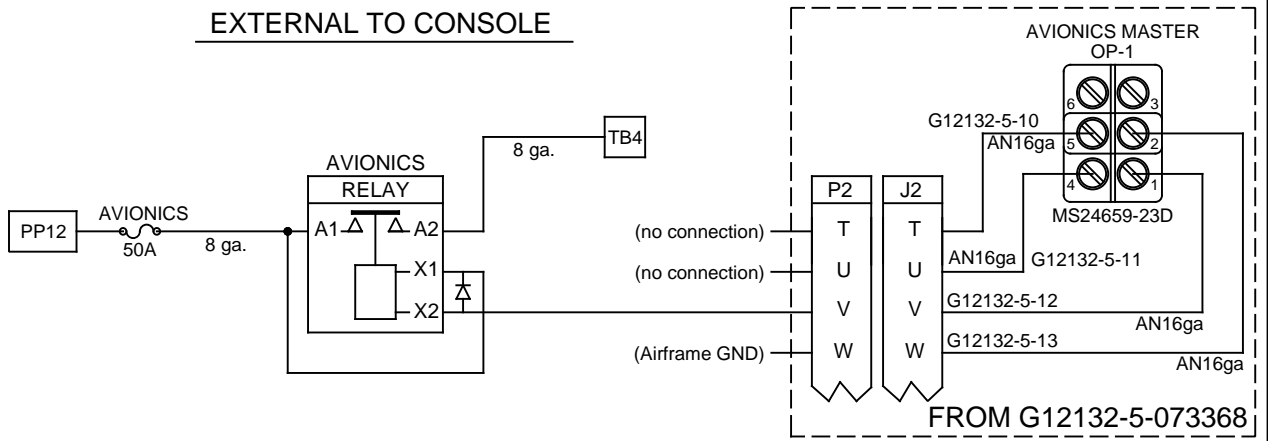
Avionics breakers may be mounted in the Optional rails, or in an installer-defined location outside the console.



Sample AVIONICS circuit

## Sample AVIONICS MASTER circuit

EXTERNAL TO CONSOLE



Alternatively, separate AVIONICS-1 and AVIONICS-2 bus breakers may be mounted in the optional rails, or in an installer-defined location outside the console, and powered separately.

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		



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DRAWN	RBH	DATE	04/06/10
APPROVAL	CLB	DATE	04/06/10
PRO NO.	GA107	SHT.	1

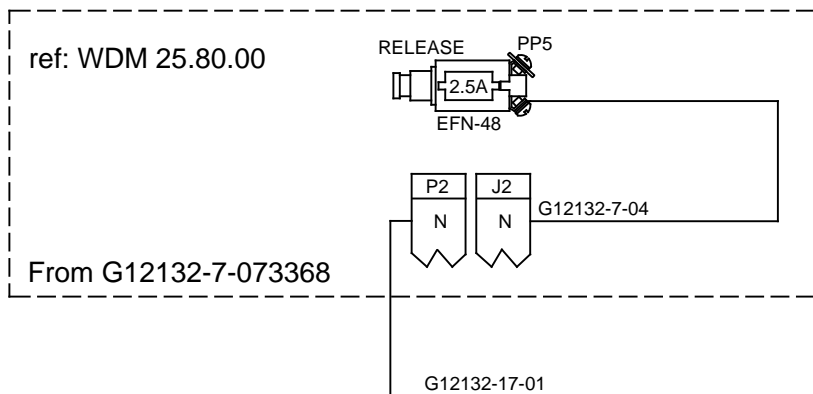
TITLE	AVIONICS SAMPLE CIRCUIT P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-16-073368		
REV.	--		

# SAMPLE OPTIONAL CIRCUITS

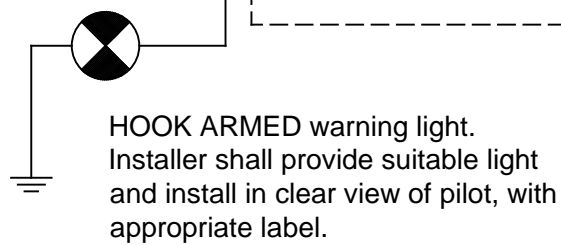
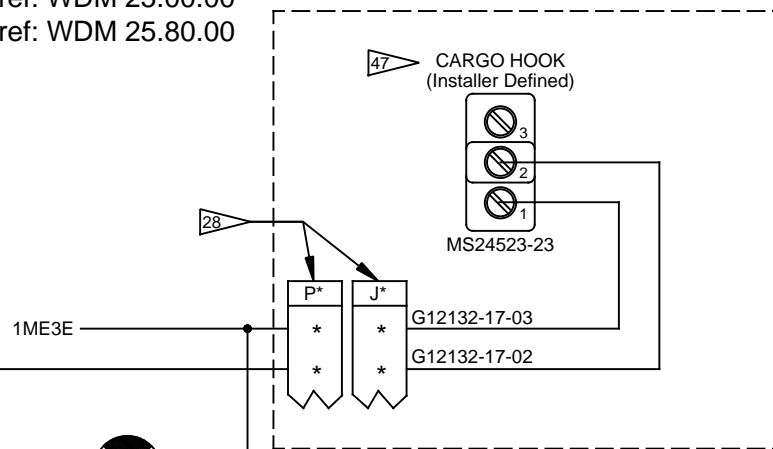
More samples on G12132-18-073368

**SWITCH CURRENT RATINGS:**  
 MS24523-23: Resistive: 20A, Inductive: 15A, Lamp: 5A  
 MS24524-23: Resistive: 20A, Inductive: 15A, Lamp: 7A

## Sample CARGO HOOK circuit



ref: AEC DWG 350A63-6159-00  
 ref: WDM 25.00.00  
 ref: WDM 25.80.00



28 > A connector is not required in this position. The airframe wires may be connected directly to the switch. If a connector is used for this circuit, the installer shall record the connector's identification number and the contact positions used.

47 > There is no standard switch assigned to the CARGO HOOK function in the -073368 version of the console. If a CARGO HOOK circuit is required, implement it using an available optional switch, or using a switch mounted in an installer-defined location outside the console. The wire numbers shown are only an example. If an internal switch is used, the wire numbers should be updated to match the internal console wiring for that switch. If an external switch is used, the installer may use these numbers, or assign unique wire numbers as appropriate.

Effectivity: AS350B2 embodying mod 350A07-3368

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		



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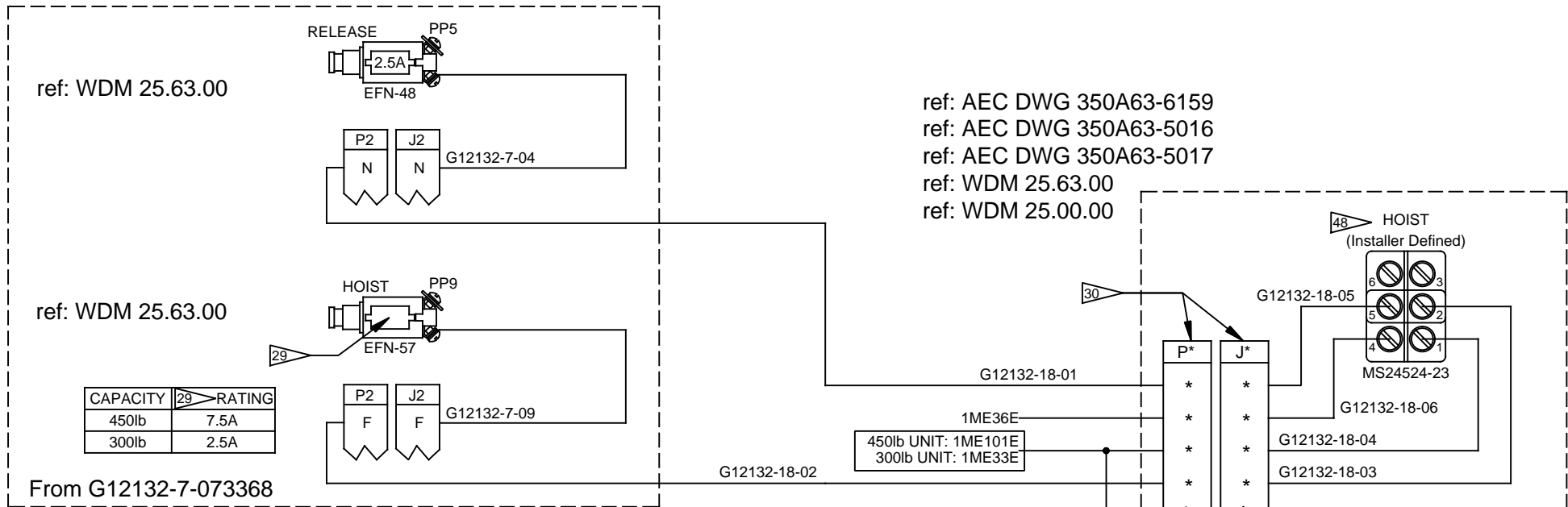
DRAWN	RBH	DATE	04/06/10
APPROVAL	CLB	DATE	04/06/10
PRO NO.	GA107	SHT.	1

TITLE	CARGO HOOK SAMPLE CIRCUIT P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-17-073368	REV.	--

# SAMPLE OPTIONAL CIRCUITS

More samples on G12132-16-073368


**SWITCH CURRENT RATINGS:**  
 MS24523-23: Resistive: 20A, Inductive: 15A, Lamp: 5A  
 MS24524-23: Resistive: 20A, Inductive: 15A, Lamp: 7A



ref: AEC DWG 350A63-6159  
 ref: AEC DWG 350A63-5016  
 ref: AEC DWG 350A63-5017  
 ref: WDM 25.63.00  
 ref: WDM 25.00.00

30 A connector is not required in this position. The airframe wires may be connected directly to the switch. If a connector is used for this circuit, the installer shall record the connector's identification number and the contact positions used.

48 There is no standard switch assigned to the HOIST function in the -073368 version of the console. If a HOIST circuit is required, implement it using an available optional switch, or using a switch mounted in an installer-defined location outside the console. The wire numbers shown are only an example. If an internal switch is used, the wire numbers should be updated to match the internal console wiring for that switch. If an external switch is used, the installer may use these numbers, or assign unique wire numbers as appropriate.

  
 HOIST ARMED warning light.  
 Installer shall provide suitable light and install in clear view of pilot, with appropriate label.

## SAMPLE HOIST CIRCUIT

Effectivity: AS350B2 embodying mod 350A07-3368

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		



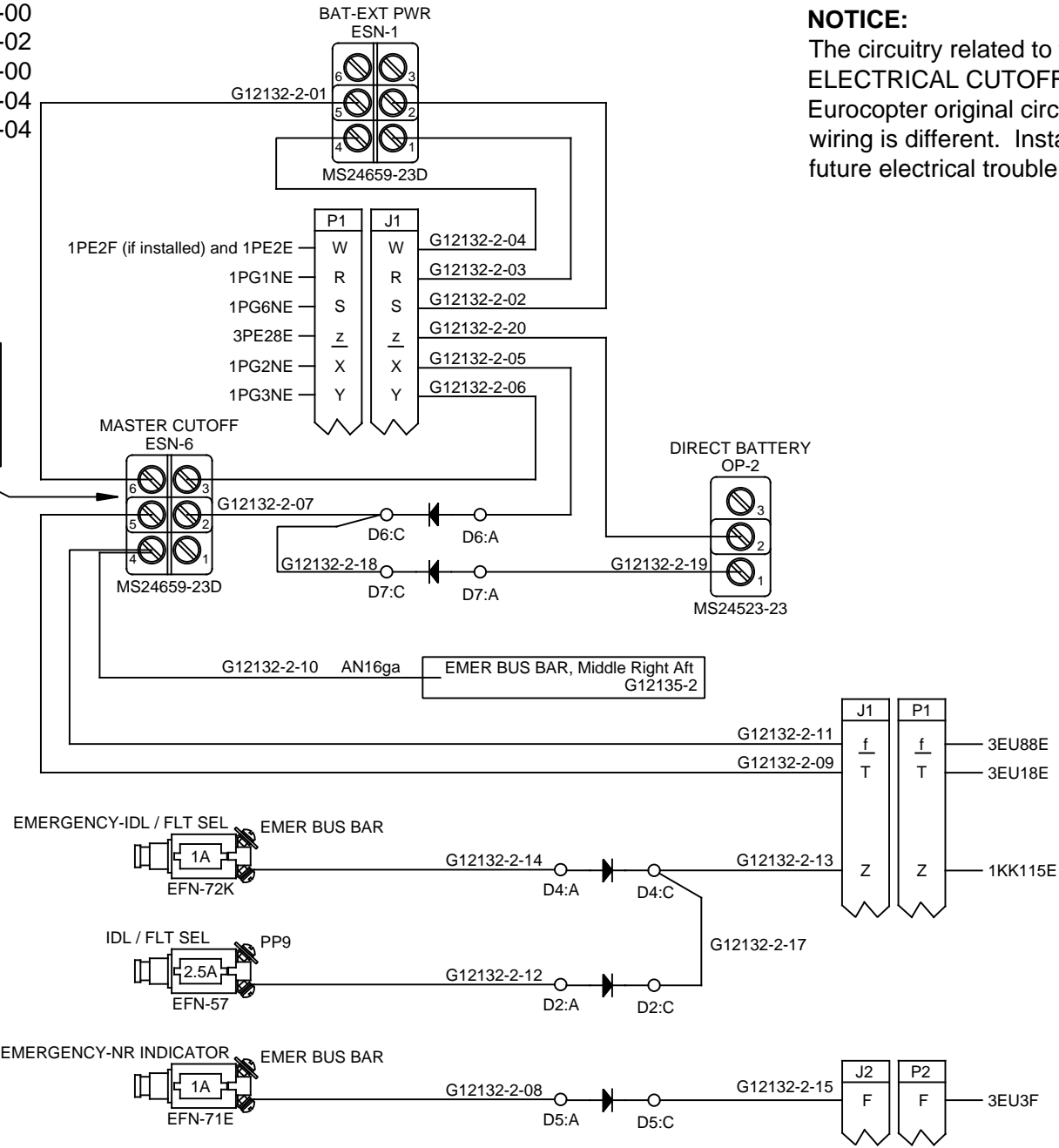
THIS DRAWING INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.

DRAWN	RBH	DATE	04/06/10
APPROVAL	CLB	DATE	04/06/10
PRO NO.	GA107	SHT.	1

TITLE	HOIST SAMPLE CIRCUIT P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-18-073368	REV.	--

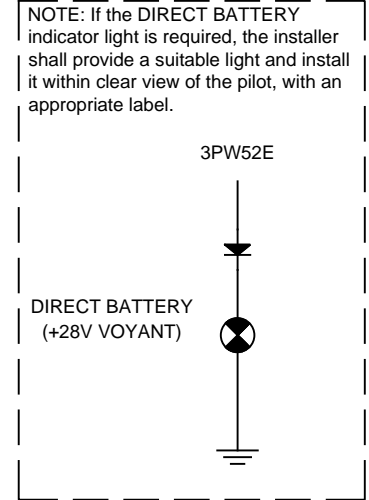
ref: WDM 24-30-00  
 ref: WDM 24-60-02  
 ref: WDM 63-41-00  
 ref: WDM 77-00-04  
 ref: WDM 80-11-04

The toggle of this switch must be marked with the color RED



**NOTICE:**

The circuitry related to the BAT-EXT PWR switch and the MASTER ELECTRICAL CUTOFF switch has been changed from the Eurocopter original circuitry. The functions are the same, but the wiring is different. Install using this wiring, and use this drawing for future electrical trouble shooting.



Effectivity: AS350B3 embodying Mod 350A07-3476 (B3e)

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		



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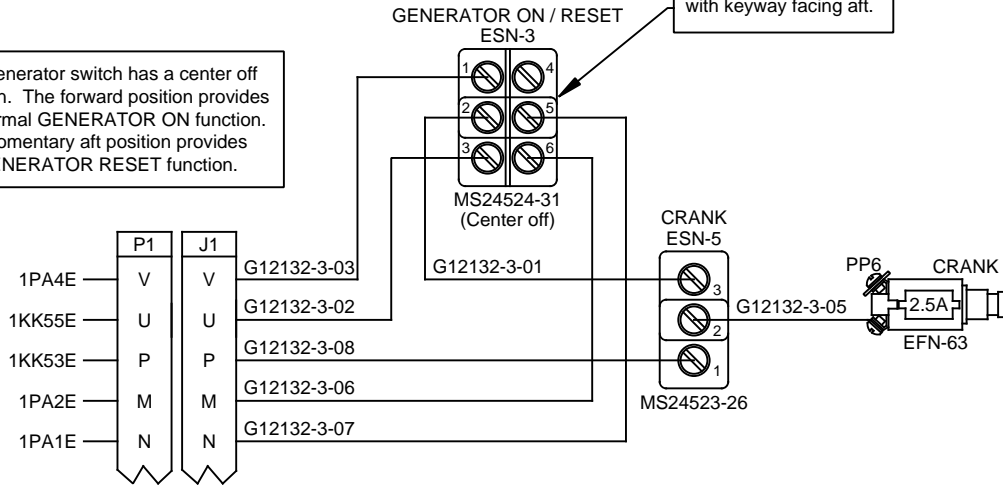
DRAWN	GA	DATE	02/05/13
APPROVAL	CLB	DATE	02/05/13
PRO NO.	GA107	SHT.	1

TITLE	SWITCH DETAILS for B3 P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-2-073476	REV.	--

ref: WDM 24-30-00  
 ref: WDM 80-11-04

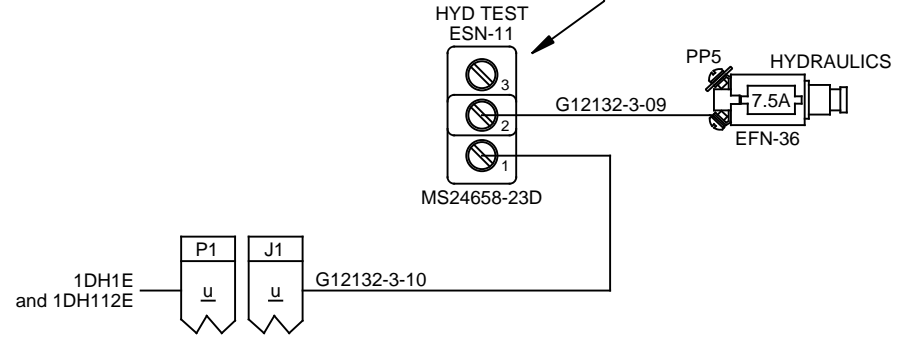
NOTE:  
 This switch is installed  
 with keyway facing aft.

The Generator switch has a center off position. The forward position provides the normal GENERATOR ON function. The momentary aft position provides the GENERATOR RESET function.



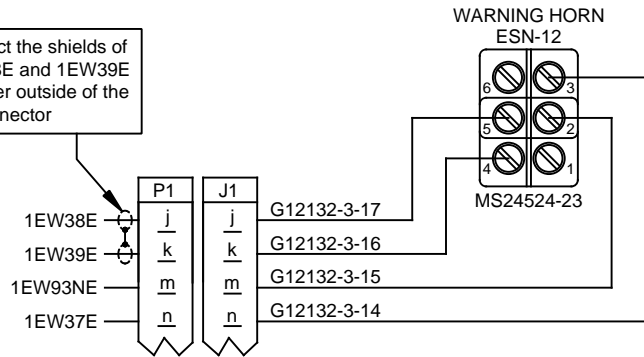
ref: WDM 29-11-00

The toggle of this switch  
 must be marked with  
 the color YELLOW.



ref: WDM 63-41-00

Connect the shields of  
 1EW38E and 1EW39E  
 together outside of the  
 P1 connector

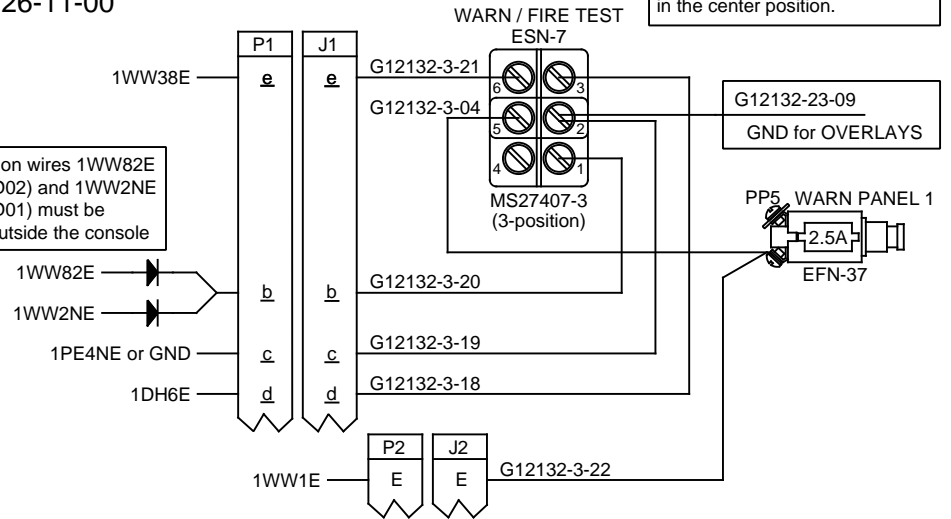


ref: WDM 29-11-00  
 ref: WDM 24-30-00  
 ref: WDM 31-61-00  
 ref: WDM 26-11-00

This 3-position switch  
 performs the FIRE TEST  
 function in the aft position

NOTE: ESN-7 maintains  
 connections between 2  
 and 3, and between terminals 4  
 and 5, when the switch toggle is  
 in the center position.

NOTE: Diodes on wires 1WW82E  
 (REF: 30ALP-D02) and 1WW2NE  
 (REF: 30ALP-D01) must be  
 implemented outside the console



Effectivity: AS350B3 embodying Mod 350A07-3476 (B3e)

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		



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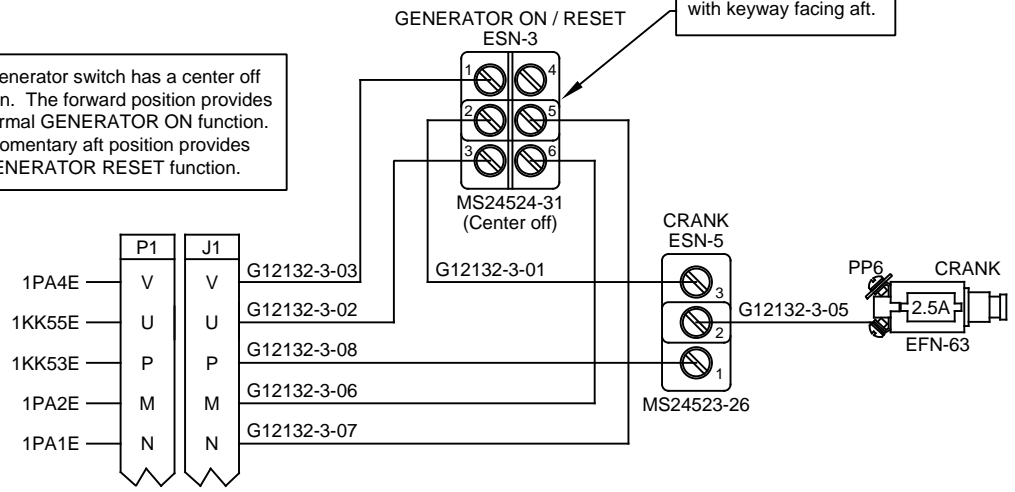
DRAWN	GA	DATE	02/05/13
APPROVAL	CLB	DATE	02/05/13
PRO NO.	GA107	SHT.	1

TITLE	SWITCH DETAILS for B3 P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-3-073476	REV.	--

ref: WDM 24-30-00  
 ref: WDM 80-11-04

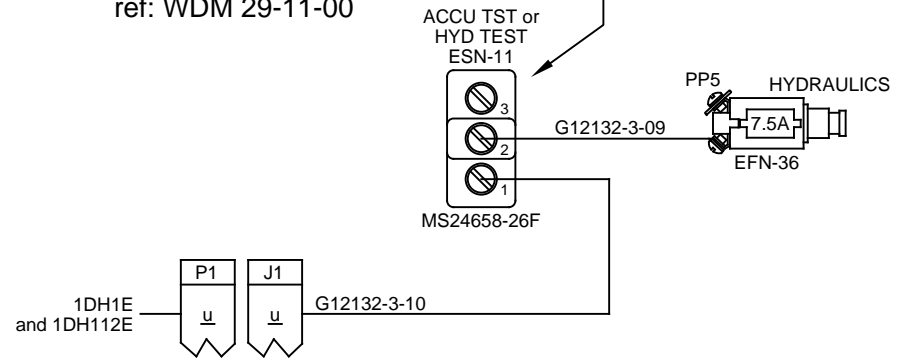
The Generator switch has a center off position. The forward position provides the normal GENERATOR ON function. The momentary aft position provides the GENERATOR RESET function.

NOTE:  
 This switch is installed with keyway facing aft.



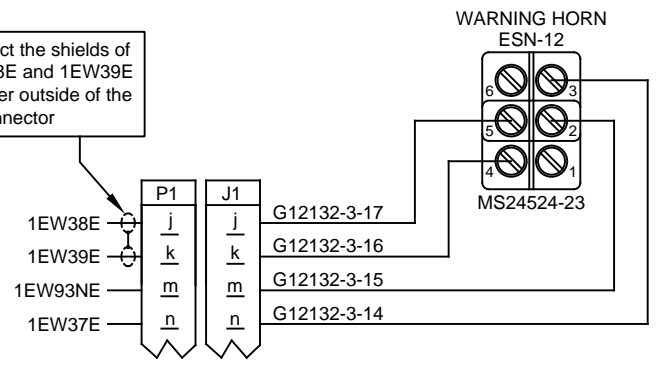
ref: WDM 29-11-00

The toggle of this switch must be marked with the color YELLOW.



ref: WDM 63-41-00

Connect the shields of 1EW38E and 1EW39E together outside of the P1 connector

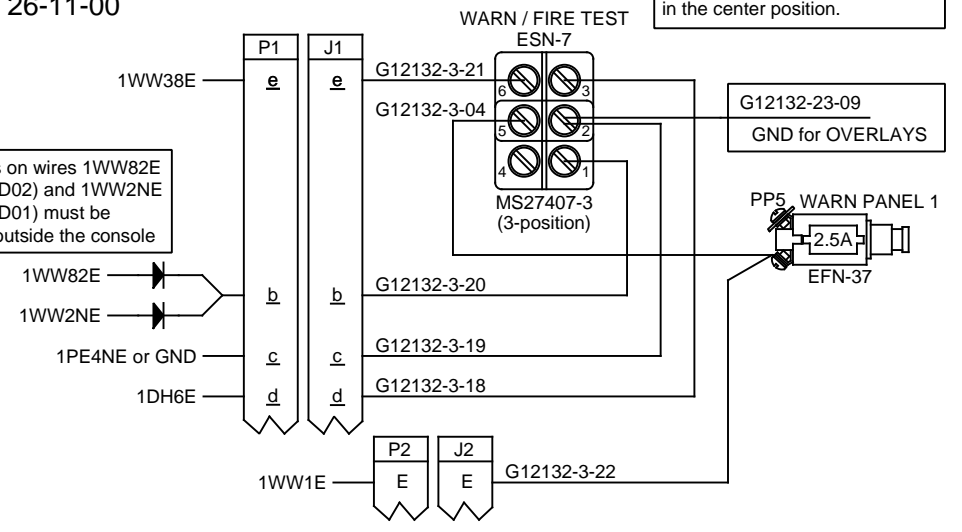


ref: WDM 29-11-00  
 ref: WDM 24-30-00  
 ref: WDM 31-61-00  
 ref: WDM 26-11-00

This 3-position switch performs the FIRE TEST function in the aft position

NOTE: ESN-7 maintains connections between terminals 2 and 3, and between terminals 4 and 5, when the switch toggle is in the center position.

NOTE: Diodes on wires 1WW82E (REF: 30ALP-D02) and 1WW2NE (REF: 30ALP-D01) must be implemented outside the console



Effectivity: AS350B3 embodying Mod 350A07-3476 (B3e)

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
B	ADDED ACCU TST OPTION	10/20/17	GA
A	CHANGED ESN-11 SWITCH TYPE	04/12/17	GA
REVISION	DESCRIPTION	DATE	APROV.



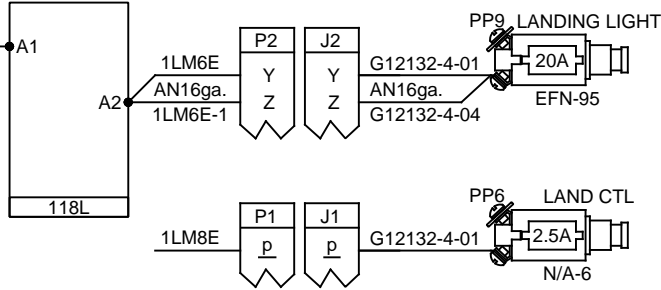
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DRAWN	GA	DATE	02/05/13
APPROVAL	CLB	DATE	02/05/13
PRO NO.	GA107	SHT.	1

TITLE	SWITCH DETAILS for B3 P132 and P122 CONSOLE WIRING
DWG NO.	G12132-3-073476
REV.	B

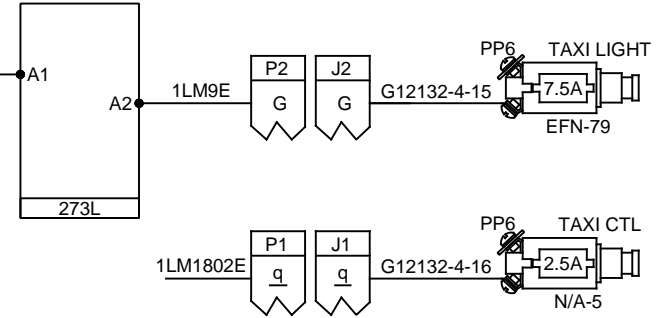
NOTE: If a LANDING LIGHT indicator light is required, the installer shall provide a suitable light and install it within clear view of the pilot, with an appropriate label.

ref: WDM 33-43-01

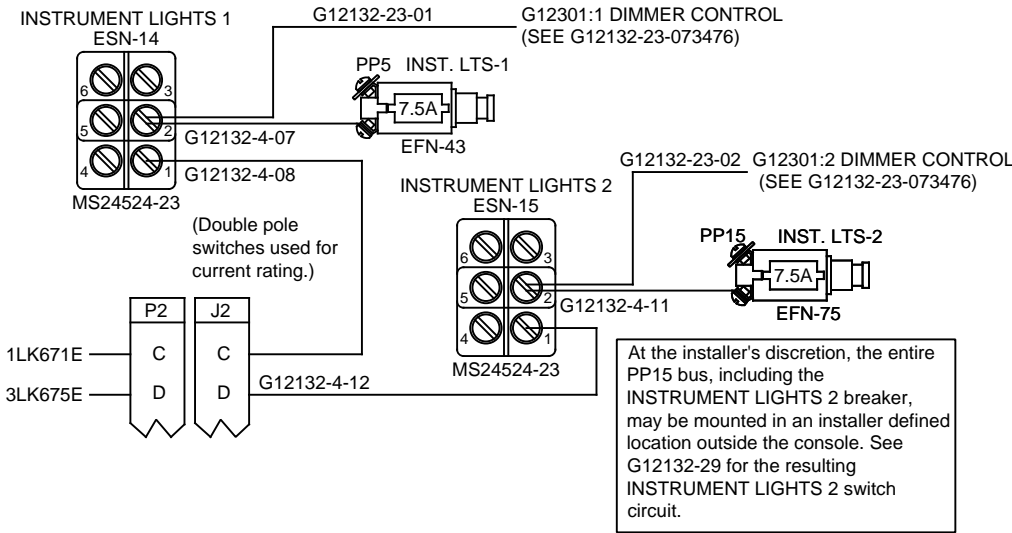


NOTE: If a TAXI LIGHT indicator light is required, the installer shall provide a suitable light and install it within clear view of the pilot, with an appropriate label.

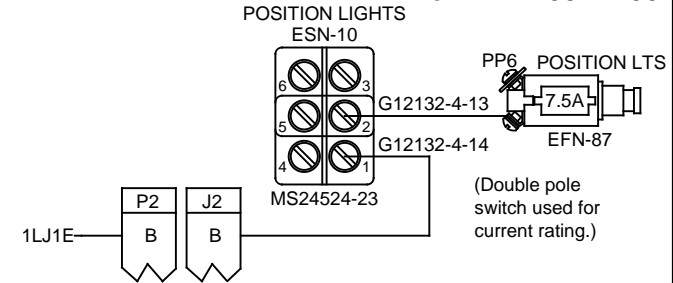
ref: WDM 33-43-02



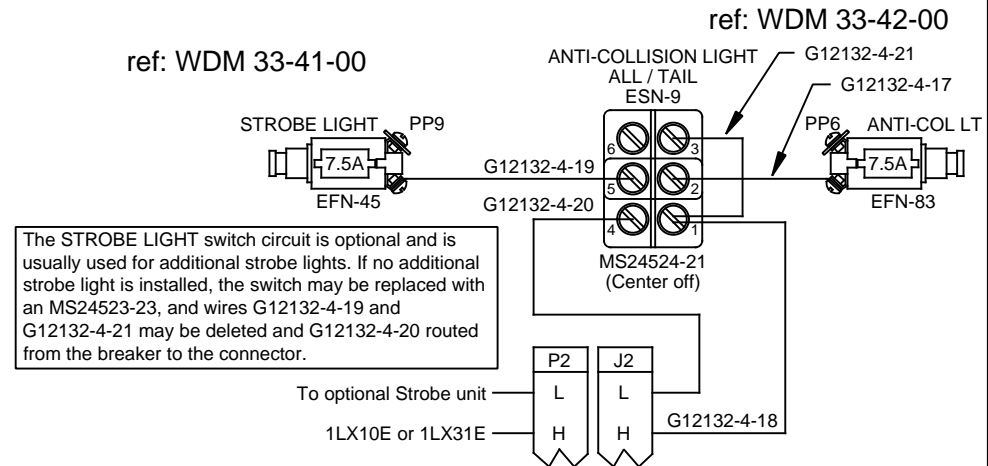
ref: WDM 33-10-00



ref: WDM 33-41-00



ref: WDM 33-41-00



Effectivity: AS350B3 embodying Mod 350A07-3476 (B3e)

SEE NOTES ON G12132-1



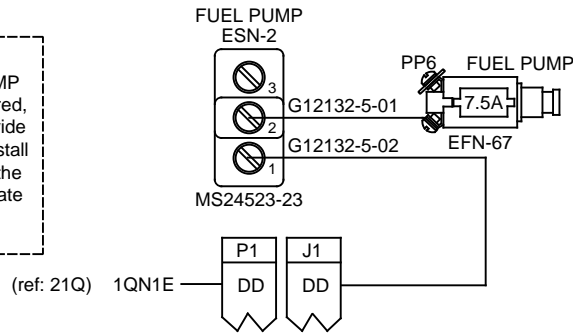
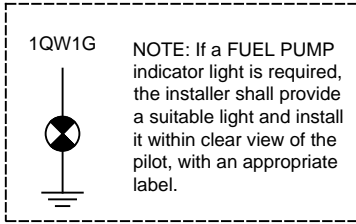
THIS DRAWING INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.

DRAWN	GA	DATE	02/05/13
APPROVAL	CLB	DATE	02/05/13
PRO NO.	GA107	SHT.	1

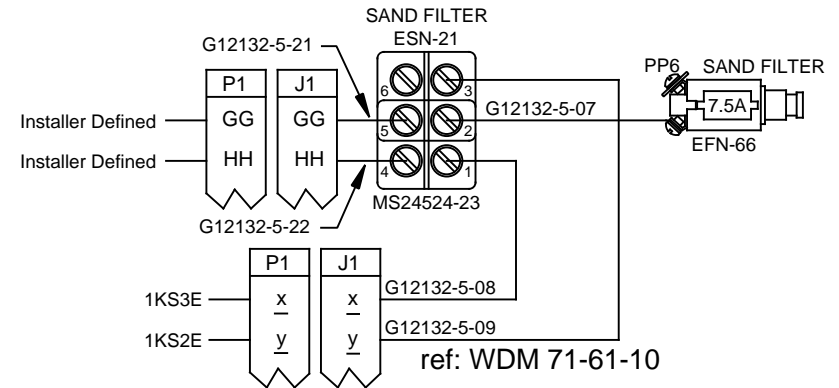
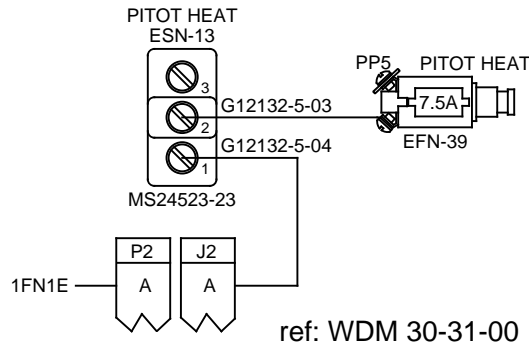
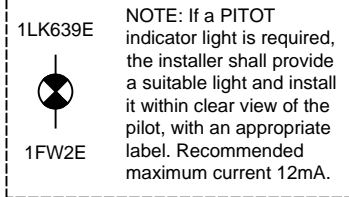
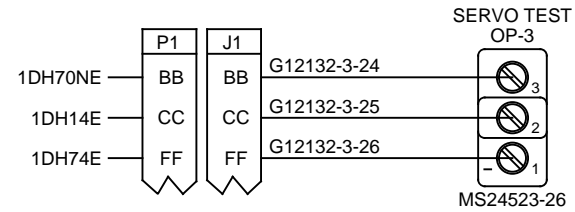
TITLE	LIGHTING CIRCUITS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-4-073476		
REV.	--		

REV	DESCRIPTION	DATE	APROV.
	REVISION		

ref: WDM 28-00-00



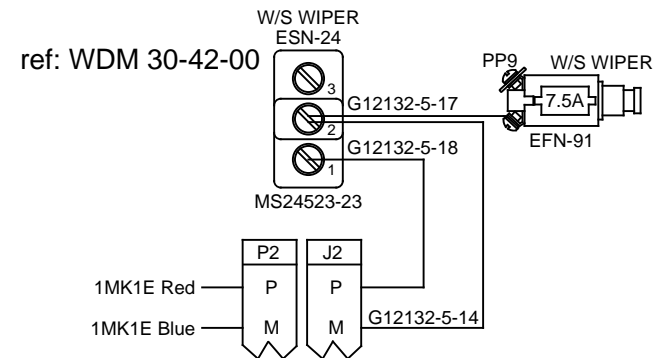
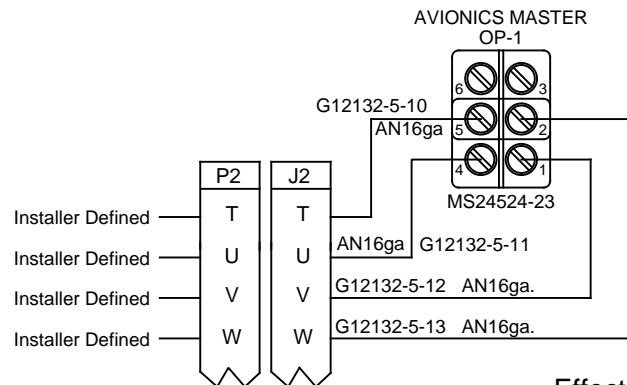
ref: WDM 29-11-00



SEE G12132-16-073476 FOR SAMPLE OPTIONAL CIRCUITS

The OP-x switches and wiring are optional. If they are installed, they must be labeled to show their function.

SWITCH CURRENT RATINGS:  
MS24523-23: Resistive: 20A, Inductive: 15A, Lamp: 5A  
MS24524-23: Resistive: 20A, Inductive: 15A, Lamp: 7A



Effectivity: AS350B3 embodying Mod 350A07-3476 (B3e)

SEE NOTES ON G12132-1



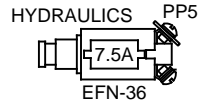
THIS DRAWING INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.

DRAWN	GA	DATE	02/05/13
APPROVAL	CLB	DATE	02/05/13
PRO NO.	GA107	SHT.	1

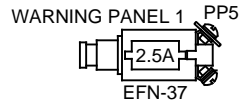
TITLE	SWITCH DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-5-073476	REV.	--

REV	DESCRIPTION	DATE	APROV.
	REVISION		

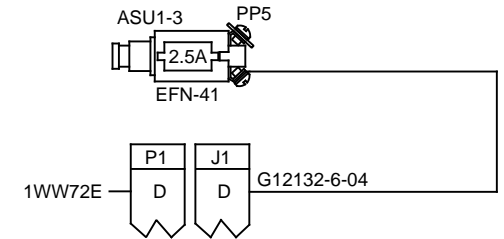
Detailed on G12132-3-073476



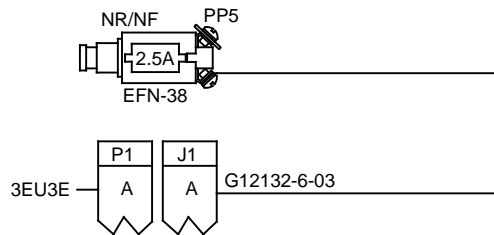
Detailed on G12132-3-073476



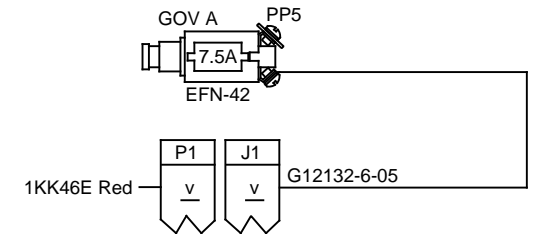
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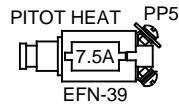
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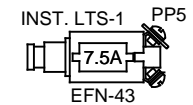
ref: WDM 80-11-04



Detailed on G12132-5-073476



Detailed on G12132-4-073476



Effectivity: AS350B3 embodying Mod 350A07-3476 (B3e)

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

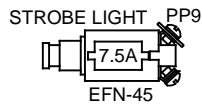


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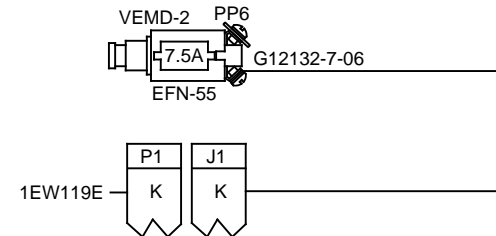
DRAWN	GA	DATE	02/05/13
APPROVAL	CLB	DATE	02/05/13
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING
DWG NO.	G12132-6-073476
REV.	--

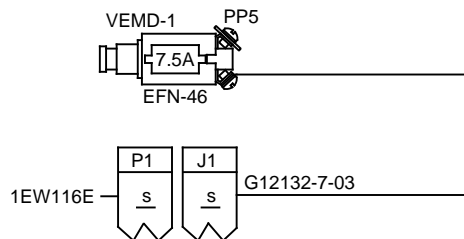
Detailed on G12132-4-073476



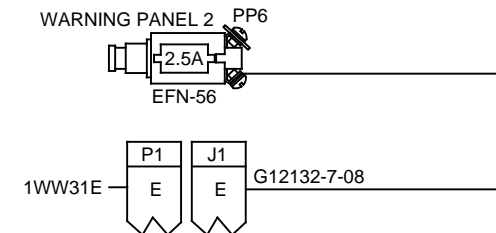
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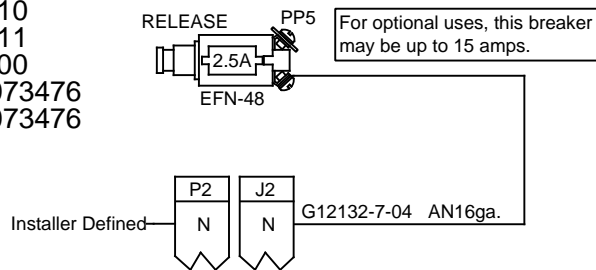
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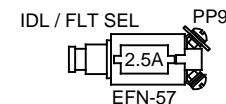
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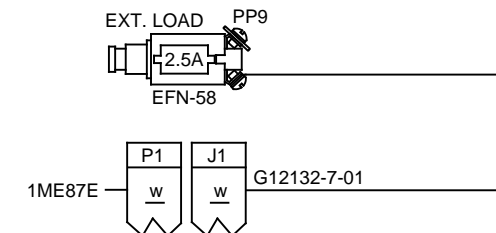
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ref: WDM 25-92-00  
ref: G12132-17-073476  
ref: G12132-18-073476



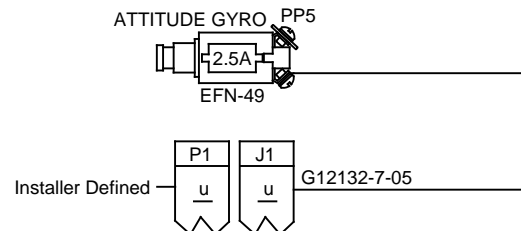
Detailed on G12132-2-073476



ref: WDM 25-91-00  
ref: WDM 25-91-10



ref: WDM 34-25-30



Effectivity: AS350B3 embodying Mod 350A07-3476 (B3e)

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

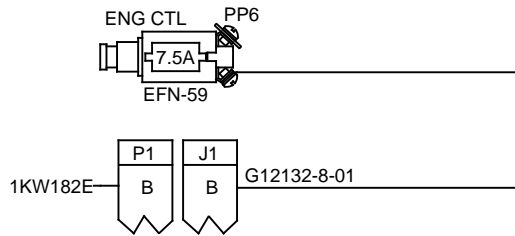


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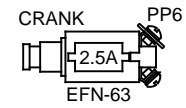
DRAWN	GA	DATE	02/05/13
APPROVAL	CLB	DATE	02/05/13
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-7-073476	REV.	--

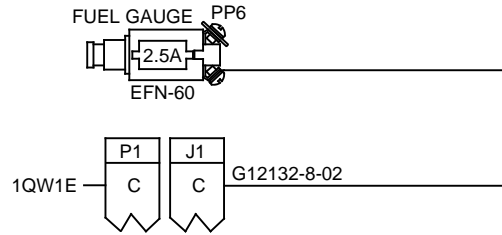
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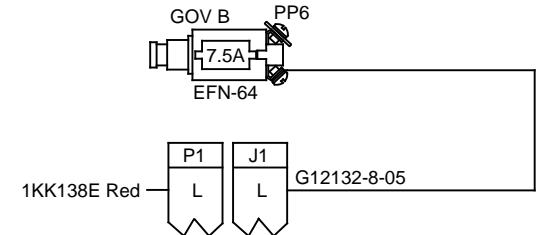
Detailed on G12132-3-073476



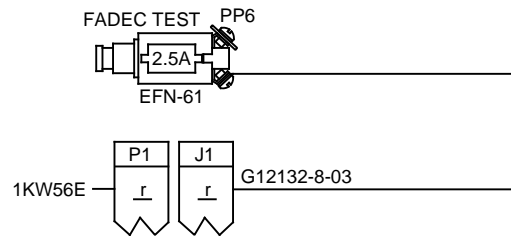
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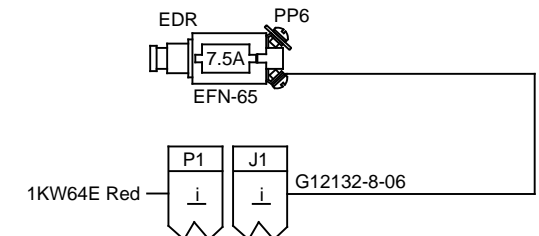
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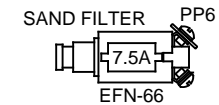
ref: WDM 77-00-04



ref: WDM 77-30-00



Detailed on G12132-5-073476



Effectivity: AS350B3 embodying Mod 350A07-3476 (B3e)

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

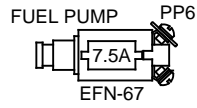


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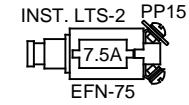
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APPROVAL	CLB	DATE	02/05/13
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-8-073476	REV.	--

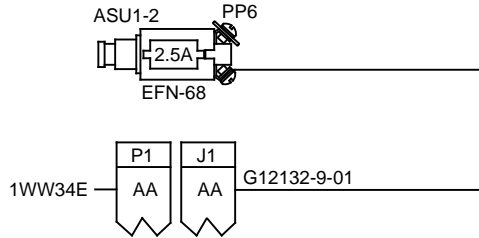
Detailed on G12132-5-073476



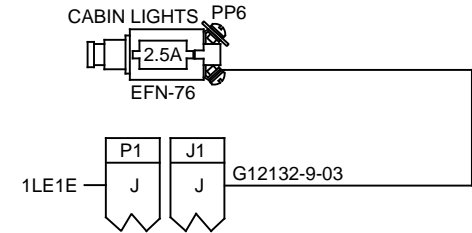
Detailed on G12132-4-073476



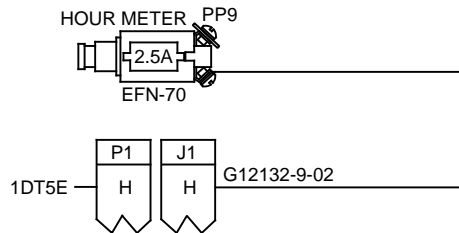
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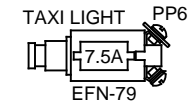
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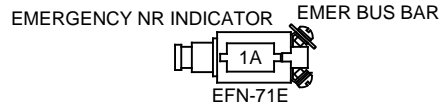
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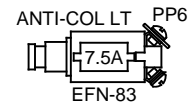
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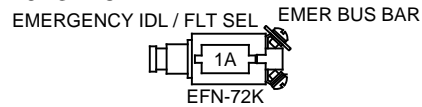
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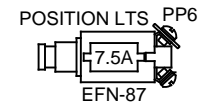
Detailed on G12132-4-073476



Detailed on G12132-2-073476



Detailed on G12132-4-073476



Effectivity: AS350B3 embodying Mod 350A07-3476 (B3e)

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

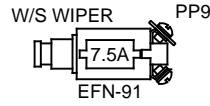


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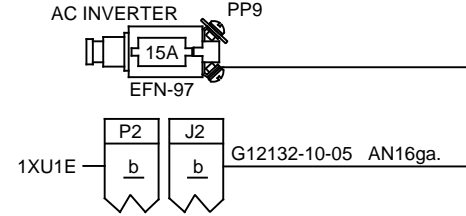
DRAWN	GA	DATE	02/05/13
APPROVAL	CLB	DATE	02/05/13
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-9-073476	REV.	--

Detailed on G12132-5-073476

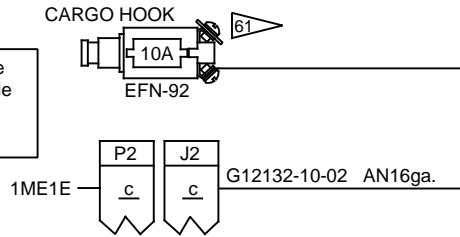


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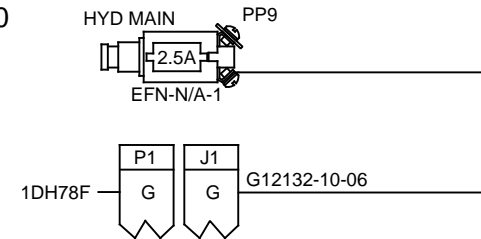


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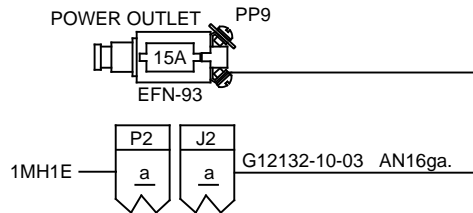
61 Source directly from wire 1MY41E, or through an available power terminal post. See G12132-36 for examples.



ref: WDM 29-11-00

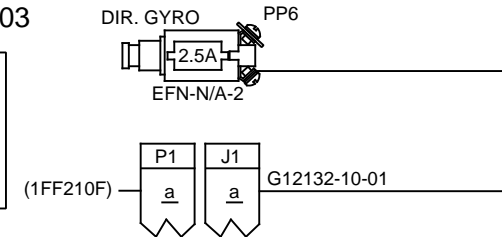


ref: WDM 24-60-01  
ref: WDM 25-26-06

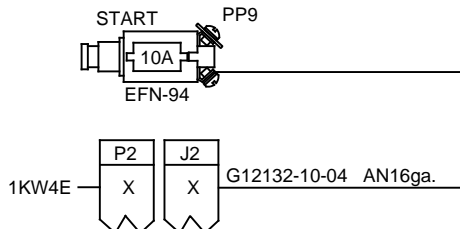


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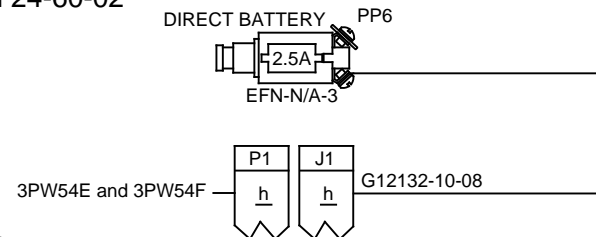
Wire directly to the Directional gyro, or through a relay or an On/Off switch; or, this function may be moved to a breaker that is supplied from a switched bus.



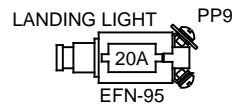
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ref: WDM 24-60-02

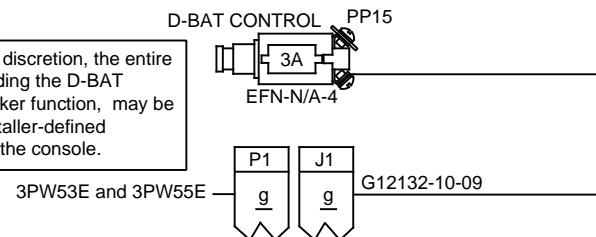


Detailed on G12132-4-073476



ref: WDM 24-60-02

At the installer's discretion, the entire PP15 bus, including the D-BAT CONTROL breaker function, may be moved to an installer-defined location outside the console.



Effectivity: AS350B3 embodying Mod 350A07-3476 (B3e)

SEE NOTES ON G12132-1



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PRO NO.	GA107	SHT.	1

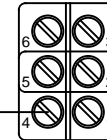
TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING
DWG NO.	G12132-10-073476
REV.	--

REV	DESCRIPTION	DATE	APROV.
	REVISION		

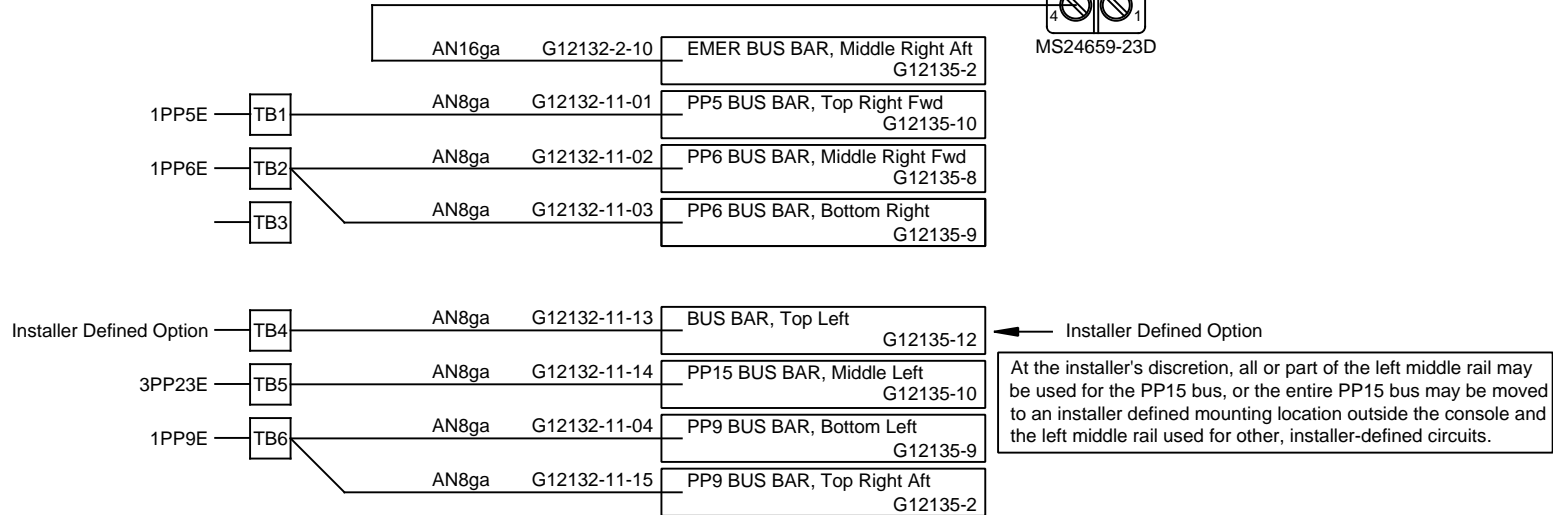
ref: WDM 63-41-00  
 ref: WDM 24-30-00  
 ref: WDM 24-60-02

ref: G12132-2-073476

MASTER CUTOFF  
 ESN-6



MS24659-23D

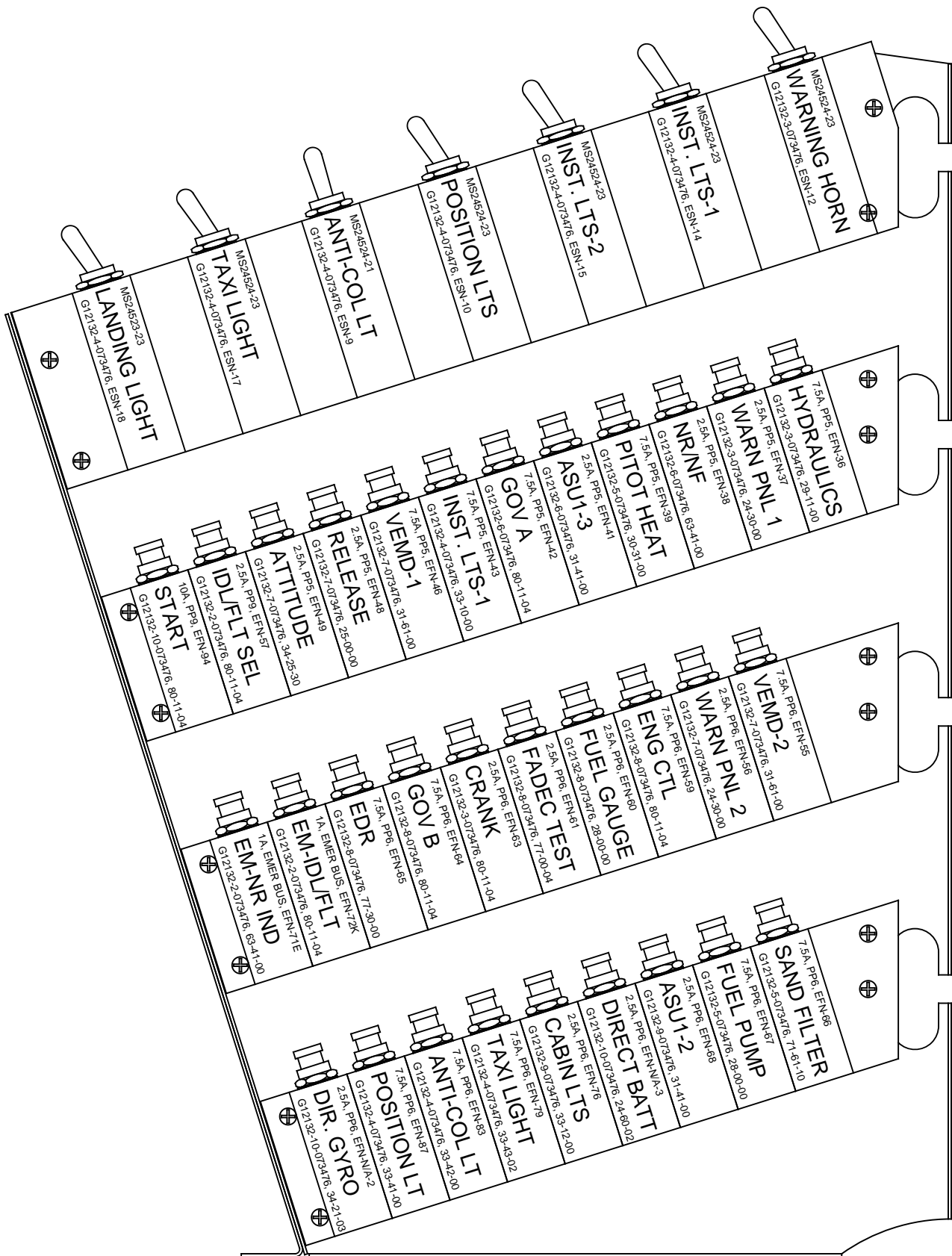


### Primary Power to Circuit Breakers

Effectivity: AS350B3 embodying Mod 350A07-3476 (B3e)

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.	 www.genevaaviation.com	THIS DRAWING INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.	DRAWN	GA	DATE	02/05/13	TITLE	BUS BAR DETAILS		
	REVISION					APPROVAL	CLB	DATE	02/05/13	P132 and P122 CONSOLE WIRING			
						PRO NO.	GA107	SHT.	1	DWG NO.	G12132-11-073476	REV.	--

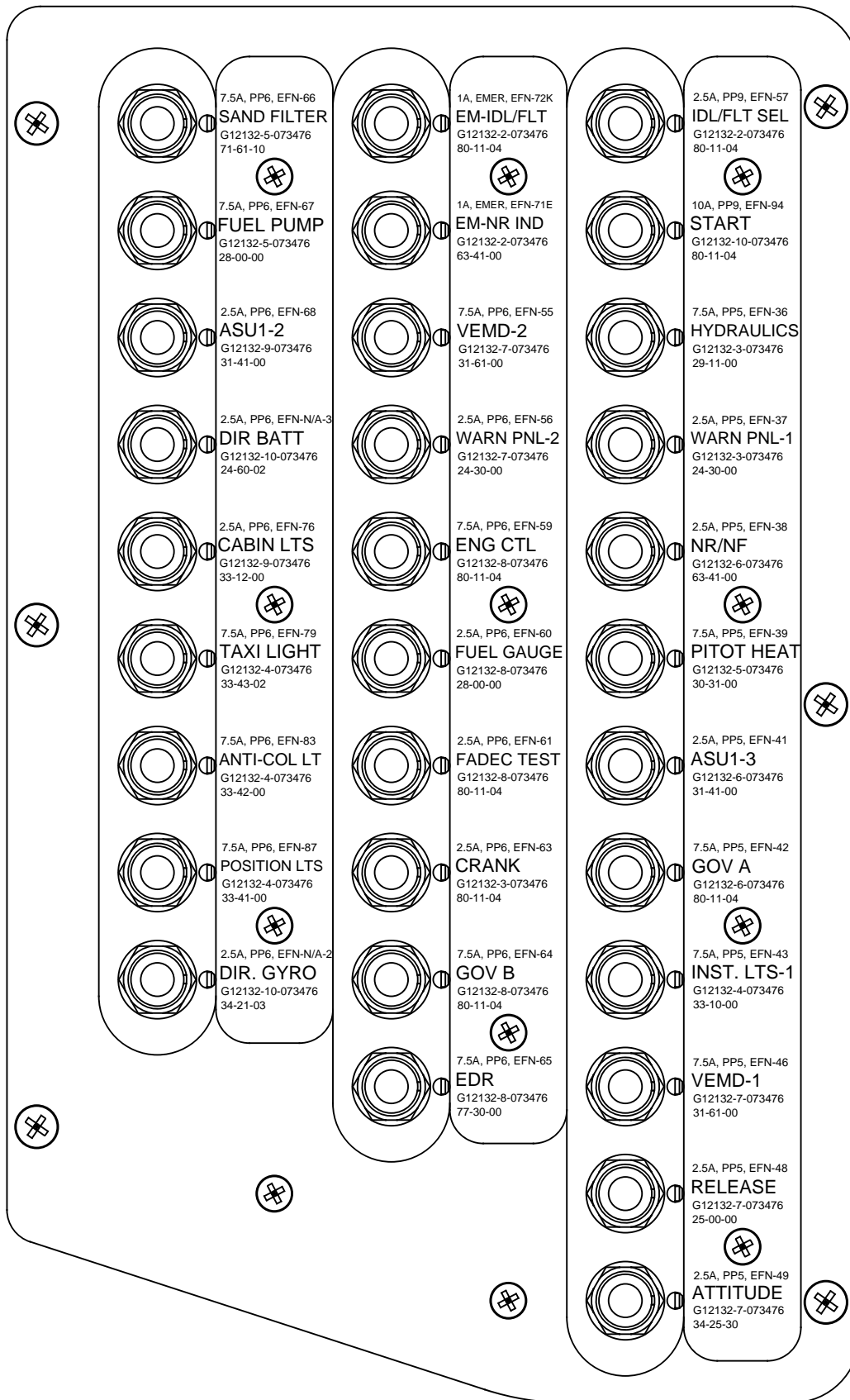


**FWD** →

Effectivity: AS350B3 Embodying  
Mod 350A07-3476 (B3e)



REV	DESCRIPTION REVISION	DATE	APPROV.	THIS DOCUMENT INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.				DESIGNED	GA	DATE	02/05/13	TITLE CONSOLE BREAKER LAYOUT P132 RIGHT SIDE VIEW for AS350B3	REV.
				DRAWN	GA	DATE	02/05/13						
				CHECKED	GA	DATE	02/05/13						
				APPROVAL	CLB	DATE	02/05/13						
				PRO NO.	GA107	SHT.	1	DWG NO.	G12132-13-073476	--			



**FWD**

Effectivity: AS350B3 Embodying  
Mod 350A07-3476 (B3e)

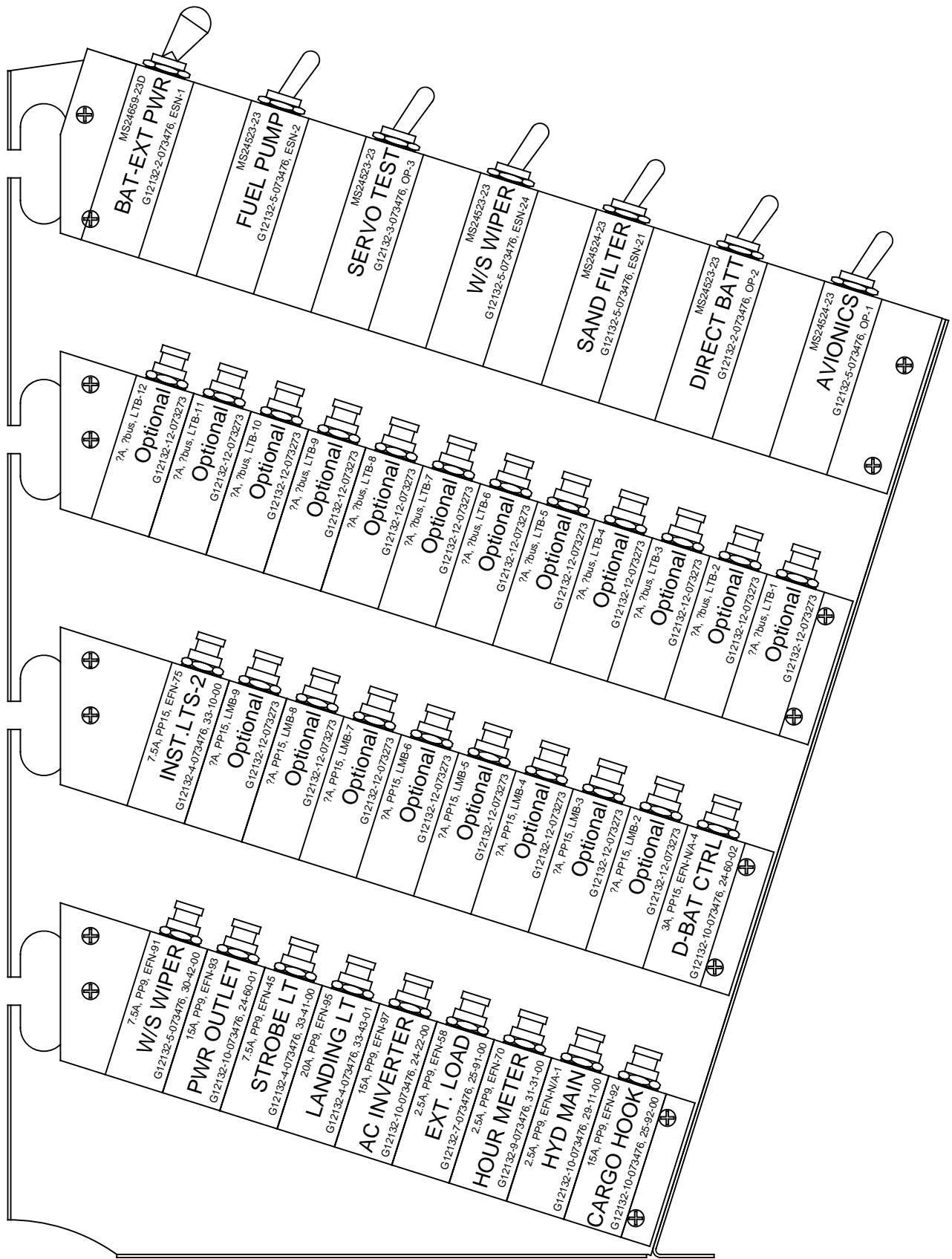
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	DRAWN	GA	DATE	02/05/13
	CHECKED	GA	DATE	02/05/13
	APPROVAL	CLB	DATE	02/05/13
	PRO NO.	GA107	SHT.	1

TITLE	CONSULE BREAKER LAYOUT P122 RIGHT SIDE VIEW for AS350B3
DWG NO.	G12132-13-073476-P122
REV.	--

REV	DESCRIPTION	DATE	APROV.
	REVISION		



← FWD

Effectivity: AS350B3 Embodying  
Mod 350A07-3476 (B3e)



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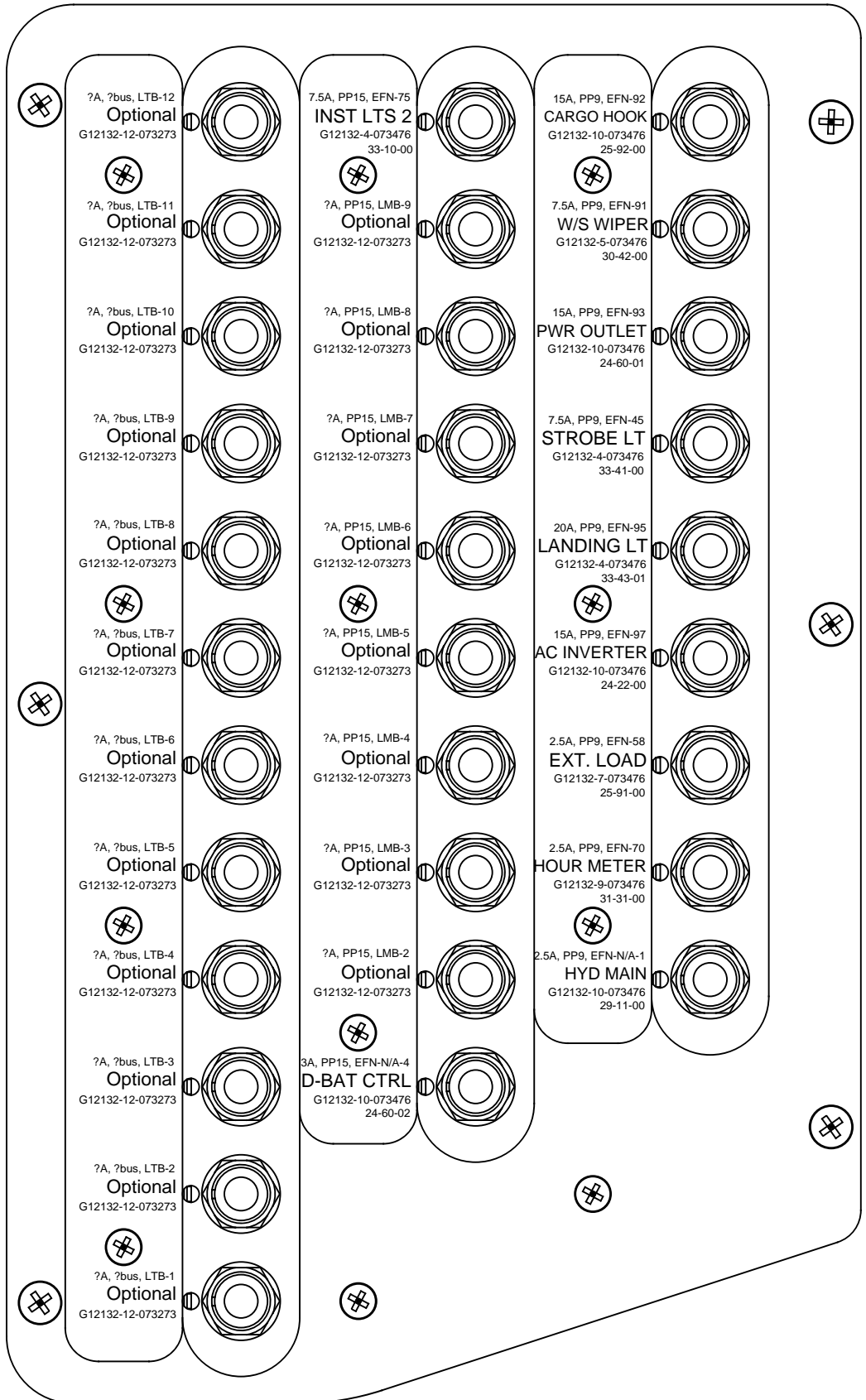
TITLE: CONSOLE BREAKER LAYOUT  
P132 LEFT SIDE VIEW for AS350B3  
DWG NO. G12132-14-073476

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DESIGNED	GA	DATE	02/05/13
DRAWN	GA	DATE	02/05/13
CHECKED	GA	DATE	02/05/13
APPROVAL	CLB	DATE	02/05/13
PRO NO.	GA107	SHT.	1

REV	DESCRIPTION	DATE	APPROV.
	REVISION		

REV. --



← FWD

Effectivity: AS350B3 Embodying  
Mod 350A07-3476 (B3e)



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	DRAWN	GA	DATE	02/05/13
	CHECKED	GA	DATE	02/05/13
	APPROVAL	CLB	DATE	02/05/13
	PRO NO.	GA107	SHT.	1

TITLE	CONSOLE BREAKER LAYOUT	
	P122 LEFT SIDE VIEW for AS350B3	
DWG NO.	G12132-14-073476-P122	REV. --

REV	DESCRIPTION	DATE	APPROV.
	REVISION		

MS24524-31  
**GENERATOR ON**  
 G12132-3-073476, ESN-3

MS24658-23D  
**HYD TEST**  
 G12132-3-073476, ESN-11

MS27407-3  
**WARN / FIRE TEST**  
 G12132-3-073476, ESN-7

MS24523-26  
**CRANK ENGINE**  
 G12132-3-073476, ESN-5

MS24659-23D  
**MASTER CUTOFF**  
 G12132-2-073476, ESN-6

MS24523-23  
**PITOT HEAT**  
 G12132-5-073476, ESN-13

MS24659-23D  
**BAT-EXT PWR**  
 G12132-2-073476, ESN-1

MS24523-23  
**FUEL PUMP**  
 G12132-5-073476, ESN-2

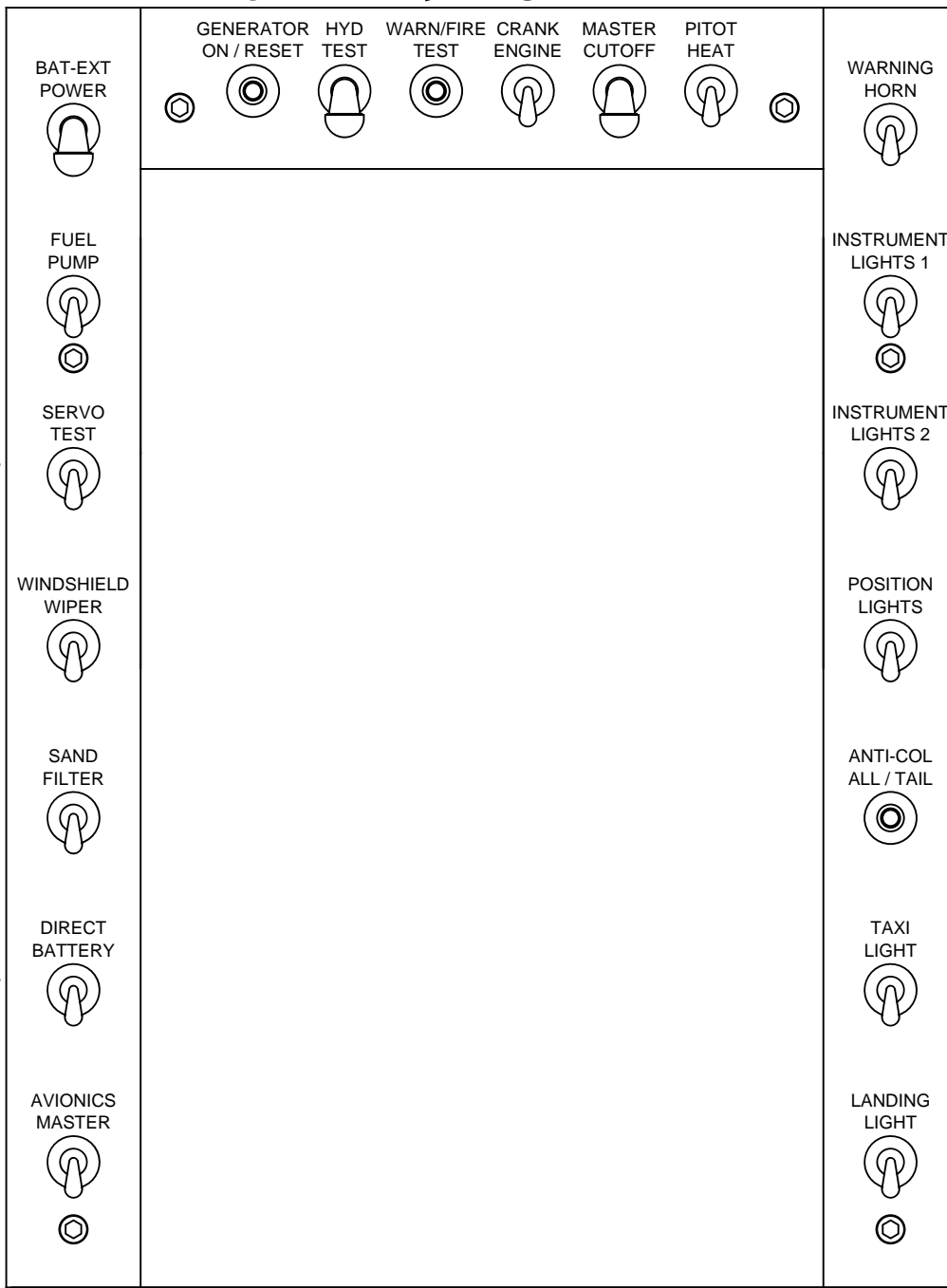
MS24523-23  
**SERVO TEST**  
 G12132-3-073476, OP-3

MS24523-23  
**W/S WIPER**  
 G12132-5-073476, ESN-24

MS24524-23  
**SAND FILTER**  
 G12132-5-073476, ESN-21

MS24523-23  
**DIRECT BATT**  
 G12132-2-073476, OP-2

MS24524-23  
**AVIONICS**  
 G12132-5-073476, OP-1



MS24524-23  
**WARNING HORN**  
 G12132-3-073476, ESN-12

MS24524-23  
**INST. LTS-1**  
 G12132-4-073476, ESN-14

MS24524-23  
**INST. LTS-2**  
 G12132-4-073476, ESN-15

MS24524-23  
**POSITION LTS**  
 G12132-4-073476, ESN-10

MS24524-21  
**ANTI-COL LT**  
 G12132-4-073476, ESN-9

MS24524-23  
**TAXI LIGHT**  
 G12132-4-073476, ESN-17

MS24523-23  
**LANDING LT**  
 G12132-4-073476, ESN-18

Effectivity: AS350B3 Embodying  
 Mod 350A07-3476 (B3e)



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	DRAWN	GA	DATE	02/05/13
	CHECKED	GA	DATE	02/05/13
	APPROVAL	CLB	DATE	02/05/13
	PRO NO.	GA107	SHT.	1

TITLE	CONSOLE SWITCH LAYOUT P132 TOP VIEW for AS350B3	
DWG NO.	G12132-15-073476	REV. --

A	See Revision Block on G12132-1-073476		
REV	DESCRIPTION	DATE	APROV.
	REVISION		

Note: HYD TEST  
switch may be marked  
ACCU TST

MS24524-31  
**GENERATOR ON**  
G12132-3-073476, ESN-3

MS24658-26F  
**HYD TEST**  
G12132-3-073476, ESN-11

MS27407-3  
**WARN / FIRE TEST**  
G12132-3-073476, ESN-7

MS24523-26  
**CRANK ENGINE**  
G12132-3-073476, ESN-5

MS24659-23D  
**MASTER CUTOFF**  
G12132-2-073476, ESN-6

MS24523-23  
**PITOT HEAT**  
G12132-5-073476, ESN-13

MS24659-23D  
**BAT-EXT PWR**  
G12132-2-073476, ESN-1



MS24523-23  
**FUEL PUMP**  
G12132-5-073476, ESN-2



MS24523-23  
**SERVO TEST**  
G12132-3-073476, OP-3



MS24523-23  
**W/S WIPER**  
G12132-5-073476, ESN-24



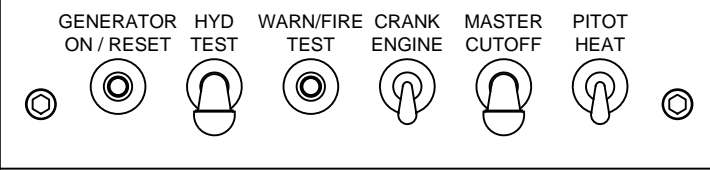
MS24524-23  
**SAND FILTER**  
G12132-5-073476, ESN-21



MS24523-23  
**DIRECT BATT**  
G12132-2-073476, OP-2



MS24524-23  
**AVIONICS**  
G12132-5-073476, OP-1



MS24524-23  
**WARNING HORN**  
G12132-3-073476, ESN-12



MS24524-23  
**INST. LTS-1**  
G12132-4-073476, ESN-14



MS24524-23  
**INST. LTS-2**  
G12132-4-073476, ESN-15



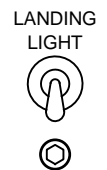
MS24524-23  
**POSITION LTS**  
G12132-4-073476, ESN-10



MS24524-21  
**ANTI-COL LT**  
G12132-4-073476, ESN-9



MS24524-23  
**TAXI LIGHT**  
G12132-4-073476, ESN-17



MS24523-23  
**LANDING LT**  
G12132-4-073476, ESN-18

Effectivity: AS350B3 Embodying  
Mod 350A07-3476 (B3e)



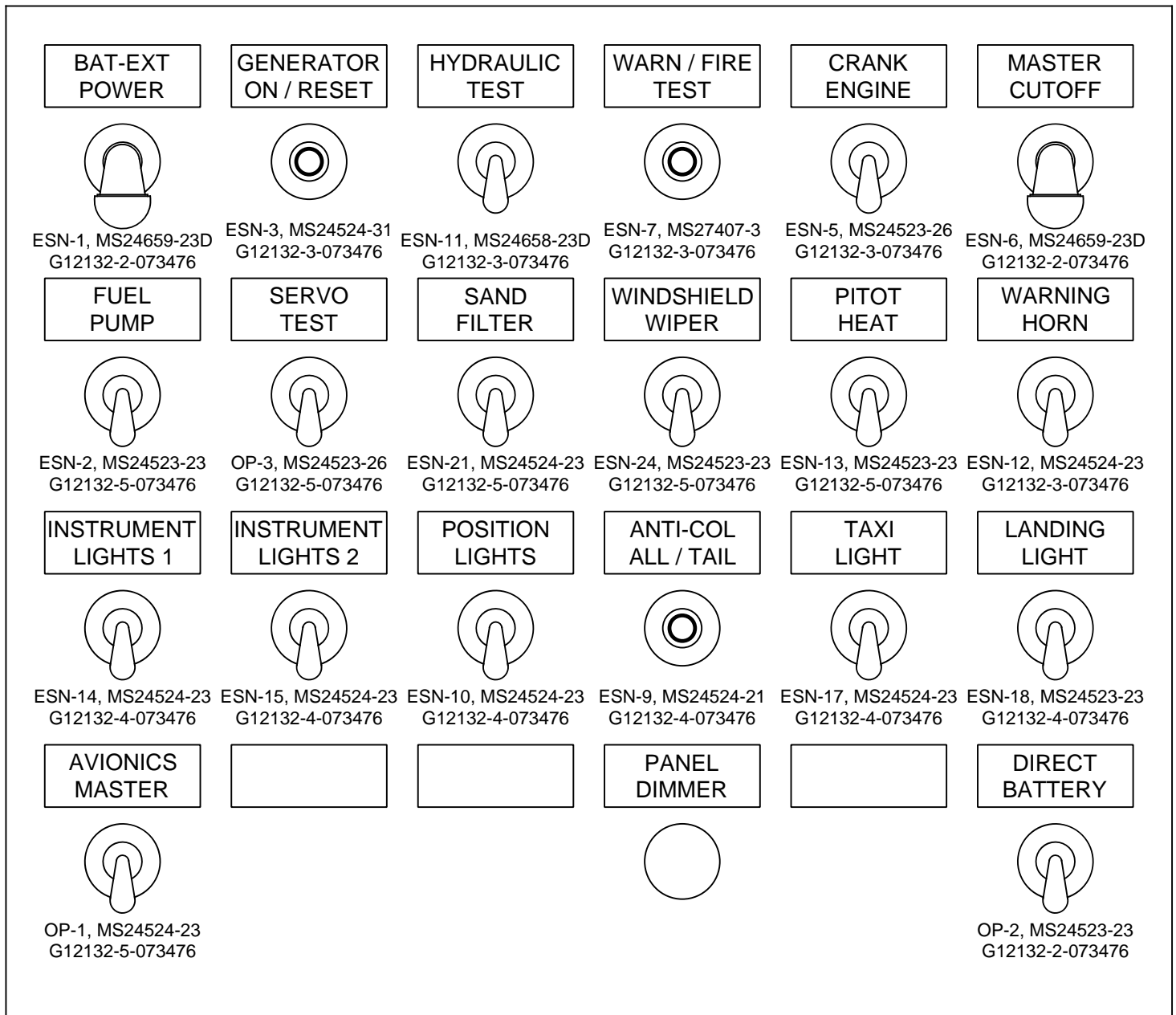
REV	DESCRIPTION	DATE	APROV.
B	Added ACCU TST note	10/20/17	GA
A	Changed EFN-11 switch type	04/12/17	GA
REVISION			

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DESIGNED	GA	DATE	02/05/13
DRAWN	GA	DATE	02/05/13
CHECKED	GA	DATE	02/05/13
APPROVAL	CLB	DATE	02/05/13
PRO NO.	GA107	SHT.	1

TITLE	CONSOLE SWITCH LAYOUT P132 TOP VIEW for AS350B3		
DWG NO.	G12132-15-073476		REV. B

# P122 CONSOLE LAYOUT



Effectivity: AS350B3 Embodying  
Mod 350A07-3476 (B3e)

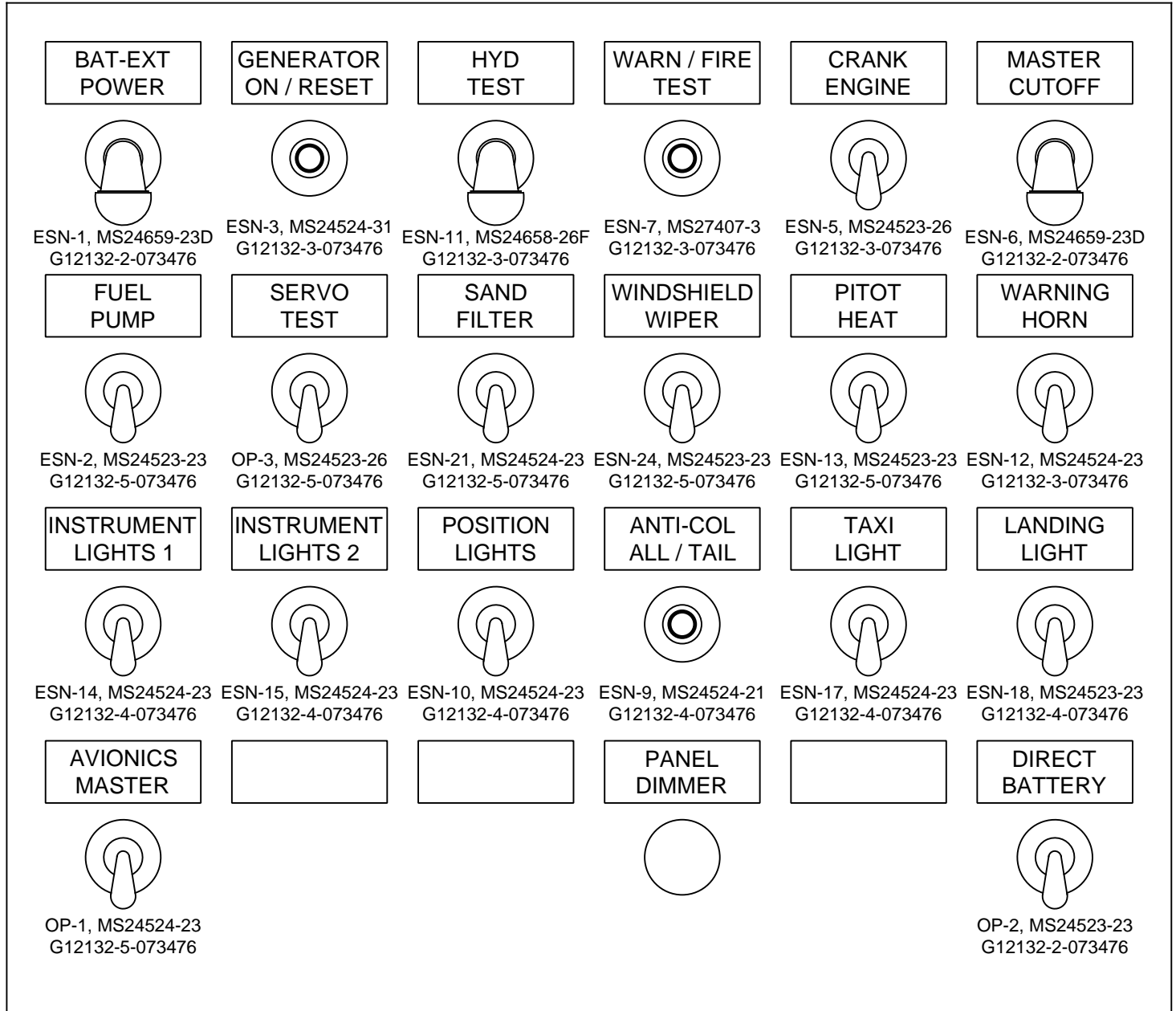


THIS DOCUMENT INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.	DESIGNED	GA	DATE	02/05/13
	DRAWN	GA	DATE	02/05/13
	CHECKED	GA	DATE	02/05/13
	APPROVAL	CLB	DATE	02/05/13
	PRO NO.	GA107	SHT.	1

TITLE	CONSOLE SWITCH LAYOUT P122 TOP VIEW for AS350B3
DWG NO.	G12132-15-073476-P122
REV.	--

REV	DESCRIPTION	DATE	APROV.
	REVISION		

# P122 CONSOLE LAYOUT



Note: HYD TEST switch may be marked ACCU TST

Effectivity: AS350B3 Embodying  
Mod 350A07-3476 (B3e)



REV	DESCRIPTION	DATE	APROV.
C	Changed ESN-11 switch image to locking switch.	11/08/17	GA
B	Added ACCU TST note	10/20/17	GA
A	Changed EFN-11 switch type	04/12/17	GA
REVISION			

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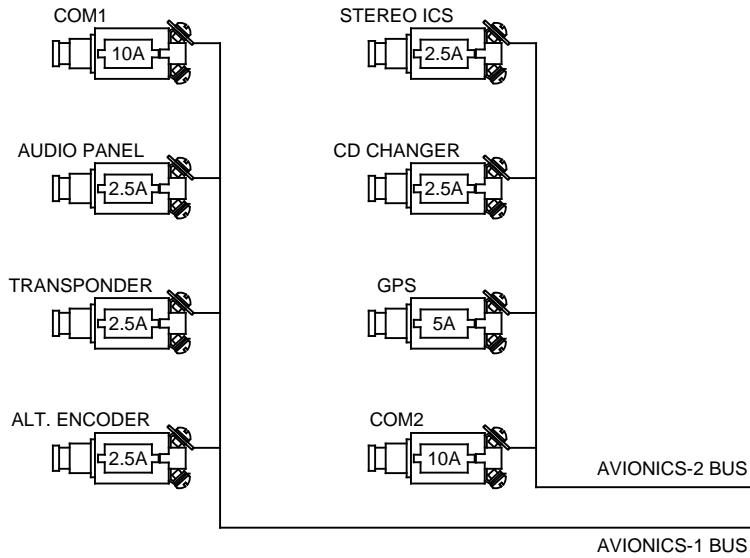
DESIGNED	GA	DATE	02/05/13
DRAWN	GA	DATE	02/05/13
CHECKED	GA	DATE	02/05/13
APPROVAL	CLB	DATE	02/05/13
PRO NO.	GA107	SHT.	1

TITLE	CONSOLE SWITCH LAYOUT P122 TOP VIEW for AS350B3		
DWG NO.	G12132-15-073476-P122		REV. C

# SAMPLE OPTIONAL CIRCUITS

More samples on G12132-17-073476

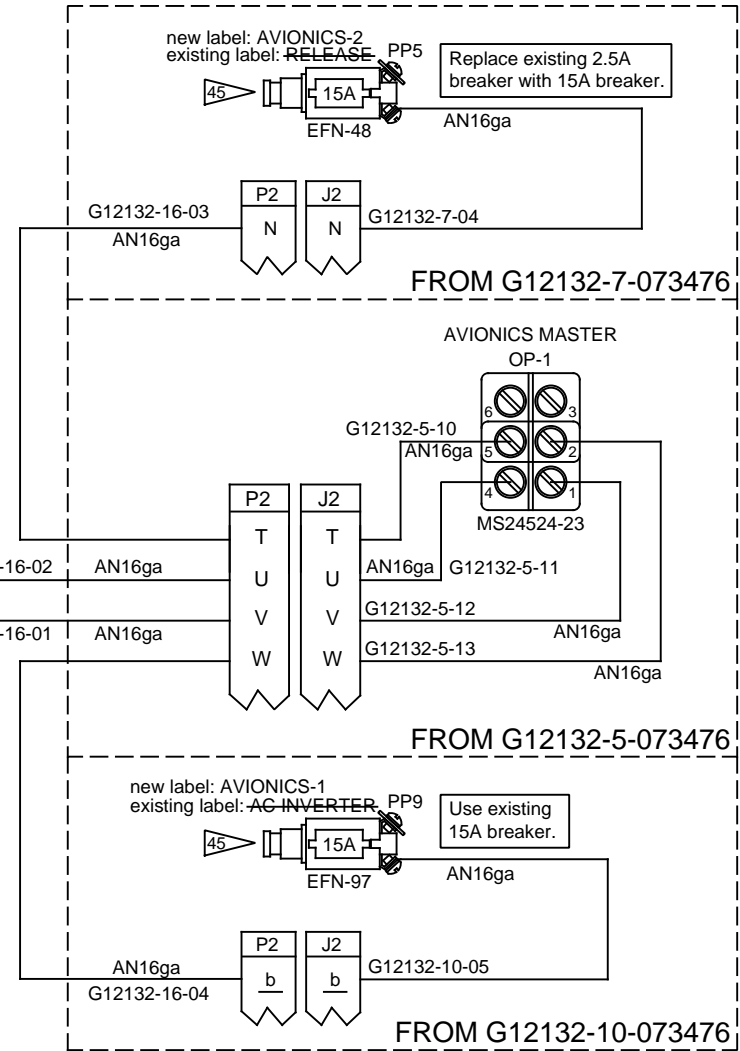
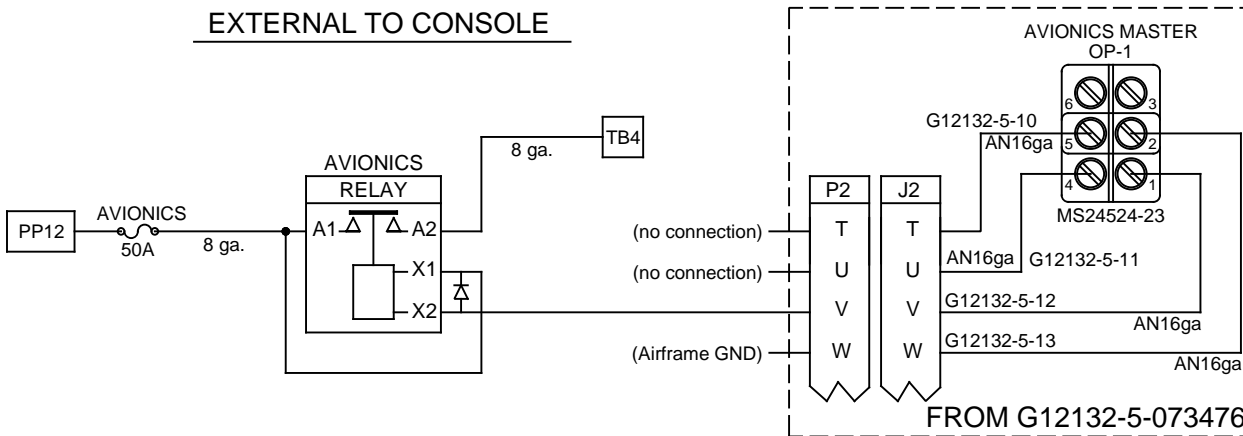
Avionics breakers may be mounted in the Optional rails, or in an installer-defined location outside the console.



Sample AVIONICS circuit

## Sample AVIONICS MASTER circuit

EXTERNAL TO CONSOLE



Alternatively, separate AVIONICS-1 and AVIONICS-2 bus breakers may be mounted in the optional rails, or in an installer-defined location outside the console, and powered separately.

Effectivity: AS350B3 Embodying  
Mod 350A07-3476 (B3e) SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		



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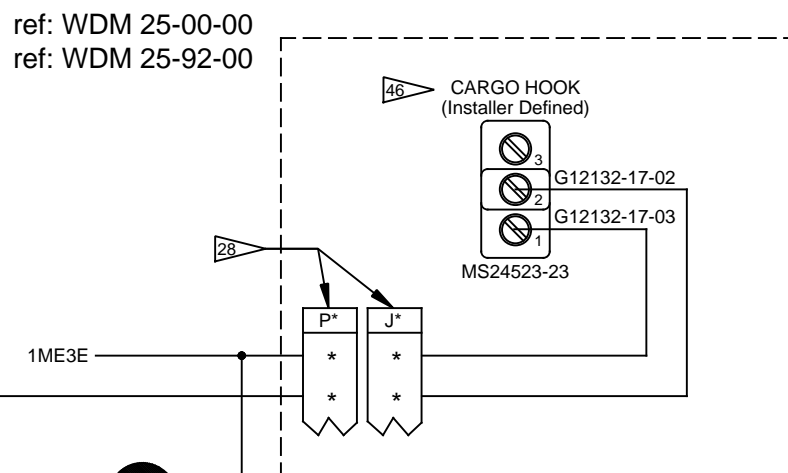
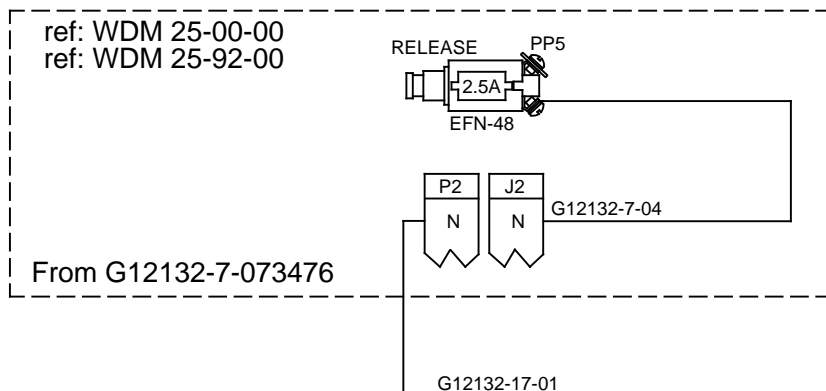
DRAWN	GA	DATE	02/05/13	TITLE	AVIONICS SAMPLE CIRCUITS P132 and P122 CONSOLE WIRING
APPROVAL	CLB	DATE	02/05/13	PRO NO.	GA107
SHT.	1	DWG NO.	G12132-16-073476	REV.	--


# SAMPLE OPTIONAL CIRCUITS

More samples on G12132-18-073476

**SWITCH CURRENT RATINGS:**  
 MS24523-23: Resistive: 20A, Inductive: 15A, Lamp: 5A  
 MS24524-23: Resistive: 20A, Inductive: 15A, Lamp: 7A

## Sample CARGO HOOK circuit



  
 HOOK ARMED warning light.  
 Installer shall provide suitable light  
 and install in clear view of pilot, with  
 appropriate label.

28 A connector is not required in this position. The airframe wires may be connected directly to the switch. If a connector is used for this circuit, the installer shall record the connector's identification number and the contact positions used.

46 There is no standard switch assigned to the CARGO HOOK function in the -073476 version of the console. If a CARGO HOOK circuit is required, implement it using an available optional switch, or using a switch mounted in an installer-defined location outside the console. The wire numbers shown are only an example. If an internal switch is used, the wire numbers should be updated to match the internal console wiring for that switch. If an external switch is used, the installer may use these numbers, or assign unique wire numbers as appropriate.

Effectivity: AS350B3 embodying mod 350A07-3476 (B3e)

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

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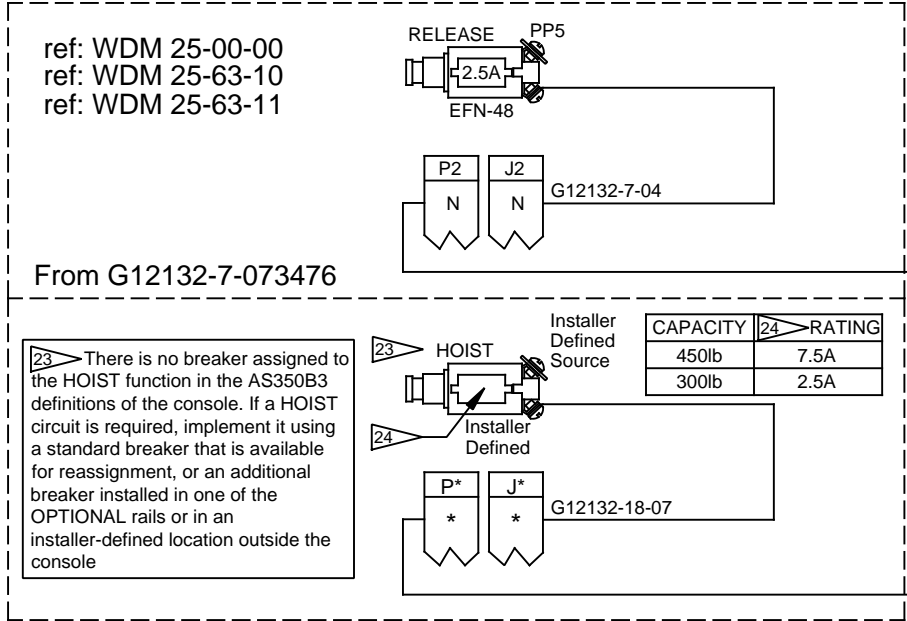
DRAWN	GA	DATE	02/05/13
APPROVAL	CLB	DATE	02/05/13
PRO NO.	GA107	SHT.	1

TITLE	CARGO HOOK SAMPLE CIRCUIT P132 and P122 CONSOLE WIRING	
DWG NO.	G12132-17-073476	REV. --

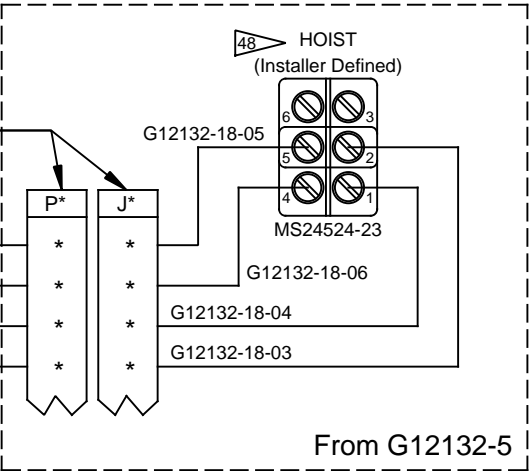
# SAMPLE OPTIONAL CIRCUITS

More samples on G12132-16-073476

**SWITCH CURRENT RATINGS:**  
 MS24523-23: Resistive: 20A, Inductive: 15A, Lamp: 5A  
 MS24524-23: Resistive: 20A, Inductive: 15A, Lamp: 7A



ref: WDM 25-63-10  
 ref: WDM 25-63-11  
 ref: WDM 25-00-00



30 A connector is not required in this position. The airframe wires may be connected directly to the switch. If a connector is used for this circuit, the installer shall record the connector's identification number and the contact positions used.

48 There is no standard switch assigned to the HOIST function in the -073368 version of the console. If a HOIST circuit is required, implement it using an available optional switch, or using a switch mounted in an installer-defined location outside the console. The wire numbers shown are only an example. If an internal switch is used, the wire numbers should be updated to match the internal console wiring for that switch. If an external switch is used, the installer may use these numbers, or assign unique wire numbers as appropriate.

HOIST ARMED warning light.  
 Installer shall provide suitable light and install in clear view of pilot, with appropriate label.

## SAMPLE HOIST CIRCUIT

Effectivity: AS350B3 embodying mod 350A07-3476 (B3e)

SEE NOTES ON G12132-1

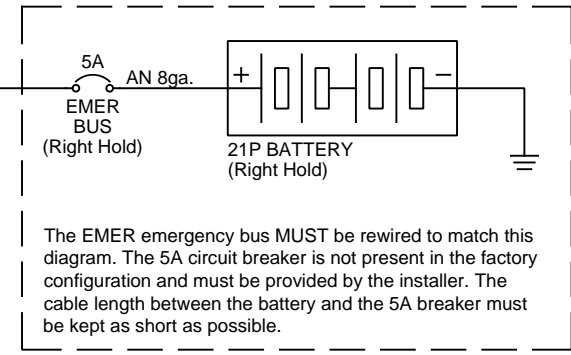
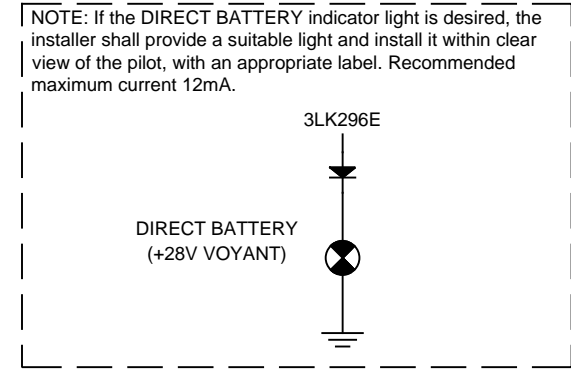
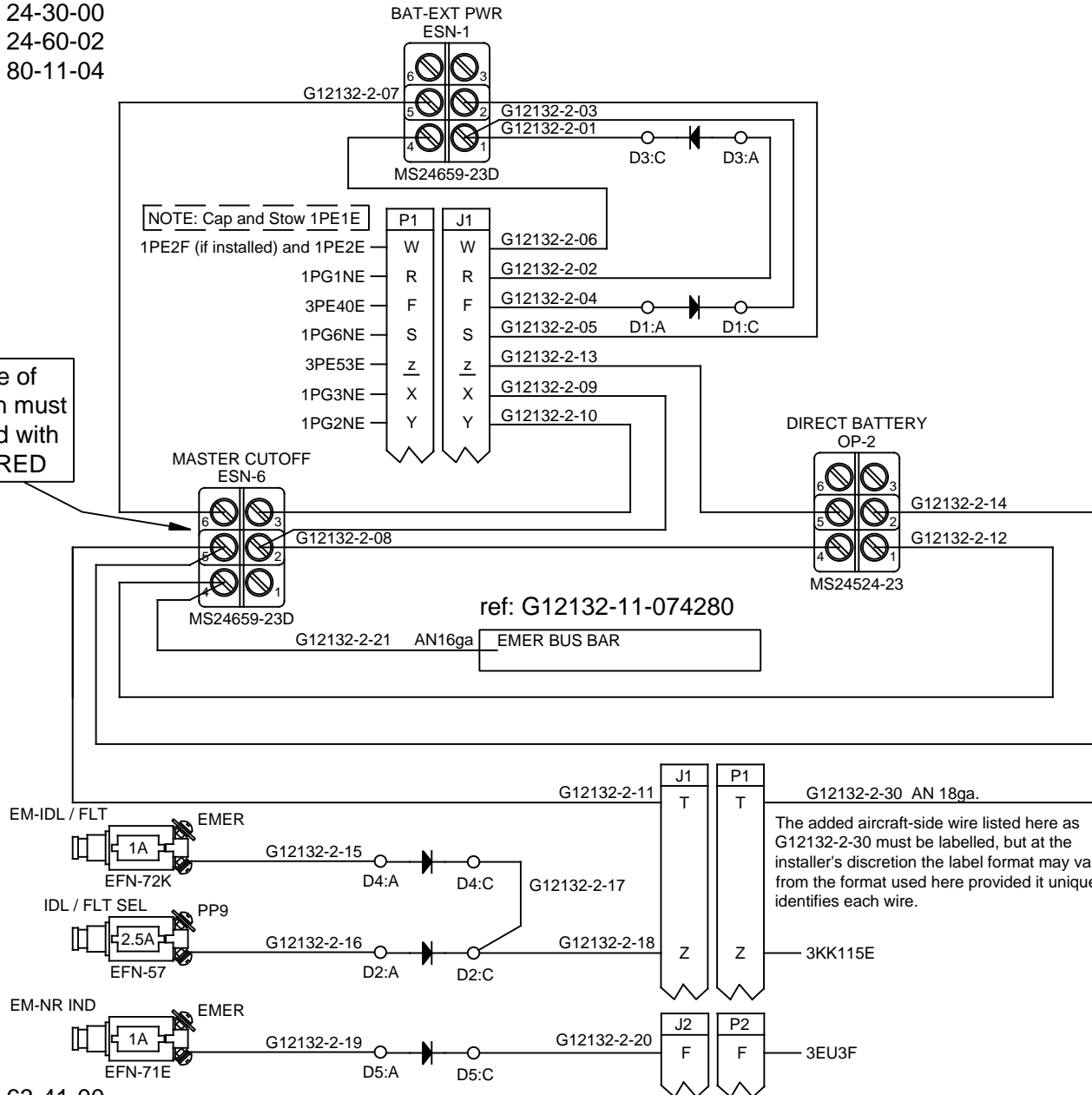
		THIS DRAWING INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.		DRAWN GA APPROVAL CLB PRO NO. GA107	DATE 02/05/13 DATE 02/05/13 SHT. 1	TITLE HOIST SAMPLE CIRCUIT P132 and P122 CONSOLE WIRING	DWG NO. G12132-18-073476	REV. --
REV	DESCRIPTION	DATE	APROV.					
	REVISION							

ref: WDM 24-30-00  
 ref: WDM 24-60-02  
 ref: WDM 80-11-04

**NOTICE:**

The circuitry related to the BAT-EXT PWR switch and the MASTER ELECTRICAL CUTOFF switch has been changed from the Eurocopter original circuitry. Install using this wiring, and use this drawing for future electrical troubleshooting.

The toggle of this switch must be marked with the color RED



ref: WDM 63-41-00

REV	DESCRIPTION	DATE	APROV.
E	Added note for 1PE1E. Changed name of airframe wire from P1:T. Changed PP46 to EMER bus. Added note about 5A EMER bus breaker.	12/05/14	GA
D	Changed Effectivity note. Added WDM ref for EM-IDL/FLT. Minor text changes.	8/14/13	GA
C	Minor text changes.	6/19/13	GA
B	PP49 switching separated from PP50 Changed Direct Battery Indicator Wiring	4/08/13	GA
A	Added Effectivity note.	2/04/13	GA

Effectivity: AS350B3 embodying Mod 350A07-4280

SEE NOTES ON G12132-1



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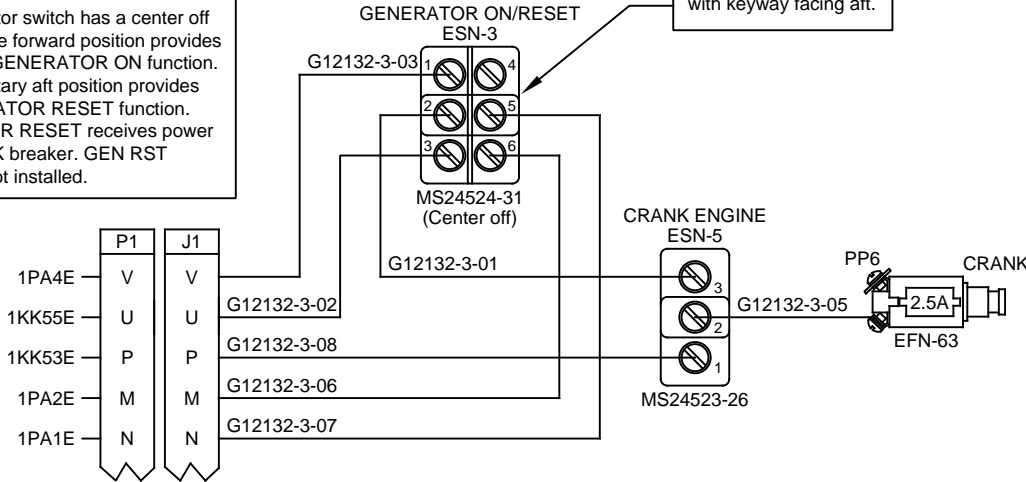
DRAWN	GA	DATE	12/05/12
APPROVAL	CLB	DATE	12/05/12
PRO NO.	GA107	SHT.	1

TITLE	SWITCH DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-2-074280	REV.	E

ref: WDM 24-30-00  
ref: WDM 80-11-04

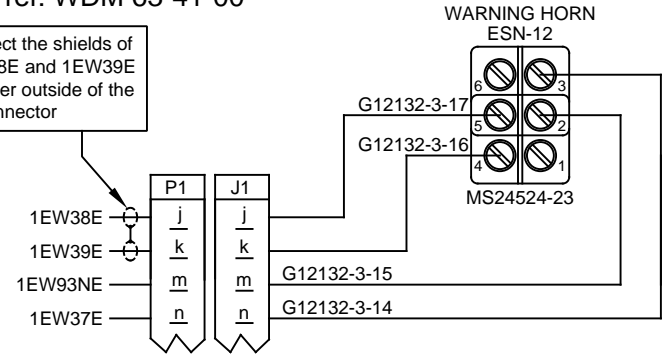
The Generator switch has a center off position. The forward position provides the normal GENERATOR ON function. The momentary aft position provides the GENERATOR RESET function. GENERATOR RESET receives power from CRANK breaker. GEN RST breaker is not installed.

NOTE:  
This switch is installed with keyway facing aft.



ref: WDM 63-41-00

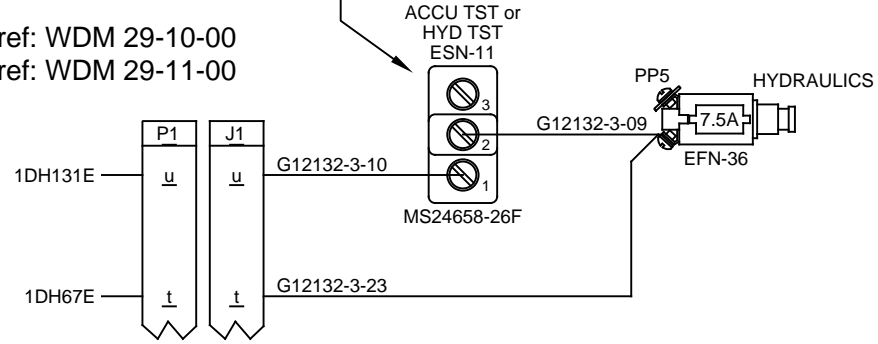
Connect the shields of 1EW38E and 1EW39E together outside of the P1 connector



NOTE: ESN-7 maintains connections between terminals 2 and 3, and between terminals 4 and 5, when the switch toggle is in the center position.

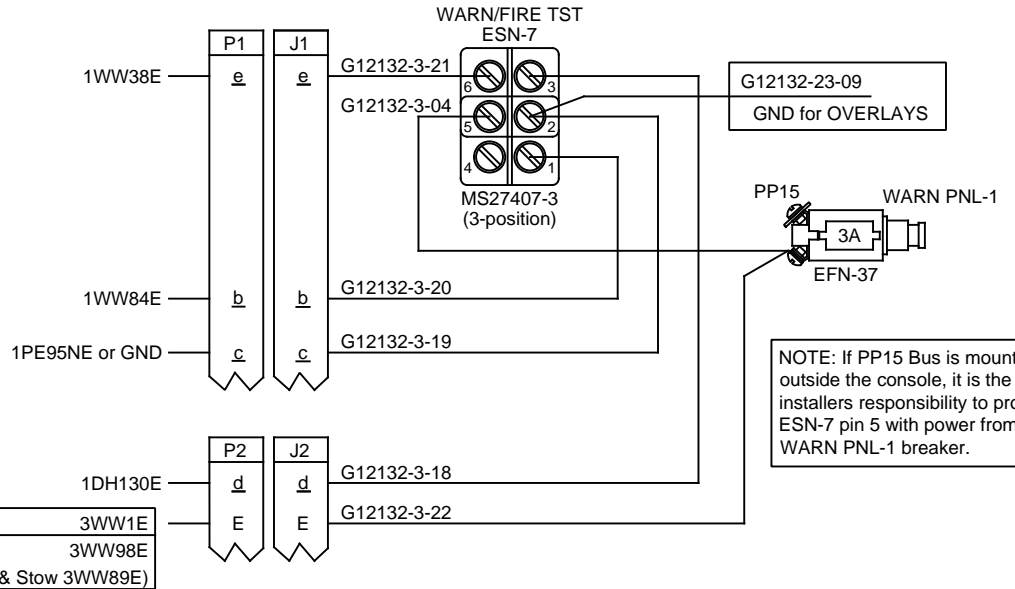
ref: WDM 29-10-00  
ref: WDM 29-11-00

The toggle of this switch must be marked with the color YELLOW.



ref: WDM 24-30-00  
ref: WDM 26-11-10  
ref: WDM 33-10-00

This 3-position switch performs the FIRE TEST function in the aft position



REV	DESCRIPTION	DATE	APROV.
G	Added ACCU TST Option. Changed TEST to TST.	10/20/17	GA
F	Wire connection option for WARN PNL-1 Changed ESN-11 switch type.	9/27/16	GA
E	Changed Note for GEN RESET Circuit. Changed Hydraulic wiring.	12/05/14	GA
D	Changed Effectivity note. Changed WARN/FIRE TEST external connection.	8/14/13	GA
C	Changed WARN/FIRE TEST wiring.	6/19/13	GA
B	Changed WARN/FIRE TEST wiring.	4/08/13	GA
A	Changed circuitry to support SB AS350-01.00.66. Changed ESN-7 switch type. Added Effectivity note.	2/04/13	GA

Pre-MOD 074677	3WW1E
Post-MOD 074677	3WW98E (Cap & Stow 3WW89E)

Effectivity: AS350B3 embodying Mod 350A07-4280

SEE NOTES ON G12132-1

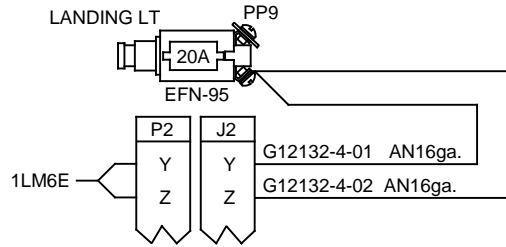


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DRAWN	GA	DATE	12/05/12
APPROVAL	CLB	DATE	12/05/12
PRO NO.	GA107	SHT.	1

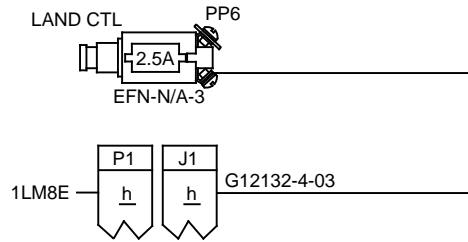
TITLE	SWITCH DETAILS P132 and P122 CONSOLE WIRING
DWG NO.	G12132-3-074280
REV.	G

ref: WDM 33-43-01

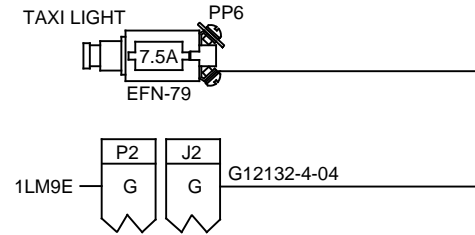


Splice two AN16ga. wires from P2 pins Y and Z to 1LM6E. Wires should be kept as short as possible.

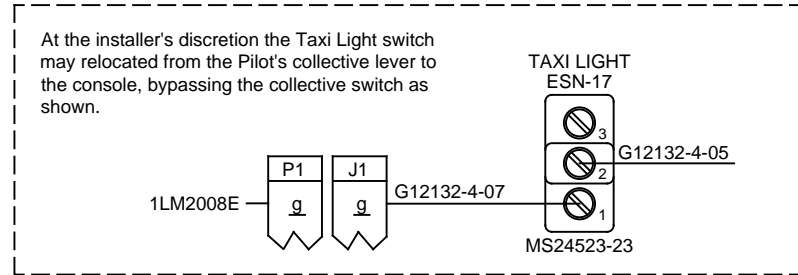
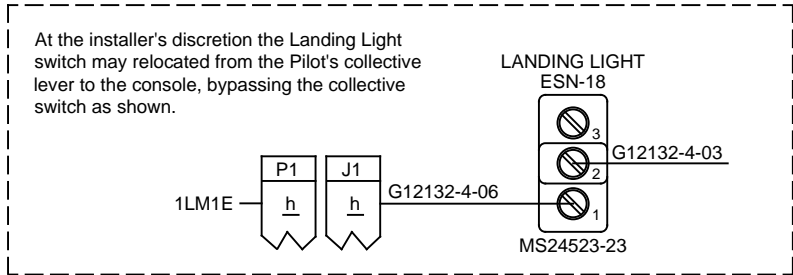
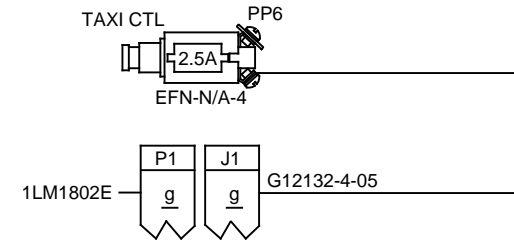
ref: WDM 33-43-01



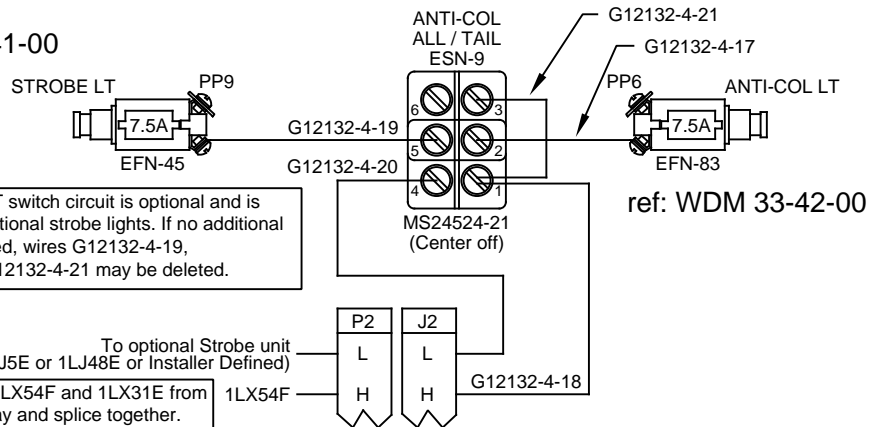
ref: WDM 33-43-02



ref: WDM 33-43-02



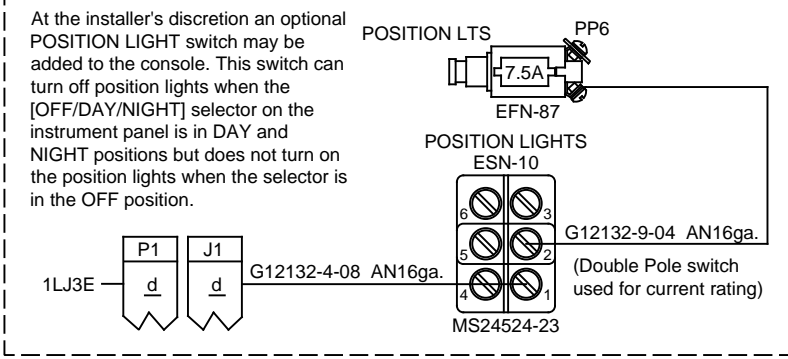
ref: WDM 33-41-00



The STROBE LIGHT switch circuit is optional and is usually used for additional strobe lights. If no additional strobe light is installed, wires G12132-4-19, G12132-4-20 and G12132-4-21 may be deleted.

To optional Strobe unit (1LJ5E or 1LJ48E or Installer Defined)  
Disconnect 1LX54F and 1LX31E from the 245L relay and splice together.

ref: WDM 33-41-00



Effectivity: AS350B3 embodying Mod 350A07-4280

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APPROV.
D	Changed Anti-Col external wire number.	10/20/17	GA
C	Changed Effectivity note. Fixed POSITION LTS and ANTI-COL circuit wording and references.	8/14/13	GA
B	Added optional Position Light switch	4/08/13	GA
A	Added Effectivity note.	2/04/13	GA



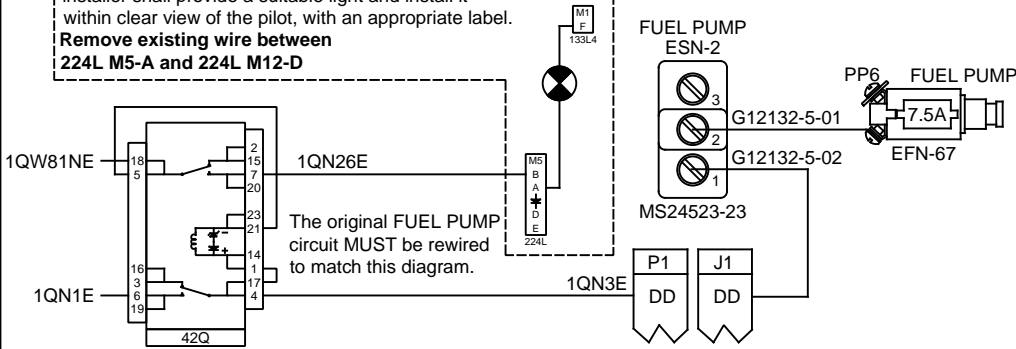
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DRAWN	DATE	TITLE
GA	12/05/12	LIGHTING CIRCUITS
APPROVAL	DATE	P132 and P122 CONSOLE WIRING
CLB	12/05/12	
PRO NO.	SHT.	DWG NO.
GA107	1	G12132-4-074280
REV.	D	

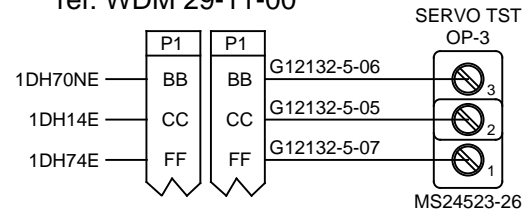
NOTE: If a FUEL PUMP indicator light is desired, the installer shall provide a suitable light and install it within clear view of the pilot, with an appropriate label.

Remove existing wire between 224L M5-A and 224L M12-D

ref: WDM 28-00-00

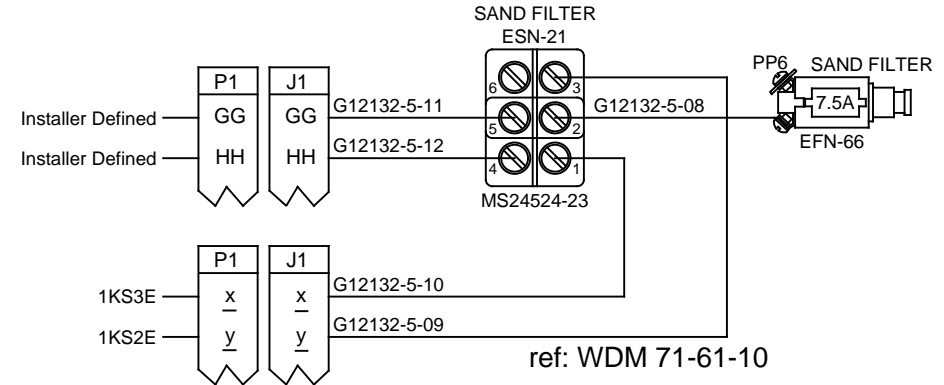
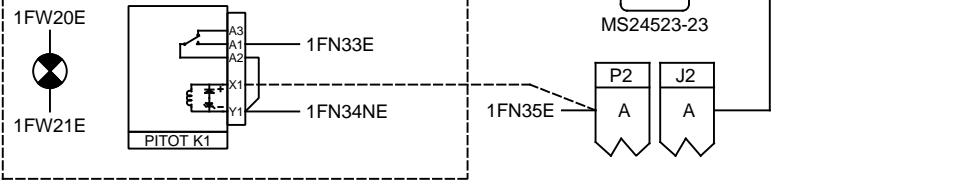


ref: WDM 29-11-00



ref: WDM 30-31-00

NOTE: If a PITOT indicator light is desired, the installer shall provide a suitable light and install it within clear view of the pilot, with an appropriate label. Recommended maximum current 12mA. The Installer must install a relay of a suitable rating to drive the lamp, wired as shown.

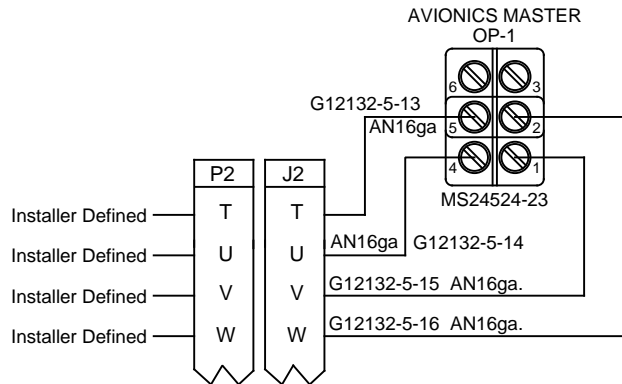


SEE G12132-16-074280 FOR SAMPLE OPTIONAL CIRCUITS

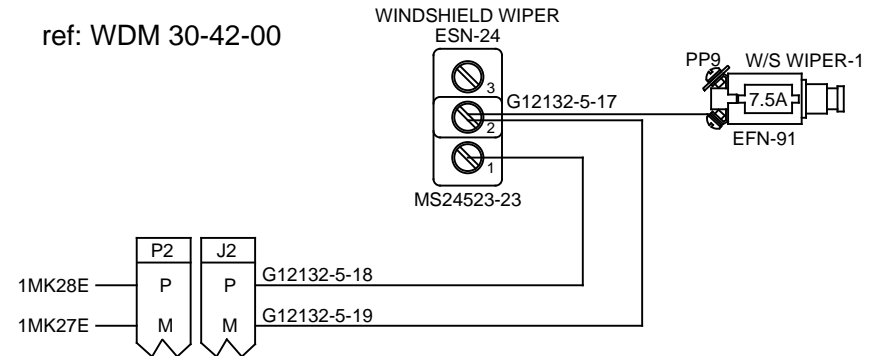
SWITCH CURRENT RATINGS:

MS24523-23: Resistive: 20A, Inductive: 15A, Lamp: 5A

MS24524-23: Resistive: 20A, Inductive: 15A, Lamp: 7A



ref: WDM 30-42-00



REV	DESCRIPTION	DATE	APROV.
E	Changed SERVO TEST to SERVO TST.	10/20/17	GA
D	Changed Effectivity note.	8/14/13	GA
C	Minor text changes.	6/19/13	GA
B	Changed Indicator light wiring	4/08/13	GA
A	Changed circuitry to support SB AS350-01.00.66. Added Effectivity note.	2/04/13	GA
REV	DESCRIPTION	DATE	APROV.
REVISION			

Effectivity: AS350B3 embodying Mod 350A07-4280

SEE NOTES ON G12132-1

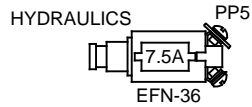


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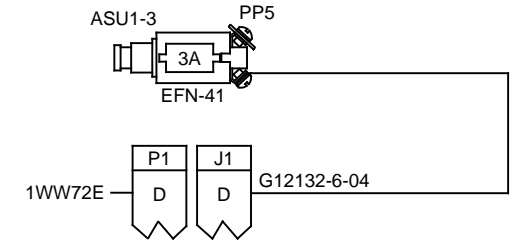
DRAWN	GA	DATE	12/05/12
APPROVAL	CLB	DATE	12/05/12
PRO NO.	GA107	SHT.	1

TITLE	SWITCH DETAILS
	P132 and P122 CONSOLE WIRING
DWG NO.	G12132-5-074280
REV.	E

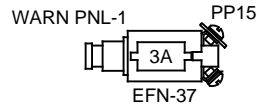
Detailed on G12132-3-074280



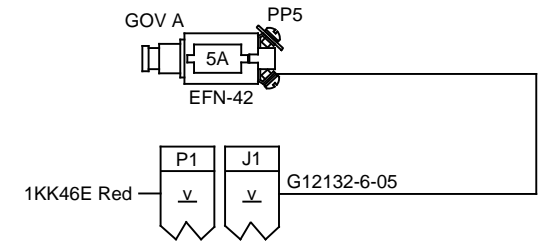
ref: WDM 31-41-00



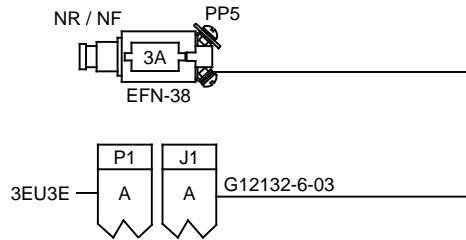
Detailed on G12132-3-074280



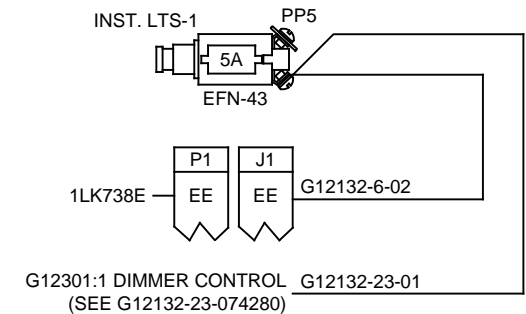
ref: WDM 80-11-04



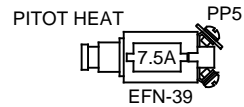
ref: WDM 63-41-00



ref: WDM 33-10-00



Detailed on G12132-5-074280



Effectivity: AS350B3 embodying Mod 350A07-4280

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APPROV.
C	Changed EFN-43 rating.	4/22/15	GA
B	Changed Effectivity note.	8/14/13	GA
A	Added Effectivity note.	2/04/13	GA
REVISION			

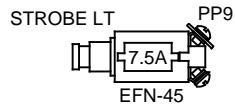


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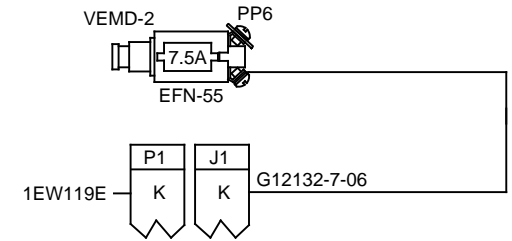
DRAWN	GA	DATE	12/05/12
APPROVAL	CLB	DATE	12/05/12
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING
DWG NO.	G12132-6-074280
REV.	C

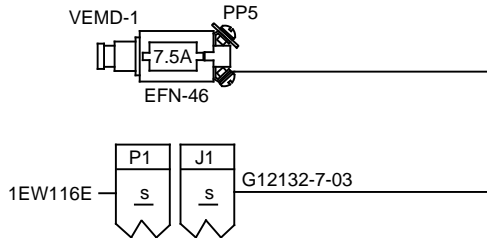
Detailed on G12132-4-074280



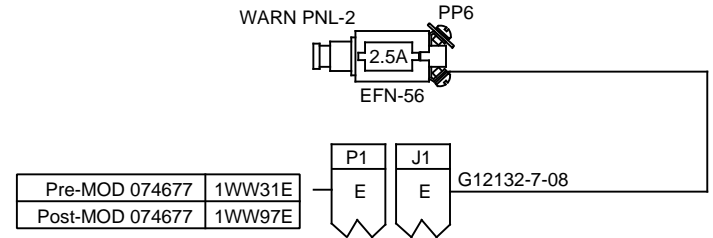
ref: WDM 31-61-00



ref: WDM 31-61-00

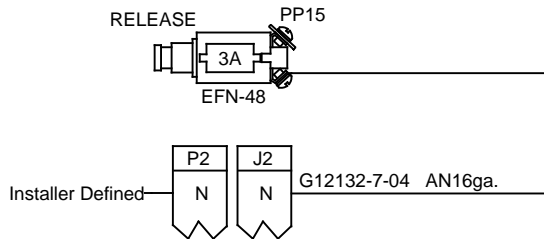


ref: WDM 24-30-00

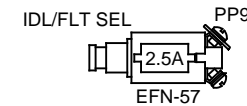


ref: WDM 25-00-00  
ref: WDM 25-63-10

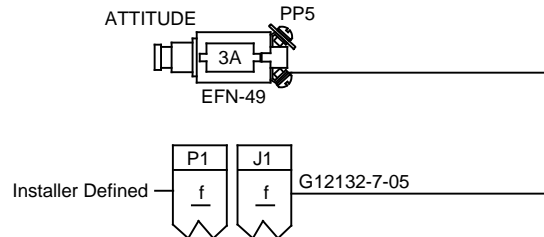
At the installer's discretion, the entire PP15 bus, including the WARN PNL-1 and RELEASE breaker functions may be moved to an installer defined location outside the console.



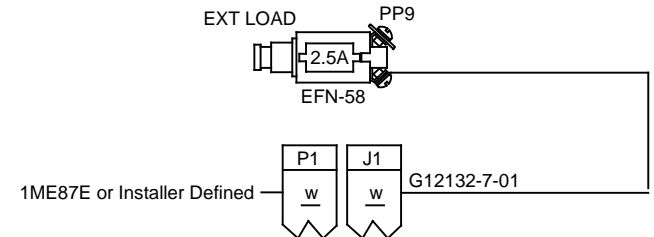
Detailed on G12132-2-074280



ref: WDM 34-25-30



ref: WDM 25-91-00



REV	DESCRIPTION	DATE	APROV.
C	Wire connection option for WARN PNL-2	9/27/16	GA
B	Changed Effectivity note. Changed EXT LOAD WDM Reference. Minor text changes.	8/14/13	GA
A	Added Effectivity note.	2/04/13	GA
REVISION			

Effectivity: AS350B3 embodying Mod 350A07-4280

SEE NOTES ON G12132-1

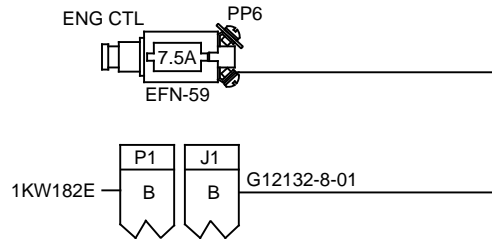


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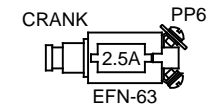
DRAWN	GA	DATE	12/05/12
APPROVAL	CLB	DATE	12/05/12
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING
DWG NO.	G12132-7-074280
REV.	C

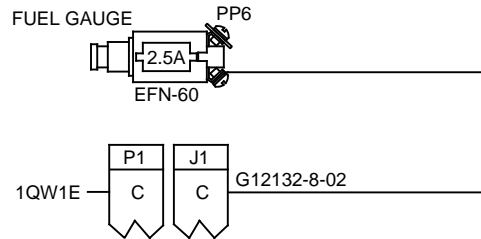
ref: WDM 80-11-04



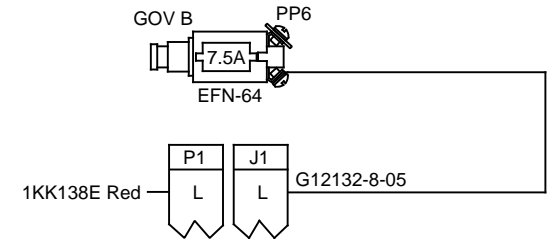
Detailed on G12132-3-074280



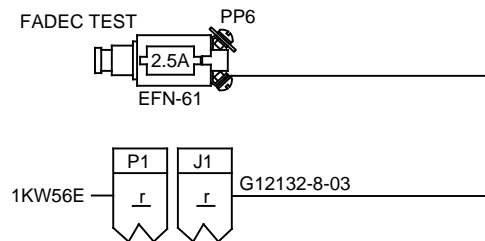
ref: WDM 28-00-00



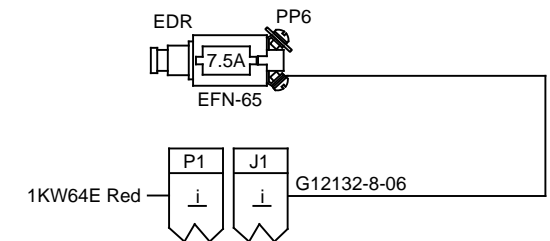
ref: WDM 80-11-04



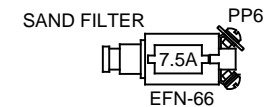
ref: WDM 77-00-04



ref: WDM 77-30-00



Detailed on G12132-5-074280



Effectivity: AS350B3 embodying Mod 350A07-4280

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
B	Changed Effectivity note.	8/14/13	GA
A	Added Effectivity note.	2/04/13	GA
REVISION			

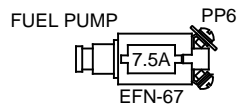


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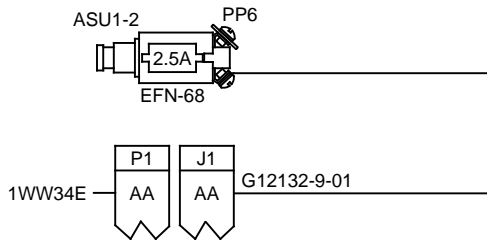
DRAWN	GA	DATE	12/05/12
APPROVAL	CLB	DATE	12/05/12
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-8-074280	REV.	B

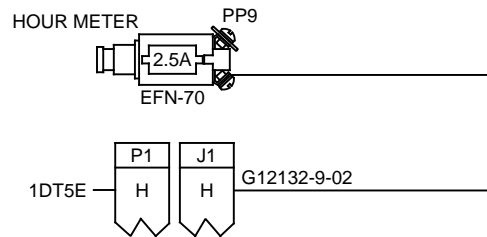
Detailed on G12132-5-074280



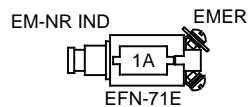
ref: WDM 31-41-00



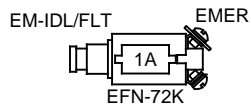
ref: WDM 31-31-00



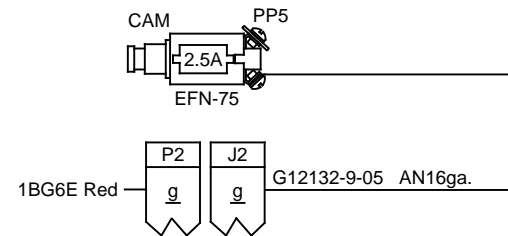
Detailed on G12132-2-074280



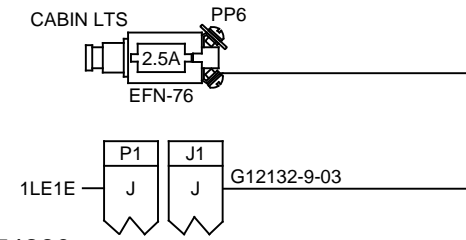
Detailed on G12132-2-074280



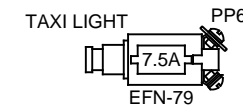
ref: WDM 25-10-40



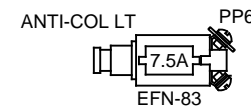
ref: WDM 33-12-00



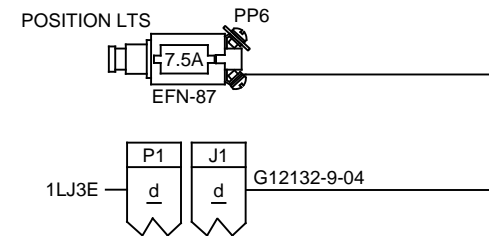
Detailed on G12132-4-074280



Detailed on G12132-4-074280



ref: WDM 33-41-00



Effectivity: AS350B3 embodying Mod 350A07-4280

SEE NOTES ON G12132-1

C	Changed PP46 to EMER.	12/05/14	GA
B	Changed Effectivity note. Added CAM breaker.	8/14/13	GA
A	Added Effectivity note.	2/04/13	GA
REV	DESCRIPTION	DATE	APROV.
REVISION			

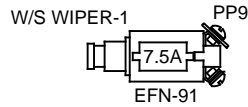


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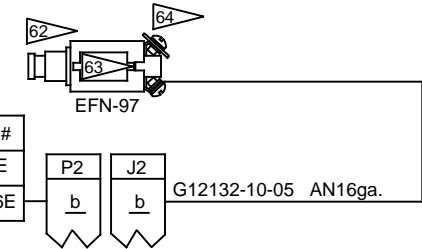
DRAWN	GA	DATE	12/05/12	TITLE	CIRCUIT BREAKER DETAILS		
APPROVAL	CLB	DATE	12/05/12	P132 and P122 CONSOLE WIRING			
PRO NO.	GA107	SHT.	1	DWG NO.	G12132-9-074280	REV.	C

Detailed on G12132-5-074280

ref: WDM 24-22-00  
ref: WDM 28-00-00

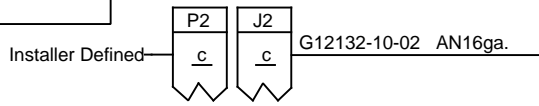
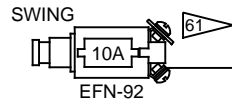


MOD	62 LABEL	63 RATING	64 BUS	WIRE #
Pre-MOD 074629	AC INVERTER	10A	PP9	1XU1E
Post-MOD 074629	FUEL LOW	3A	PP5	1QW86E

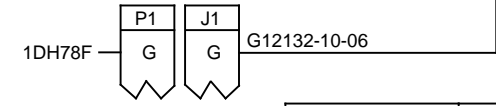
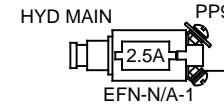


ref: WDM 25-91-00

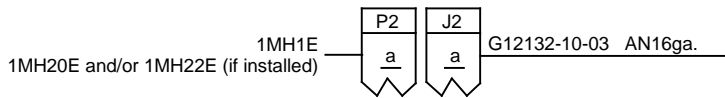
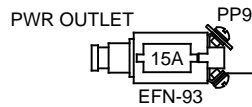
61 Source directly from wire 1MY41E, or through an available power terminal post. See G12132-11-074280.



ref: WDM 29-11-00

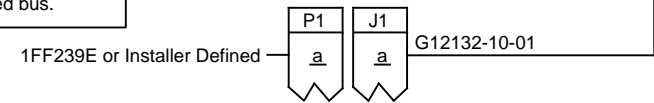
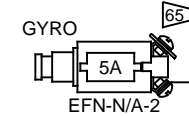


ref: WDM 24-60-01  
ref: WDM 25-26-06



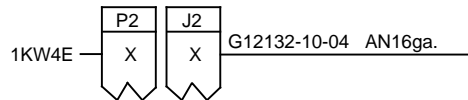
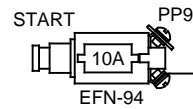
ref: WDM 34-21-00

Wire directly to the Directional gyro, or through an On/Off switch; or, this function may be moved to a breaker that is supplied from a switched bus.

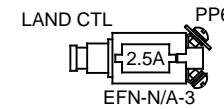


MOD	65 BUS
Pre-MOD 074629	PP5
Post-MOD 074629	PP9

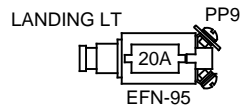
ref: WDM 80-11-04



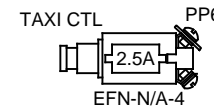
Detailed on G12132-4-074280



Detailed on G12132-4-074280



Detailed on G12132-4-074280



REV	DESCRIPTION	DATE	APPROV.
E	Changed EFN-97 and EFN-N/A-2 bus assignments based on MOD level.	10/20/17	GA
D	Changed EFN-97 based on MOD level.	9/27/16	GA
C	Changed Effectivity note. Renamed CARGO HOOK to SWING to match EC documentation. Changed GYRO to match EC documentation.	8/14/13	GA
B	Minor text changes.	6/19/13	GA
A	Added Effectivity note.	2/04/13	GA
REV	DESCRIPTION	DATE	APPROV.
REVISION			

Effectivity: AS350B3 embodying Mod 350A07-4280

SEE NOTES ON G12132-1

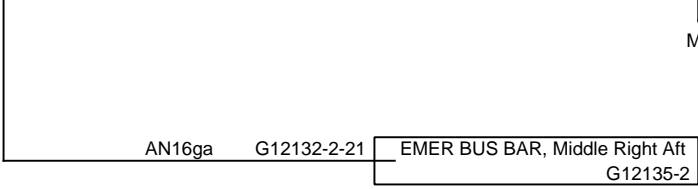


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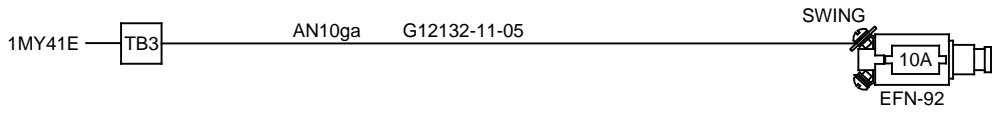
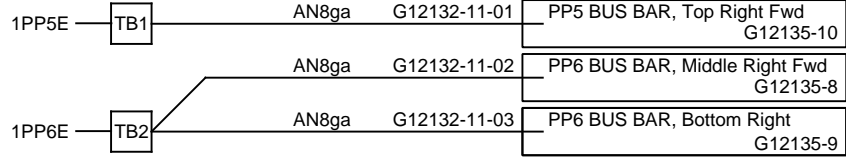
DRAWN	GA	DATE	12/05/12
APPROVAL	CLB	DATE	12/05/12
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING
DWG NO.	G12132-10-074280
REV.	E

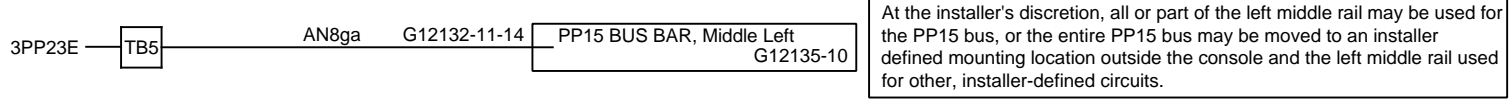
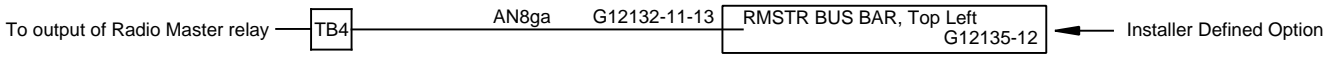
ref: WDM 24-30-00  
 ref: WDM 24-60-02  
 ref: WDM 25-92-00



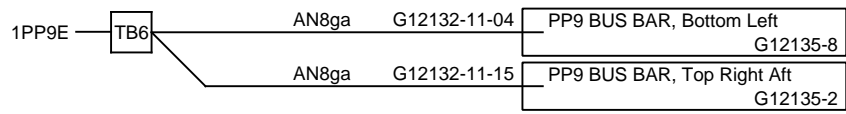
The PP46 bus has been rewired to contain the EM-IDL/FLT (EFN-72K) and EM-NR IND (EFN-71E) breakers ONLY. This new bus is designated EMER. Any other breakers previously assigned to the PP46 bus must be relocated to the PP50 bus or to an installer-defined bus.



Detailed on G12132-10-074280



At the installer's discretion, all or part of the left middle rail may be used for the PP15 bus, or the entire PP15 bus may be moved to an installer defined mounting location outside the console and the left middle rail used for other, installer-defined circuits.



### Primary Power to Circuit Breakers

Effectivity: AS350B3 embodying Mod 350A07-4280

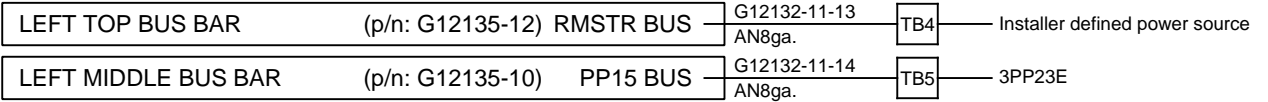
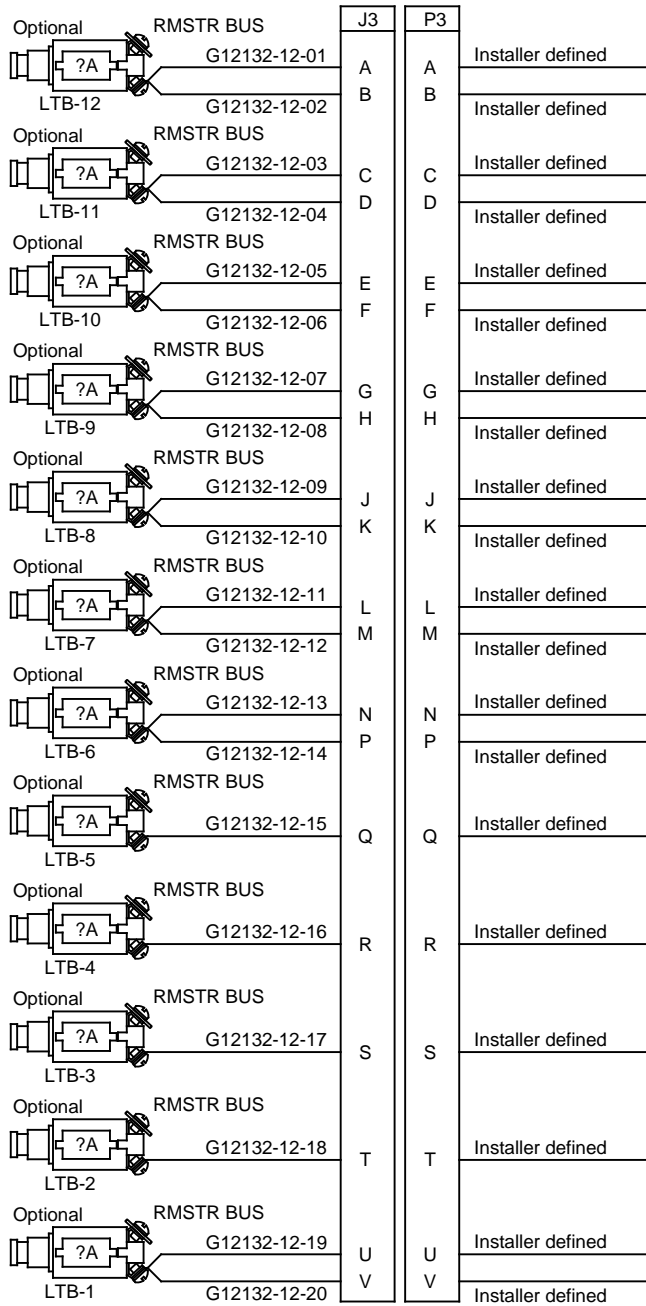
SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
E	Changed PP46 to EMER bus.	12/05/14	GA
D	Changed Effectivity note. Renamed CARGO HOOK to SWING to match EC documentation.	8/14/13	GA
C	Removed second PP46 Bus Bar.	6/19/13	GA
B	Changed PP46 power source.	4/08/13	GA
A	Added Effectivity note.	2/04/13	GA
REVISION			



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PRO NO.	SHT.	DATE	TITLE	DWG NO.	REV.
GA107	1	12/05/12	BUS BAR DETAILS P132 and P122 CONSOLE WIRING	G12132-11-074280	E



NOTE:  
ALL WIRES ON THIS DRAWING ARE 16 ga. UNLESS SHOWN OTHERWISE.  
RING TERMINALS FOR CIRCUIT BREAKERS ARE RED #6 (p/n 36152), EXCEPT FOR DUAL WIRES WHICH HAVE BOTH WIRES CRIMPED INTO ONE BLUE #6 RING TERMINAL (p/n 36158 OR 326882).

NOTE:  
THE CIRCUIT BREAKER CURRENT RATINGS AND NAMES SHOWN ARE JUST AN EXAMPLE. ALL WIRES ARE SUITABLE FOR 15A BREAKERS, OR LESS.

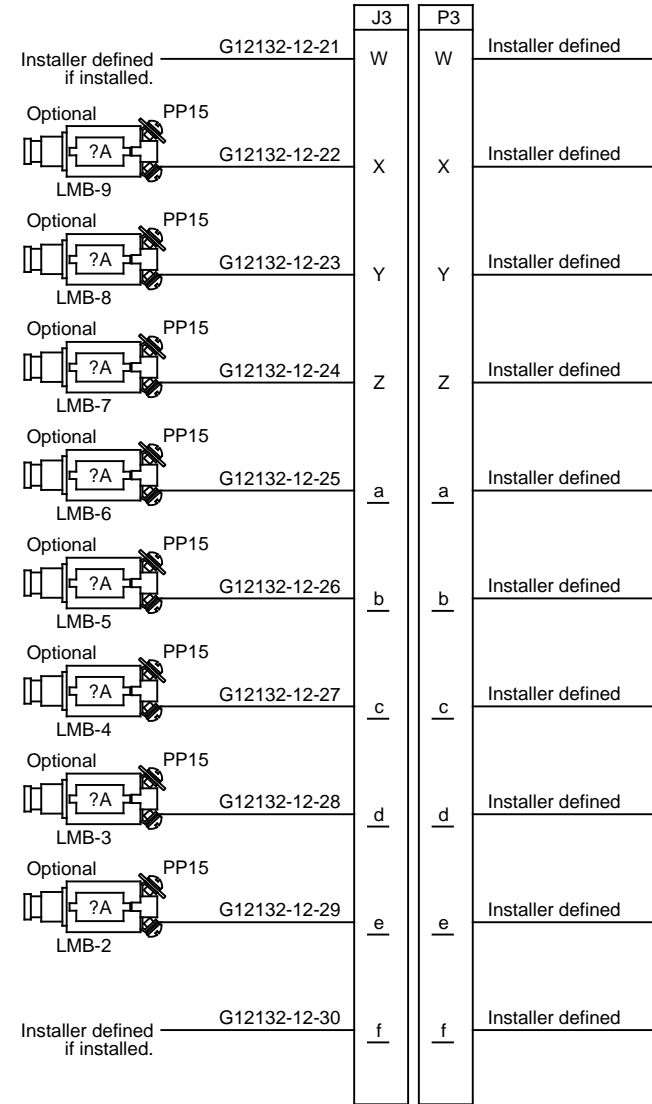
NOTE:  
The word: SPARE marked on this diagram is used to represent a breaker or wire that is installed but not assigned.

The word: BLANK means that the wires are installed but not the circuit breaker.

The word: VOID means that the breaker is not installed and the wires for that breaker are not installed.

ref: G12132-16-074280  
ref: G12132-11-074280  
ref: WDM 24-60-02

AIRCRAFT FWD



Effectivity: AS350B3 embodying Mod 350A07-4280

SEE NOTES ON G12132-1

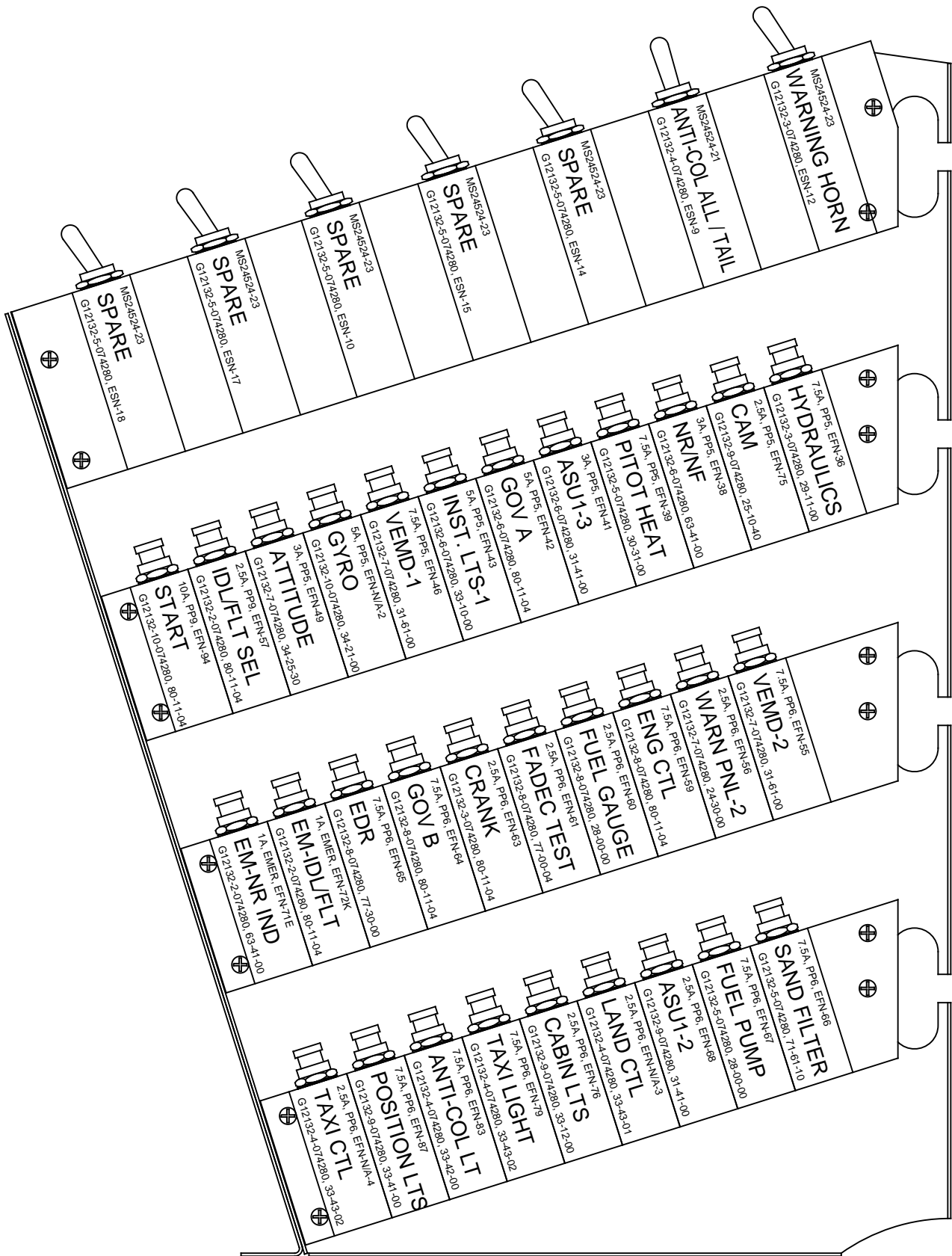
C	Changed Effectivity note.	8/14/13	GA
B	Removed PP46 bus.	6/19/13	GA
A	Added Effectivity note.	2/04/13	GA
REV	DESCRIPTION	DATE	APROV.
REVISION			



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DRAWN	GA	DATE	12/05/12
APPROVAL	CLB	DATE	12/05/12
PRO NO.	GA107	SHT.	1

TITLE	OPTIONAL CIRCUIT BREAKERS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-12-074280	REV.	C



FWD →

Effectivity: AS350B3 embodying  
Mod 350A07-4280

REV	DESCRIPTION	DATE	APPROV.
D	Changed EFN-43 rating.	4/22/15	GA
C	Changed PP46 to EMER.	12/05/14	GA
B	Changed Effectivity note. Added CAM breaker. Updated GYRO to match WDM.	8/14/13	GA
A	Added Effectivity note.	2/04/13	GA
REV	DESCRIPTION	DATE	APPROV.
REVISION			

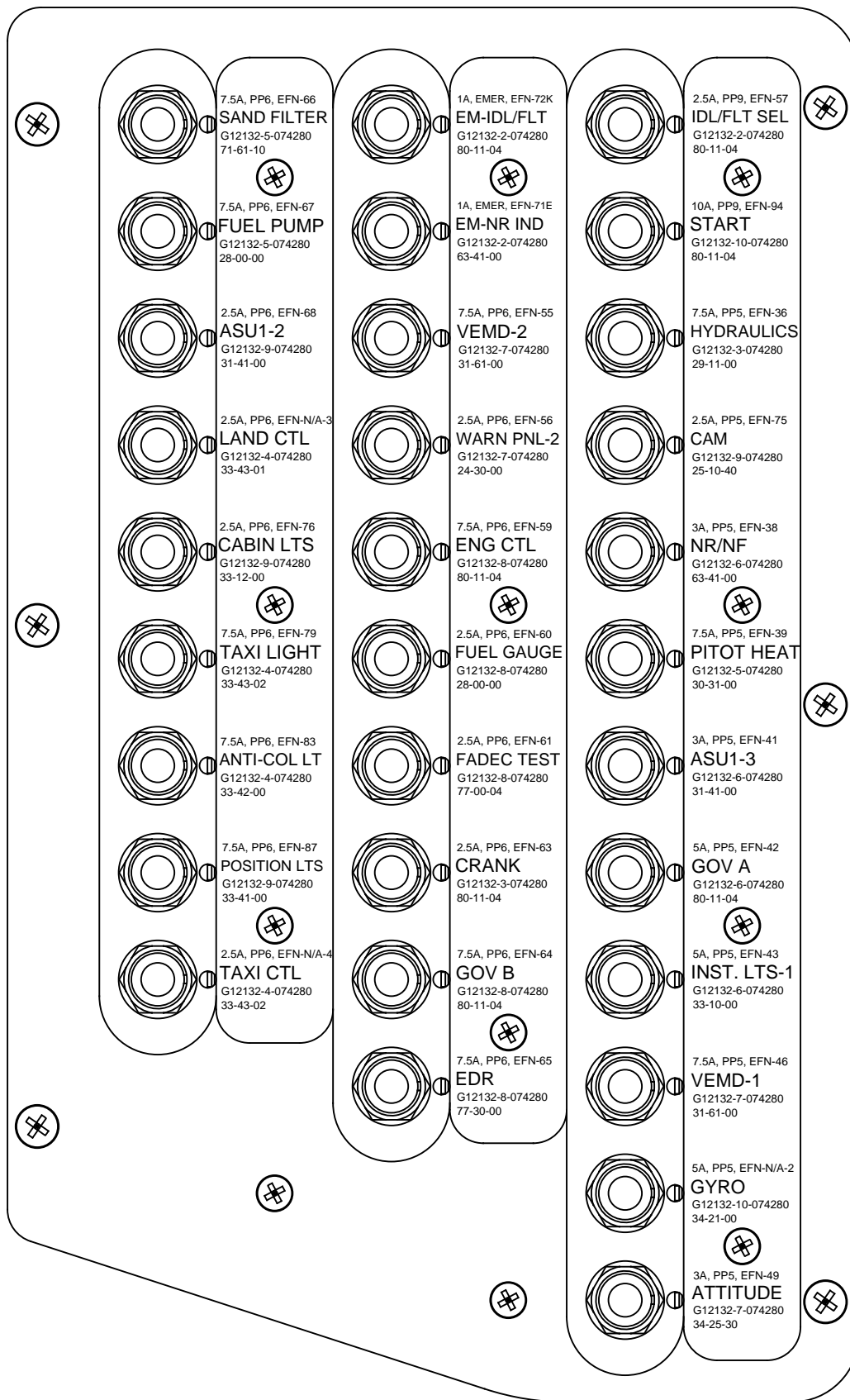
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BY ANYONE WITHOUT THE  
WRITTEN PERMISSION OF  
GENEVA AVIATION, INC.

DESIGNED	GA	DATE	12/05/12
DRAWN	GA	DATE	12/05/12
CHECKED	GA	DATE	12/05/12
APPROVAL	CLB	DATE	12/05/12
PRO NO.	GA107	SHT.	1

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TITLE: **CONSOLE BREAKER LAYOUT**  
**P132 RIGHT SIDE VIEW**

DWG NO. **G12132-13-074280** REV. **D**



**FWD**

Effectivity: AS350B3 embodying  
Mod 350A07-4280



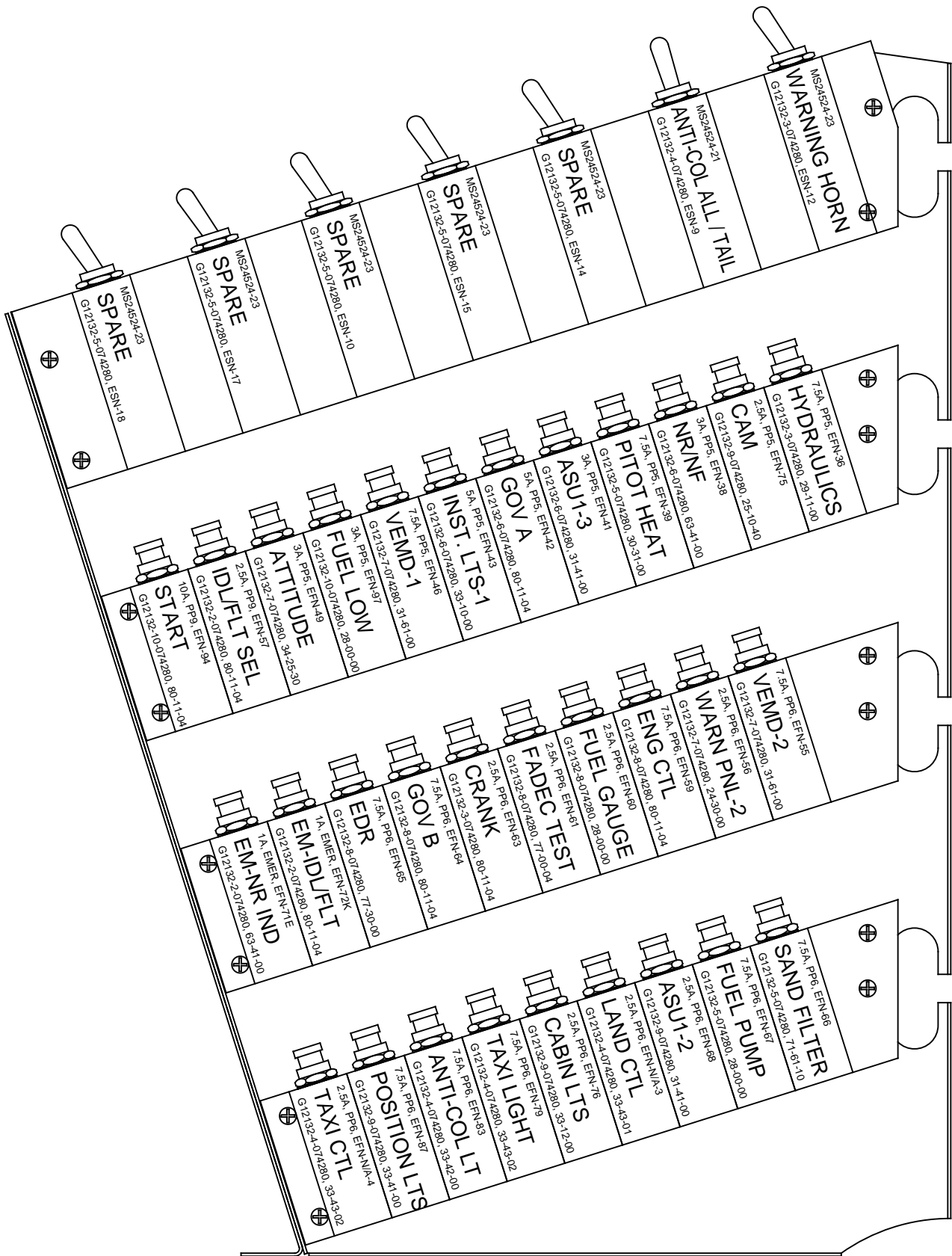
www.genevaaviation.com

REV	DESCRIPTION	DATE	APPROV.
C	Changed EFN-43 rating.	4/22/15	GA
B	Changed PP46 to EMER.	12/05/14	GA
A	Added CAM breaker.	8/14/13	GA
REV	DESCRIPTION	DATE	APPROV.
REVISION			

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APPROVAL	CLB	DATE	02/04/13
PRO NO.	GA107	SHT.	1

TITLE	CONSOLE BREAKER LAYOUT		
	P122 RIGHT SIDE VIEW for AS350B3		
DWG NO.	G12132-13-074280-P122	REV.	C



FWD →

Effectivity: AS350B3 embodying  
Mod 350A07-4629



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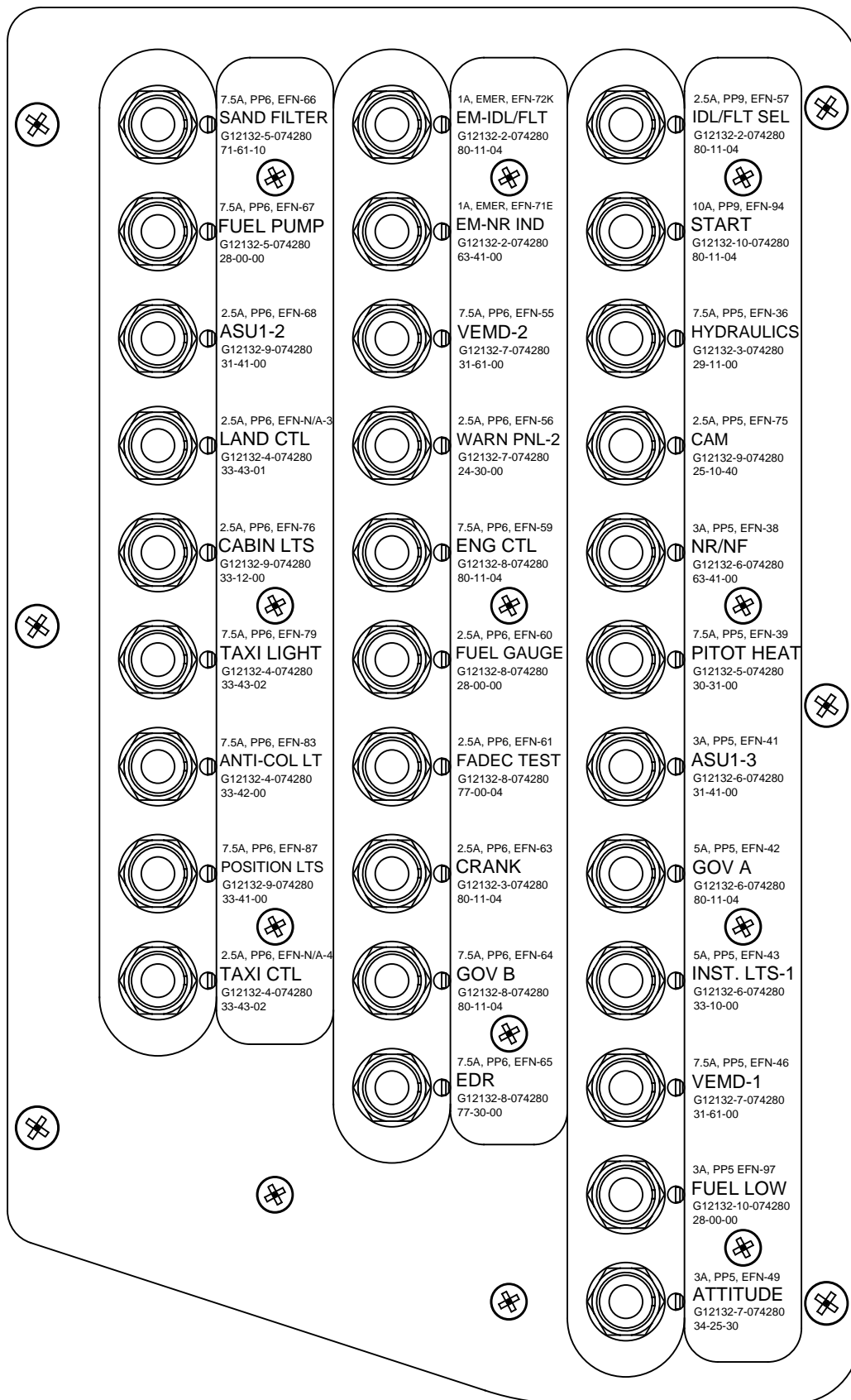
TITLE  
CONSOLE BREAKER LAYOUT  
P132 RIGHT SIDE VIEW

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CHECKED	GA	DATE	10/20/17
APPROVAL	GA	DATE	10/20/17
PRO NO.	GA107	SHT.	1

DWG NO.	G12132-13-074629	REV.	--
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REV	DESCRIPTION	DATE	APPROV.
	REVISION		



**FWD**

Effectivity: AS350B3 embodying  
Mod 350A07-4629

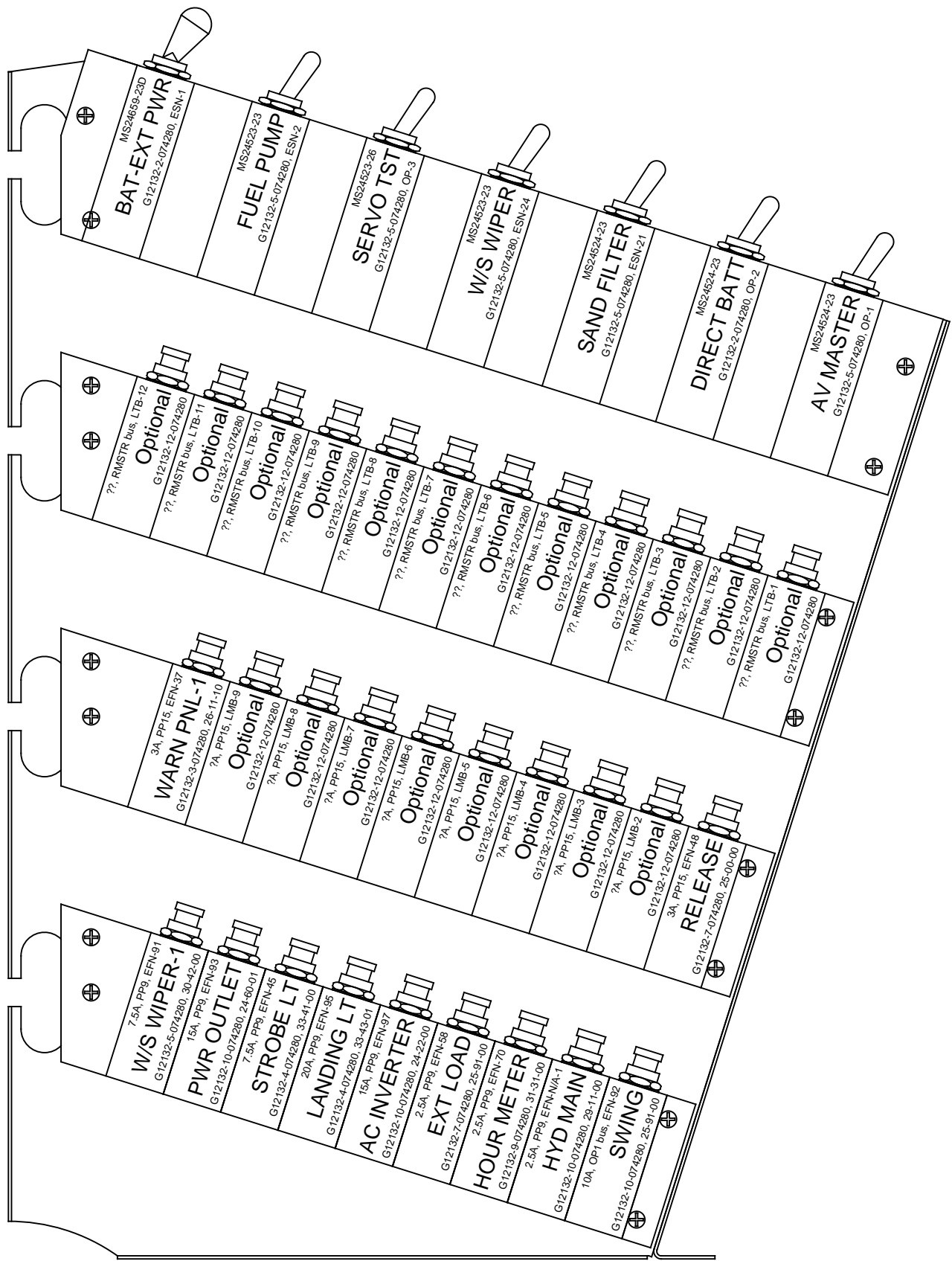
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	CHECKED	GA	DATE	10/20/17
	APPROVAL	GA	DATE	10/20/17
	PRO NO.	GA107	SHT.	1

TITLE	CONSOLE BREAKER LAYOUT P122 RIGHT SIDE VIEW for AS350B3	
DWG NO.	G12132-13-074629-P122	REV. --

REV	DESCRIPTION	DATE	APPROV.
	REVISION		



← FWD

Effectivity: AS350B3 embodying  
Mod 350A07-4280

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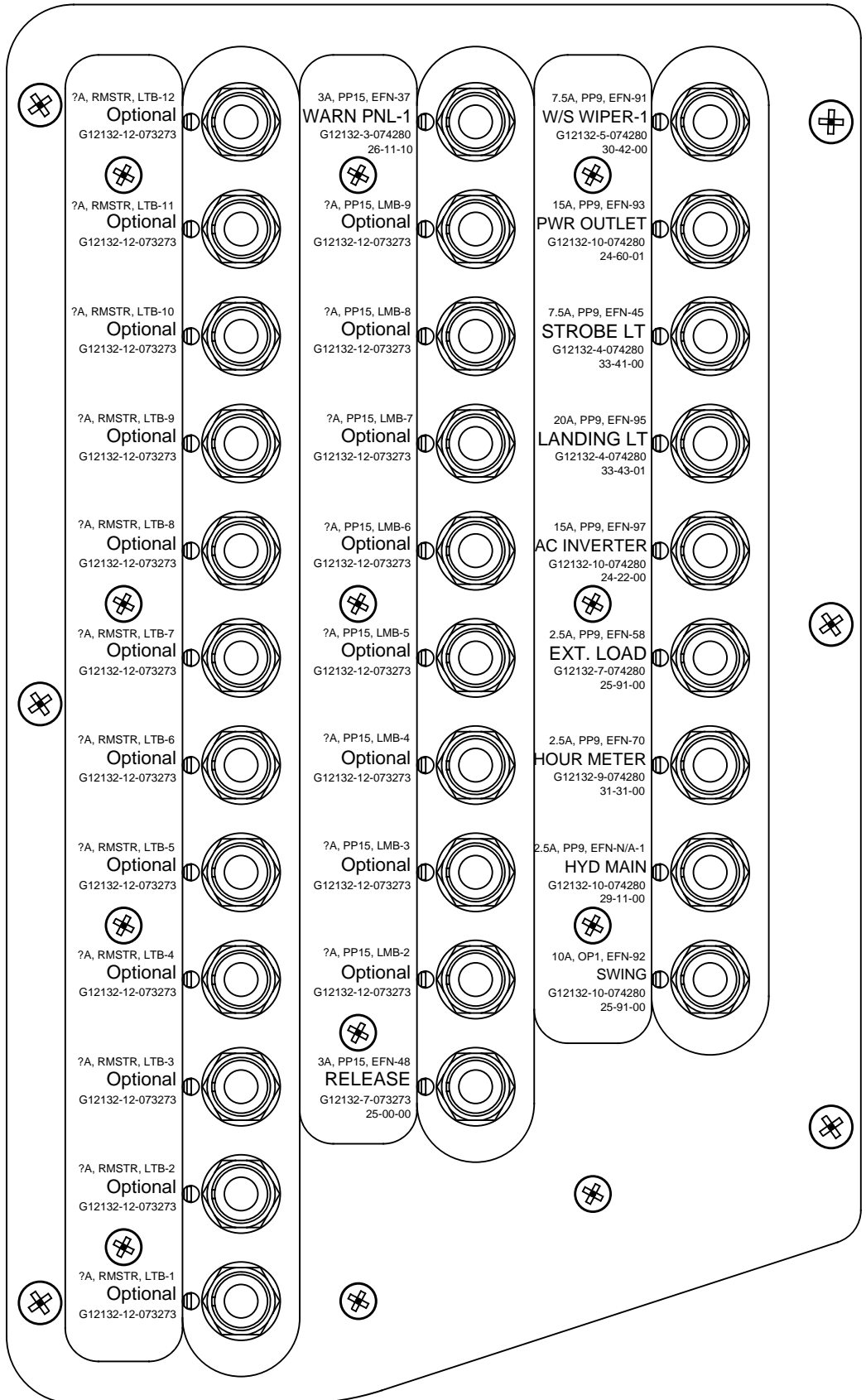
www.genevaaviation.com

REV	DESCRIPTION	DATE	APPROV.
D	Changed SERVO TEST to SERVO TST.	10/20/17	GA
C	Changed Effectivity note. Renamed CARGO HOOK to SWING to match EC documentation.	8/14/13	GA
B	Removed PP46 bus. Changed OP-2 switch type.	6/19/13	GA
A	Added Effectivity note.	2/04/13	GA
REV	DESCRIPTION	DATE	APPROV.
REVISION			

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CHECKED	GA	DATE	12/05/12
APPROVAL	CLB	DATE	12/05/12
PRO NO.	GA107	SHT.	1

TITLE	REV.
CONSOLE BREAKER LAYOUT P132 LEFT SIDE VIEW	D
DWG NO.	G12132-14-074280

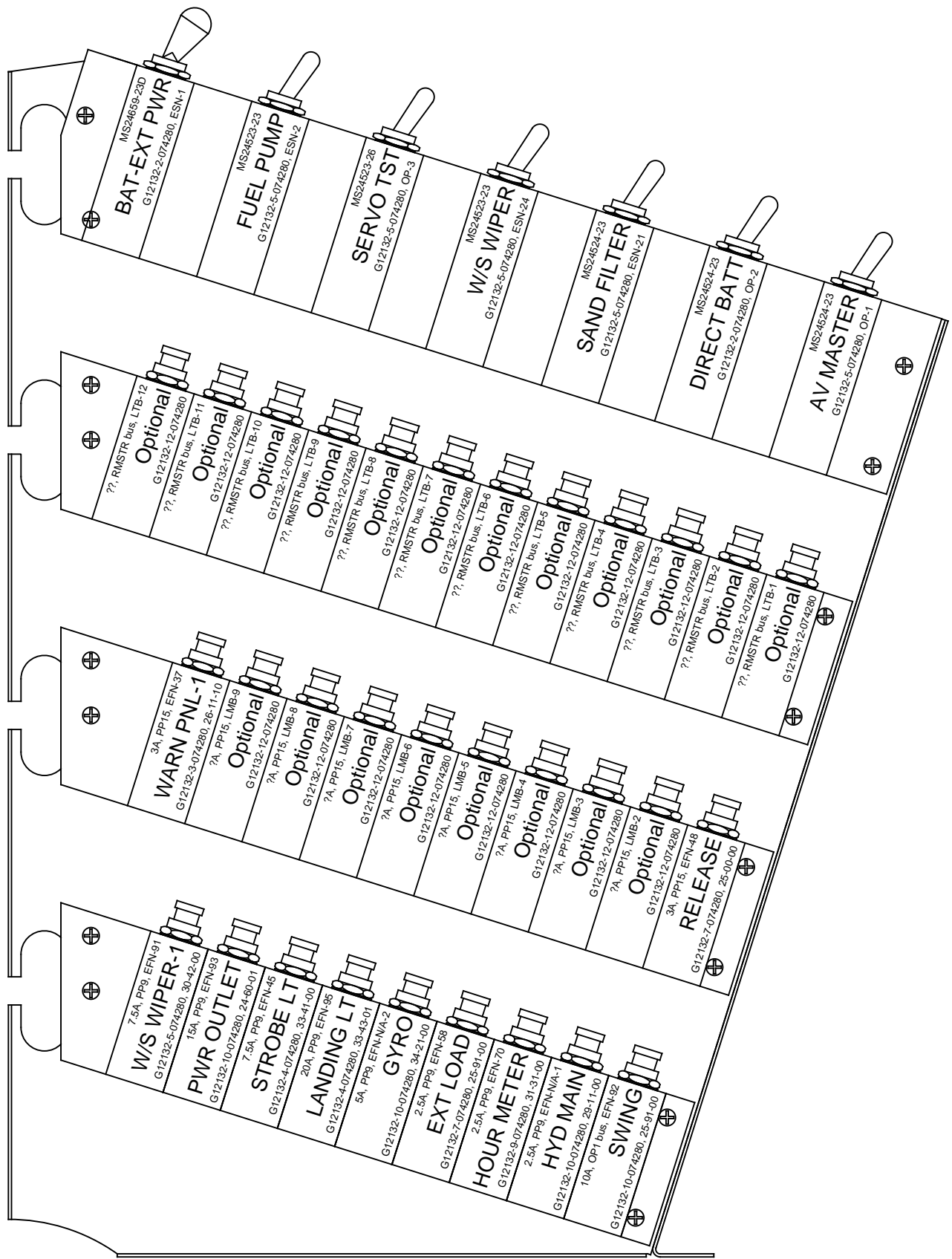


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Effectivity: AS350B3 embodying  
Mod 350A07-4280



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						DRAWN GA DATE 02/04/13		
						CHECKED GA DATE 02/04/13		
						APPROVAL CLB DATE 02/04/13		
						PRO NO. GA107	SHT. 1	DWG NO. G12132-14-074280-P122
A	Removed PP46 bus. Renamed CARGO HOOK to SWING to match EC documentation.	8/14/13	GA	<b>GENEVA AVIATION</b> www.genevaaviation.com TITLE <b>CONSOLE BREAKER LAYOUT</b> <b>P122 LEFT SIDE VIEW for AS350B3</b>				
REV	DESCRIPTION	DATE	APPROV.	TITLE <b>P122 LEFT SIDE VIEW for AS350B3</b> DWG NO. <b>G12132-14-074280-P122</b> REV. <b>A</b>				
REVISION								



← FWD

Effectivity: AS350B3 embodying  
Mod 350A07-4629

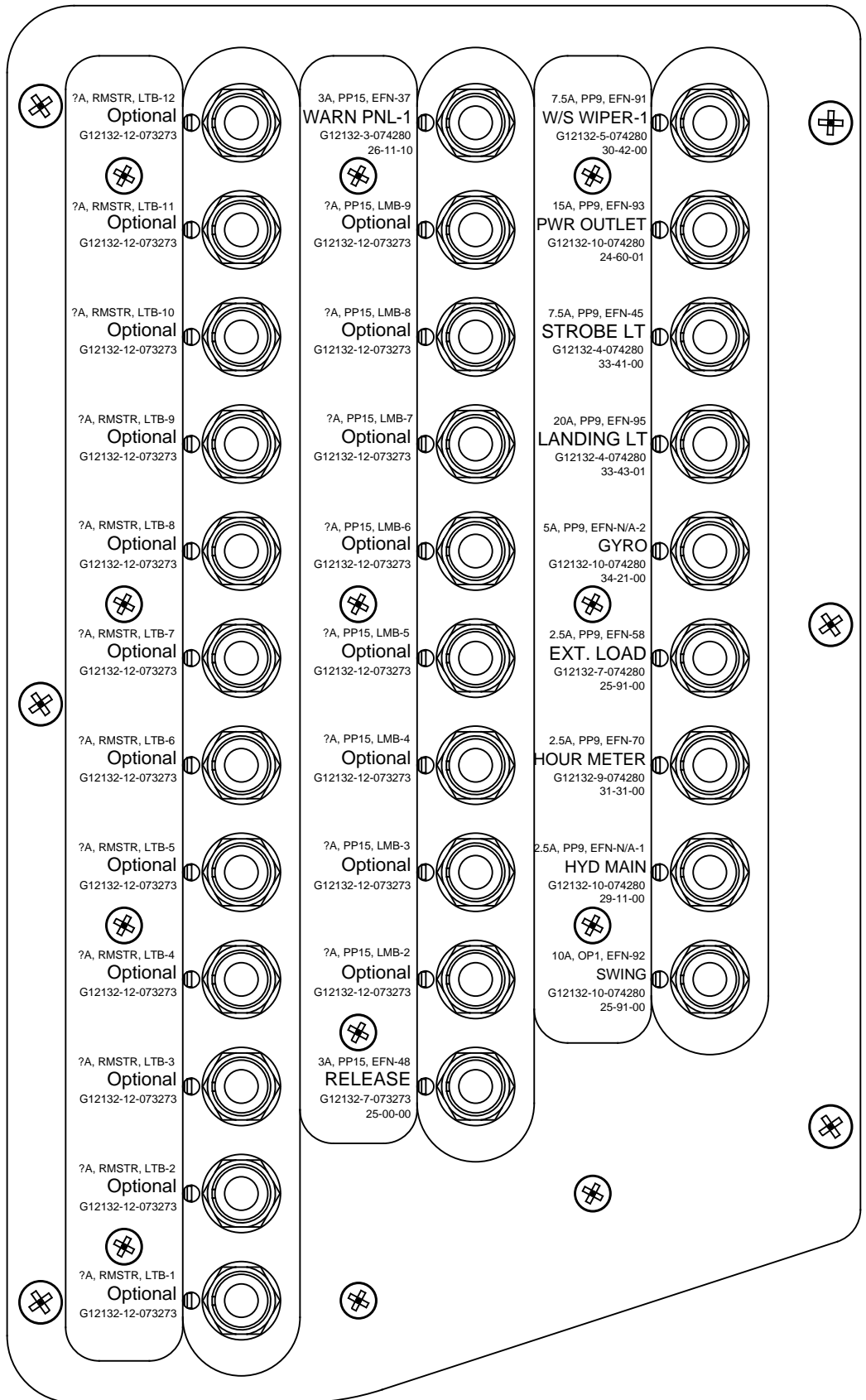


REV	DESCRIPTION	DATE	APPROV.
A	Changed SERVO TEST to SERVO TST. Swapped EFN-97 and EFN-N/A-2	10/20/17	GA
	REVISION		

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DESIGNED	GA	DATE	9/27/16
DRAWN	GA	DATE	9/27/16
CHECKED	GA	DATE	9/27/16
APPROVAL	SJC	DATE	9/27/16
PRO NO.	GA107	SHT.	1

TITLE	CONSOLE BREAKER LAYOUT P132 LEFT SIDE VIEW		
DWG NO.	G12132-14-074629	REV.	A



← FWD

Effectivity: AS350B3 embodying  
Mod 350A07-4629



DESIGNED	GA	DATE	09/27/16
DRAWN	GA	DATE	09/27/16
CHECKED	GA	DATE	09/27/16
APPROVAL	SJC	DATE	09/27/16
PRO NO.	GA107	SHT.	1

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TITLE	CONSOLE BREAKER LAYOUT
P122 LEFT SIDE VIEW for AS350B3	
DWG NO.	G12132-14-074629-P122
REV.	A

A	Swapped EFN-97 and EFN-N/A-2	10/20/17	GA
REV	DESCRIPTION	DATE	APPROV.
REVISION			

Note: ACCU TST switch may be marked HYD TST

MS24524-31  
**GEN ON / RESET**  
 G12132-3-074280, ESN-3

MS24658-26F  
**ACCU TST**  
 G12132-3-074280, ESN-11

MS27407-3  
**WARN/FIRE TST**  
 G12132-3-074280, ESN-7

MS24523-26  
**CRANK ENGINE**  
 G12132-3-074280, ESN-5

MS24659-23D  
**MASTER CUTOFF**  
 G12132-2-074280, ESN-6

MS24523-23  
**PITOT HEAT**  
 G12132-5-074280, ESN-13

MS24659-23D  
**BAT-EXT PWR**  
 G12132-2-074280, ESN-1

MS24523-23  
**FUEL PUMP**  
 G12132-5-074280, ESN-2

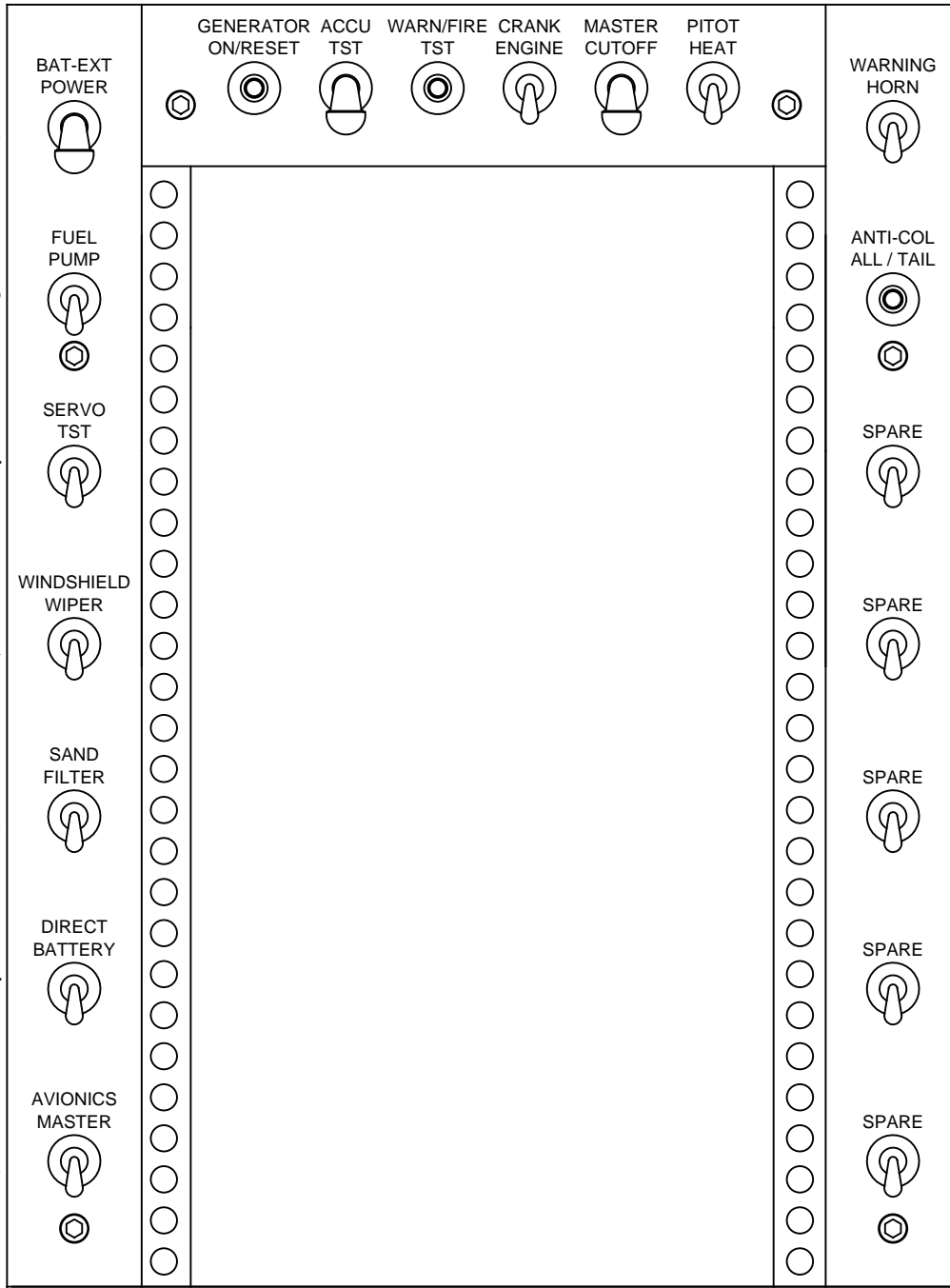
MS24523-26  
**SERVO TST**  
 G12132-5-074280, OP-3

MS24523-23  
**W/S WIPER**  
 G12132-5-074280, ESN-24

MS24524-23  
**SAND FILTER**  
 G12132-5-074280, ESN-21

MS24524-23  
**DIRECT BATT**  
 G12132-2-074280, OP-2

MS24524-23  
**AV MASTER**  
 G12132-5-074280, OP-1



MS24524-23  
**WARNING HORN**  
 G12132-3-074280, ESN-12

MS24524-21  
**ANTI-COL ALL / TAIL**  
 G12132-4-074280, ESN-9

MS24524-23  
**SPARE**  
 G12132-5-074280, ESN-14

MS24524-23  
**SPARE**  
 G12132-5-074280, ESN-15

MS24524-23  
**SPARE**  
 G12132-5-074280, ESN-10

MS24524-23  
**SPARE**  
 G12132-5-074280, ESN-17

MS24524-23  
**SPARE**  
 G12132-5-074280, ESN-18

Effectivity: AS350B3 embodying  
 Mod 350A07-4280

E	Added ACCU TST Option. Changed TEST to TST.	10/20/17	GA
D	Changed EFN-11 switch type.	9/27/16	GA
C	Changed Effectivity note. Changed WARN/FIRE TEST switch decal.	8/14/13	GA
B	Changed OP-2 switch type.	6/19/13	GA
A	Changed HYD TEST switch type. Changed ESN-7 switch type. Added Effectivity note.	2/04/13	GA
REV	DESCRIPTION	DATE	APPROV.
	REVISION		

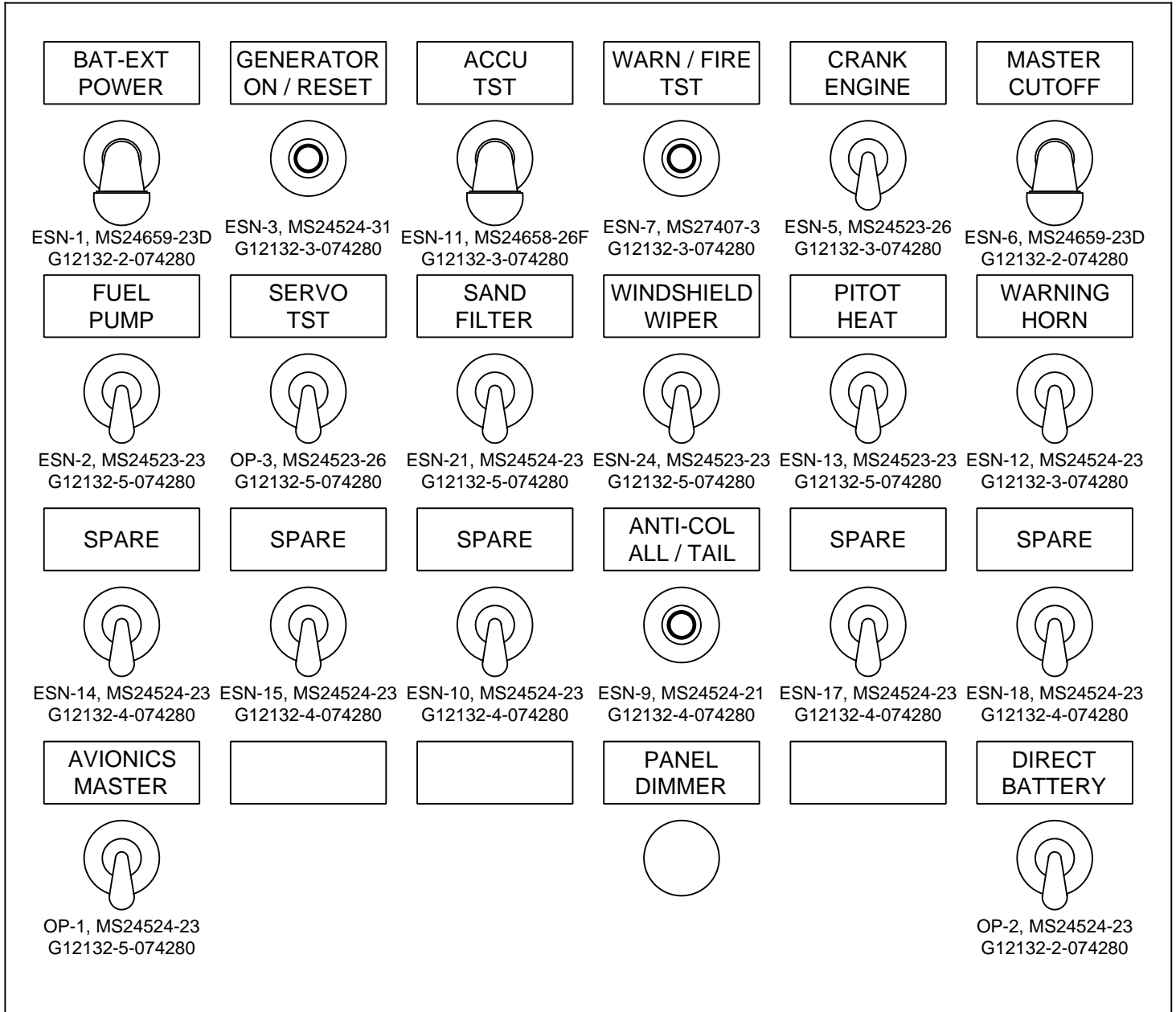
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APPROVAL	CLB	DATE	12/05/12
PRO NO.	GA107	SHT.	1



TITLE	CONSOLE SWITCH LAYOUT P132 TOP VIEW for AS350B3
DWG NO.	G12132-15-074280
REV.	E

# P122 CONSOLE LAYOUT



Note: ACCU TST switch may be marked HYD TST

Effectivity: AS350B3 embodying  
Mod 350A07-4280

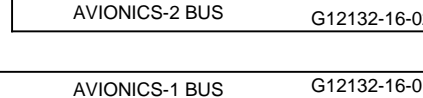
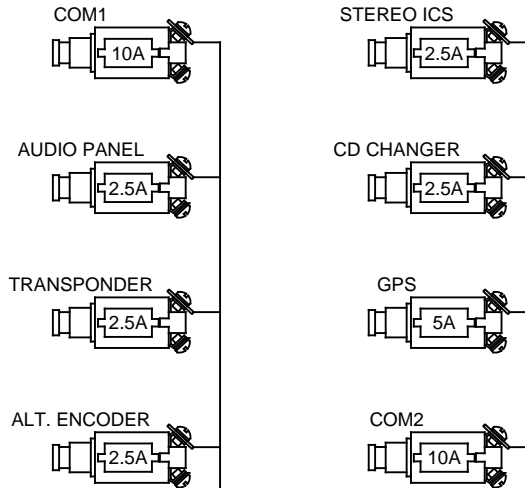


DESIGNED	GA	DATE	02/04/13	THIS DOCUMENT INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.	TITLE <b>CONSOLE SWITCH LAYOUT</b> P122 TOP VIEW for AS350B3 DWG NO. G12132-15-074280-P122
DRAWN	GA	DATE	02/04/13		
CHECKED	GA	DATE	02/04/13		
APPROVAL	CLB	DATE	02/04/13		
PRO NO.	GA107	SHT.	1		
REV	DESCRIPTION	DATE	APROV.		REV. D
D	Changed ESN-11 switch image to locking switch.	11/08/17	GA		
C	Added ACCU TST Option. Changed TEST to TST.	10/20/17	GA		
B	Changed ESN-11 switch type.	9/27/16	GA		
A	Changed DIRECT BATTERY switch type.	8/14/13	GA		

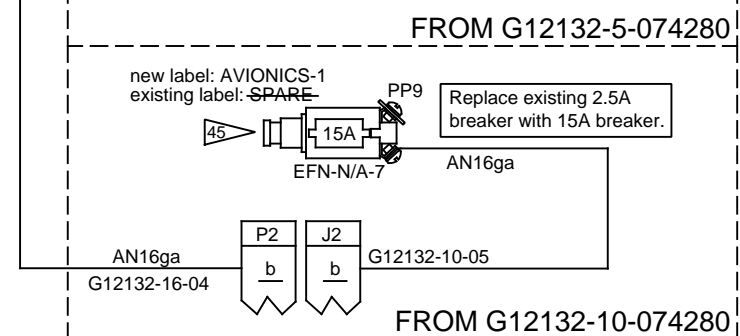
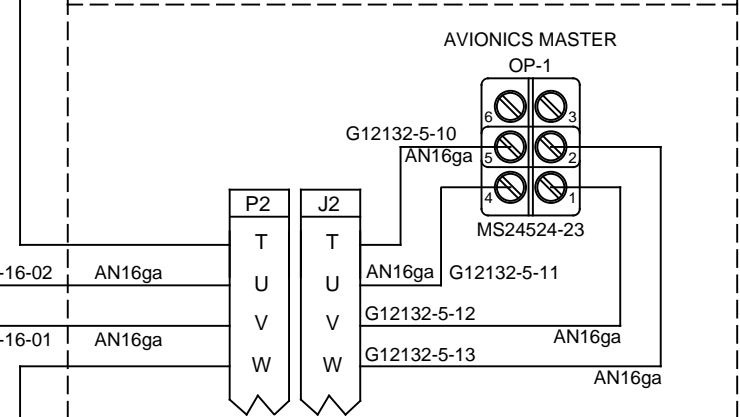
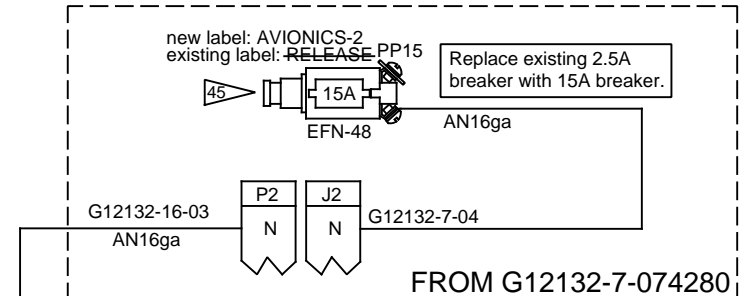
# SAMPLE OPTIONAL CIRCUITS

More samples on G12132-17-074280

Avionics breakers may be mounted in the Optional rails, or in an installer-defined location outside the console.



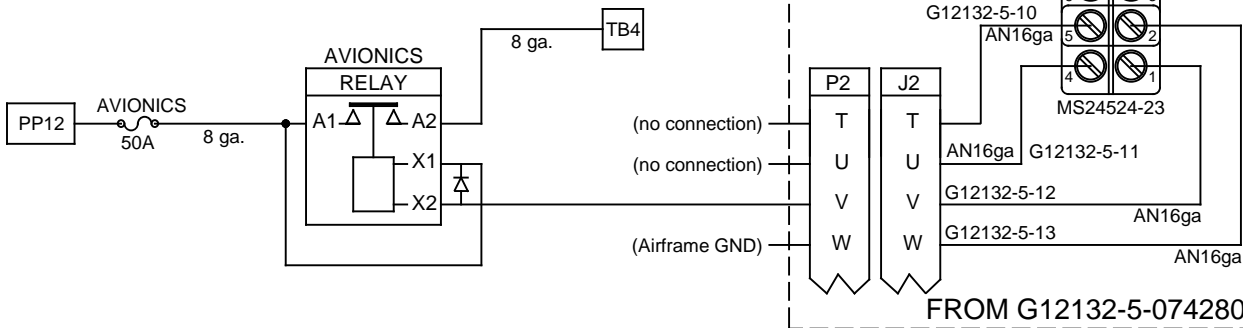
Sample AVIONICS circuit



Alternatively, separate AVIONICS-1 and AVIONICS-2 bus breakers may be mounted in the optional rails, or in an installer-defined location outside the console, and powered separately.

Sample AVIONICS MASTER circuit

EXTERNAL TO CONSOLE



Effectivity: AS350B2 and AS350B3 embodying Mod 350A07-4280

SEE NOTES ON G12132-1

B	Changed Effectivity note.	8/14/13	GA
A	Added Effectivity note.	2/04/13	GA
REV	DESCRIPTION	DATE	APROV.
REVISION			



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APPROVAL	CLB	DATE	12/05/12
PRO NO.	GA107	SHT.	1

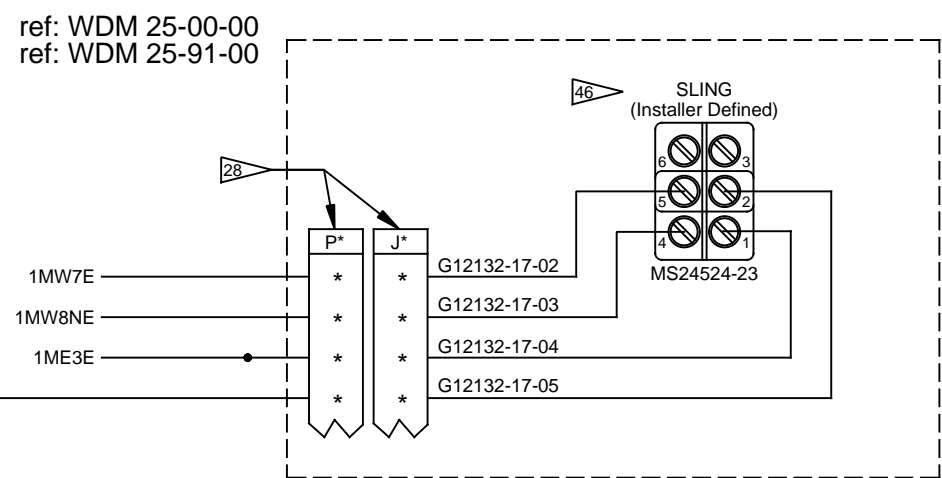
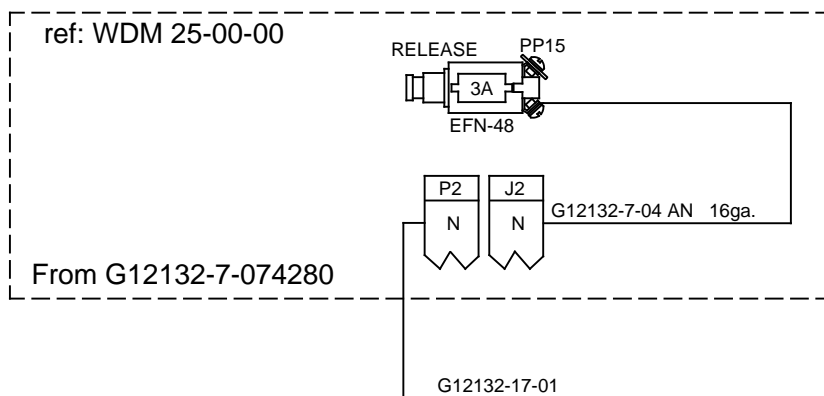
TITLE	AVIONICS SAMPLE CIRCUIT P132 and P122 CONSOLE WIRING
DWG NO.	G12132-16-074280
REV.	B

# SAMPLE OPTIONAL CIRCUITS

More samples on G12132-16-074280

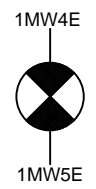
**SWITCH CURRENT RATINGS:**  
 MS24523-23: Resistive: 20A, Inductive: 15A, Lamp: 5A  
 MS24524-23: Resistive: 20A, Inductive: 15A, Lamp: 7A

## Sample CARGO SWING circuit



28 A connector is not required in this position. The airframe wires may be connected directly to the switch. If a connector is used for this circuit, the installer shall record the connector's identification number and the contact positions used.

46 There is no standard switch assigned to the swing function in the -074280 version of the console. If a swing circuit is required, implement it using an available optional switch, or using a switch mounted in an installer-defined location outside the console. The wire numbers shown are only an example. If an internal switch is used, the wire numbers should be updated to match the internal console wiring for that switch. If an external switch is used, the installer may use these numbers, or assign unique wire numbers as appropriate.



**SLING ON** warning light.  
 Installer shall provide suitable light and install in clear view of pilot, with appropriate label.

B	Changed from CARGO HOOK to SWING to match EC documents. Fixed WDM references. Indicator now uses instrument panel dimmer. Added Effectivity for B2.	8/14/13	GA
A	Added Effectivity note.	2/04/13	GA
REV	DESCRIPTION	DATE	APROV.
REVISION			

Effectivity: AS350B2 and AS350B3 embodying Mod 350A07-4280

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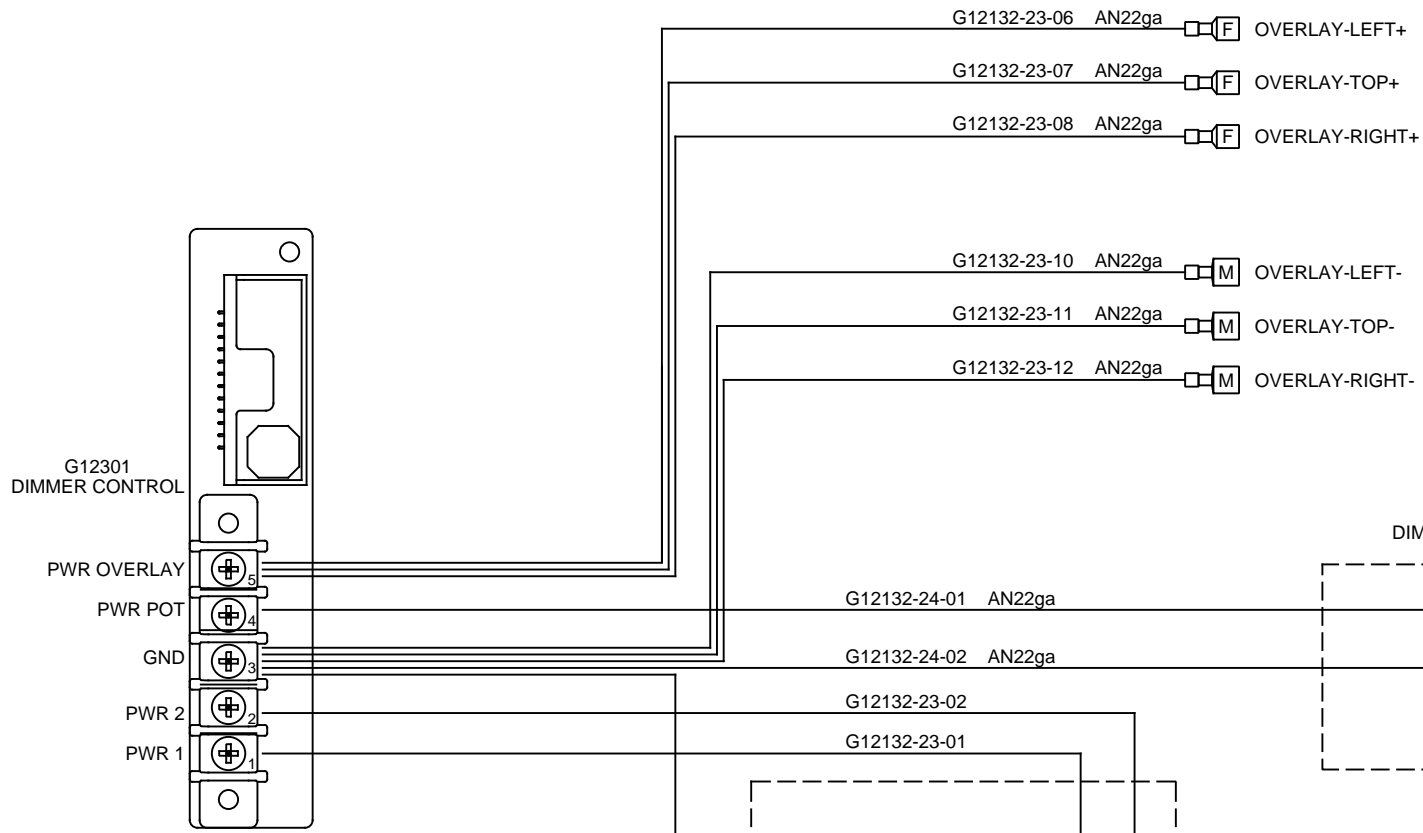
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APPROVAL	CLB	DATE	12/05/12
PRO NO.	GA107	SHT.	1

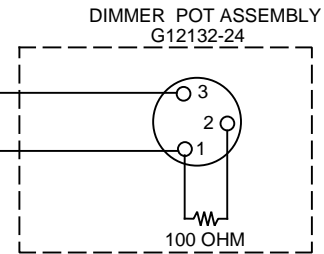
TITLE	CARGO SWING SAMPLE CIRCUIT P132 and P122 CONSOLE WIRING
DWG NO.	G12132-17-074280
REV.	B

SEE NOTES ON G12132-1

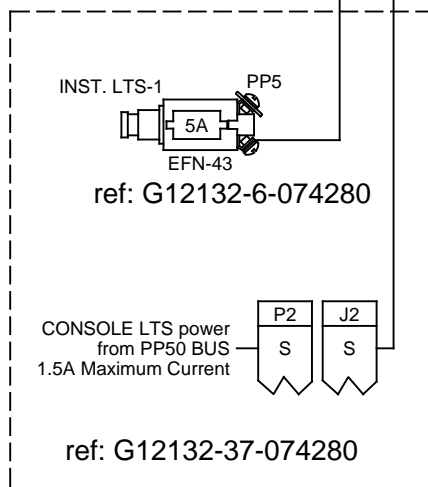
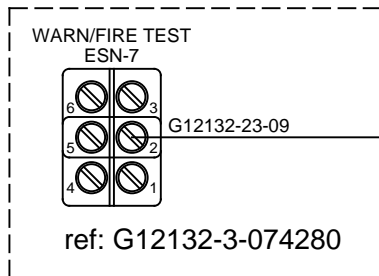




QUICK DISCONNECT, FULLY INSULATED  
 FEMALE: T&B 18RA-2577  
 MALE: T&B 18RA-251T



USE #6 TERMINALS (RED CRIMP 36152)  
 FOR CONNECTING WIRES TO TERMINAL BLOCK



# G12301 OVERLAY DIMMER CONTROL WIRING

REV	DESCRIPTION	DATE	APPROV.
D	Changed EFN-43 rating.	4/22/15	CLB
C	Changed Quick Disconnect Part Numbers.	12/05/14	CLB
B	Changed Effectivity note.	8/14/13	GA
A	Added Effectivity note.	2/04/13	GA

Effectivity: AS350B3 embodying Mod 350A07-4280

SEE NOTES ON G12132-1

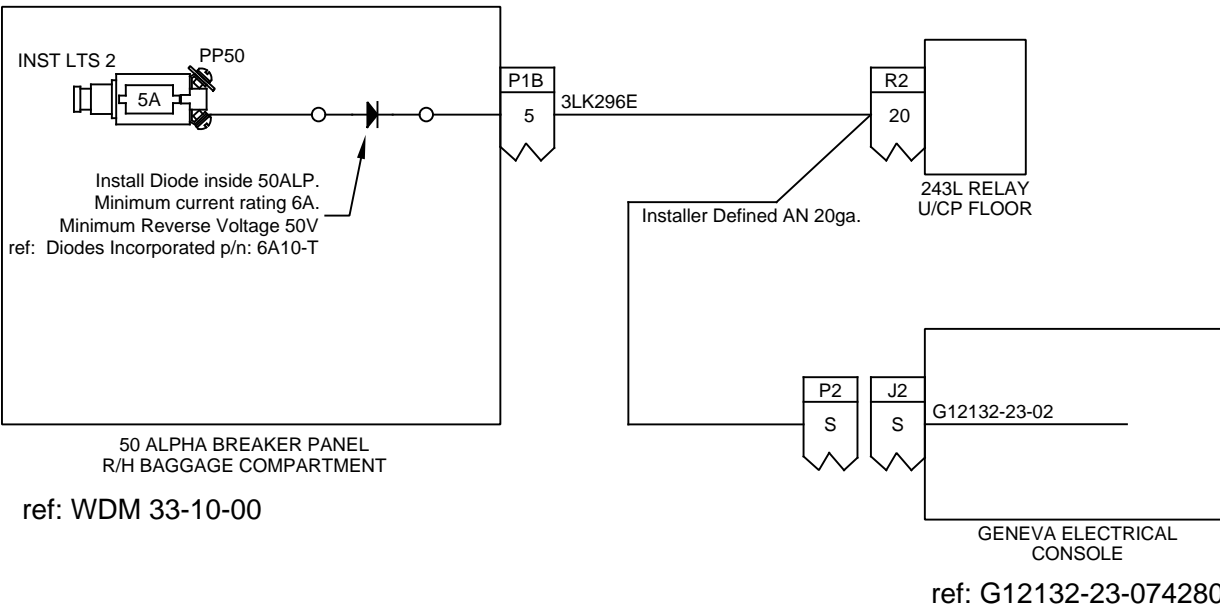


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DRAWN	RBH	DATE	12/05/12
APPROVAL	CLB	DATE	12/05/12
PRO NO.	GA107	SHT.	1

TITLE	SWITCH LEGEND LIGHTING P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-23-074280	REV.	D

### PP50 BUS OUTSIDE CONSOLE



### CONSOLE BACKLIGHT POWER FROM PP50 BUS

For aircraft that embody mod 360A07-4280, the console backlight power supply pin J2:S must be connected to the PP50 bus through a circuit breaker of an appropriate current rating, 1.5A or greater.

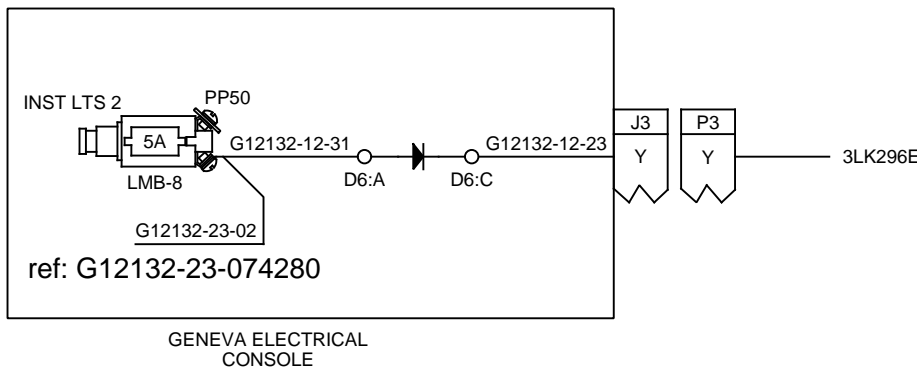
Power may be supplied from the INST LTS. 2 breaker in the 50alpha breaker box in the R/H Baggage compartment via the 3LK296E wire at the 243L relay.

A diode must be placed between the INST LTS 2 breaker and the 234L relay to prevent voltage feedback from the lighting module.

It is the installers responsibility to confirm the total current draw from both the instrument panel and console lights does not exceed the current rating of both the circuits and breaker.

The installer must label the added wiring with unique identifying marks and update the wiring diagrams to reflect the changes made.

### PP50 BUS INSIDE CONSOLE



Effectivity: AS350B3 embodying Mod 350A07-4280

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
C	Added diode to 3LK296E.	4/22/15	GA
B	Changed Effectivity note.	8/14/13	GA
A	Added Effectivity note.	2/04/13	GA
REVISION			



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DRAWN	GA	DATE	12/05/12
APPROVAL	CLB	DATE	12/05/12
PRO NO.	GA107	SHT.	1

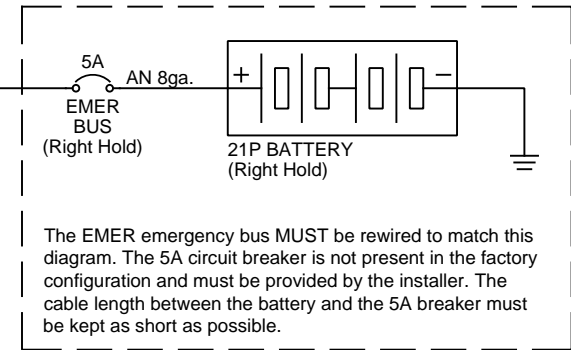
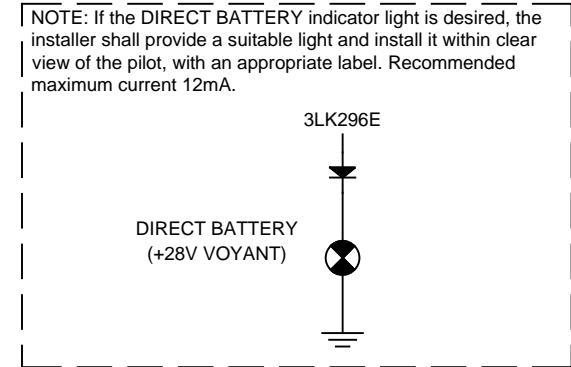
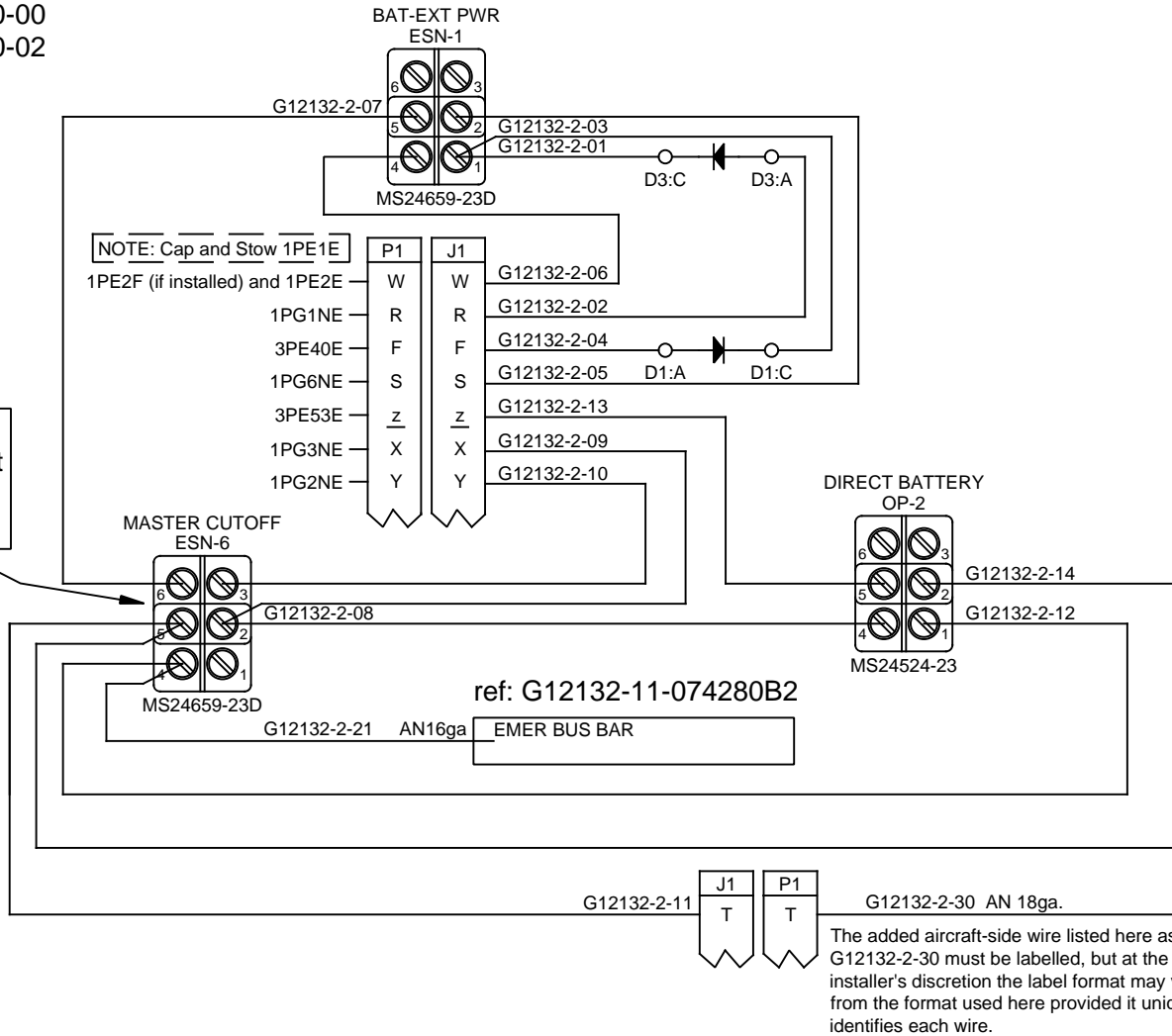
TITLE	07-4280 CONSOLE LIGHT EXTERNAL WIRING
DWG NO.	G12132-37-074280
REV.	C

ref: WDM 24-30-00  
 ref: WDM 24-60-02

**NOTICE:**

The circuitry related to the BAT-EXT PWR switch and the MASTER ELECTRICAL CUTOFF switch has been changed from the Eurocopter original circuitry. Install using this wiring, and use this drawing for future electrical troubleshooting.

The toggle of this switch must be marked with the color RED



REV	DESCRIPTION	DATE	APROV.
A	Changed PP46 bus name to EMER.	01/14/15	GA
A	Added note for 1PE1E. Changed name of airframe wire from P1:T. Added note about 5A PP46 bus breaker.	12/05/14	GA
REV	DESCRIPTION	DATE	APROV.
REVISION			

Effectivity: AS350B2 embodying Mod 350A07-4280

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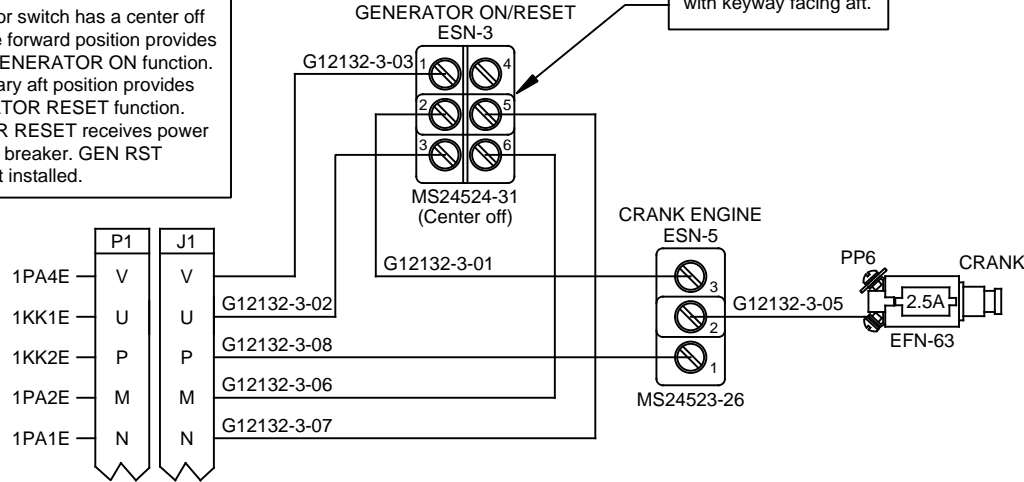
DRAWN	GA	DATE	8/15/13	TITLE	SWITCH DETAILS
APPROVAL	CLB	DATE	8/15/13	P132 and P122 CONSOLE WIRING	
PRO NO.	GA107	SHT.	1	DWG NO.	G12132-2-074280B2
					REV. A

SEE NOTES ON G12132-1

ref: WDM 24-30-00  
ref: WDM 80-11-01

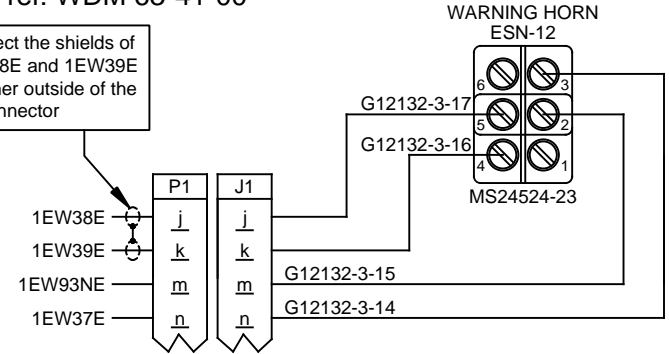
The Generator switch has a center off position. The forward position provides the normal GENERATOR ON function. The momentary aft position provides the GENERATOR RESET function. GENERATOR RESET receives power from CRANK breaker. GEN RST breaker is not installed.

NOTE:  
This switch is installed with keyway facing aft.



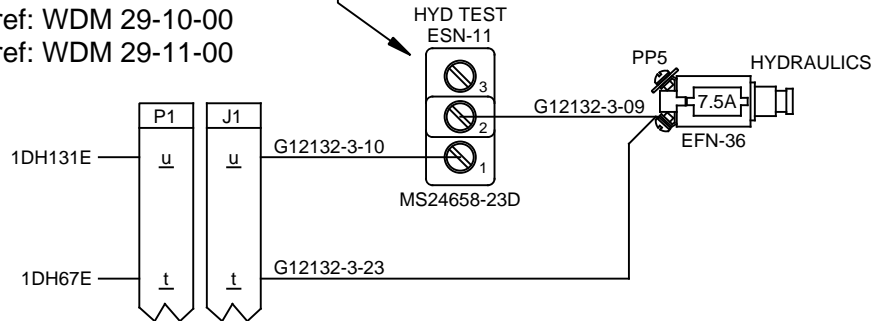
ref: WDM 63-41-00

Connect the shields of 1EW38E and 1EW39E together outside of the P1 connector



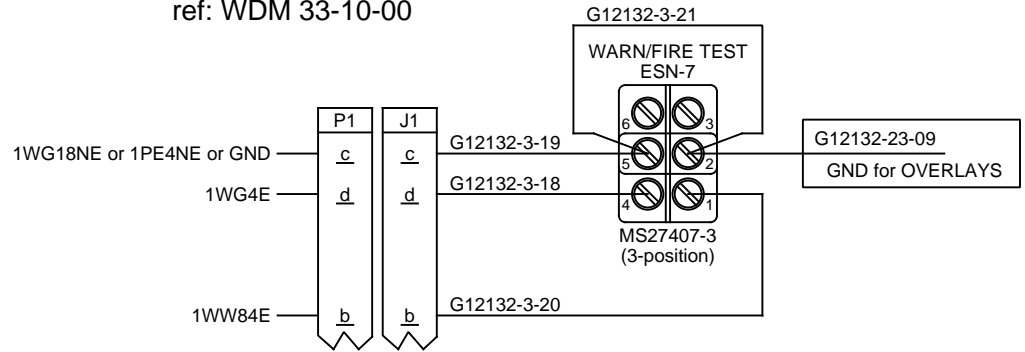
ref: WDM 29-10-00  
ref: WDM 29-11-00

The toggle of this switch must be marked with the color YELLOW.



ref: WDM 26-11-10  
ref: WDM 33-10-00

This 3-position switch performs the FIRE TEST function in the aft position



NOTE: ESN-7 maintains connections between terminals 2 and 3, and between terminals 4 and 5, when the switch toggle is in the center position.

Effectivity: AS350B2 embodying Mod 350A07-4280

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
A	Changed Note for GEN RESET Circuit. Changed Hydraulic wiring.	12/05/14	GA
REVISION			



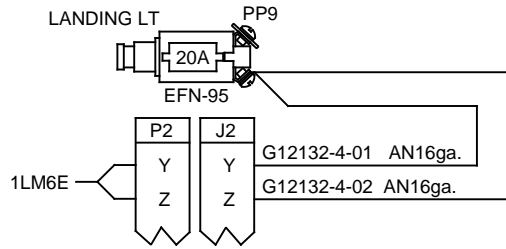
THIS DRAWING INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.

DRAWN	GA	DATE	8/15/13
APPROVAL	CLB	DATE	8/15/13
PRO NO.	GA107	SHT.	1

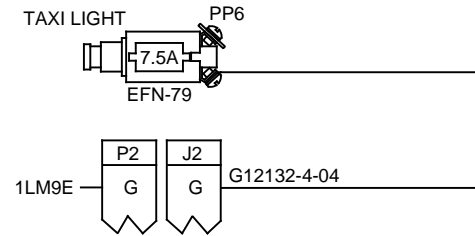
TITLE	SWITCH DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-3-074280B2	REV.	A

ref: WDM 33-43-01

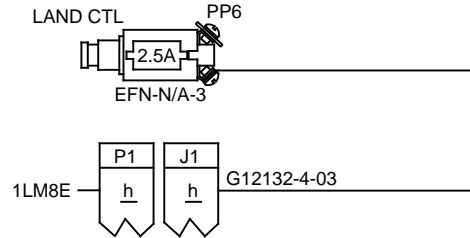
Splice two AN16ga. wires from P2 pins Y and Z to 1LM6E. Wires should be kept as short as possible.



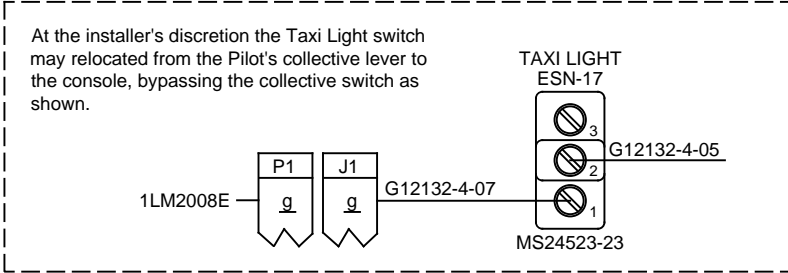
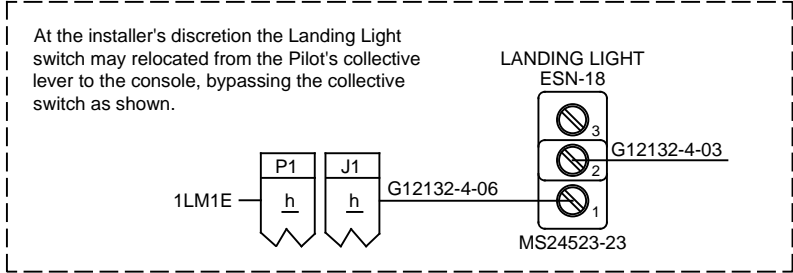
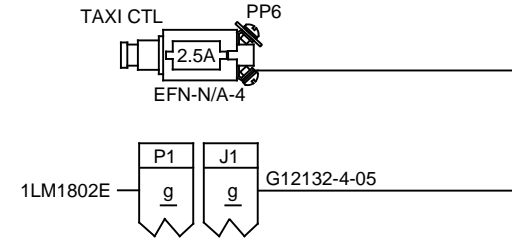
ref: WDM 33-43-02



ref: WDM 33-43-01

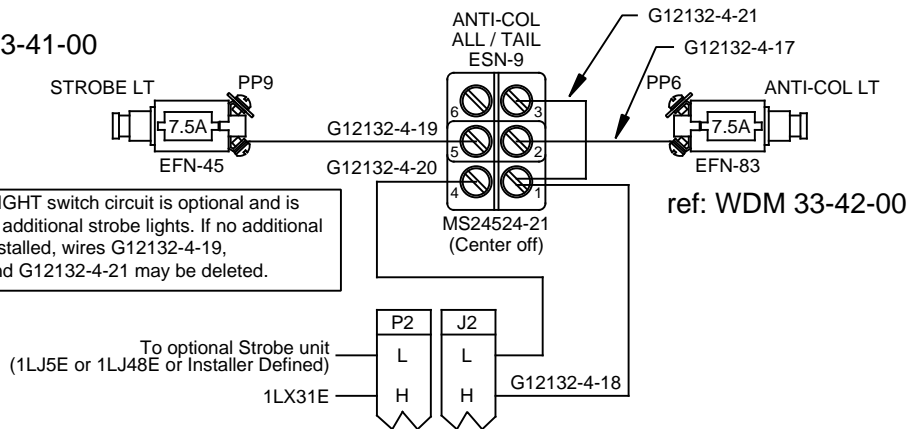


ref: WDM 33-43-02

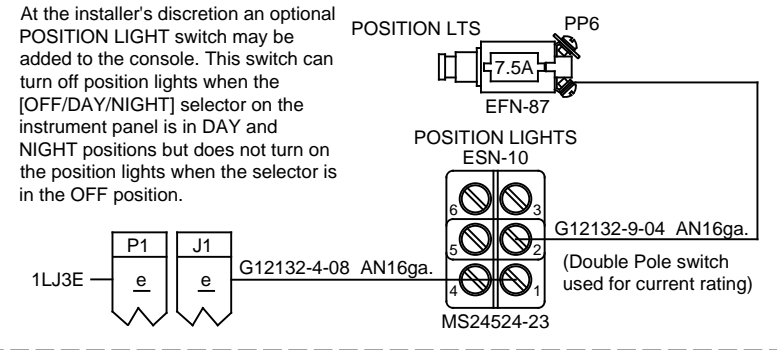


ref: WDM 33-41-00

The STROBE LIGHT switch circuit is optional and is usually used for additional strobe lights. If no additional strobe light is installed, wires G12132-4-19, G12132-4-20 and G12132-4-21 may be deleted.



ref: WDM 33-41-00



Effectivity: AS350B2 embodying Mod 350A07-4280

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		



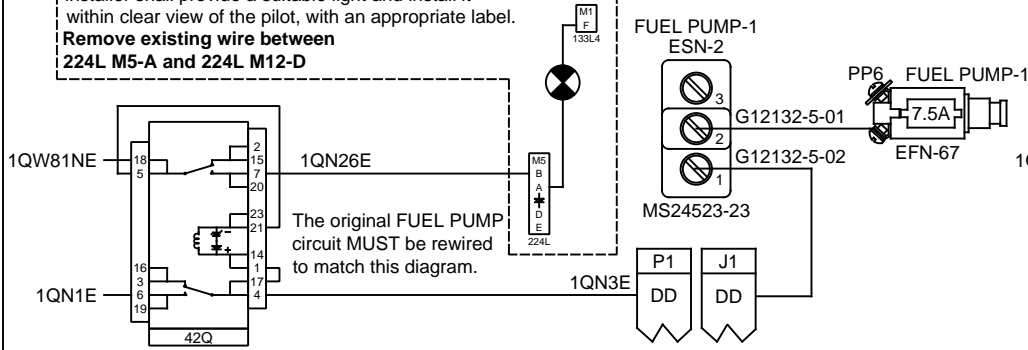
THIS DRAWING INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.

DRAWN	GA	DATE	8/15/13
APPROVAL	CLB	DATE	8/15/13
PRO NO.	GA107	SHT.	1

TITLE	LIGHTING CIRCUITS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-4-074280B2	REV.	--

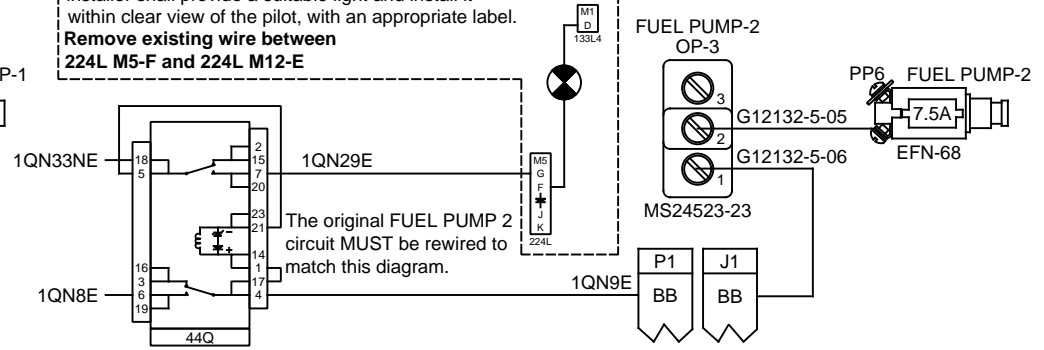
NOTE: If a FUEL PUMP indicator light is desired, the installer shall provide a suitable light and install it within clear view of the pilot, with an appropriate label.  
**Remove existing wire between 224L M5-A and 224L M12-D**

ref: WDM 28-00-00



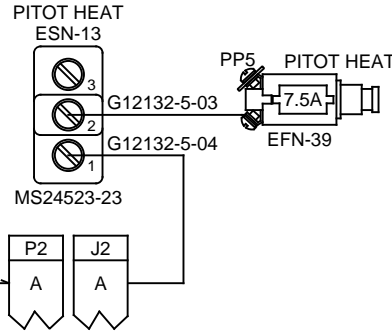
NOTE: If a FUEL PUMP 2 indicator light is desired, the installer shall provide a suitable light and install it within clear view of the pilot, with an appropriate label.  
**Remove existing wire between 224L M5-F and 224L M12-E**

ref: WDM 28-00-00

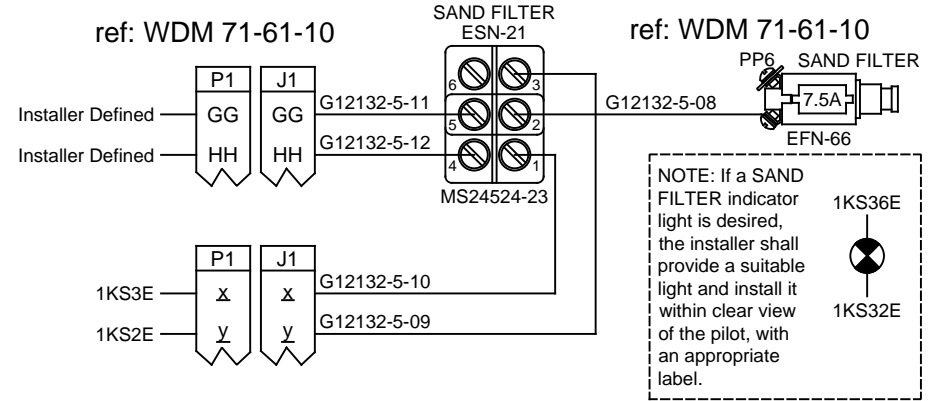


ref: WDM 30-31-00

NOTE: If a PITOT indicator light is desired, the installer shall provide a suitable light and install it within clear view of the pilot, with an appropriate label.  
 Recommended maximum current 12mA.  
 The Installer must install a relay of a suitable rating to drive the lamp, wired as shown.



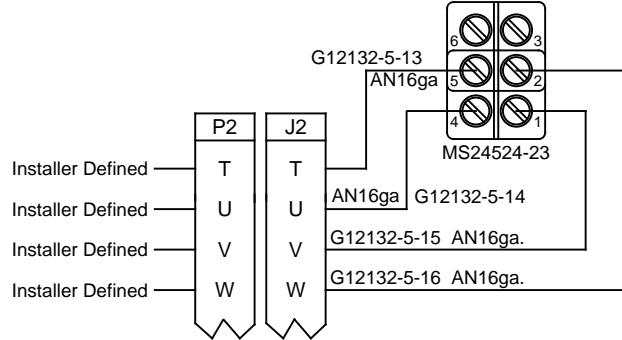
ref: WDM 71-61-10



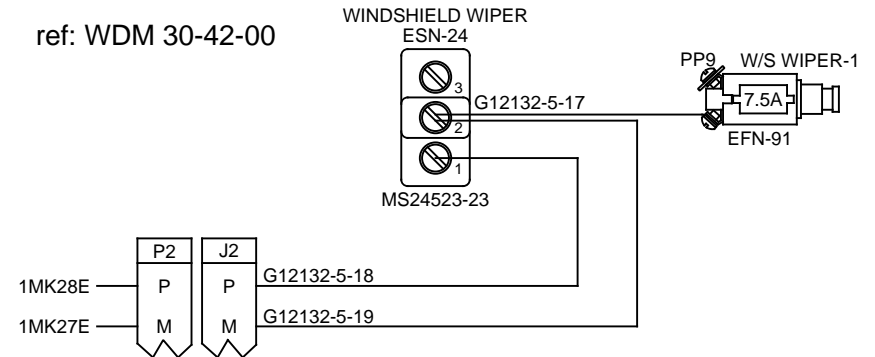
SEE G12132-16-074280B2 FOR SAMPLE OPTIONAL CIRCUITS

SWITCH CURRENT RATINGS:  
 MS24523-23: Resistive: 20A, Inductive: 15A, Lamp: 5A  
 MS24524-23: Resistive: 20A, Inductive: 15A, Lamp: 7A

AVIONICS MASTER OP-1



ref: WDM 30-42-00



Effectivity: AS350B2 embodying Mod 350A07-4280

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

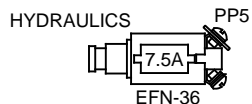


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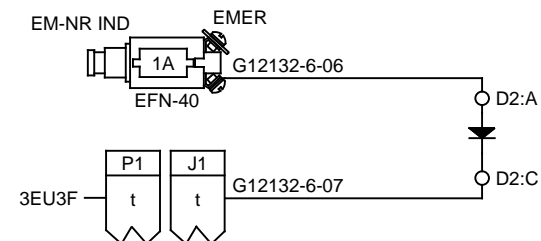
DRAWN	GA	DATE	8/15/13
APPROVAL	CLB	DATE	8/15/13
PRO NO.	GA107	SHT.	1

TITLE	SWITCH DETAILS		
	P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-5-074280B2	REV.	--

Detailed on G12132-3-074280B2

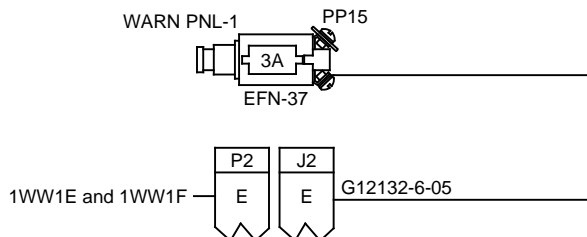


ref: WDM 77-00-01

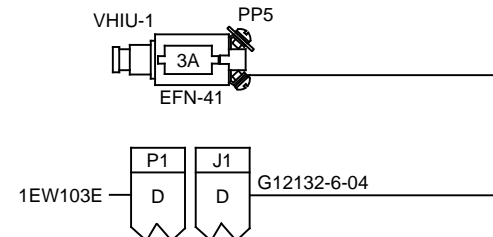


ref: WDM 24-30-00  
ref: WDM 26-11-00

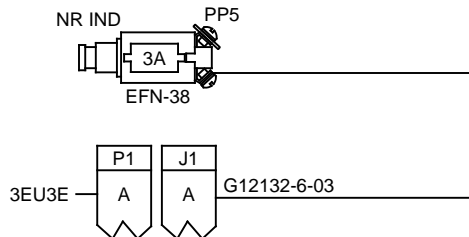
At the installer's discretion, the entire PP15 bus, including the WARN PNL-1 and RELEASE breaker functions may be moved to an installer defined location outside the console.



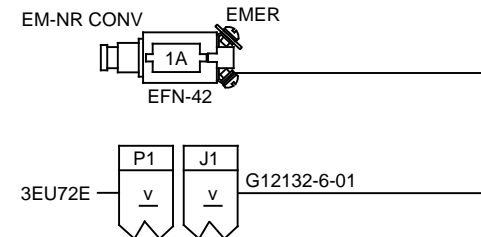
ref: WDM 31-61-00



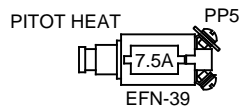
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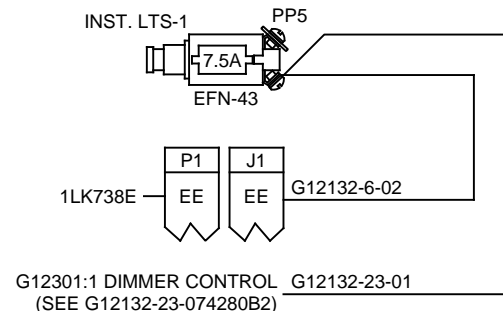
ref: WDM 77-00-01



Detailed on G12132-5-074280B2



ref: WDM 33-10-00



Effectivity: AS350B2 embodying Mod 350A07-4280

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APPROV.
A	Changed PP46 to EMER.	12/05/14	GA
REVISION			

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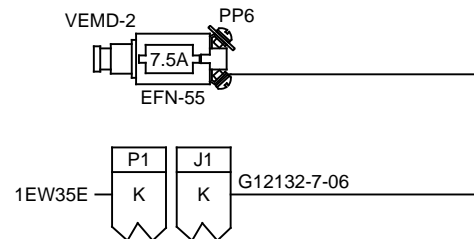
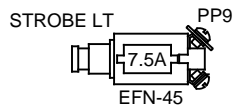
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DRAWN	GA	DATE	8/15/13
APPROVAL	CLB	DATE	8/15/13
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-6-074280B2		
REV.	A		

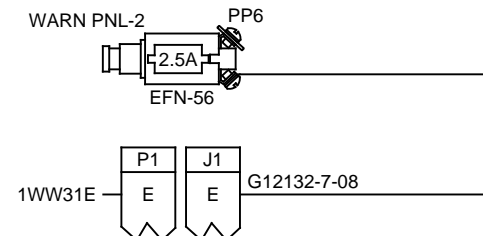
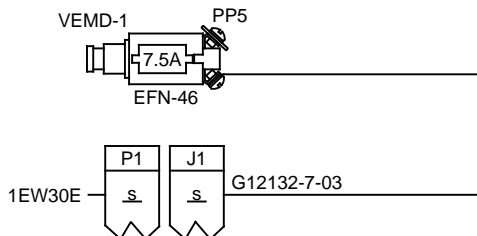
Detailed on G12132-4-074280B2

ref: WDM 31-61-00



ref: WDM 31-61-00

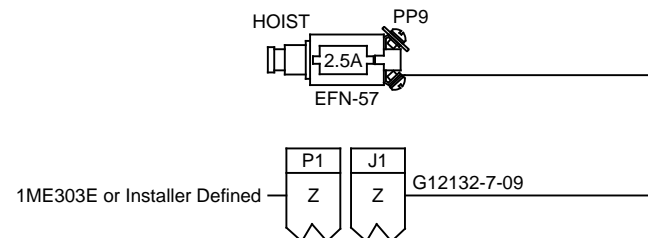
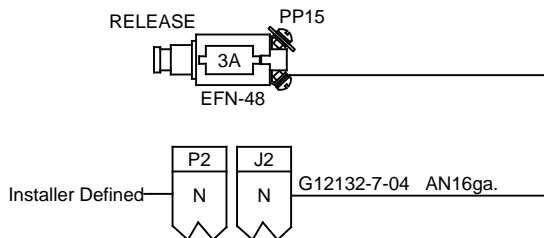
ref: WDM 24-30-00



ref: WDM 25-00-00  
ref: WDM 25-63-10

At the installer's discretion, the entire PP15 bus, including the WARN PNL-1 and RELEASE breaker functions may be moved to an installer defined location outside the console.

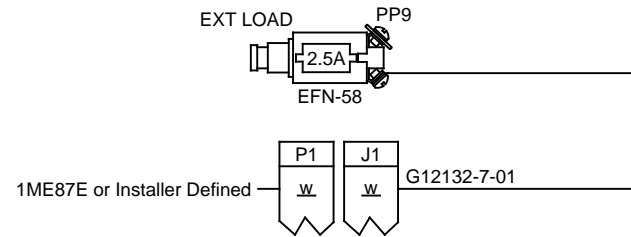
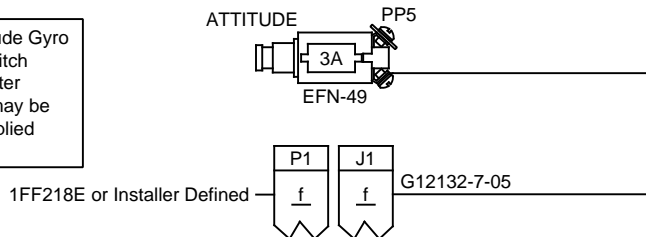
ref: WDM 25-63-10



ref: WDM 34-25-30

ref: WDM 25-91-00

Wire directly to the Attitude Gyro or through an On/Off switch and/or the Avionics Master Relay; or, this function may be moved to a breaker supplied from a switched bus



Effectivity: AS350B2 embodying Mod 350A07-4280

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

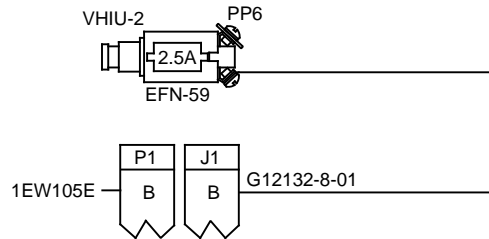


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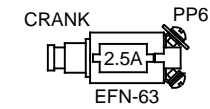
DRAWN	GA	DATE	8/15/13
APPROVAL	CLB	DATE	8/15/13
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-7-074280B2	REV.	--

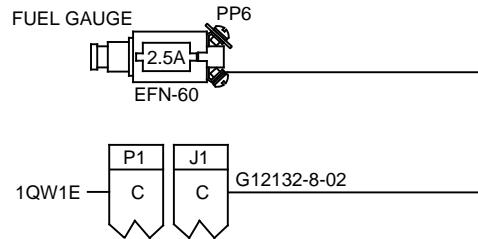
ref: WDM 31-61-00



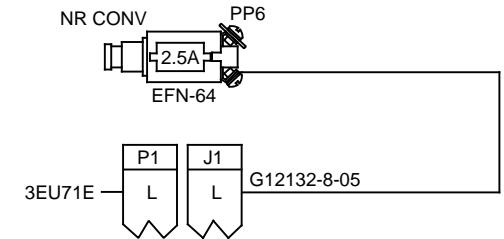
Detailed on G12132-3-074280B2



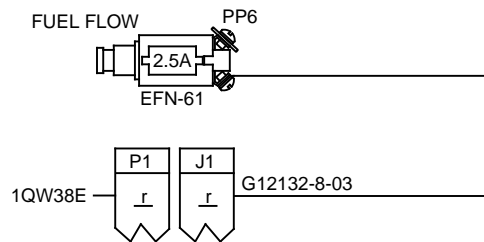
ref: WDM 28-00-00



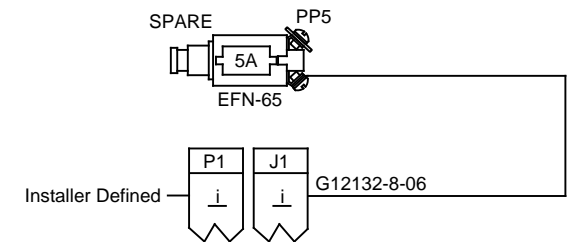
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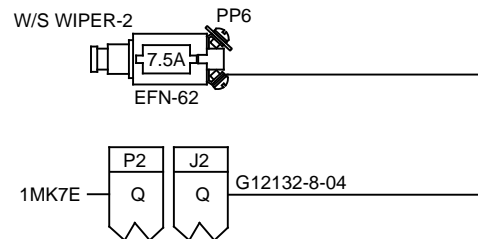
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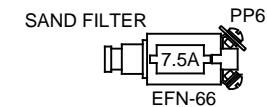
ref: WDM 25-10-40



ref: WDM 30-42-00



Detailed on G12132-5-074280B2



Effectivity: AS350B2 embodying Mod 350A07-4280

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

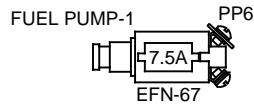


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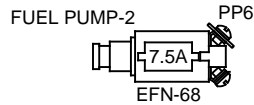
DRAWN	GA	DATE	8/15/13
APPROVAL	CLB	DATE	8/15/13
PRO NO.	GA107	SHT.	1

TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-8-074280B2	REV.	--

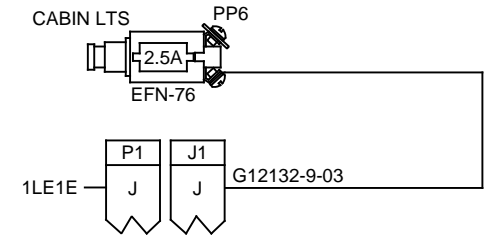
Detailed on G12132-5-074280B2



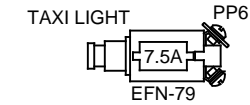
Detailed on G12132-5-074280B2



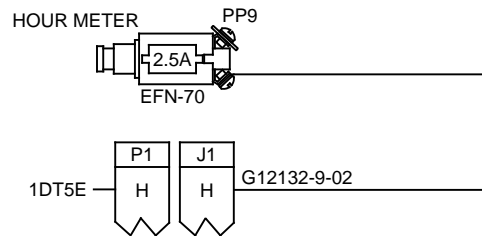
ref: WDM 33-12-00



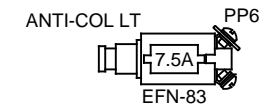
Detailed on G12132-4-074280B2



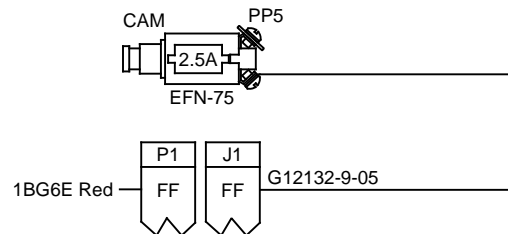
ref: WDM 31-31-00



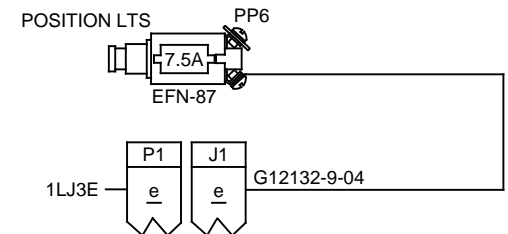
Detailed on G12132-4-074280B2



ref: WDM 25-10-40



ref: WDM 33-41-00



Effectivity: AS350B2 embodying Mod 350A07-4280

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		

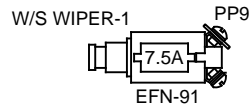


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DRAWN	GA	DATE	8/15/13
APPROVAL	CLB	DATE	8/15/13
PRO NO.	GA107	SHT.	1

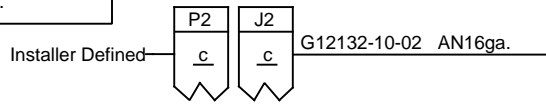
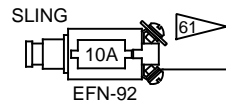
TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-9-074280B2	REV.	--

Detailed on G12132-5-074280B2

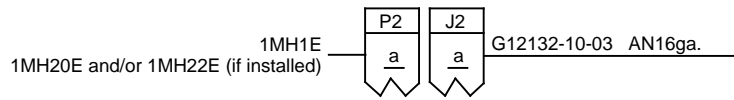
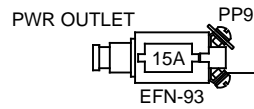


ref: WDM 25-91-00

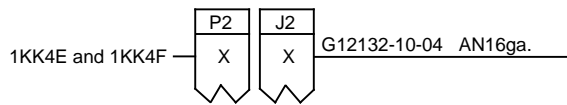
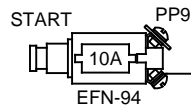
61 Source directly from wire 1MY41E, or through an available power terminal post. See G12132-11-074280B2.



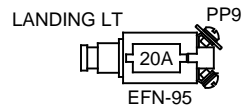
ref: WDM 24-60-01  
ref: WDM 25-26-06



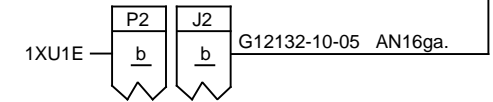
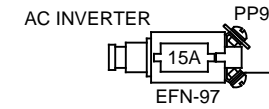
ref: WDM 80-11-01



Detailed on G12132-4-074280B2

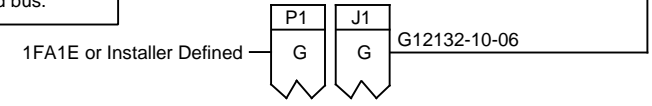
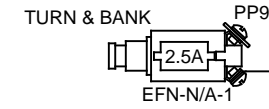


ref: WDM 24-22-00



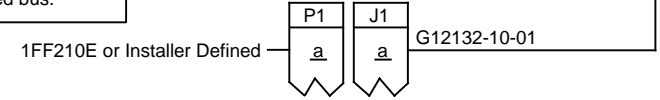
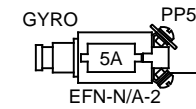
ref: WDM 34-26-03

Wire directly to the Turn & Bank Indicator, or through an On/Off switch; or, this function may be moved to a breaker that is supplied from a switched bus.

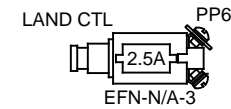


ref: WDM 34-21-03

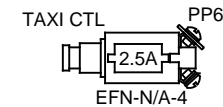
Wire directly to the Gyro Compass, or through an On/Off switch; or, this function may be moved to a breaker that is supplied from a switched bus.



Detailed on G12132-4-074280B2



Detailed on G12132-4-074280B2



Effectivity: AS350B2 embodying Mod 350A07-4280

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.
	REVISION		



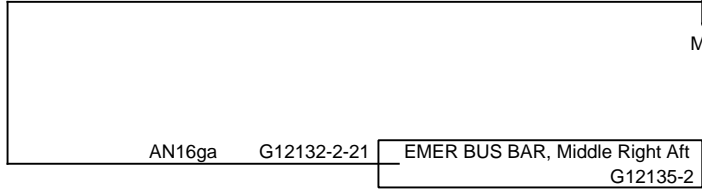
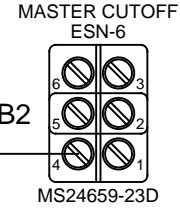
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DRAWN	GA	DATE	8/15/13
APPROVAL	CLB	DATE	8/15/13
PRO NO.	GA107	SHT.	1

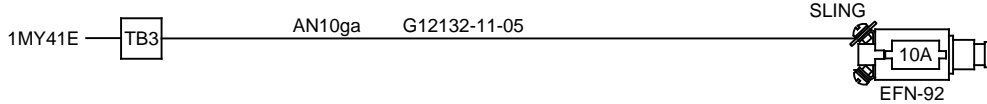
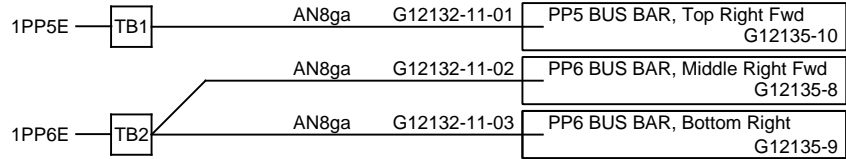
TITLE	CIRCUIT BREAKER DETAILS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-10-074280B2		
REV.	--		

ref: WDM 24-30-00  
 ref: WDM 24-60-02  
 ref: WDM 25-92-00

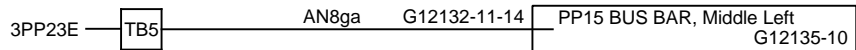
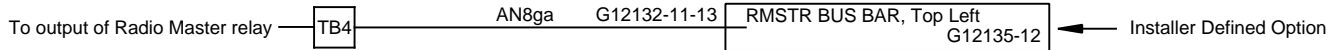
ref: G12132-2-074280B2



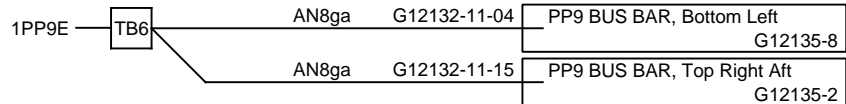
The PP46 bus has been rewired to contain the EM-IDL/FLT (EFN-72K) and EM-NR IND (EFN-71E) breakers ONLY. This new bus is designated EMER. Any other breakers previously assigned to the PP46 bus must be relocated to the PP50 bus or to an installer-defined bus.



Detailed on G12132-10-074280B2



At the installer's discretion, all or part of the left middle rail may be used for the PP15 bus, or the entire PP15 bus may be moved to an installer defined mounting location outside the console and the left middle rail used for other, installer-defined circuits.



### Primary Power to Circuit Breakers

Effectivity: AS350B2 embodying Mod 350A07-4280

SEE NOTES ON G12132-1

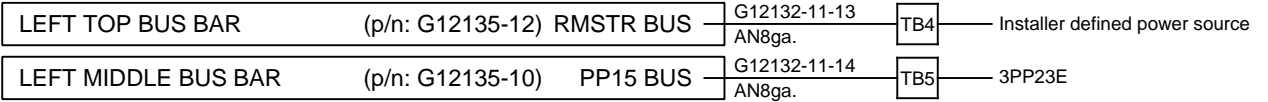
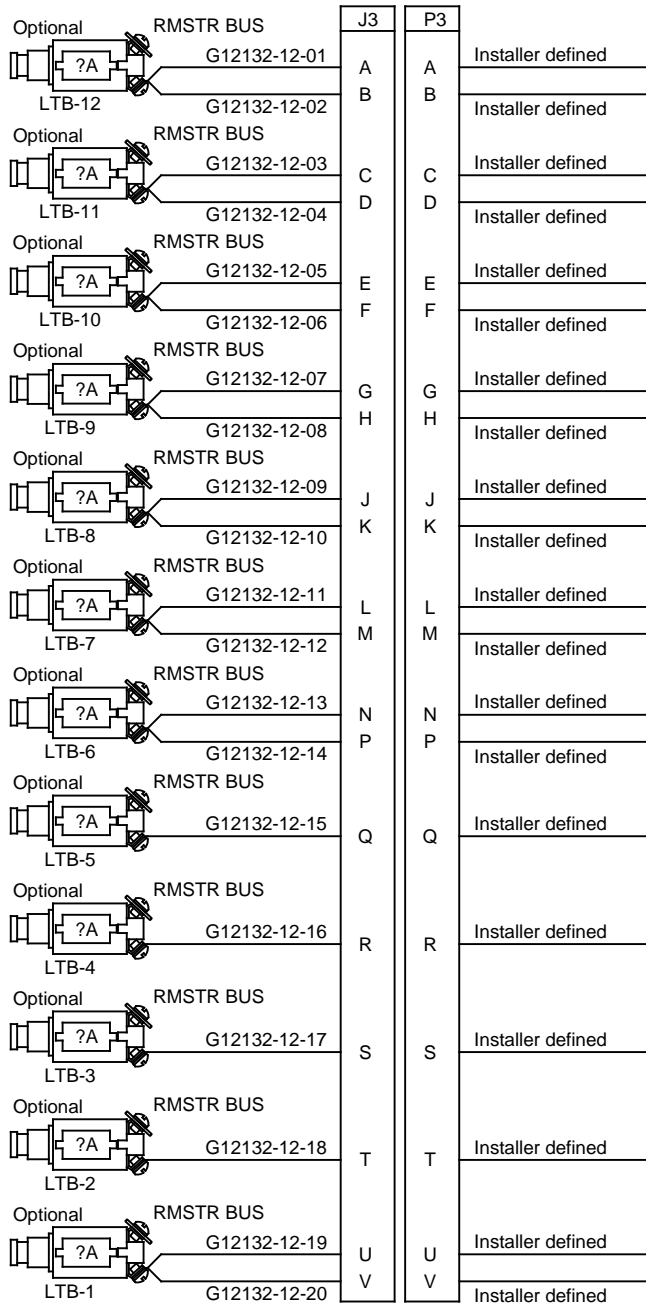
REV	DESCRIPTION	DATE	APROV.
A	Changed PP46 to EMER bus.	12/05/14	GA
REVISION			



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DRAWN	GA	DATE	8/15/13
APPROVAL	CLB	DATE	8/15/13
PRO NO.	GA107	SHT.	1

TITLE	BUS BAR DETAILS		
	P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-11-074280B2	REV.	A



NOTE:  
 ALL WIRES ON THIS DRAWING ARE 16 ga. UNLESS SHOWN OTHERWISE.  
 RING TERMINALS FOR CIRCUIT BREAKERS ARE RED #6 (p/n 36152), EXCEPT FOR DUAL WIRES WHICH HAVE BOTH WIRES CRIMPED INTO ONE BLUE #6 RING TERMINAL (p/n 36158 OR 326882).

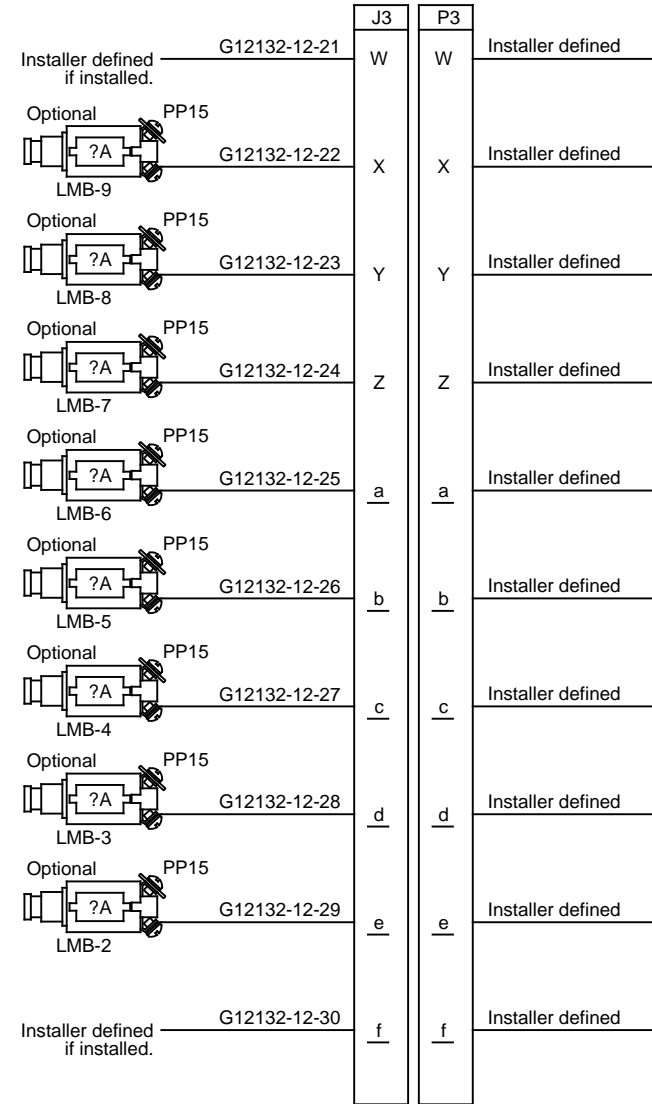
NOTE:  
 THE CIRCUIT BREAKER CURRENT RATINGS AND NAMES SHOWN ARE JUST AN EXAMPLE. ALL WIRES ARE SUITABLE FOR 15A BREAKERS, OR LESS.

NOTE:  
 The word: SPARE marked on this diagram is used to represent a breaker or wire that is installed but not assigned.

The word: BLANK means that the wires are installed but not the circuit breaker.

The word: VOID means that the breaker is not installed and the wires for that breaker are not installed.

AIRCRAFT FWD



ref: G12132-16-074280B2  
 ref: G12132-11-074280B2  
 ref: WDM 24-60-02

Effectivity: AS350B2 embodying Mod 350A07-4280

SEE NOTES ON G12132-1

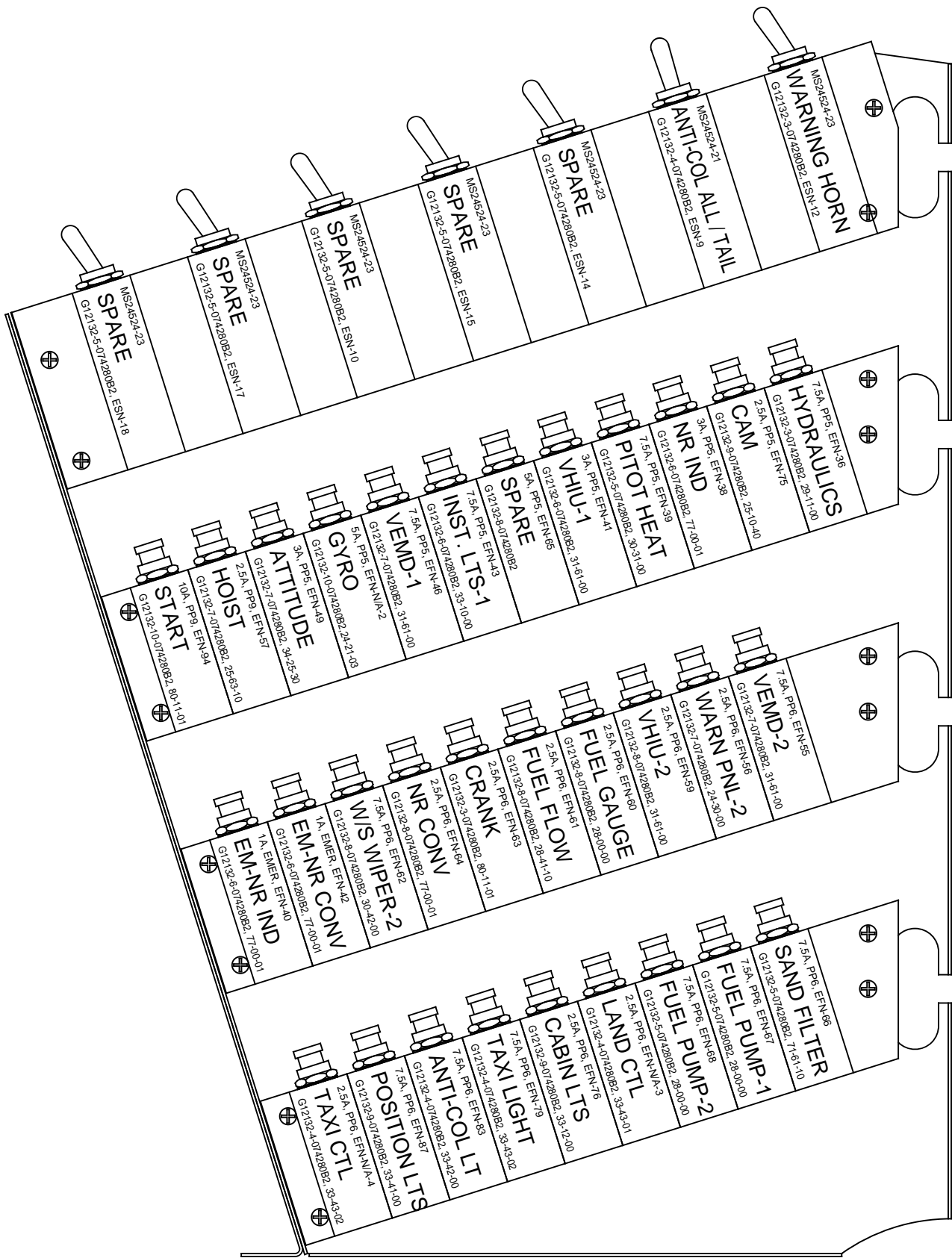
REV	DESCRIPTION	DATE	APROV.
	REVISION		



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DRAWN	GA	DATE	8/15/13
APPROVAL	CLB	DATE	8/15/13
PRO NO.	GA107	SHT.	1

TITLE	OPTIONAL CIRCUIT BREAKERS P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-12-074280B2		
REV.	--		



**FWD** →

Effectivity: AS350B2 embodying  
Mod 350A07-4280



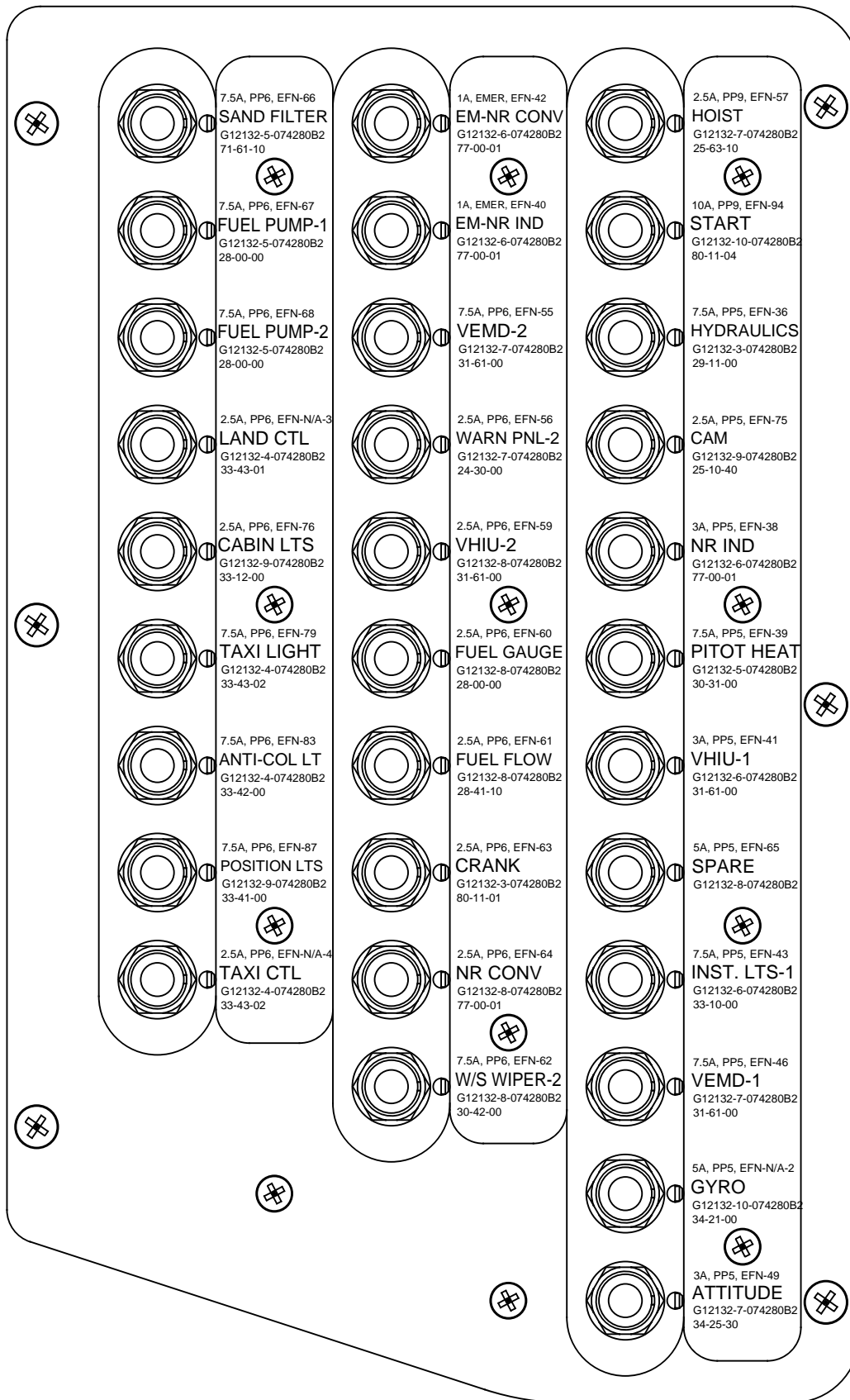
www.genevaaviation.com

TITLE	CONSOLE BREAKER LAYOUT P132 RIGHT SIDE VIEW	
DWG NO.	G12132-13-074280B2	REV. A

DESIGNED	GA	DATE	8/15/13
DRAWN	GA	DATE	8/15/13
CHECKED	GA	DATE	8/15/13
APPROVAL	CLB	DATE	8/15/13
PRO NO.	GA107	SHT.	1

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REV	DESCRIPTION	DATE	APPROV.
A	Changed PP46 to EMER.	12/05/14	GA
	REVISION		



**FWD**

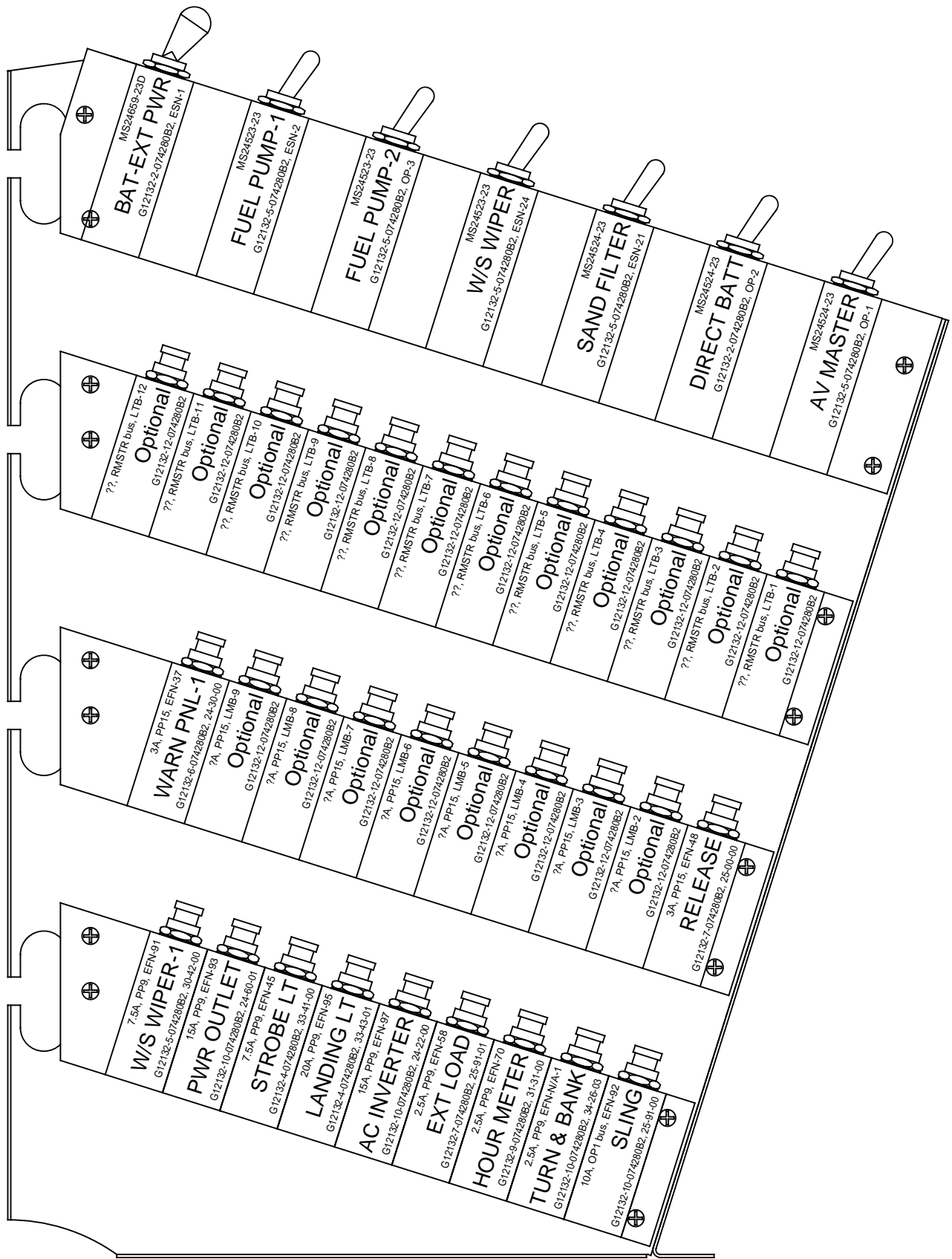
Effectivity: AS350B2 Embodying  
Mod 350A07-4280



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	DRAWN	GA	DATE	8/15/13
	CHECKED	GA	DATE	8/15/13
	APPROVAL	CLB	DATE	8/15/13
	PRO NO.	GA107	SHT.	1

TITLE	CONSOLE BREAKER LAYOUT	
	P122 RIGHT SIDE VIEW for AS350B2	
DWG NO.	G12132-13-074280B2-P122	REV. A

REVISION	DESCRIPTION	DATE	APPROV.
A	Changed PP46 to EMER.	12/05/14	GA



← FWD

Effectivity: AS350B2 embodying  
Mod 350A07-4280



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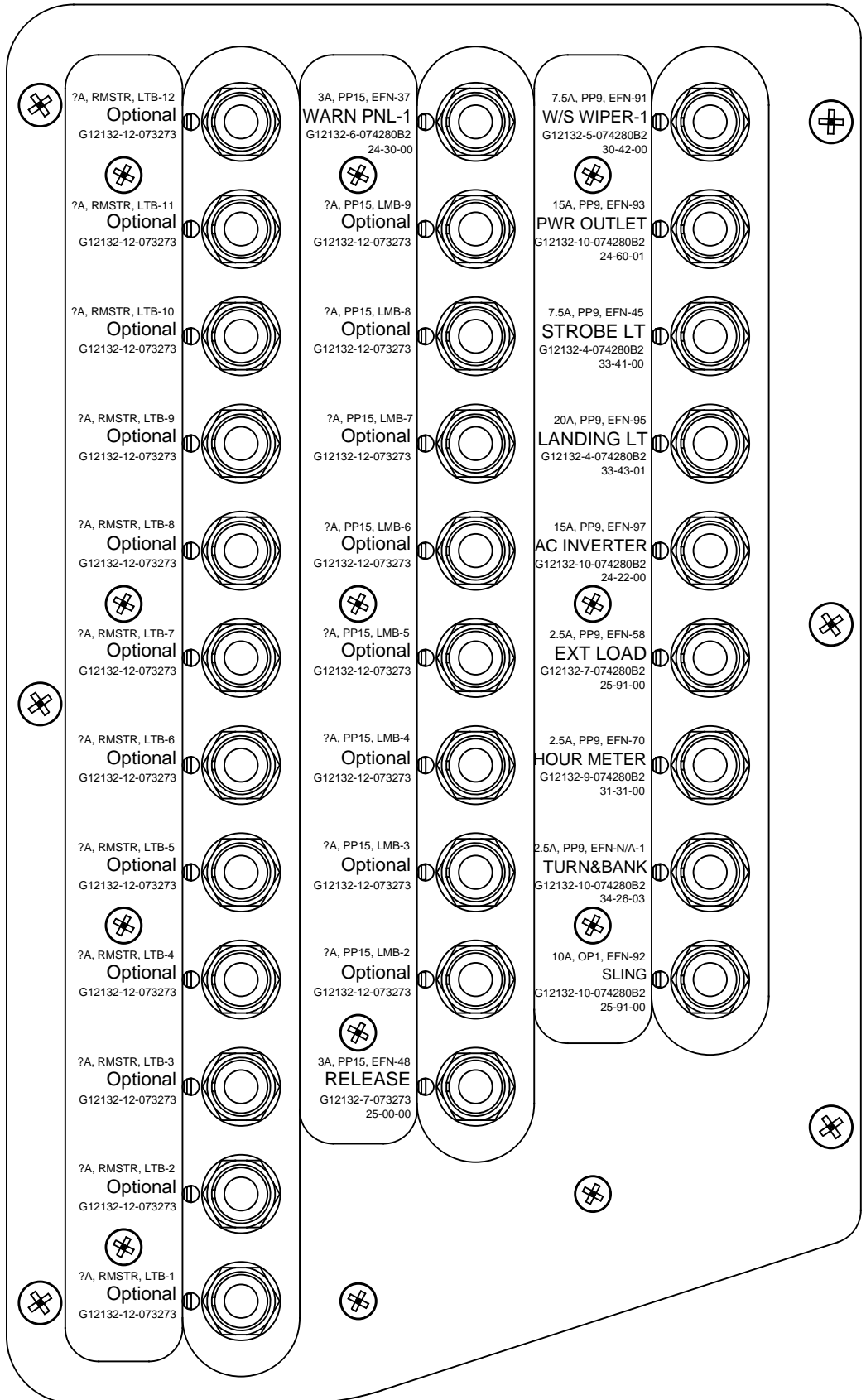
TITLE  
CONSOLE BREAKER LAYOUT  
P132 LEFT SIDE VIEW

REV	DESCRIPTION	DATE	APPROV.
	REVISION		

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DESIGNED	GA	DATE	8/15/13
DRAWN	GA	DATE	8/15/13
CHECKED	GA	DATE	8/15/13
APPROVAL	CLB	DATE	8/15/13
PRO NO.	GA107	SHT.	1

DWG NO.	REV.
G12132-14-074280B2	--



?A, RMSTR, LTB-12  
Optional  
G12132-12-073273

?A, RMSTR, LTB-11  
Optional  
G12132-12-073273

?A, RMSTR, LTB-10  
Optional  
G12132-12-073273

?A, RMSTR, LTB-9  
Optional  
G12132-12-073273

?A, RMSTR, LTB-8  
Optional  
G12132-12-073273

?A, RMSTR, LTB-7  
Optional  
G12132-12-073273

?A, RMSTR, LTB-6  
Optional  
G12132-12-073273

?A, RMSTR, LTB-5  
Optional  
G12132-12-073273

?A, RMSTR, LTB-4  
Optional  
G12132-12-073273

?A, RMSTR, LTB-3  
Optional  
G12132-12-073273

?A, RMSTR, LTB-2  
Optional  
G12132-12-073273

?A, RMSTR, LTB-1  
Optional  
G12132-12-073273

3A, PP15, EFN-37  
WARN PNL-1  
G12132-6-074280B2  
24-30-00

?A, PP15, LMB-9  
Optional  
G12132-12-073273

?A, PP15, LMB-8  
Optional  
G12132-12-073273

?A, PP15, LMB-7  
Optional  
G12132-12-073273

?A, PP15, LMB-6  
Optional  
G12132-12-073273

?A, PP15, LMB-5  
Optional  
G12132-12-073273

?A, PP15, LMB-4  
Optional  
G12132-12-073273

?A, PP15, LMB-3  
Optional  
G12132-12-073273

?A, PP15, LMB-2  
Optional  
G12132-12-073273

3A, PP15, EFN-48  
RELEASE  
G12132-7-073273  
25-00-00

7.5A, PP9, EFN-91  
W/S WIPER-1  
G12132-5-074280B2  
30-42-00

15A, PP9, EFN-93  
PWR OUTLET  
G12132-10-074280B2  
24-60-01

7.5A, PP9, EFN-45  
STROBE LT  
G12132-4-074280B2  
33-41-00

20A, PP9, EFN-95  
LANDING LT  
G12132-4-074280B2  
33-43-01

15A, PP9, EFN-97  
AC INVERTER  
G12132-10-074280B2  
24-22-00

2.5A, PP9, EFN-58  
EXT LOAD  
G12132-7-074280B2  
25-91-00

2.5A, PP9, EFN-70  
HOUR METER  
G12132-9-074280B2  
31-31-00

2.5A, PP9, EFN-N/A-1  
TURN&BANK  
G12132-10-074280B2  
34-26-03

10A, OP1, EFN-92  
SLING  
G12132-10-074280B2  
25-91-00

← FWD

Effectivity: AS350B2 Embodying  
Mod 350A07-4280



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	CHECKED	GA	DATE	8/15/13
	APPROVAL	CLB	DATE	8/15/13
	PRO NO.	GA107	SHT.	1

TITLE	CONSOLE BREAKER LAYOUT	
	P122 LEFT SIDE VIEW for AS350B2	
DWG NO	G12132-14-074280B2-P122	REV. --

REV	DESCRIPTION	DATE	APPROV.
	REVISION		

MS24659-23D  
**GEN ON / RESET**  
 G12132-3-074280B2, ESN-3

MS24658-23D  
**HYD TEST**  
 G12132-3-074280B2, ESN-11

MS27407-3  
**WARN/FIRE TEST**  
 G12132-3-074280B2, ESN-7

MS24523-26  
**CRANK ENGINE**  
 G12132-3-074280B2, ESN-5

MS24659-23D  
**MASTER CUTOFF**  
 G12132-2-074280B2, ESN-6

MS24523-23  
**PITOT HEAT**  
 G12132-5-074280B2, ESN-13

MS24659-23D  
**BAT-EXT PWR**  
 G12132-2-074280B2, ESN-1

MS24523-23  
**FUEL PUMP-1**  
 G12132-5-074280B2, ESN-2

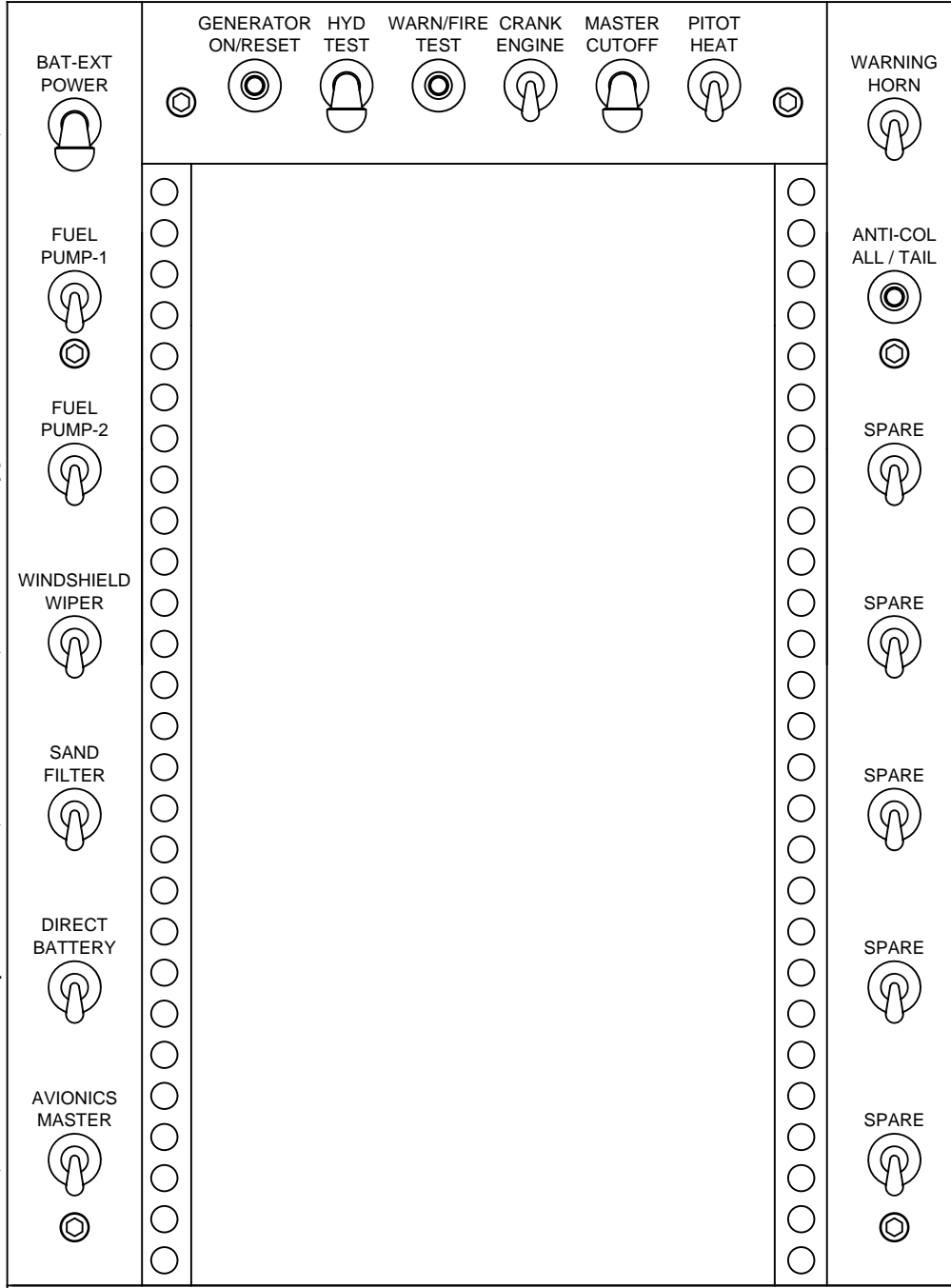
MS24523-23  
**FUEL PUMP-2**  
 G12132-5-074280B2, OP-3

MS24523-23  
**W/S WIPER**  
 G12132-5-074280B2, ESN-24

MS24524-23  
**SAND FILTER**  
 G12132-5-074280B2, ESN-21

MS24524-23  
**DIRECT BATT**  
 G12132-2-074280B2, OP-2

MS24524-23  
**AV MASTER**  
 G12132-5-074280B2, OP-1



MS24524-23  
**WARNING HORN**  
 G12132-3-074280B2, ESN-12

MS24524-21  
**ANTI-COL ALL / TAIL**  
 G12132-4-074280B2, ESN-9

MS24524-23  
**SPARE**  
 G12132-5-074280B2, ESN-14

MS24524-23  
**SPARE**  
 G12132-5-074280B2, ESN-15

MS24524-23  
**SPARE**  
 G12132-5-074280B2, ESN-10

MS24524-23  
**SPARE**  
 G12132-5-074280B2, ESN-17

MS24524-23  
**SPARE**  
 G12132-5-074280B2, ESN-18

Effectivity: AS350B2 embodying  
 Mod 350A07-4280

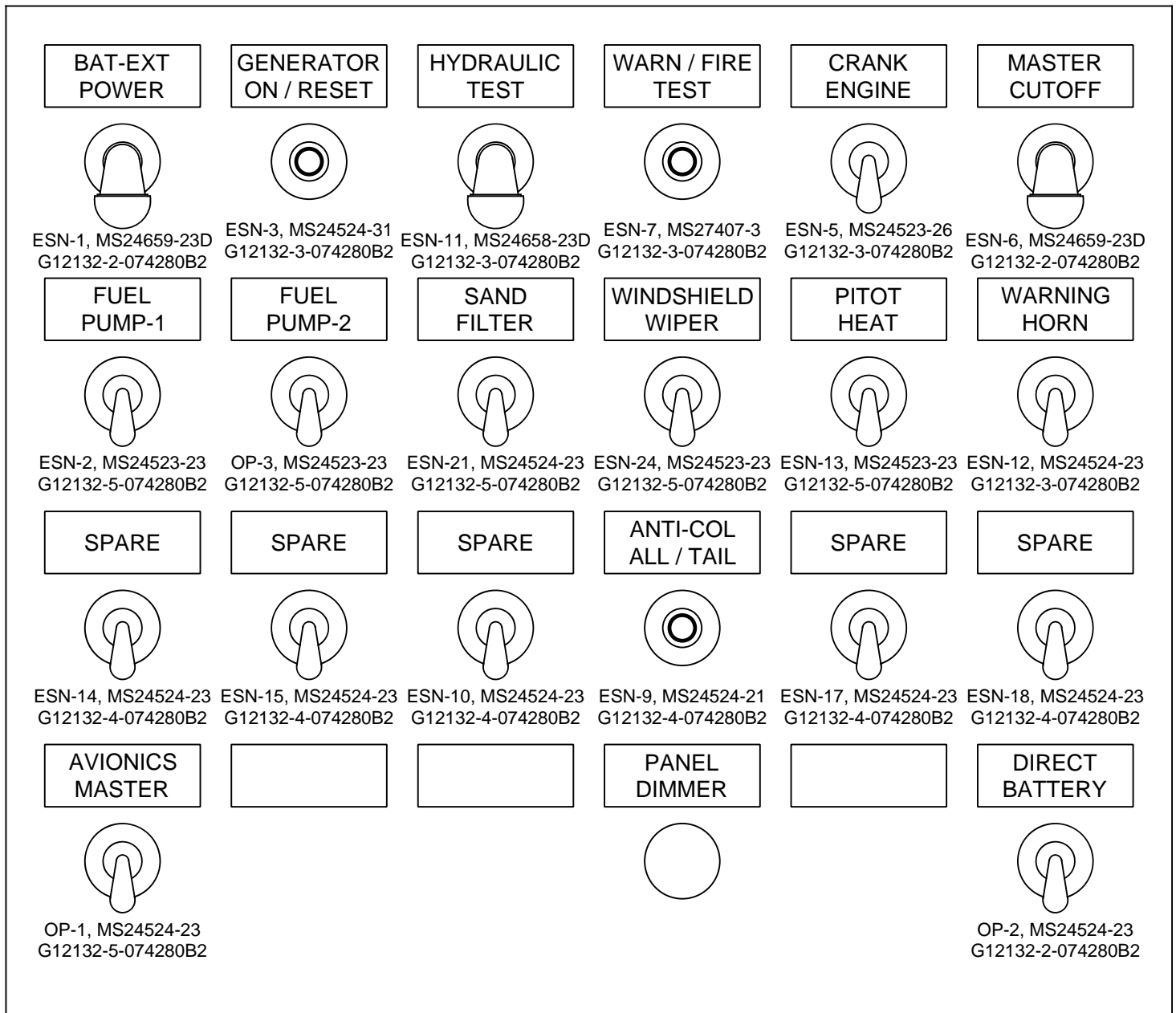


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	CHECKED	GA	DATE	8/15/13
	APPROVAL	CLB	DATE	8/15/13
	PRO NO.	GA107	SHT.	1

TITLE	CONSOLE SWITCH LAYOUT P132 TOP VIEW
DWG NO.	G12132-15-074280B2
REV.	--

REV	DESCRIPTION	DATE	APPROV.
	REVISION		

# P122 CONSOLE LAYOUT



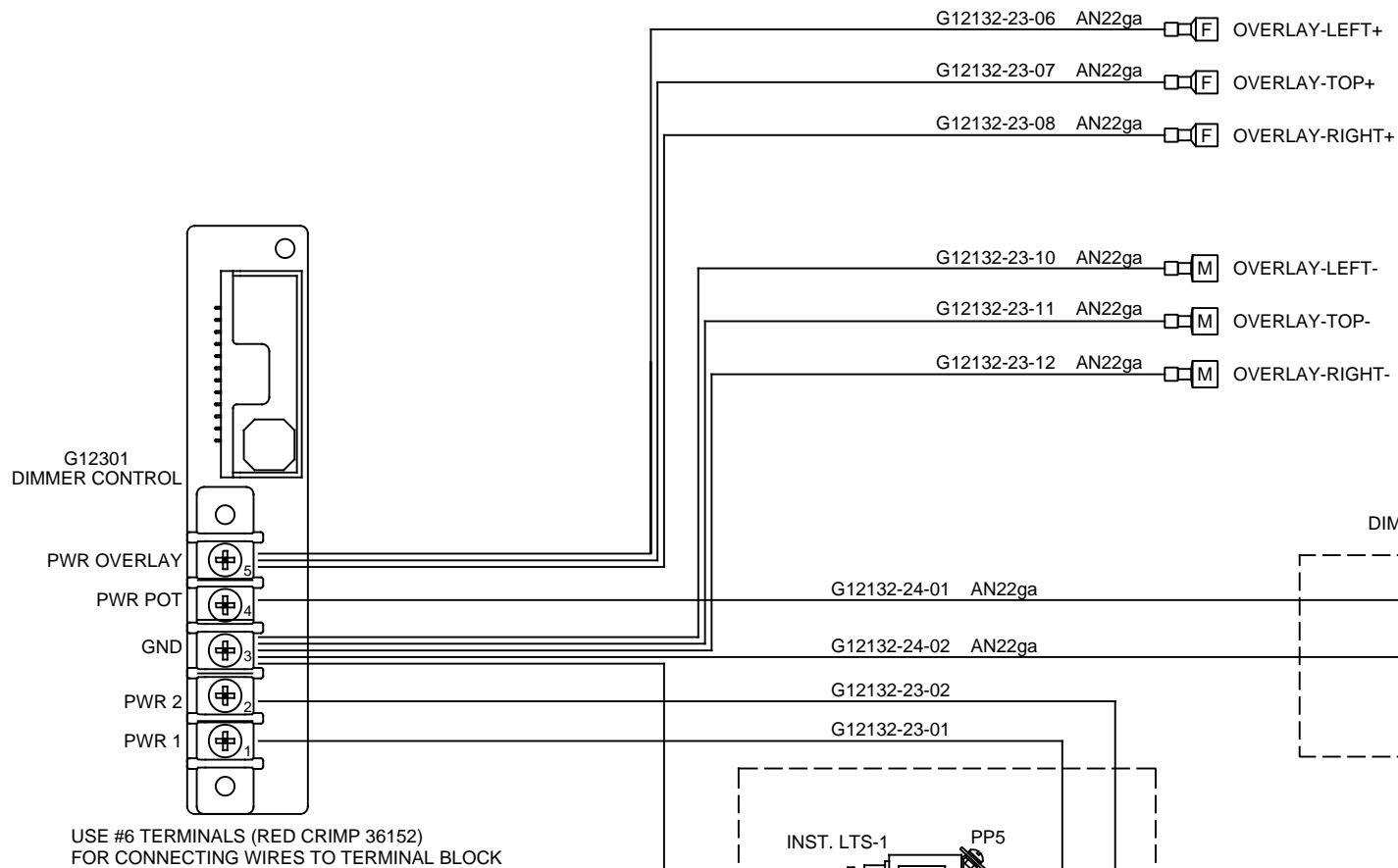
Effectivity: AS350B2 Embodying  
Mod 350A07-4280



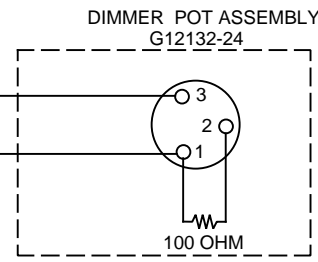
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	DRAWN	GA	DATE	8/15/13
	CHECKED	GA	DATE	8/15/13
	APPROVAL	CLB	DATE	8/15/13
	PRO NO.	GA107	SHT.	1

TITLE	CONSOLE SWITCH LAYOUT P122 TOP VIEW for AS350B2
DWG NO.	G12132-15-074280B2-P122
REV.	--

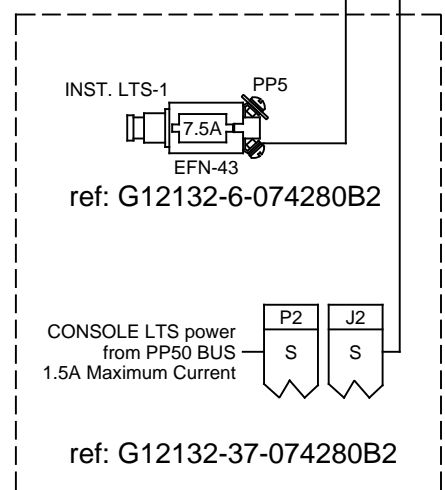
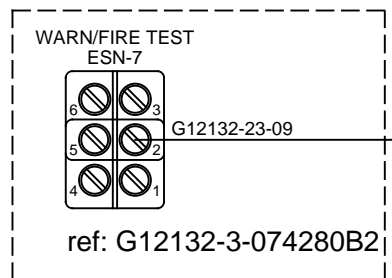
REV	DESCRIPTION	DATE	APROV.
	REVISION		



QUICK DISCONNECT, FULLY INSULATED  
 FEMALE: T&B 18RA-2577  
 MALE: T&B 18RA-251T



USE #6 TERMINALS (RED CRIMP 36152)  
 FOR CONNECTING WIRES TO TERMINAL BLOCK



# G12301 OVERLAY DIMMER CONTROL WIRING

Effectivity: AS350B2 embodying Mod 350A07-4280

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APPROV.
A	Changed Quick Disconnect Part Numbers	12/05/14	CLB
REVISION			



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DRAWN	GA	DATE	8/15/13
APPROVAL	CLB	DATE	8/15/13
PRO NO.	GA107	SHT.	1

TITLE	SWITCH LEGEND LIGHTING P132 and P122 CONSOLE WIRING		
DWG NO.	G12132-23-074280B2	REV.	A

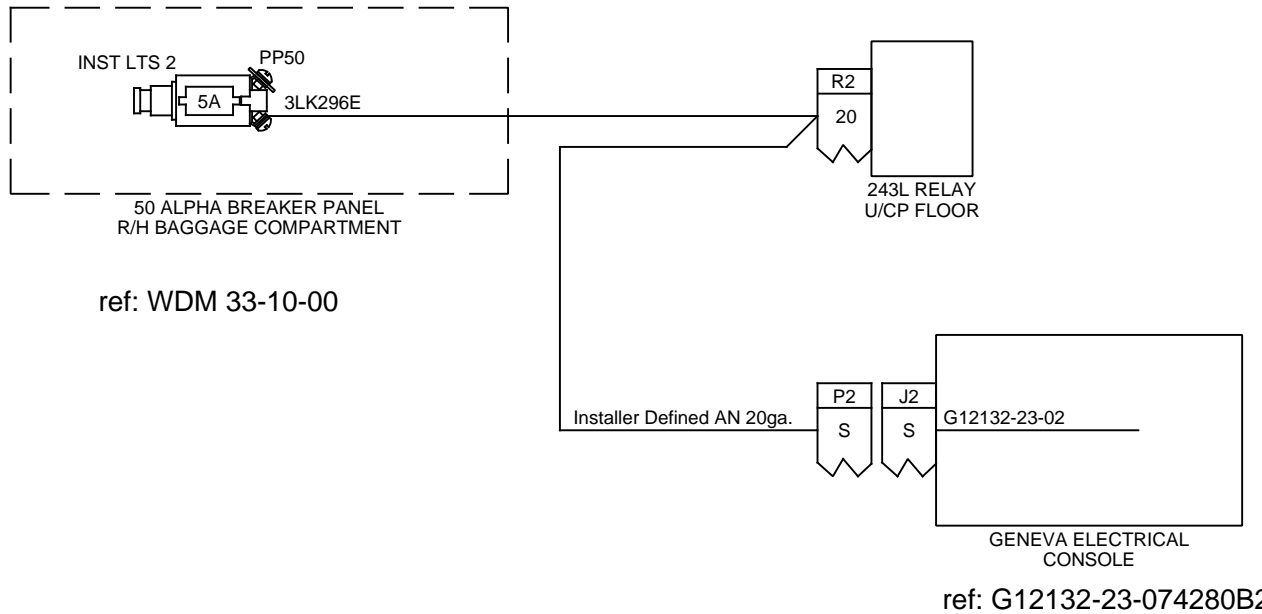
## CONSOLE BACKLIGHT POWER FROM PP50 BUS

For aircraft that embody mod 360A07-4280, the console backlight power supply pin J2:S must be connected to the PP50 bus through a circuit breaker of an appropriate current rating, 1.5A or greater.

Power may be supplied from the INST LTS. 2 breaker in the 50alpha breaker box in the R/H Baggage compartment via the 3LK296E wire at the 243L relay.


It is the installers responsibility to confirm the total current draw from both the instrument panel and console lights does not exceed the current rating of both the circuits and breaker.

The installer must label the added wiring with unique identifying marks and update the wiring diagrams to reflect the changes made.



Effectivity: AS350B2 embodying Mod 350A07-4280

SEE NOTES ON G12132-1

REV	DESCRIPTION	DATE	APROV.	 www.genevaaviation.com	THIS DRAWING INCLUDES INFORMATION PROPRIETARY TO GENEVA AVIATION AND SHALL NOT BE USED OR DUPLICATED BY ANYONE WITHOUT THE WRITTEN PERMISSION OF GENEVA AVIATION, INC.	DRAWN	GA	DATE	8/15/13	TITLE	07-4280 CONSOLE LIGHT EXTERNAL WIRING		
	REVISION					APPROVAL	CLB	DATE	8/15/13			DWG NO.	G12132-37-074280B2
						PRO NO.	GA107	SHT.	1				