

Temporary Maintenance Instruction TMI189-048

Left BL 550 aft longeron - Replacement (remove and install a new item)

SN 92003

The technical content of this document is approved under the authority of DOA nr. EASA.21J.005.

The present TMI will be evaluated for its introduction in the standard set of Technical Publication.

If no further notice is received, the present document expires on: June 8th 2024.

2023-06-08

Introduction

The purpose of this Temporary Maintenance Instruction is to give you the evidence of the new Procedure, applicable to Helicopter SN 92003, DM 89-A-53-33-05-00A-921A-D - Left BL 550 aft longeron - Replacement (remove and install a new item).

Left BL 550 aft longeron - Replacement (remove and install a new item)

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89-A-00-10-00-01A-010A-A	Helicopter customization [KC01] - General data
89-A-00-10-00-01A-028A-D	Corrosion control program - Corrosion severity of exposure - General
89-A-00-20-00-00A-120A-A	Helicopter safety - Pre-operation (make helicopter safe for maintenance)
89-A-07-11-00-00A-100A-A	Helicopter - Lift on jacks - Operation
89-A-20-00-00-00A-711A-A	Threaded fasteners - Tighten procedure
89-A-20-10-01-00A-259A-A	Ground connections - Other procedures to protect surfaces
89-A-20-10-07-00A-010A-A	Cable loom construction - General data
89-A-20-10-08-00A-010A-A	Cable stowage - General data
89-A-20-10-10-01A-520A-A	Relay - Remove procedure
89-A-20-10-10-01A-520B-A	Socket relay - Remove procedure
89-A-20-10-10-01A-720A-A	Relay - Install procedure
89-A-20-10-10-01A-720B-A	Socket relay - Install procedure
89-A-20-20-00-00A-711A-A	Hose and tube fittings - Tighten procedure
89-A-20-30-00-00A-010A-A	Standard practices - Fuel system - General data
89-A-21-21-00-01A-051A-A	Forced ventilation system kit - Wiring diagram
89-A-21-40-00-00A-051A-A	Heating system - Wiring diagram
89-A-21-40-02-00A-520A-A	Number 1 shutoff valve - Remove procedure
89-A-21-40-02-00A-720A-A	Number 1 shutoff valve - Install procedure
89-A-21-40-05-00A-520A-A	Number 1 check valve - Remove procedure
89-A-21-40-05-00A-720A-A	Number 1 check valve - Install procedure
89-A-21-40-09-00A-520A-A	Jet pump - Remove procedure
89-A-21-40-09-00A-720A-A	Jet pump - Install procedure
89-A-23-14-01-00A-520A-A	V/UHF transceiver - Remove procedure
89-A-23-14-01-00A-720A-A	V/UHF transceiver - Install procedure
89-A-23-14-04-00A-520A-A	V/UHF logic converter unit - Remove procedure
89-A-23-14-04-00A-720A-A	V/UHF logic converter unit - Install procedure
89-A-23-32-00-00A-051A-A	Cabin loudspeaker system - Wiring diagram
89-A-23-53-00-00A-051A-A	Cabin audio system kit - Wiring diagram
89-A-24-00-00-00A-051A-A	Electrical power - Wiring diagram
89-A-24-21-00-01A-051A-A	AC main generation - Wiring diagram
89-A-24-21-00-02A-051A-A	AC main generation - Emergency generation - Wiring diagram

Table 1 References

Data Module	Title
89-A-24-31-00-00A-051A-A	DC main generation system - Wiring diagram
89-A-24-41-00-00A-051A-A	External power system - Wiring diagram
89-A-24-51-00-01A-051A-A	AC electrical load distribution system variant - Wiring diagram
89-A-24-51-02-00A-520A-A	APU power distribution unit (APU PDU) - Remove procedure
89-A-24-51-02-00A-720A-A	APU power distribution unit (APU PDU) - Install procedure
89-A-24-51-03-00A-520A-A	Number 1 AC generator power distribution unit (AC PDU PWR1) - Remove procedure
89-A-24-51-03-00A-720A-A	Number 1 AC generator power distribution unit (AC PDU PWR1) - Install procedure
89-A-24-63-00-00A-051A-A	Utility socket kit - Wiring diagram
89-A-24-81-00-00A-051A-A	Solid state electrical plant management system (SSEPMS) - Wiring diagram
89-A-24-81-00-01A-051A-A	SSEPMS - Electrical control display units (ECDUs) - Wiring diagram
89-A-24-81-07-00A-520A-A	Number 3 remote electric power unit (REPU3) - Remove procedure
89-A-24-81-07-00A-720A-A	Number 3 remote electric power unit (REPU3) - Install procedure
89-A-25-20-00-00A-028A-A	Passengers compartment - General
89-A-25-80-00-00A-010A-A	Insulation and lining - General data
89-A-26-00-00-00A-051A-A	Fire protection - Wiring diagram
89-A-26-11-01-00A-520A-A	Number 1 engine sensing element - Remove procedure
89-A-26-11-01-00A-720A-A	Number 1 engine sensing element - Install procedure
89-A-26-13-00-00A-051A-A	Baggage compartment smoke detection system - Wiring diagram
89-A-26-14-00-00A-051A-A	Auxiliary power unit fire detection installation - Wiring diagram
89-A-28-21-00-00A-051A-A	Fuel distribution installation - Wiring diagram
89-A-28-21-03-00A-520A-A	Number 1 manifold - Remove procedure
89-A-28-21-03-00A-720A-A	Number 1 manifold - Install procedure
89-A-28-21-07-00A-520A-A	Number 2 manifold - Remove procedure
89-A-28-21-07-00A-720A-A	Number 2 manifold - Install procedure
89-A-29-10-00-00A-051A-A	Main hydraulic system - Wiring diagram
89-A-29-11-00-00A-051A-A	Number 1 main hydraulic system - Wiring diagram
89-A-30-21-00-00A-051A-A	Air intakes ice protection system - Wiring diagram

Table 1 References

Data Module	Title
89-A-30-21-00-01B-051A-A	Air intakes ice protection system (without ECS) - Wiring diagram
89-A-30-31-00-00A-051A-A	Pitot tube heating system - Wiring diagram
89-A-30-62-00-00A-051A-A	FIPS - Windshield heating system - Wiring diagram
89-A-30-63-00-00A-051A-A	FIPS - Ice detection system - Wiring diagram
89-A-31-33-00-00A-051A-A	Digital video-audio recorder (SAAB) system kit - Wiring diagram
89-A-31-33-02-00A-520A-A	Digital recorder unit - Remove procedure
89-A-31-33-02-00A-720A-A	Digital recorder unit - Install procedure
89-A-33-11-00-01A-051A-A	Cockpit lighting system - Backlight dimming and distribution - Wiring diagram
89-A-33-13-01-00A-520A-A	Forward baggage compartment light - Remove procedure
89-A-33-13-01-00A-720A-A	Forward baggage compartment light - Install procedure
89-A-33-14-00-00A-051A-A	Spot utility light system - Wiring diagram
89-A-33-61-00-00A-051A-A	Main rotor tip light system kit - Wiring diagram
89-A-34-22-00-00A-051A-A	Attitude heading reference system - Wiring diagram
89-A-34-54-00-00A-051A-A	Number 1 Global Positioning System (GPS) - Wiring diagram
89-A-34-54-01-00A-520A-A	Number 1 GPS receiver - Remove procedure
89-A-34-54-01-00A-720A-A	Number 1 GPS receiver - Install procedure
89-A-34-56-00-00A-051A-A	Number 3 GPS antenna system kit - Wiring diagram
89-A-34-57-01-00B-520A-A	AIS transponder - Remove procedure
89-A-34-57-01-00B-720A-A	AIS transponder - Install procedure
89-A-46-32-01-00A-520A-A	Number 1 interface unit - Remove procedure
89-A-46-32-01-00A-720A-A	Number 1 interface unit - Install procedure
89-A-46-32-02-00A-520A-A	Number 2 interface unit - Remove procedure
89-A-46-32-02-00A-720A-A	Number 2 interface unit - Install procedure
89-A-46-32-03-00A-520A-A	Cabin PC - Remove procedure
89-A-46-32-03-00A-720A-A	Cabin PC - Install procedure
89-A-46-32-04-00A-520A-A	Keyboard - Remove procedure
89-A-46-32-04-00A-720A-A	Keyboard - Install procedure
89-A-46-32-05-00A-520A-A	Number 1 mission display group - Remove procedure

Table 1 References

Data Module	Title
89-A-46-32-05-00A-720A-A	Number 1 mission display group - Install procedure
89-A-46-32-06-00A-520A-A	Number 2 mission display group - Remove procedure
89-A-46-32-06-00A-720A-A	Number 2 mission display group - Install procedure
89-A-46-32-07-00A-921A-A	Number 1 HDMI cable - Replacement (remove and install a new item)
89-A-46-32-08-00A-921A-A	Number 2 HDMI cable - Replacement (remove and install a new item)
89-A-49-11-01-00A-520A-A	Auxiliary power unit - Remove procedure
89-A-49-11-01-00A-720A-A	Auxiliary power unit - Install procedure
89-A-49-31-00-00A-051A-A	APU engine fuel and control installation - Wiring diagram
89-A-52-70-00-00A-051A-A	Door warning - Wiring diagram
89-A-53-14-01-00A-520A-A	Right stowage tray - Remove procedure
89-A-53-14-01-00A-720A-A	Right stowage tray - Install procedure
89-A-53-14-02-00A-520A-A	Left stowage tray - Remove procedure
89-A-53-14-02-00A-720A-A	Left stowage tray - Install procedure
89-A-53-14-05-00A-520A-A	Separation panel - Remove procedure
89-A-53-14-05-00A-720A-A	Separation panel - Install procedure
89-A-53-14-06-00A-520A-A	Cover panel - Remove procedure
89-A-53-14-06-00A-720A-A	Cover panel - Install procedure
89-A-53-40-01-00A-520A-A	Tail section (system components installed) - Remove procedure
89-A-53-40-01-00A-720A-A	Tail section (system components installed) - Install procedure
89-A-55-11-01-00A-520A-A	Tail plane - Remove procedure
89-A-55-11-01-00A-720A-A	Tail plane - Install procedure
89-A-62-22-00-00A-520A-A	Main rotor head - Remove procedure
89-A-62-22-00-00A-720A-A	Main rotor head - Install procedure
89-A-63-20-00-00A-520A-A	Main gearbox group - Remove procedure
89-A-63-20-00-00A-720A-A	Main gearbox group - Install procedure
89-A-63-51-00-00A-051A-A	Rotor brake system - Wiring diagram
89-A-63-51-12-00A-520A-A	Rotor brake disc cover - Remove procedure
89-A-63-51-12-00A-720A-A	Rotor brake disc cover - Install procedure
89-A-71-01-01-00A-520A-A	Number 1 engine - Remove procedure
89-A-71-01-01-00A-720A-A	Number 1 engine - Install procedure

Table 1 References

Data Module	Title
89-A-71-01-02-00A-520A-A	Number 2 engine - Remove procedure
89-A-71-01-02-00A-720A-A	Number 2 engine - Install procedure
89-A-71-02-01-00A-520A-A	Number 1 lightning protection unit - Remove procedure
89-A-71-02-01-00A-720A-A	Number 1 lightning protection unit - Install procedure
89-A-71-11-02-00A-520A-A	Number 1 engine access door - Remove procedure
89-A-71-11-02-00A-720A-A	Number 1 engine access door - Install procedure
89-A-71-11-04-00A-520A-A	Aft sliding cowling - Remove procedure
89-A-71-11-04-00A-720A-A	Aft sliding cowling - Install procedure
89-A-71-11-06-00A-520A-A	Left air intake cowling - Remove procedure
89-A-71-11-06-00A-720A-A	Left air intake cowling - Install procedure
89-A-71-11-08-00C-520A-A	Left outboard air intake - Remove procedure
89-A-71-11-08-00C-720A-A	Left outboard air intake - Install procedure
89-A-71-11-10-00B-520A-A	Left inboard air intake - Remove procedure
89-A-71-11-10-00B-720A-A	Left inboard air intake - Install procedure
89-A-71-11-21-00A-520A-A	Engine access doors strut - Remove procedure
89-A-71-11-21-00A-720A-A	Engine access doors strut - Install procedure
89-A-71-11-22-00A-520A-A	Engine access doors lever assembly fittings - Remove procedure
89-A-71-11-22-00A-720A-A	Engine access doors lever assembly fittings - Install procedure
89-A-71-22-02-00A-520A-A	Number 1 engine inboard bracket - Remove procedure
89-A-71-22-02-00A-720A-A	Number 1 engine inboard bracket - Install procedure
89-A-71-32-01-01A-520A-A	Number 1 forward upper firewall - Remove procedure
89-A-71-32-01-01A-720A-A	Number 1 forward upper firewall - Install procedure
89-A-71-32-01-02A-520A-A	Number 1 forward lower firewall - Remove procedure
89-A-71-32-01-02A-720A-A	Number 1 forward lower firewall - Install procedure
89-A-71-32-03-00A-520A-A	Number 1 aft firewall - Remove procedure
89-A-71-32-03-00A-720A-A	Number 1 aft firewall - Install procedure
89-A-71-32-05-00A-520A-A	Auxiliary power unit firewall - Remove procedure
89-A-71-32-05-00A-720A-A	Auxiliary power unit firewall - Install procedure
89-A-76-11-00-01A-051A-A	Power control installation - Number 1 engine - Wiring diagram

Table 1 References

Data Module	Title
89-A-91-10-00-02A-051A-A	Helicopter customization [KC01] - Avionic installation variant - Wiring diagram
89-A-93-51-00-00A-051A-A	Thermal imaging (SAFIRE 380 HD) system kit - Wiring diagram
89-A-93-51-02-00A-520A-A	Hand control unit - Remove procedure
89-A-93-51-02-00A-720A-A	Hand control unit - Install procedure
89-A-97-53-00-00A-051A-A	Hoist video camera system kit - Wiring diagram
89-B-23-13-00-00A-051A-A	VHF/FM system kit - Wiring diagram
89-B-23-13-01-00A-520A-A	VHF/FM transceiver - Remove procedure
89-B-23-13-01-00A-720A-A	VHF/FM transceiver - Install procedure
89-B-23-16-00-00A-051A-A	Satellite communication (Flightcell DZMx) system kit - Wiring diagram
89-B-24-21-00-00A-051A-A	AC main generation system (FIPS) - Wiring diagram
89-B-24-21-07-00A-520A-A	AC generator control unit - Remove procedure
89-B-24-21-07-00A-720A-A	AC generator control unit - Install procedure
89-B-24-21-08-00A-520A-A	APU generator control unit - Remove procedure
89-B-24-21-08-00A-720A-A	APU generator control unit - Install procedure
89-B-24-21-10-00A-520A-A	APU power distribution unit (AC FIPS APU PDU) - Remove procedure
89-B-24-21-10-00A-720A-A	APU power distribution unit (AC FIPS APU PDU) - Install procedure
89-B-28-11-01-00A-520A-A	Number 1 tank - Remove procedure
89-B-28-11-01-00A-720A-A	Number 1 tank - Install procedure
89-B-31-31-00-00A-051A-A	Enhanced Airborne Flight Recorder (EAFR) system - Wiring diagram
89-B-33-12-00-01A-051A-A	Cabin lighting system - Fasten seat-belt - Wiring diagram
89-B-34-41-00-00A-051A-A	Weather radar (RDR-1500B) system kit - Wiring diagram
89-B-34-41-06-00A-520A-A	Radar interface unit - Remove procedure
89-B-34-41-07-00A-520A-A	Radar interface unit mounting tray - Remove procedure
89-B-34-41-07-00A-720A-A	Radar interface unit mounting tray - Install procedure
89-B-62-11-01-00A-520A-A	Main rotor blade - Remove procedure
89-B-62-11-01-00A-720A-A	Main rotor blade - Install procedure
89-D-33-12-00-00A-051A-A	Internal lights variant kit - Wiring diagram
CSPP-A-20-20-02-00A-663A-D	Tubes - Standard repair procedure

Table 1 References

Data Module	Title
CSPP-A-20-40-02-00A-920A-D	A900A and A960A anchor nuts - Replacement
CSRP-A-51-10-00-00A-028A-D	Damage assessment - General
CSRP-A-51-21-00-00A-028A-D	Surface treatments - General
CSRP-A-51-21-01-02A-257A-D	Polyurethane paint (MIL-C-83286 and MIL-PRF-85285) - Paint and apply marking
CSRP-A-51-21-05-00A-028A-D	Cleaning of structural parts - General

Table 2 Access points

Access Panel / Door Id	Data Module
168A, 228A, 228B, 228C, 451A, 461A, 471A	89-A-06-41-00-00A-010A-A

Table 3 Zones

Zone ID	Data Module
160, 190, 220, 460, 470	89-A-06-30-00-00A-010A-A

Preliminary Requirements

Required Conditions

Table 4 Required Conditions

Conditions	Data Module/Technical Publication
The helicopter must be safe for maintenance.	89-A-00-20-00-00A-120A-A
The helicopter must be lifted on jacks.	89-A-07-11-00-00A-100A-A
Applicability: P/N 4F5333A72051. Additional effectivity restrictions: 92003.	
Perform a complete damage assessment before repair execution.	CSRP-A-51-10-00-00A-028A-D
The repair area shall be cleaned before repair execution.	CSRP-A-51-21-05-00A-028A-D
Paint and primer shall be removed from the repair area.	CSRP-A-51-21-00-00A-028A-D

Table 4 Required Conditions

Conditions	Data Module/Technical Publication
The access doors/panels 168A, 228A, 228B, 228C, 451A, 461A and 471A must be opened/removed.	89-A-06-41-00-00A-010A-A

Support Equipment

Table 5 Support Equipment

Nomenclature	Identification No.	Qty
Platform	GG-01-00	1
Torque wrench	ZZ-00-00	1

Supplies

Table 6 Supplies

Nomenclature	Identification No.	Qty
Adhesive	C021	AR
Sealing compound	C031	AR
Sealing compound	C032	AR
Sealant	C142	AR
Conversion coating	C237	AR
Acrylic adhesive	C249	AR
Sealant	C465	AR
Tape	C530	AR
Corrosion inhibitor	C551	AR
Corrosion inhibitor	C661	AR

Spares

Table 7 Spares

Nomenclature	Identification No.	Qty	Effectivity
BL550 AFT LONGERON LH	4F5333A72051	1	
Standoff	A366A3E12C	1	
Anchor nut	AW001TL3A06T	1	
BRACKET, HEATING INTAKE	8G2140A00651	1	
BL550 FITTING OUTBD LHS SLOTTED	8G5333A28852	AR	
SHIM	8G5333A29252	AR	
DOUBLER	8G5333A29352	AR	

Table 7 Spares

Nomenclature	Identification No.	Qty	Effectivity
BL-550 STRAP	8G5300A01351	AR	
ENGINE FLOOR LHS	8G5333A09852	1	
ENGINE FLOOR LHS	8G5333A09852D	1	Alternative
DISCONNECT BRACKET	8G5333A10951	AR	
Standoff	A388A3E12C	1	
Standoff	A366A3E08C75	1	
CLAMP HINGED SENSOR	7C31-1AA	AR	
LEFT ANGLE	4F7130A15351	AR	
STA 5700 DECK JOINT PLATE LHS	8G5333A09451	AR	
STA5700 UPPER EXTERNAL STRAP LH	8G5300A02451	AR	
COVER FIREWALL LH	8G7130A00751	AR	
COVER PLATE LH INTAKE	4F7110A52151	AR	
MACHINED CORNER SUPPORT LH	4F7130A28352	AR	
HINGE COVER LH FWD	4F7130A20752	AR	
HINGE COVER LH AFT	4F7130A20952	AR	
WL2650 PLATE UPPER JOINT LHS	8G5333P03752	AR	
PLATE OUTBD	8G7130A11251	AR	
PLATE INBD	8G7130A11151	AR	
D1 DRAIN BRACKET ASSY	8G5333A50131	AR	
BRKT ASSY LH AFT	8G7130A00931	AR	
STRUT BRACKET LH FWD ASSY	8G7130A10731	AR	
REINFORCEMENT LHS	8G5333A13351	AR	
REINFORCEMENT LHS	8G5333A13351A	AR	Alternative
STA 6025 BULKHEAD LHS	4F5333A49253	AR	
STA 6025 BULKHEAD LHS	4F5333A49253A	AR	Alternative
STA6700 FRAME REINFORCEMENT	8G5333A49351	AR	
ANGLE	4F5333A23551	AR	
GROUND POINT	4F5315A19451	AR	
ENGINE LEFT REINFORCEMENT	8G5333A04851	AR	
STA 6422 JOINT UPPER LHS	4F5333A74851	AR	
STA 6422 JOINT LOWER LHS	4F5333A73051	AR	
WL 2470 REAR PANEL ASSY	8G5333A02131	AR	
STA 6422 HORIZONTAL PROFILE ASSY	8G5330A47531	AR	
PIPE ASSY	8G2820A01732	AR	

Table 7 Spares

Nomenclature	Identification No.	Qty	Effectivity
PIPE ASSY	8G2820A02131	AR	
PIPE ASSY	8G2820A03133	AR	
Fitting	A263A12	AR	
Rivet	A297A04TW01	AR	
Rivet	A297A04TW02	AR	
Rivet	A297A04TW03	AR	
Rivet	A297A05TW04	AR	
Rivet	A297A05TW05	AR	
Rivet	A298A04TW03	AR	
HI-LOK pin	HL10VR-6-7	AR	
HI-LOK pin	HL19PB-6-6	AR	
HI-LOK pin	HL19PB-6-8	AR	
HI-LOK pin	HL20PB-5-10	AR	
HI-LOK pin	HL20PB-5-12	AR	
HI-LOK pin	HL20PB-5-2	AR	
HI-LOK pin	HL20PB-5-3	AR	
HI-LOK pin	HL20PB-5-4	AR	
HI-LOK pin	HL20PB-5-5	AR	
HI-LOK pin	HL20PB-5-6	AR	
HI-LOK pin	HL20PB-5-7	AR	
HI-LOK pin	HL20PB-5-8	AR	
HI-LOK pin	HL20PB-5-9	AR	
HI-LOK pin	HL20PB-6-10	AR	
HI-LOK pin	HL20PB-6-11	AR	
HI-LOK pin	HL20PB-6-12	AR	
HI-LOK pin	HL20PB-6-4	AR	
HI-LOK pin	HL20PB-6-5	AR	
HI-LOK pin	HL20PB-6-6	AR	
HI-LOK pin	HL20PB-6-7	AR	
HI-LOK pin	HL20PB-6-8	AR	
HI-LOK pin	HL20PB-6-9	AR	
HI-LOK pin	HL20-PB8-9	AR	
HI-LOK pin	HL20-PB10-9	AR	
HI-LOK pin	HL64PB-6-6	AR	

Table 7 Spares

Nomenclature	Identification No.	Qty	Effectivity
HI-LOK pin	HL64PB-6-8	AR	
HI-LOK pin	HL64PB-6-10	AR	
HI-LOK pin	HL64-PB8-9	AR	
HI-LOK collar	HL75-5AW	AR	
HI-LOK collar	HL75-6AW	AR	
HI-LOK collar	HL75-8AW	AR	
HI-LOK collar	HL75-10AW	AR	
HI-LOK collar	HL82-6AW	AR	
Rivet	MS20426E5-8	AR	
Rivet	MS20427M4-5	AR	
Rivet	MS20470E5-7	AR	
Rivet	MS20470E5-7-5	AR	
Rivet	MS20470E5-8	AR	
Rivet	MS20615-5M6	AR	
Rivet	MS20615-5M7	AR	
Rivet	MS20615-5M8	AR	
Rivet	NAS1719H5L3A	AR	
Rivet	NAS1720C4L1P	AR	
Rivet	NAS1720C4L2P	AR	
Rivet	NAS1720C5L3P	AR	
Rivet	NAS1720C5L4P	AR	
Rivet	NAS1720C5L5P	AR	
Rivet	NAS1720C5L8P	AR	
Rivet	NAS1398C5	AR	Alternative
Rivet	NAS1720H5L2A	AR	
Rivet	NAS1720H5L3A	AR	
Rivet	NAS1720H5L4A	AR	
Rivet	NAS1720H5L5A	AR	
Rivet	NAS1720H5L6A	AR	
Rivet	NAS1720H5L8A	AR	
Rivet	NAS1721C4L2P	AR	
Rivet	NAS1721H5L4A	AR	
Rivet	NAS9307M-5-02	AR	
Rivet	NAS9307M-5-03	AR	

Table 7 Spares

Nomenclature	Identification No.	Qty	Effectivity
Rivet	NAS9307M-5-05	AR	
Nut plate	A900A3E2-02	AR	

Safety Conditions

WARNING

The materials that follow are dangerous. Before you do this procedure, make sure that you know all the safety precautions and first aid instructions for these materials:

- The **Adhesive (C021)**
- The **Sealing compound (C031)**
- The **Sealing compound (C032)**
- The **Conversion coating (C237)**
- The **Acrylic adhesive (C249)**
- The **Sealant (C465)**
- The **Corrosion inhibitor (C551)**
- The **Corrosion inhibitor (C661)** .

Procedure

- 1 During this procedure:
 - Put the applicable caps/plugs on all:
 - The electrical connectors
 - The line ends
 - The component ports.

Do this immediately before you connect each line or each electrical connector or install each item
 - Record the position and the quantity of the parts that attach each component before you remove it
 - Keep the attaching parts of each component together after the removal
 - Record the routing on which the harness, the tube or the hose is installed before you remove it
 - Record the position and the quantity of the spacers that are installed between the cable harnesses before you remove them
 - If it is feasible and less time consuming, it is possible to disconnect the entire connector and remove it from the left BL 550 aft longeron without remove all of the pins from it.
The feasibility study must be performed for each connector separately and for each route connected to the connector under study
 - Refer to [89-A-20-30-00-00A-010A-A](#) for fuel-system standard practices
 - Refer to [89-A-20-10-07-00A-010A-A](#) and [89-A-20-10-08-00A-010A-A](#) for the standard practices applicable to the cable harness
 - Refer to CSRP for all the operation on structural components

- Protect bare aluminium surfaces (manufactured items, sanded areas and cut edges) with [Conversion coating \(C237\)](#)
- During cutting/sanding operations take care not to damage surrounding items
- Break sharp edges with radius 0.13 thru 0.38 mm
- Deburr new fastener holes
- Select actual fastener grip at installation
- Unless differently specified, in the engine and the APU bays areas, install all the parts as follows:
 - Apply the [Sealing compound \(C032\)](#) to the mating surfaces between the components
 - For removable fasteners that have a standard torque value, apply the [Sealing compound \(C032\)](#) on the shank and under the head of the fasteners
 - For removable fasteners that do not have a standard torque value, apply the [Sealing compound \(C032\)](#) under the head of the fasteners
 - For fixed fasteners, apply the [Sealing compound \(C032\)](#) on the shank and under the head of the fasteners
- These procedures are not applicable to vendor components and to bonding areas
- Unless differently specified, in the high level exposure zones (refer to [89-A-00-10-00-01A-028A-D](#)), install all the structural brackets and vendor components as follows:
 - Apply the [Sealant \(C465\)](#) to the mating surfaces between the components
 - For removable fasteners that have a standard torque value, apply the [Sealant \(C465\)](#) on the shank and under the head of the fasteners
 - For removable fasteners that do not have a standard torque value, apply the [Sealant \(C465\)](#) under the head of the fasteners
 - For fixed fasteners, apply the [Sealant \(C465\)](#) on the shank and under the head of the fasteners
- Apply the [Sealant \(C465\)](#) to the contour of the components.
- These procedures are not applicable to bonding areas and to the fasteners installed on click bonds
- Unless differently specified, apply the [Corrosion inhibitor \(C551\)](#) on the exposed surface of the removable fasteners. This procedure is applicable with the condition that follows:
 - Removable fasteners installed in the engine and the APU bays areas
 - Removable fasteners that do not have a sealant protection
- Unless differently specified, apply the [Corrosion inhibitor \(C551\)](#) or the [Corrosion inhibitor \(C661\)](#) on the exposed surface of the removable fasteners. This procedure is applicable with the condition that follows:
 - Removable fasteners installed in the zones that follows:
 - In all levels direct exposure zones (refer to [89-A-00-10-00-01A-028A-D](#))
 - In medium level direct exposure zones (refer to [89-A-00-10-00-01A-028A-D](#)) without the engine and the APU bays areas
 - Removable fasteners that are not fully painted with polyurethane paint
- During the removal of the rivets, you must be careful to do not cause damages to the joined structures
- Rivet as indicated, if holes conditions are not suitable, contact the Design Authority.

- 2 Remove the necessary lining panels of the cabin and the baggage compartment to get access to the work area. Refer to [89-A-25-80-00-00A-010A-A](#).
- 3 Put the [Platform \(GG-01-00\)](#) adjacent to the left side of the fuselage.
- 4 Remove the aft sliding cowling. Refer to [89-A-71-11-04-00A-520A-A](#).
- 5 Remove the Number 2 engine. Refer to [89-A-71-01-02-00A-520A-A](#).
- 6 Remove the Number 1 engine access door. Refer to [89-A-71-11-02-00A-520A-A](#).
- 7 Remove the Number 1 engine. Refer to [89-A-71-01-01-00A-520A-A](#).
- 8 [K134] Remove the main rotor blades. Refer to [89-B-62-11-01-00A-520A-A](#).
- 9 Remove the main rotor head. Refer to [89-A-62-22-00-00A-520A-A](#).
- 10 Remove the main gearbox group. Refer to [89-A-63-20-00-00A-520A-A](#).
- 11 Remove the tail plane. Refer to [89-A-55-11-01-00A-520A-A](#).
- 12 Remove the tail section with the system components installed. Refer to [89-A-53-40-01-00A-520A-A](#).
- 13 Remove the left-engine access-doors struts. Refer to [89-A-71-11-21-00A-520A-A](#).
- 14 Remove the left-engine access-doors lever-assembly fittings. Refer to [89-A-71-11-22-00A-520A-A](#).
- 15 Remove the Number 1 engine inboard-bracket. Refer to [89-A-71-22-02-00A-520A-A](#).
- 16 Remove the Number 1 engine-sensing element. Refer to [89-A-26-11-01-00A-520A-A](#).
- 17 Remove the Number 1 shutoff valve. Refer to [89-A-21-40-02-00A-520A-A](#).
- 18 Remove the Number 1 check valve. Refer to [89-A-21-40-05-00A-520A-A](#).
- 19 Remove the left-air intake cowling. Refer to [89-A-71-11-06-00A-520A-A](#).
- 20 Remove the left-outboard air intake. Refer to [89-A-71-11-08-00C-520A-A](#).
- 21 Remove the left-inboard air intake. Refer to [89-A-71-11-10-00B-520A-A](#).
- 22 Remove the auxiliary power unit. Refer to [89-A-49-11-01-00A-520A-A](#).
- 23 Remove the auxiliary power unit firewall. Refer to [89-A-71-32-05-00A-520A-A](#).
- 24 Remove the Number 1 forward-upper firewall. Refer to [89-A-71-32-01-01A-520A-A](#).
- 25 Remove the Number 1 forward-lower firewall. Refer to [89-A-71-32-01-02A-520A-A](#).

- 26 Remove the Number 1 aft firewall. Refer to [89-A-71-32-03-00A-520A-A](#).
- 27 Remove the rotor-brake disc cover. Refer to [89-A-63-51-12-00A-520A-A](#).
- 28 Remove the Number 1 lightning-protection unit. Refer to [89-A-71-02-01-00A-520A-A](#).
- 29 Get access to the cabin.
- 30 Remove all the cabin seats to prevent damage to them. For the applicable seat configuration refer to [89-A-25-20-00-00A-028A-A](#).
- 31 Remove the Number 1 mission-display group. Refer to [89-A-46-32-05-00A-520A-A](#).
- 32 Remove the Number 2 mission-display group. Refer to [89-A-46-32-06-00A-520A-A](#).
- 33 Remove the keyboards. Refer to [89-A-46-32-04-00A-520A-A](#) and to [89-A-00-10-00-01A-010A-A](#).
- 34 Remove the hand control units. Refer to [89-A-93-51-02-00A-520A-A](#) and to [89-A-00-10-00-01A-010A-A](#).
- 35 Remove the VHF/FM transceiver. Refer to [89-B-23-13-01-00A-520A-A](#).
- 36 Remove the right stowage tray. Refer to [89-A-53-14-01-00A-520A-A](#).
- 37 Remove the left stowage tray. Refer to [89-A-53-14-02-00A-520A-A](#).
- 38 Get access to the baggage compartment.
- 39 Remove the separation panel. Refer to [89-A-53-14-05-00A-520A-A](#).
- 40 Remove the radar interface unit. Refer to [89-B-34-41-06-00A-520A-A](#).
- 41 Remove the radar-interface unit-mounting tray. Refer to [89-B-34-41-07-00A-520A-A](#).
- 42 Remove the Number 1 interface unit. Refer to [89-A-46-32-01-00A-520A-A](#).
- 43 Remove the Number 2 interface unit. Refer to [89-A-46-32-02-00A-520A-A](#).
- 44 Remove the cabin PC. Refer to [89-A-46-32-03-00A-520A-A](#).
- 45 Remove the AC-generator control unit. Refer to [89-B-24-21-07-00A-520A-A](#).
- 46 Remove the V/UHF transceiver. Refer to [89-A-23-14-01-00A-520A-A](#).
- 47 Remove the AIS transponder. Refer to [89-A-34-57-01-00B-520A-A](#).
- 48 Remove the V/UHF logic converter unit. Refer to [89-A-23-14-04-00A-520A-A](#).

- 49 Remove the Number 1 GPS receiver. Refer to [89-A-34-54-01-00A-520A-A](#).
- 50 Remove the digital recorder unit. Refer to [89-A-31-33-02-00A-520A-A](#).
- 51 Remove the APU power-distribution unit (AC FIPS APU PDU). Refer to [89-B-24-21-10-00A-520A-A](#).
- 52 Remove the forward baggage-compartment light. Refer to [89-A-33-13-01-00A-520A-A](#).
- 53 Remove the auxiliary-centre aft shelf P/N 8G5315A14631 (refer to [Figure 7](#)) as follows:
- 53.1 Record the position of all the cable assemblies on the auxiliary-centre aft shelf P/N 8G5315A14631.
- 53.2 For each cable assembly, record the position of the attaching parts on the related cable assembly.
- 53.3 Remove the parts that attach the cable assemblies to the auxiliary-centre aft shelf P/N 8G5315A14631.
- 53.4 Carefully stow the free cable assemblies in an applicable position.
- 53.5 Remove the 24 screws and the 24 washers that attach the auxiliary-centre aft shelf P/N 8G5315A14631 to the adjacent structures.
- 53.6 Carefully remove the auxiliary-centre aft shelf P/N 8G5315A14631 from the adjacent structure. Make sure that you do not cause damage to the components installed on the auxiliary-centre aft shelf P/N 8G5315A14631.
- 54 Remove the cover panel. Refer to [89-A-53-14-06-00A-520A-A](#).
- 55 Remove the Number 1 manifold. Refer to [89-A-28-21-03-00A-520A-A](#).
- 56 Remove the Number 2 manifold. Refer to [89-A-28-21-07-00A-520A-A](#).
- 57 Get access to the left aft part of the STA 6700 frame.
- 58 Disconnect these electrical connectors from the related mating connectors:
- The electrical connector P213
 - The electrical connector P215
 - The electrical connector P217
 - The electrical connector P219
 - The electrical connector P245
 - The electrical connector P269.
- 59 Get access to the left forward part of the STA 6700 frame.
- 60 Remove the parts that attach these electrical connectors to the structure:
- The electrical connector J213
 - The electrical connector J215
 - The electrical connector J217

- The electrical connector J219
- The electrical connector J245
- The electrical connector J269.

Then, move the electrical connectors away from the structure.

- 61 Remove the REPU 1,2,3 CONTL AND COM C/A (B1A229) P/N 4F9B11A22902 (refer to [Figure 1](#)) as follows:
- 61.1 Disconnect the two terminal lugs (Q3JB1) from the REPU3. Refer to the applicable steps of [89-A-24-81-07-00A-520A-A](#), [89-A-24-81-00-00A-051A-A](#) and to the Sheet 4 of [Figure 1](#).
- 61.2 Record the position of all the clamps on the REPU 1,2,3 CONTL AND COM C/A (B1A229) P/N 4F9B11A22902.
- 61.3 Remove the parts that attach the clamps that hold the REPU 1,2,3 CONTL AND COM C/A (B1A229) P/N 4F9B11A22902.
- 61.4 Carefully remove the REPU 1,2,3 CONTL AND COM C/A (B1A229) P/N 4F9B11A22902 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 62 Remove the REPU 1,2,3 CONTL AND COM C/A (B1A251) P/N 4F9B11A25102 (refer to [Figure 1](#)) as follows:
- 62.1 Disconnect the two terminal lugs (Q3JA1) from the REPU3. Refer to the applicable steps of [89-A-24-81-07-00A-520A-A](#), [89-A-24-81-00-00A-051A-A](#) and to the Sheet 4 of [Figure 1](#).
- 62.2 Record the position of all the clamps on the REPU 1,2,3 CONTL AND COM C/A (B1A251) P/N 4F9B11A25102.
- 62.3 Remove the parts that attach the clamps that hold the REPU 1,2,3 CONTL AND COM C/A (B1A251) P/N 4F9B11A25102.
- 62.4 Carefully remove the REPU 1,2,3 CONTL AND COM C/A (B1A251) P/N 4F9B11A25102 from all the retaining clamps until it can be removed.
- 63 Remove the LEFT UP FWD FUSELAGE C/A (B1A1) P/N 8G9B11A00102 and P/N 8G9B11A00103 (refer to [Figure 1](#)) as follows:
- 63.1 The LEFT UP FWD FUSELAGE C/A (B1A1) P/N 8G9B11A00102 and P/N 8G9B11A00103 include the following cable assemblies:
- The VENTILATION FOR ECS C/A (B1A101) P/N 4F9B01A10104
 - The HEATING FOR ECS C/A (B1A103) P/N 4F9B01A10304
 - The AFCS C/A (B1A105) P/N 4F9B01A10503
 - The ENGINE FIRE DET AND EXT C/A (B1A135) P/N 4F9B01A13503
 - The BAGGAGE FIRE DETECTION C/A (B1A137) P/N 4F9B01A13703
 - The HYDRAULIC (MAIN) C/A (B1A141) P/N 4F9B01A14103
 - The HYDRAULIC (PCM 1) C/A (B1A143) P/N 4F9B01A14303
 - The HYDRAULIC (PCM 2) C/A (B1A147) P/N 4F9B01A14703

- The CVFDR (FLIGHT DATA RECORDER) C/A (B1A151) P/N 4F9B01A15103
- The DOORS WARNING C/A (B1A169) P/N 4F9B01A16903
- The MGB MONITORING C/A (B1A171) P/N 4F9B01A17103
- The ROTOR BRAKE C/A (B1A173) P/N 4F9B01A17303
- The COCKPIT LIGHTING C/A (B1A189) P/N 4F9B01A18901
- The BACKLIGHT DIMMING DISTN C/A (B1A191) P/N 4F9B01A19102
- The APU FIRE DET AND EXT C/A (B1A199) P/N 4F9B01A19902
- The AC MAIN GENERATION C/A (B1A201) P/N 4F9B01A20101
- The DC MAIN GENERATION C/A (B1A203) P/N 4F9B01A20301
- The AC EMERGENCY GENERATION C/A (B1A219) P/N 4F9B01A21901
- The ECDU 1/2 C/A (B1A231) P/N 4F9B01A23102
- The AC/DC EXT PWR C/A (B1A233) P/N 4F9B01A23301
- The EPGDS MONITORING C/A (B1A237) P/N 4F9B01A23702
- The FUEL GAUGING AND PROBES C/A (B1A239) P/N 4F9B01A23902
- The FUEL MANIFOLD CONTROL C/A (B1A241) P/N 4F9B01A24103
- The PITOT HEATING C/A (B1A243) P/N 4F9B01A24302
- The APU CNTRL - STARTING C/A (B1A245) P/N 4F9B01A24502
- The REPU 1,2,3 CONTL AND COM C/A (B1A246) P/N 4F9B01A24602
- The EMERGENCY LIGHTING C/A (B1A267) P/N 4F9B01A26701
- The HYDRAULIC (PCM 1) C/A (B1A143) P/N 8G9B01A14301
- The DC MAIN GENERATION C/A (B1A184) P/N 8G9B01A18401
- The ENGINE 1 CTRL AND IND C/A (B1A235) P/N 8G9B01A23501
- The ENG AIR INTAKE PROTECT CTR C/A (B1A285) P/N 8G9B01A28501
- The ENG AIR INTAKE PROTECT PWR C/A (B1A322) P/N 8G9B01A32201.

Make sure that you remove the correct cable assemblies.

63.2 Carefully disconnect the pins of the LEFT UP FWD FUSELAGE C/A (B1A1) P/N 8G9B11A00102 and P/N 8G9B11A00103 from the electrical connector J213. Refer to:

- [89-A-21-40-00-00A-051A-A](#)
- [89-A-24-00-00-00A-051A-A](#)
- [89-A-24-21-00-02A-051A-A](#)
- [89-A-24-31-00-00A-051A-A](#)
- [89-A-24-81-00-00A-051A-A](#)
- [89-A-24-81-00-01A-051A-A](#)
- [89-A-26-00-00-00A-051A-A](#)
- [89-A-26-13-00-00A-051A-A](#)
- [89-A-26-14-00-00A-051A-A](#)
- [89-A-28-21-00-00A-051A-A](#)

- [89-A-29-10-00-00A-051A-A](#)
- [89-A-29-11-00-00A-051A-A](#)
- [89-A-30-21-00-00A-051A-A](#)
- [89-A-30-31-00-00A-051A-A](#)
- [89-A-33-11-00-01A-051A-A](#)
- [89-A-49-31-00-00A-051A-A](#)
- [89-A-52-70-00-00A-051A-A](#)
- [89-B-31-31-00-00A-051A-A.](#)

63.3 Carefully disconnect the pins of the LEFT UP FWD FUSELAGE C/A (B1A1) P/N 8G9B11A00102 and P/N 8G9B11A00103 from the electrical connector J215. Refer to:

- [89-A-24-21-00-01A-051A-A](#)
- [89-A-24-41-00-00A-051A-A](#)
- [89-A-26-00-00-00A-051A-A](#)
- [89-A-49-31-00-00A-051A-A](#)
- [89-B-31-31-00-00A-051A-A.](#)

63.4 Get access to the upper deck.

63.5 Carefully disconnect the pins of the LEFT UP FWD FUSELAGE C/A (B1A1) P/N 8G9B11A00102 and P/N 8G9B11A00103 from the electrical connector MG1J2. Refer to [89-A-49-31-00-00A-051A-A](#).

63.6 Get access to the electrical connector A81P1 through the opening of the access panel 228B.

63.7 Carefully disconnect the pins of the LEFT UP FWD FUSELAGE C/A (B1A1) P/N 8G9B11A00102 and P/N 8G9B11A00103 from the electrical connector A81P1. Refer to:

- [89-A-21-40-00-00A-051A-A](#)
- [89-A-24-00-00-00A-051A-A](#)
- [89-A-24-21-00-02A-051A-A](#)
- [89-A-24-41-00-00A-051A-A](#)
- [89-A-49-31-00-00A-051A-A.](#)

63.8 Carefully disconnect the pins of the LEFT UP FWD FUSELAGE C/A (B1A1) P/N 8G9B11A00102 and P/N 8G9B11A00103 from the electrical connector J245. Refer to:

- [89-A-26-00-00-00A-051A-A](#)
- [89-A-26-14-00-00A-051A-A](#)
- [89-A-63-51-00-00A-051A-A.](#)

63.9 Record the position of all the clamps on the LEFT UP FWD FUSELAGE C/A (B1A1) P/N 8G9B11A00102 and P/N 8G9B11A00103.

- 63.10 Remove the parts that attach the clamps that hold the LEFT UP FWD FUSELAGE C/A (B1A1) P/N 8G9B11A00102 and P/N 8G9B11A00103.
- 63.11 Carefully remove the LEFT UP FWD FUSELAGE C/A (B1A1) P/N 8G9B11A00102 and P/N 8G9B11A00103 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 64 Remove the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102 (refer to [Figure 1](#)) as follows:
- 64.1 The LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102 includes the following cable assemblies:
- The AFCS C/A (B2A101) P/N 4F9B02A10103
 - The AFCS PLT/CPLT CAN C/A (B2A111) P/N 4F9B02A11102
 - The HYDRAULIC (PCM 1) C/A (B2A113) P/N 4F9B02A11303
 - The CVFDR (FLIGHT DATA RECORDER) C/A (B2A115) P/N 4F9B02A11503
 - The GPS 1/2 C/A (B2A119) P/N 4F9B02A11903
 - The MGB MONITORING C/A (B2A121) P/N 4F9B02A12103
 - The AHRS 1/2 C/A (B2A131) P/N 4F9B02A13103
 - The AC MAIN GENERATION C/A (B2A133) P/N 4F9B02A13301
 - The AC EMERGENCY GENERATION C/A (B2A135) P/N 4F9B02A13501
 - The EPGDS MONITORING C/A (B2A141) P/N 4F9B02A14102
 - The FUEL MANIFOLD CONTROL C/A (B2A143) P/N 4F9B02A14303
 - The DC MAIN GENERATION C/A (B2A145) P/N 4F9B02A14501
 - The AC/DC EXT PWR C/A (B2A134) P/N 8G9B02A13401
 - The ENGINE 1 CTRL AND IND C/A (B2A137) P/N 8G9B02A13701
 - The ENGINE 2 CTRL AND IND C/A (B2A139) P/N 8G9B02A13901
 - The ICS DACS C/A (B2A153) P/N 8G9B02A15301
 - The ENG AIR INTAKE PROTECT CTR C/A (B2A189) P/N 8G9B02A18901.
- Make sure that you remove the correct cable assemblies.
- 64.2 Carefully disconnect the pins of the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102 from the electrical connector J217. Refer to:
- [89-A-24-21-00-01A-051A-A](#)
 - [89-A-24-31-00-00A-051A-A](#)
 - [89-A-34-22-00-00A-051A-A](#)
 - [89-A-34-54-00-00A-051A-A](#)
 - [89-B-31-31-00-00A-051A-A](#).
- 64.3 Carefully disconnect the pins of the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102 from the electrical connector J219. Refer to:
- [89-A-24-00-00-00A-051A-A](#)

- [89-A-76-11-00-01A-051A-A](#).

- 64.4 Carefully disconnect the pins of the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102 from the electrical connector J219. Refer to [89-A-24-21-00-01A-051A-A](#).
- 64.5 Get access to the electrical connector A81P1 through the opening of the access panel 228B.
- 64.6 Carefully disconnect the pins of the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102 from the electrical connector A81P1. Refer to [89-A-24-21-00-02A-051A-A](#).
- 64.7 Carefully disconnect the pins of the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102 from the relay socket K221P1. Refer to:
- [89-A-24-41-00-00A-051A-A](#)
 - [89-A-76-11-00-01A-051A-A](#).
- 64.8 Carefully disconnect the pins of the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102 from the relay socket K223P1. Refer to:
- [89-A-24-41-00-00A-051A-A](#)
 - [89-A-76-11-00-01A-051A-A](#).
- 64.9 Carefully disconnect the pins of the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102 from the electrical connector J257A. Refer to:
- [89-A-24-00-00-00A-051A-A](#)
 - [89-A-24-21-00-01A-051A-A](#).
- 64.10 Carefully disconnect the pins of the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102 from the electrical connector J257B. Refer to [89-A-24-21-00-01A-051A-A](#).
- 64.11 Record the position of all the clamps on the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102.
- 64.12 Remove the parts that attach the clamps that hold the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102.
- 64.13 Carefully remove the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 65 Remove the AC DISTRIBUTION C/A (B1A315) P/N 8G9B21A31501 (refer [Figure 1](#)) as follows:
- 65.1 Carefully disconnect the pins of the AC DISTRIBUTION C/A (B1A315) P/N 8G9B21A31501 from the electrical connector J213. Refer to [89-A-24-51-00-01A-051A-A](#).
- 65.2 Carefully disconnect the pins of the AC DISTRIBUTION C/A (B1A315) P/N 8G9B21A31501 from the electrical connector J215. Refer to [89-A-24-51-00-01A-051A-A](#).
- 65.3 Record the position of all the clamps on the AC DISTRIBUTION C/A (B1A315) P/N 8G9B21A31501.

- 65.4 Remove the parts that attach the clamps that hold the AC DISTRIBUTION C/A (B1A315) P/N 8G9B21A31501.
- 65.5 Carefully remove the AC DISTRIBUTION C/A (B1A315) P/N 8G9B21A31501 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 66 Remove the GPS 1/2 GROUND SPEED C/A (B2A223) P/N 8G9B22A22301 (refer to [Figure 1](#)) as follows:
- 66.1 Carefully disconnect the pins of the GPS 1/2 GROUND SPEED C/A (B2A223) P/N 8G9B22A22301 from the electrical connector J219. Refer to [89-A-34-54-00-00A-051A-A](#).
- 66.2 Record the position of all the clamps on the GPS 1/2 GROUND SPEED C/A (B2A223) P/N 8G9B22A22301.
- 66.3 Remove the parts that attach the clamps that hold the GPS 1/2 GROUND SPEED C/A (B2A223) P/N 8G9B22A22301.
- 66.4 Carefully remove the GPS 1/2 GROUND SPEED C/A (B2A223) P/N 8G9B22A22301 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 67 Remove the HEATER FORCED VENTILATION C/A (B1A319) P/N 8G9B21A31901 (refer to [Figure 1](#)) as follows:
- 67.1 Carefully disconnect the pins of the HEATER FORCED VENTILATION C/A (B1A319) P/N 8G9B21A31901 from the electrical connector J213. Refer to [89-A-21-21-00-01A-051A-A](#).
- 67.2 Record the position of all the clamps on the HEATER FORCED VENTILATION C/A (B1A319) P/N 8G9B21A31901.
- 67.3 Remove the parts that attach the clamps that hold the HEATER FORCED VENTILATION C/A (B1A319) P/N 8G9B21A31901.
- 67.4 Carefully remove the HEATER FORCED VENTILATION C/A (B1A319) P/N 8G9B21A31901 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 68 Remove the VHF/FM NPX138 C/A (B2A205) P/N 8G9B22A20501 (refer to [Figure 1](#)) as follows:
- 68.1 Carefully disconnect the pins of the VHF/FM NPX138 C/A (B2A205) P/N 8G9B22A20501 from the electrical connector PL62P101. Refer to [89-B-23-13-00-00A-051A-A](#).
- 68.2 Record the position of all the clamps on the VHF/FM NPX138 C/A (B2A205) P/N 8G9B22A20501.
- 68.3 Remove the parts that attach the clamps that hold the VHF/FM NPX138 C/A (B2A205) P/N 8G9B22A20501.
- 68.4 Carefully remove the VHF/FM NPX138 C/A (B2A205) P/N 8G9B22A20501 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 69 Remove the ICS DACS INT LOUDSPEAKER C/A (B1A277) P/N 8G9B01A27701 (refer to [Figure 1](#)) as follows:

- 69.1 Carefully disconnect the pins of the ICS DACS INT LOUDSPEAKER C/A (B1A277) P/N 8G9B01A27701 from the terminal board TB2096. Refer to [89-A-23-32-00-00A-051A-A](#).
- 69.2 Record the position of all the clamps on the ICS DACS INT LOUDSPEAKER C/A (B1A277) P/N 8G9B01A27701.
- 69.3 Remove the parts that attach the clamps that hold the ICS DACS INT LOUDSPEAKER C/A (B1A277) P/N 8G9B01A27701.
- 69.4 Carefully remove the ICS DACS INT LOUDSPEAKER C/A (B1A277) P/N 8G9B01A27701 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 70 Remove the ICS DACS SAR CABIN C/A (B1A336) P/N 8G9B21A33601 (refer to [Figure 1](#)) as follows:
 - 70.1 Carefully disconnect the pins of the ICS DACS SAR CABIN C/A (B1A336) P/N 8G9B21A33601 from the electrical connector J213. Refer to [89-A-23-53-00-00A-051A-A](#).
 - 70.2 Record the position of all the clamps on the ICS DACS SAR CABIN C/A (B1A336) P/N 8G9B21A33601.
 - 70.3 Remove the parts that attach the clamps that hold the ICS DACS SAR CABIN C/A (B1A336) P/N 8G9B21A33601.
 - 70.4 Carefully remove the ICS DACS SAR CABIN C/A (B1A336) P/N 8G9B21A33601 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 71 Remove the UTILITY SOCKET C/A (B1A250) P/N 8G9B21A25001 (refer to [Figure 1](#)) as follows:
 - 71.1 Carefully disconnect the pins of the UTILITY SOCKET C/A (B1A250) P/N 8G9B21A25001 from the electrical connector J213. Refer to [89-A-24-63-00-00A-051A-A](#).
 - 71.2 Record the position of all the clamps on the UTILITY SOCKET C/A (B1A250) P/N 8G9B21A25001.
 - 71.3 Remove the parts that attach the clamps that hold the UTILITY SOCKET C/A (B1A250) P/N 8G9B21A25001.
 - 71.4 Carefully remove the UTILITY SOCKET C/A (B1A250) P/N 8G9B21A25001 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 72 Remove the HOIST ECU RETROFIT C/A (B1A432) P/N 8G9B21A43201 (refer to [Figure 1](#)) as follows:
 - 72.1 Carefully disconnect the pins of the HOIST ECU RETROFIT C/A (B1A432) P/N 8G9B21A43201 from the electrical connector J213. Refer to [Figure 2](#).
 - 72.2 Record the position of all the clamps on the HOIST ECU RETROFIT C/A (B1A432) P/N 8G9B21A43201.
 - 72.3 Remove the parts that attach the clamps that hold the HOIST ECU RETROFIT C/A (B1A432) P/N 8G9B21A43201.

- 72.4 Carefully remove the HOIST ECU RETROFIT C/A (B1A432) P/N 8G9B21A43201 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 73 Remove the ICE DETECTOR SYSTEM C/A (B1A297) P/N 8G9B21A29702 (refer to [Figure 1](#)) as follows:
- 73.1 Remove the applicable ground protections from the ground stud GS267. Refer to the applicable steps of [89-A-20-10-01-00A-259A-A](#).
- 73.2 Remove the parts that attach the ICE DETECTOR SYSTEM C/A (B1A297) P/N 8G9B21A29702 to the ground stud GS267.
- 73.3 Remove the ICE DETECTOR SYSTEM C/A (B1A297) P/N 8G9B21A29702 from the ground stud GS267.
- 73.4 Carefully disconnect the pins of the ICE DETECTOR SYSTEM C/A (B1A297) P/N 8G9B21A29702 from the electrical connector J215. Refer to [89-A-30-63-00-00A-051A-A](#).
- 73.5 Record the position of all the clamps on the ICE DETECTOR SYSTEM C/A (B1A297) P/N 8G9B21A29702.
- 73.6 Remove the parts that attach the clamps that hold the ICE DETECTOR SYSTEM C/A (B1A297) P/N 8G9B21A29702.
- 73.7 Carefully remove the ICE DETECTOR SYSTEM C/A (B1A297) P/N 8G9B21A29702 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 74 Remove the GENERATION & DISTN FIPS (B1A324) P/N 8G9B21A32401 (refer to [Figure 1](#)) as follows:
- 74.1 Carefully disconnect the pins of the GENERATION & DISTN FIPS (B1A324) P/N 8G9B21A32401 from the electrical connector J215. Refer to [89-B-24-21-00-00A-051A-A](#).
- 74.2 Record the position of all the clamps on the GENERATION & DISTN FIPS (B1A324) P/N 8G9B21A32401.
- 74.3 Remove the parts that attach the clamps that hold the GENERATION & DISTN FIPS (B1A324) P/N 8G9B21A32401.
- 74.4 Carefully remove the GENERATION & DISTN FIPS (B1A324) P/N 8G9B21A32401 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 75 Remove the HEATED WINDSHIELD C/A (B1A295) P/N 8G9B21A29503 (refer to [Figure 1](#)) as follows:
- 75.1 Carefully disconnect the pins of the HEATED WINDSHIELD C/A (B1A295) P/N 8G9B21A29503 from the electrical connector J245. Refer to [89-A-30-62-00-00A-051A-A](#).
- 75.2 Carefully disconnect the pins of the HEATED WINDSHIELD C/A (B1A295) P/N 8G9B21A29503 from the electrical connector J215. Refer to [89-A-30-62-00-00A-051A-A](#).
- 75.3 Record the position of all the clamps on the HEATED WINDSHIELD C/A (B1A295) P/N 8G9B21A29503.
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- 75.4 Remove the parts that attach the clamps that hold the HEATED WINDSHIELD C/A (B1A295) P/N 8G9B21A29503.
- 75.5 Carefully remove the HEATED WINDSHIELD C/A (B1A295) P/N 8G9B21A29503 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 76 Remove the AIS TRANSPONDER C/A (B2A267) P/N 8G9B22A26701 (refer to [Figure 1](#)) as follows:
- 76.1 Carefully disconnect the pins of the AIS TRANSPONDER C/A (B2A267) P/N 8G9B22A26701 from the electrical connector J219. Refer to [Figure 3](#).
- 76.2 Record the position of all the clamps on the AIS TRANSPONDER C/A (B2A267) P/N 8G9B22A26701.
- 76.3 Remove the parts that attach the clamps that hold the AIS TRANSPONDER C/A (B2A267) P/N 8G9B22A26701.
- 76.4 Carefully remove the AIS TRANSPONDER C/A (B2A267) P/N 8G9B22A26701 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 77 Remove the 3RD GPS ANTENNA C/A (B3A115) P/N 8G9B23A11501 (refer to [Figure 1](#)) as follows:
- 77.1 Carefully disconnect the pins of the 3RD GPS ANTENNA C/A (B3A115) P/N 8G9B23A11501 from the electrical connector J347. Refer to [89-A-34-56-00-00A-051A-A](#).
- 77.2 Record the position of all the clamps on the 3RD GPS ANTENNA C/A (B3A115) P/N 8G9B23A11501.
- 77.3 Remove the parts that attach the clamps that hold the 3RD GPS ANTENNA C/A (B3A115) P/N 8G9B23A11501.
- 77.4 Carefully remove the 3RD GPS ANTENNA C/A (B3A115) P/N 8G9B23A11501 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 78 Remove the MAIN ROTOR TIP LIGHT C/A (B1A268) P/N 8G9B21A26801 (refer to [Figure 1](#)) as follows:
- 78.1 Carefully disconnect the pins of the MAIN ROTOR TIP LIGHT C/A (B1A268) P/N 8G9B21A26801 from the electrical connector J215. Refer to [89-A-33-61-00-00A-051A-A](#).
- 78.2 Record the position of all the clamps on the MAIN ROTOR TIP LIGHT C/A (B1A268) P/N 8G9B21A26801.
- 78.3 Remove the parts that attach the clamps that hold the MAIN ROTOR TIP LIGHT C/A (B1A268) P/N 8G9B21A26801.
- 78.4 Carefully remove the MAIN ROTOR TIP LIGHT C/A (B1A268) P/N 8G9B21A26801 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 79 Remove the SATCOM DZMX (B2A196) C/A P/N 8G9B22A19602 (refer to [Figure 1](#)) as follows:

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- 79.1 Carefully disconnect the pins of the SATCOM DZMX (B2A196) C/A P/N 8G9B22A19602 from the electrical connector A257P2. Refer to [89-B-23-16-00-00A-051A-A](#).
 - 79.2 Record the position of all the clamps on the SATCOM DZMX (B2A196) C/A P/N 8G9B22A19602.
 - 79.3 Remove the parts that attach the clamps that hold the SATCOM DZMX (B2A196) C/A P/N 8G9B22A19602.
 - 79.4 Carefully remove the SATCOM DZMX (B2A196) C/A P/N 8G9B22A19602 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
 - 80 Remove the Number 1 HDMI cable P/N HP-19AM-AM-QL7A03. Refer to the applicable steps of [89-A-46-32-07-00A-921A-A](#).
 - 81 Remove the VIDEO RECORDER C/A (B2A207) P/N 8G9B22A20701 (refer to [Figure 1](#)) as follows:
 - 81.1 Carefully disconnect the pins of the VIDEO RECORDER C/A (B2A207) P/N 8G9B22A20701 from the electrical connector J219. Refer to [89-A-31-33-00-00A-051A-A](#).
 - 81.2 Record the position of all the clamps on the VIDEO RECORDER C/A (B2A207) P/N 8G9B22A20701.
 - 81.3 Remove the parts that attach the clamps that hold the VIDEO RECORDER C/A (B2A207) P/N 8G9B22A20701.
 - 81.4 Carefully remove the VIDEO RECORDER C/A (B2A207) P/N 8G9B22A20701 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
 - 82 Remove the VIDEO RECORDER C/A (B1A327) P/N 8G9B21A32701 (refer to [Figure 1](#)) as follows:
 - 82.1 Carefully disconnect the pins of the VIDEO RECORDER C/A (B1A327) P/N 8G9B21A32701 from the electrical connector J215. Refer to [89-A-31-33-00-00A-051A-A](#).
 - 82.2 Record the position of all the clamps on the VIDEO RECORDER C/A (B1A327) P/N 8G9B21A32701.
 - 82.3 Remove the parts that attach the clamps that hold the VIDEO RECORDER C/A (B1A327) P/N 8G9B21A32701.
 - 82.4 Carefully remove the VIDEO RECORDER C/A (B1A327) P/N 8G9B21A32701 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
 - 83 Remove the VIDEO RECORDER C/A (B2A208) P/N 8G9B22A20801 (refer to [Figure 1](#)) as follows:
 - 83.1 Carefully disconnect the pins of the VIDEO RECORDER C/A (B2A208) P/N 8G9B22A20801 from the electrical connector A293P1. Refer to [89-A-31-33-00-00A-051A-A](#).
 - 83.2 Record the position of all the clamps on the VIDEO RECORDER C/A (B2A208) P/N 8G9B22A20801.
 - 83.3 Remove the parts that attach the clamps that hold the VIDEO RECORDER C/A (B2A208) P/N 8G9B22A20801.
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- 83.4 Carefully remove the VIDEO RECORDER C/A (B2A208) P/N 8G9B22A20801 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 84 Remove the VIDEO RECORDER C/A (C3A135) P/N 8G9C23A13501 (refer to [Figure 1](#)) as follows:
 - 84.1 Carefully disconnect the pins of the VIDEO RECORDER C/A (C3A135) P/N 8G9C23A13501 from the electrical connector A293P6. Refer to [89-A-31-33-00-00A-051A-A](#).
 - 84.2 Record the position of all the clamps on the VIDEO RECORDER C/A (C3A135) P/N 8G9C23A13501.
 - 84.3 Remove the parts that attach the clamps that hold the VIDEO RECORDER C/A (C3A135) P/N 8G9C23A13501.
 - 84.4 Carefully remove the VIDEO RECORDER C/A (C3A135) P/N 8G9C23A13501 from all the retaining clamps until it can be removed from the WL 2470 REAR PANEL ASSY P/N 8G5333A02131.
- 85 Remove the FLIR SAFIRE 380HD C/A (B1A303) P/N 8G9B21A30302 (refer to [Figure 1](#)) as follows:
 - 85.1 Carefully disconnect the pins of the FLIR SAFIRE 380HD C/A (B1A303) P/N 8G9B21A30302 from the electrical connector J215. Refer to [89-A-93-51-00-00A-051A-A](#).
 - 85.2 Record the position of all the clamps on the FLIR SAFIRE 380HD C/A (B1A303) P/N 8G9B21A30302.
 - 85.3 Remove the parts that attach the clamps that hold the FLIR SAFIRE 380HD C/A (B1A303) P/N 8G9B21A30302.
 - 85.4 Carefully remove the FLIR SAFIRE 380HD C/A (B1A303) P/N 8G9B21A30302 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 86 Remove the RADAR 1500B C/A (B1A318) P/N 8G9B21A31802 (refer to [Figure 1](#)) as follows:
 - 86.1 Carefully disconnect the pins of the RADAR 1500B C/A (B1A318) P/N 8G9B21A31802 from the electrical connector J213. Refer to [89-B-34-41-00-00A-051A-A](#).
 - 86.2 Carefully disconnect the pins of the RADAR 1500B C/A (B1A318) P/N 8G9B21A31802 from the electrical connector J215. Refer to [89-B-34-41-00-00A-051A-A](#).
 - 86.3 Record the position of all the clamps on the RADAR 1500B C/A (B1A318) P/N 8G9B21A31802.
 - 86.4 Remove the parts that attach the clamps that hold the RADAR 1500B C/A (B1A318) P/N 8G9B21A31802.
 - 86.5 Carefully remove the RADAR 1500B C/A (B1A318) P/N 8G9B21A31802 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 87 Remove the RADAR 1500B C/A (B2A198) P/N 8G9B22A19802 (refer to [Figure 1](#)) as follows:
 - 87.1 Carefully disconnect the pins of the RADAR 1500B C/A (B2A198) P/N 8G9B22A19802 from the electrical connector J217. Refer to [89-B-34-41-00-00A-051A-A](#).

- 87.2 Carefully disconnect the pins of the RADAR 1500B C/A (B2A198) P/N 8G9B22A19802 from the electrical connector J219. Refer to [89-B-34-41-00-00A-051A-A](#).
- 87.3 Record the position of all the clamps on the RADAR 1500B C/A (B2A198) P/N 8G9B22A19802.
- 87.4 Remove the parts that attach the clamps that hold the RADAR 1500B C/A (B2A198) P/N 8G9B22A19802.
- 87.5 Carefully remove the RADAR 1500B C/A (B2A198) P/N 8G9B22A19802 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 88 Remove the RADAR 1500B C/A (C3A130) P/N 8G9C23A13002 (refer to [Figure 1](#)) as follows:
 - 88.1 Carefully disconnect the pins of the RADAR 1500B C/A (C3A130) P/N 8G9C23A13002 from the electrical connector A307P3. Refer to [89-B-34-41-00-00A-051A-A](#).
 - 88.2 Record the position of all the clamps on the RADAR 1500B C/A (C3A130) P/N 8G9C23A13002.
 - 88.3 Remove the parts that attach the clamps that hold the RADAR 1500B C/A (C3A130) P/N 8G9C23A13002.
 - 88.4 Carefully remove the RADAR 1500B C/A (C3A130) P/N 8G9C23A13002 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 89 Remove the RADAR 1500B C/A (C3A131) P/N 8G9C23A13102 (refer to [Figure 1](#)) as follows:
 - 89.1 Carefully disconnect the pins of the RADAR 1500B C/A (C3A131) P/N 8G9C23A13102 from the electrical connector A307P4. Refer to [89-B-34-41-00-00A-051A-A](#).
 - 89.2 Record the position of all the clamps on the RADAR 1500B C/A (C3A131) P/N 8G9C23A13102.
 - 89.3 Remove the parts that attach the clamps that hold the RADAR 1500B C/A (C3A131) P/N 8G9C23A13102.
 - 89.4 Carefully remove the RADAR 1500B C/A (C3A131) P/N 8G9C23A13102 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 90 Remove the HOIST CAMERA C/A (B1A317) P/N 8G9B21A31701 (refer to [Figure 1](#)) as follows:
 - 90.1 Carefully disconnect the pins of the HOIST CAMERA C/A (B1A317) P/N 8G9B21A31701 from the electrical connector J215. Refer to [89-A-97-53-00-00A-051A-A](#).
 - 90.2 Record the position of all the clamps on the HOIST CAMERA C/A (B1A317) P/N 8G9B21A31701.
 - 90.3 Remove the parts that attach the clamps that hold the HOIST CAMERA C/A (B1A317) P/N 8G9B21A31701.
 - 90.4 Carefully remove the HOIST CAMERA C/A (B1A317) P/N 8G9B21A31701 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.

- 91 Remove the HOIST CAMERA C/A (A3A123) P/N 8G9A23A12301 (refer to [Figure 1](#)) as follows:
 - 91.1 Carefully disconnect the pins of the HOIST CAMERA C/A (A3A123) P/N 8G9A23A12301 from the electrical connector A293P16. Refer to [89-A-97-53-00-00A-051A-A](#).
 - 91.2 Record the position of all the clamps on the HOIST CAMERA C/A (A3A123) P/N 8G9A23A12301.
 - 91.3 Remove the parts that attach the clamps that hold the HOIST CAMERA C/A (A3A123) P/N 8G9A23A12301.
 - 91.4 Carefully remove the HOIST CAMERA C/A (A3A123) P/N 8G9A23A12301 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 92 Remove the HOIST CAMERA C/A (C3B112) P/N 8G9C23B11201 (refer to [Figure 1](#)) as follows:
 - 92.1 Carefully disconnect the pins of the HOIST CAMERA C/A (C3B112) P/N 8G9C23B11201 from the electrical connector A292P12. Refer to [89-A-97-53-00-00A-051A-A](#).
 - 92.2 Record the position of all the clamps on the HOIST CAMERA C/A (C3B112) P/N 8G9C23B11201.
 - 92.3 Remove the parts that attach the clamps that hold the HOIST CAMERA C/A (C3B112) P/N 8G9C23B11201.
 - 92.4 Carefully remove the HOIST CAMERA C/A (C3B112) P/N 8G9C23B11201 from all the retaining clamps until it can be removed from the WL 2470 REAR PANEL ASSY P/N 8G5333A02131.
- 93 Remove the CABIN LIGHTING C/A (B1A305) P/N 8G9B21A30501 (refer to [Figure 1](#)) as follows:
 - 93.1 Carefully disconnect the pins of the CABIN LIGHTING C/A (B1A305) P/N 8G9B21A30501 from the electrical connector J213. Refer to [89-D-33-12-00-00A-051A-A](#).
 - 93.2 Carefully disconnect the pins of the CABIN LIGHTING C/A (B1A305) P/N 8G9B21A30501 from the electrical connector J215. Refer to [89-D-33-12-00-00A-051A-A](#).
 - 93.3 Record the position of all the clamps on the CABIN LIGHTING C/A (B1A305) P/N 8G9B21A30501.
 - 93.4 Remove the parts that attach the clamps that hold the CABIN LIGHTING C/A (B1A305) P/N 8G9B21A30501.
 - 93.5 Carefully remove the CABIN LIGHTING C/A (B1A305) P/N 8G9B21A30501 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 94 Remove the FASTEN SEATBELT C/A (B1A345) P/N 8G9B21A34501 (refer to [Figure 1](#)) as follows:
 - 94.1 Carefully disconnect the pins of the FASTEN SEATBELT C/A (B1A345) P/N 8G9B21A34501 from the electrical connector J215. Refer to [89-B-33-12-00-01A-051A-A](#).
 - 94.2 Record the position of all the clamps on the FASTEN SEATBELT C/A (B1A345) P/N 8G9B21A34501.

- 94.3 Remove the parts that attach the clamps that hold the FASTEN SEATBELT C/A (B1A345) P/N 8G9B21A34501.
- 94.4 Carefully remove the FASTEN SEATBELT C/A (B1A345) P/N 8G9B21A34501 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 95 Remove the SPOT UTILITY LIGHT C/A (B1A306) P/N 8G9B21A30601 (refer to [Figure 1](#)) as follows:
- 95.1 Carefully disconnect the pins of the SPOT UTILITY LIGHT C/A (B1A306) P/N 8G9B21A30601 from the electrical connector J215. Refer to [89-A-33-14-00-00A-051A-A](#).
- 95.2 Record the position of all the clamps on the SPOT UTILITY LIGHT C/A (B1A306) P/N 8G9B21A30601.
- 95.3 Remove the parts that attach the clamps that hold the SPOT UTILITY LIGHT C/A (B1A306) P/N 8G9B21A30601.
- 95.4 Carefully remove the SPOT UTILITY LIGHT C/A (B1A306) P/N 8G9B21A30601 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 96 Remove the BAGGAGE LIGHTS SWITCH C/A (B1A304) P/N 8G9B21A30401 (refer to [Figure 1](#)) as follows:
- 96.1 Carefully disconnect the pins of the BAGGAGE LIGHTS SWITCH C/A (B1A304) P/N 8G9B21A30401 from the electrical connector J215. Refer to [Figure 4](#).
- 96.2 Record the position of all the clamps on the BAGGAGE LIGHTS SWITCH C/A (B1A304) P/N 8G9B21A30401.
- 96.3 Remove the parts that attach the clamps that hold the BAGGAGE LIGHTS SWITCH C/A (B1A304) P/N 8G9B21A30401.
- 96.4 Carefully remove the BAGGAGE LIGHTS SWITCH C/A (B1A304) P/N 8G9B21A30401 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 97 Remove the AVIONIC CUSTOM SAR UK C/A (B2A213) P/N 8G9B22A21301 (refer to [Figure 1](#)) as follows:
- 97.1 Carefully disconnect the pins of the AVIONIC CUSTOM SAR UK C/A (B2A213) P/N 8G9B22A21301 from the electrical connector J219. Refer to [89-A-91-10-00-02A-051A-A](#).
- 97.2 Record the position of all the clamps on the AVIONIC CUSTOM SAR UK C/A (B2A213) P/N 8G9B22A21301.
- 97.3 Remove the parts that attach the clamps that hold the AVIONIC CUSTOM SAR UK C/A (B2A213) P/N 8G9B22A21301.
- 97.4 Carefully remove the AVIONIC CUSTOM SAR UK C/A (B2A213) P/N 8G9B22A21301 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
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- 98 Remove the AVIONIC CUSTOM SAR UK C/A (B3A120) P/N 8G9B23A12001 (refer to [Figure 1](#)) as follows:
- 98.1 Carefully disconnect the pins of the AVIONIC CUSTOM SAR UK C/A (B3A120) P/N 8G9B23A12001 from the electrical connector A292P1. Refer to [89-A-91-10-00-02A-051A-A](#).
- 98.2 Record the position of all the clamps on the AVIONIC CUSTOM SAR UK C/A (B3A120) P/N 8G9B23A12001.
- 98.3 Remove the parts that attach the clamps that hold the AVIONIC CUSTOM SAR UK C/A (B3A120) P/N 8G9B23A12001.
- 98.4 Carefully remove the AVIONIC CUSTOM SAR UK C/A (B3A120) P/N 8G9B23A12001 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 99 Remove the AVIONIC CUSTOM SAR UK C/A (B3A122) P/N 8G9B23A12201 (refer to [Figure 1](#)) as follows:
- 99.1 Carefully disconnect the pins of the AVIONIC CUSTOM SAR UK C/A (B3A122) P/N 8G9B23A12201 from the electrical connector A292P5. Refer to [89-A-91-10-00-02A-051A-A](#).
- 99.2 Record the position of all the clamps on the AVIONIC CUSTOM SAR UK C/A (B3A122) P/N 8G9B23A12201.
- 99.3 Remove the parts that attach the clamps that hold the AVIONIC CUSTOM SAR UK C/A (B3A122) P/N 8G9B23A12201.
- 99.4 Carefully remove the AVIONIC CUSTOM SAR UK C/A (B3A122) P/N 8G9B23A12201 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 100 Remove the AVIONIC CUSTOM SAR UK C/A (B3A119) P/N 8G9B23A11901 (refer to [Figure 1](#)) as follows:
- 100.1 Carefully disconnect the pins of the AVIONIC CUSTOM SAR UK C/A (B3A119) P/N 8G9B23A11901 from the electrical connector A293P1. Refer to [89-A-91-10-00-02A-051A-A](#).
- 100.2 Record the position of all the clamps on the AVIONIC CUSTOM SAR UK C/A (B3A119) P/N 8G9B23A11901.
- 100.3 Remove the parts that attach the clamps that hold the AVIONIC CUSTOM SAR UK C/A (B3A119) P/N 8G9B23A11901.
- 100.4 Carefully remove the AVIONIC CUSTOM SAR UK C/A (B3A119) P/N 8G9B23A11901 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 101 Remove the AVIONIC CUSTOM SAR UK C/A (B3A121) P/N 8G9B23A12101 (refer to [Figure 1](#)) as follows:
- 101.1 Carefully disconnect the pins of the AVIONIC CUSTOM SAR UK C/A (B3A121) P/N 8G9B23A12101 from the electrical connector A293P5. Refer to [89-A-91-10-00-02A-051A-A](#).

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- 101.2 Record the position of all the clamps on the AVIONIC CUSTOM SAR UK C/A (B3A121) P/N 8G9B23A12101.
- 101.3 Remove the parts that attach the clamps that hold the AVIONIC CUSTOM SAR UK C/A (B3A121) P/N 8G9B23A12101.
- 101.4 Carefully remove the AVIONIC CUSTOM SAR UK C/A (B3A121) P/N 8G9B23A12101 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 102 Remove the AVIONIC CUSTOM SAR UK C/A (C3A133) P/N 8G9C23A13301 (refer to [Figure 1](#)) as follows:
- 102.1 Carefully disconnect the pins of the AVIONIC CUSTOM SAR UK C/A (C3A133) P/N 8G9C23A13301 from the electrical connector A302P1. Refer to [89-A-91-10-00-02A-051A-A](#).
- 102.2 Record the position of all the clamps on the AVIONIC CUSTOM SAR UK C/A (C3A133) P/N 8G9C23A13301.
- 102.3 Remove the parts that attach the clamps that hold the AVIONIC CUSTOM SAR UK C/A (C3A133) P/N 8G9C23A13301.
- 102.4 Carefully remove the AVIONIC CUSTOM SAR UK C/A (C3A133) P/N 8G9C23A13301 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 103 Remove the Number 2 HDMI cable P/N HP-19AM-AM-QL7A03. Refer to the applicable steps of [89-A-46-32-08-00A-921A-A](#).
- 104 Remove the GENERATION & DISTN FIPS C/A (B1B314) P/N 8G9B21B31401 (refer to [Figure 1](#)) as follows:
- 104.1 Remove the parts that attach the electrical connector J321 to the left avionics bay. Refer to View E of [Figure 1](#).
- 104.2 Carefully disconnect the pins of the GENERATION & DISTN FIPS C/A (B1B314) P/N 8G9B21B31401 from the electrical connector J321. Refer to [89-B-24-21-00-00A-051A-A](#).
- 104.3 Disconnect the electrical connector A333P1 from the AC generator control unit. Refer to the applicable steps of [89-B-24-21-07-00A-520A-A](#) and to View M of [Figure 1](#).
- 104.4 Carefully disconnect the pins of the GENERATION & DISTN FIPS C/A (B1B314) P/N 8G9B21B31401 from the electrical connector A33P1. Refer to [89-B-24-21-00-00A-051A-A](#).
- 104.5 Record the position of all the clamps on the GENERATION & DISTN FIPS C/A (B1B314) P/N 8G9B21B31401.
- 104.6 Remove the parts that attach the clamps that hold the GENERATION & DISTN FIPS C/A (B1B314) P/N 8G9B21B31401.
- 104.7 Carefully remove the GENERATION & DISTN FIPS C/A (B1B314) P/N 8G9B21B31401 from all the retaining clamps until it can be removed from the WL 2470 REAR PANEL ASSY P/N 8G5333A02131.
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- 105 Remove the GENERATION & DISTN FIPS C/A (B1B315) P/N 8G9B21B31501 (refer to [Figure 1](#)) as follows:
- 105.1 Disconnect the electrical connector A335P1 from the APU power-distribution unit. Refer to the applicable steps of [89-B-24-21-10-00A-520A-A](#) and to View H of [Figure 1](#).
- 105.2 Carefully disconnect the pins of the GENERATION & DISTN FIPS C/A (B1B315) P/N 8G9B21B31501 from the electrical connector A335P1. Refer to [89-B-24-21-00-00A-051A-A](#).
- 105.3 Record the position of all the clamps on the GENERATION & DISTN FIPS C/A (B1B315) P/N 8G9B21B31501.
- 105.4 Remove the parts that attach the clamps that hold the GENERATION & DISTN FIPS C/A (B1B315) P/N 8G9B21B31501.
- 105.5 Carefully remove the GENERATION & DISTN FIPS C/A (B1B315) P/N 8G9B21B31501 from all the retaining clamps until it can be removed from the WL 2470 REAR PANEL ASSY P/N 8G5333A02131.
- 106 Remove the MISSION SYSTEM C/A (B2A210) P/N 8G9B22A21001 (refer to [Figure 1](#)) as follows:
- 106.1 Remove the parts that attach the electrical connector A227J1B. Refer to View N of [Figure 1](#).
- 106.2 Carefully disconnect the pins of the MISSION SYSTEM C/A (B2A210) P/N 8G9B22A21001 from the electrical connector A227J1B. Refer to [Figure 6](#).
- 106.3 Record the position of all the clamps on the MISSION SYSTEM C/A (B2A210) P/N 8G9B22A21001.
- 106.4 Remove the parts that attach the clamps that hold the MISSION SYSTEM C/A (B2A210) P/N 8G9B22A21001.
- 106.5 Carefully remove the MISSION SYSTEM C/A (B2A210) P/N 8G9B22A21001 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.
- 107 Remove the U-HCU EXTENSION CABLE C/A (B2A215) P/N 8G9B22A21501 and the U-HCU EXTENSION CABLE C/A (B1A370) P/N 8G9B21A37001 (refer to [Figure 1](#)) as follows:
- 107.1 Remove the parts that attach the electrical connector A241J1A. Refer to View N of [Figure 1](#).
- 107.2 Carefully disconnect the pins of the U-HCU EXTENSION CABLE C/A (B2A215) P/N 8G9B22A21501 from the electrical connector A241J1A. Refer to [Figure 6](#).
- 107.3 Record the position of all the clamps on the U-HCU EXTENSION CABLE C/A (B2A215) P/N 8G9B22A21501.
- 107.4 Remove the parts that attach the clamps that hold the U-HCU EXTENSION CABLE C/A (B2A215) P/N 8G9B22A21501.
- 107.5 Carefully remove the U-HCU EXTENSION CABLE C/A (B2A215) P/N 8G9B22A21501 from all the retaining clamps until it can be removed from the left BL 550 aft longeron.

- 107.6 Do again the [step 107.2](#) thru [step 107.5](#) for the U-HCU EXTENSION CABLE C/A (B1A370) P/N 8G9B21A37001.
- 108 Remove the cable assemblies and the drains that are attached to the WL 2470 REAR PANEL ASSY P/N 8G5333A02131 as follows:
- 108.1 Record the position of all the cable assemblies and the drains on the WL 2470 REAR PANEL ASSY P/N 8G5333A02131.
- 108.2 For each cable assembly or drain, record the position of the attaching parts on the related cable assembly or drain.
- 108.3 Remove the parts that attach the cable assemblies or the drains to the WL 2470 REAR PANEL ASSY P/N 8G5333A02131.
- 108.4 Carefully stow the free cable assemblies and the drains in an applicable position.
- 109 Remove the WL 2470 REAR PANEL ASSY P/N 8G5333A02131 (refer to [Figure 8](#)) as follows:
- 109.1 Hold the removable panel assy RH P/N 8G5330A03331 in its position with your hands.
- 109.2 Remove the eight screws and the eight washers that attach the removable panel assy RH P/N 8G5330A03331 to the adjacent structures.
- 109.3 Remove the removable panel assy RH P/N 8G5330A03331 from the helicopter.
- 109.4 Hold the removable panel assy LH P/N 8G5330A03231 in its position with your hands.
- 109.5 Remove the eight screws and the eight washers that attach the removable panel assy LH P/N 8G5330A03231 to the adjacent structures.
- 109.6 Remove the removable panel assy LH P/N 8G5330A03231 from the helicopter.
- 109.7 Remove the rivets that attach the STA 6422 HORIZONTAL PROFILE ASSY P/N 8G5330A47531 to the adjacent structures.
- 109.8 Remove the STA 6422 HORIZONTAL PROFILE ASSY P/N 8G5330A47531 from the helicopter.
- 109.9 Remove the rivets that attach the WL 2470 REAR PANEL ASSY P/N 8G5333A02131 to the adjacent structures.
- 109.10 Carefully remove the WL 2470 REAR PANEL ASSY P/N 8G5333A02131 from the helicopter. Make sure that you do not cause damage to the components installed on the WL 2470 REAR PANEL ASSY P/N 8G5333A02131.
- 110 Remove the APU-generator control unit (APU GCU). Refer to [89-B-24-21-08-00A-520A-A](#).
- 111 Remove the APU power-distribution unit (APU PDU). Refer to [89-A-24-51-02-00A-520A-A](#).
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- 112 Remove the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831 (refer to [Figure 9](#)) as follows:
- 112.1 Get access to the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831 on the internal side of the Number 1 engine bay.
- 112.2 Disconnect these electrical connectors from the relevant mating connector:
- The electrical connector P2017
 - The electrical connector P267
 - The electrical connector P265.
- Refer to View A of [Figure 9](#).
- 112.3 Remove these electrical harnesses from the helicopter:
- The HEATING C/A (F1A11) P/N 4F9F11A01103
 - The ENGINE 1 CTRL AND IND C/A (F2A104) P/N 8G9F22A10401
 - The ENGINE 1 CTRL AND IND C/A (F2A105) P/N 8G9F22A10501.
- Refer to View A of [Figure 9](#).
- 112.4 Remove the parts that attach these electrical harnesses to the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831:
- The AC MAIN GENERATION C/A (F1A117) P/N 4F9F11A11702
 - The AC MAIN GENERATION C/A (F2A103) P/N 4F9F12A10302.
- Refer to View A of [Figure 9](#).
- 112.5 Move these electrical harnesses away from the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831:
- The AC MAIN GENERATION C/A (F1A117) P/N 4F9F11A11702
 - The AC MAIN GENERATION C/A (F2A103) P/N 4F9F12A10302.
- Refer to View A of [Figure 9](#).
- 112.6 Remove the parts that attach the NUMBER 2 APU RINSING PIPE ASSY P/N 8G7180A00631 to the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831. Refer to View A of [Figure 9](#).
- 112.7 Move the NUMBER 2 APU RINSING PIPE ASSY P/N 8G7180A00631 away from the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831. Refer to View A of [Figure 9](#).
- 112.8 Disconnect the NUMBER 1 DISCHARGE PIPE ASSY 01 P/N 4F2620A01131 from the 3 WAY FITTING P/N 4F2620A01451. Refer to View B of [Figure 9](#).
- 112.9 Disconnect the electrical connectors A295P6 and A295P3 from the AC PDU PWR1 P/N 8G2450V00251. Refer to View E of [Figure 9](#) and to the applicable steps of [89-A-24-51-03-00A-520A-A](#).
- 112.10 The LEFT TRANSMISSION DECK C/A (F1A1) P/N 8G9F11A00102 includes the following cable assemblies:
- The ENG AIR INTAKE PROTECT PWR C/A (F1A136) P/N 8G9F01A13601
 - The VENTILATION FOR ECS C/A (F1A100) P/N 4F9F01A10004
 - The HYDRAULIC (PCM 1) C/A (F1A110) P/N 4F9F01A11003
 - The ROTOR BRAKE C/A (F1A114) P/N 4F9F01A11403
 - The ENG AIR INTAKE PROTECT CTR C/A (F1A104) P/N 8G9F01A10401

- The ENG AIR INTAKE PROTECT CTR C/A (F1A123) P/N 8G9F01A12301
- The HEATING FOR ECS C/A (F1A101) P/N 4F9F01A10104.

Make sure that you remove the correct cable assemblies.

- 112.11 Carefully disconnect the pins of the LEFT TRANSMISSION DECK C/A (F1A1) P/N 8G9F11A00102 from the electrical connector A295P3.
- 112.12 Carefully disconnect the pins of the AC DISTRIBUTION C/A (F1A133) P/N 8G9F21A13301 from the electrical connector A295P3. Refer to [89-A-24-51-00-01A-051A-A](#).
- 112.13 Carefully disconnect the pins of the HEATED WINDSHIELD C/A (F1A151) P/N 8G9F21A15101 from the electrical connector A295P3. Refer to [89-A-30-62-00-00A-051A-A](#).
- 112.14 Carefully disconnect the pins of the ENG AIR INTAKE PROTECT PWR C/A (F1A135) P/N 8G9F21A13501 from the electrical connector A295P6. Refer to [89-A-30-21-00-01B-051A-A](#).
- 112.15 Remove the parts that attach these electrical connectors to the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831:
- The electrical connector J267
 - The electrical connector J265
 - The electrical connector J2017.
- Refer to View B of [Figure 9](#).
- 112.16 Remove the ENGINE 1 CTRL AND IND C/A (F2A106) P/N 8G9F22A10602 from the helicopter. Refer to View B of [Figure 9](#).
- 112.17 Disconnect the PIPE ASSY P/N 8G2820A01832 from the related FITTING P/N MS21924J6 on the structure. Refer to View B of [Figure 9](#).
- 112.18 Remove the parts that attach the clamps that hold the PIPE ASSY P/N 8G2820A01832 in its position on the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831.
- 112.19 Carefully remove the PIPE ASSY P/N 8G2820A01832 from the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831. Then, remove the PIPE ASSY P/N 8G2820A01832 from the helicopter.
- 112.20 Record the position of all the clamps on the LEFT TRANSMISSION DECK C/A (F1A3) P/N 4F9F11A00303.
- 112.21 Remove the parts that attach the clamps that hold the LEFT TRANSMISSION DECK C/A (F1A3) P/N 4F9F11A00303.
- 112.22 Carefully remove the LEFT TRANSMISSION DECK C/A (F1A3) P/N 4F9F11A00303 from all the retaining clamps until it can be removed from the forward part of the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831.
- 112.23 Record the position of all the clamps on the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102.

- 112.24 Remove the parts that attach the clamps that hold the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102.
- 112.25 Carefully remove the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102 from all the retaining clamps until it can be removed from the forward part of the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831.
- 112.26 Record the position of all the clamps on the ENG AIR INTAKE PROTECT PWR C/A (F1A135) P/N 8G9F21A13501.
- 112.27 Remove the parts that attach the clamps that hold the ENG AIR INTAKE PROTECT PWR C/A (F1A135) P/N 8G9F21A13501.
- 112.28 Carefully remove the ENG AIR INTAKE PROTECT PWR C/A (F1A135) P/N 8G9F21A13501 from all the retaining clamps until it can be removed from the forward part of the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831.
- 112.29 Record the position of all the clamps on the AC DISTRIBUTION C/A (F1A133) P/N 8G9F21A13301.
- 112.30 Remove the parts that attach the clamps that hold the AC DISTRIBUTION C/A (F1A133) P/N 8G9F21A13301.
- 112.31 Carefully remove the AC DISTRIBUTION C/A (F1A133) P/N 8G9F21A13301 from all the retaining clamps until it can be removed from the forward part of the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831.
- 112.32 Record the position of all the clamps on the HEATED WINDSHIELD C/A (F1A151) P/N 8G9F21A15101.
- 112.33 Remove the parts that attach the clamps that hold the HEATED WINDSHIELD C/A (F1A151) P/N 8G9F21A15101.
- 112.34 Carefully remove the HEATED WINDSHIELD C/A (F1A151) P/N 8G9F21A15101 from all the retaining clamps until it can be removed from the forward part of the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831.
- 112.35 Record the position of all the clamps on the LEFT TRANSMISSION DECK C/A (F1A1) P/N 8G9F11A00102.
- 112.36 Remove the parts that attach the clamps that hold the LEFT TRANSMISSION DECK C/A (F1A1) P/N 8G9F11A00102.
- 112.37 Carefully remove the LEFT TRANSMISSION DECK C/A (F1A1) P/N 8G9F11A00102 from all the retaining clamps until it can be removed from the forward part of the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831.
- 112.38 Disconnect these drain hoses form the APU DRAIN MANIFOLD ASSY LH P/N 8G7170L00131:
- The APU LH AFT PIPE ASSY P/N 8G7170L00331
 - The APU LH FWD PIPE ASSY P/N 8G7170L00431
 - The APU K6 DRAIN PIPE ASSY 1 P/N 4F7170A07431.

Refer to View C of [Figure 9](#).

- 112.39 Disconnect the PIPE ASSY P/N 8G2820A01932 from the FITTING ELBOW P/N AS1038T0404. Refer to View C of [Figure 9](#).
- 112.40 Remove the parts that attach the CENTRAL WATER BARRIER ASSY P/N 4F3070A06131 to the adjacent structure. Refer to View F of [Figure 9](#).
- 112.41 Remove the CENTRAL WATER BARRIER ASSY P/N 4F3070A06131 from the helicopter. Make sure that you do not damage the R/B LINES PIPE ASSY P/N 4F6352A02131 that pass through it. Refer to View F of [Figure 9](#).
- 112.42 Remove the parts that attach the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831 to the LEFT ANGLE P/N 4F7130A15351. Refer to View A of [Figure 9](#).
- 112.43 Remove the parts that attach the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831 to the upper deck structure. Refer to View B and View D of [Figure 9](#).
- 112.44 Carefully remove the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831 from the LEFT ANGLE P/N 4F7130A15351 and from the upper deck structure. Make sure that you do not cause damages to the adjacent parts and to the parts that are installed on the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831.
- 112.45 Remove the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831 from the helicopter.
- 113 Remove the LHS ENGINE FLOOR P/N 8G5333A09852 (refer to [Figure 10](#)) as follows:
- 113.1 Get access to the upper side of the LHS ENGINE FLOOR P/N 8G5333A09852.
- 113.2 Remove the parts that attach the clamps that hold the ICE DETECTOR SYSTEM C/A (F1A137) P/N 8G9F21A13701. Refer to View A of [Figure 10](#).
- 113.3 Remove the ICE DETECTOR SYSTEM C/A (F1A137) P/N 8G9F21A13701 from the helicopter.
- 113.4 Remove the parts that attach the clamps that hold these cable assemblies:
- The AC MAIN GENERATION C/A (F2A103) P/N 4F9F12A10302
 - The AC MAIN GENERATION C/A (F1A117) P/N 4F9F11A11702.
- Refer to View A of [Figure 10](#).
- 113.5 Remove the parts that attach these cover to the LHS ENGINE FLOOR P/N 8G5333A09852:
- The COVER ASSY P/N 4F5333A54932
 - The COVER ASSY P/N 4F5333A55031
 - The COVER ASSY P/N 4F5333A55131.
- Refer to View A of [Figure 10](#).
- 113.6 Carefully remove these parts from the bottom side of the LHS ENGINE FLOOR P/N 8G5333A09852:
- The AC MAIN GENERATION C/A (F2A103) P/N 4F9F12A10302
 - The AC MAIN GENERATION C/A (F1A117) P/N 4F9F11A11702
 - The COVER ASSY P/N 4F5333A54932

- The COVER ASSY P/N 4F5333A55031
 - The COVER ASSY P/N 4F5333A55131.
- 113.7 Remove the rivets that attach the STRUT BRACKET LH FWD ASSY P/N 8G7130A10731 to the adjacent structures. Refer to Detail C of [Figure 10](#).
- 113.8 Remove the STRUT BRACKET LH FWD ASSY P/N 8G7130A10731 from the helicopter.
- 113.9 Remove the rivets that attach the BRKT ASSY LH AFT P/N 8G7130A00931 to the adjacent structures. Refer to View E of [Figure 10](#).
- 113.10 Remove the BRKT ASSY LH AFT P/N 8G7130A00931 from the helicopter.
- 113.11 Remove the parts that attach the clamp that hold the D1 DRAIN PIPE ASSY P/N 8G7170L00931 to the D1 DRAIN BRACKET ASSY P/N 8G5333A50131. Refer to View A of [Figure 10](#).
- 113.12 Move the D1 DRAIN PIPE ASSY P/N 8G7170L00931 away from the D1 DRAIN BRACKET ASSY P/N 8G5333A50131.
- 113.13 Remove the rivets that attach the D1 DRAIN BRACKET ASSY P/N 8G5333A50131 to the adjacent structures. Refer to View E of [Figure 10](#).
- 113.14 Remove the D1 DRAIN BRACKET ASSY P/N 8G5333A50131 from the helicopter.
- 113.15 Remove the rivets that attach all the CLAMP HINGED SENSOR P/N 7C31-1AA installed on the PLATE INBD P/N 8G7130A11151. Refer to View B of [Figure 10](#).
- 113.16 Remove all the CLAMP HINGED SENSOR P/N 7C31-1AA from the PLATE INBD P/N 8G7130A11151.
- 113.17 Remove the PLATE INBD P/N 8G7130A11151 from the helicopter.
- 113.18 Remove the parts that attach the DRAIN SCUPPER ASSY P/N 4F7170A05031 to the adjacent structure. Refer to View B of [Figure 10](#).
- 113.19 Remove the rivets that attach all the CLAMP HINGED SENSOR P/N 7C31-1AA installed on the PLATE OUTBD P/N 8G7130A11251. Refer to View B of [Figure 10](#).
- 113.20 Remove all the CLAMP HINGED SENSOR P/N 7C31-1AA from the PLATE OUTBD P/N 8G7130A11251.
- 113.21 Remove the PLATE OUTBD P/N 8G7130A11251 from the helicopter.
- 113.22 Remove the rivets that attach the WL2650 PLATE UPPER JOINT LHS P/N 8G5333P03752 to the adjacent structure.
- 113.23 Remove the WL2650 PLATE UPPER JOINT LHS P/N 8G5333P03752 from the helicopter.
- 113.24 Remove the parts that attach the EBD REAR AFT LH P/N 4F7170L03131 to the adjacent structure. Refer to View D of [Figure 10](#).

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- 113.25 Remove the rivets that attach the HINGE COVER LH AFT P/N 4F7130A20952 to the adjacent structure. Refer to View D of [Figure 10](#).
- 113.26 Remove the HINGE COVER LH AFT P/N 4F7130A20952 from the helicopter.
- 113.27 Remove the rivets that attach the HINGE COVER LH FWD P/N 4F7130A20752 to the adjacent structure. Refer to View G of [Figure 10](#).
- 113.28 Remove the HINGE COVER LH FWD P/N 4F7130A20752 from the helicopter.
- 113.29 Remove the rivets that attach the MACHINED CORNER SUPPORT LH P/N 4F7130A28352 to the adjacent structure. Refer to View F of [Figure 10](#).
- 113.30 Remove the MACHINED CORNER SUPPORT LH P/N 4F7130A28352 from the helicopter.
- 113.31 Remove the rivets that attach the COVER PLATE LH INTAKE P/N 4F7110A52151 to the adjacent structure. Refer to View H of [Figure 10](#).
- 113.32 Remove the COVER PLATE LH INTAKE P/N 4F7110A52151 from the helicopter.
- 113.33 Remove the rivets that attach the COVER FIREWALL LH P/N 8G7130A00751 to the adjacent structure. Refer to View N of [Figure 10](#).
- 113.34 Remove the COVER FIREWALL LH P/N 8G7130A00751 from the helicopter.
- 113.35 Remove the rivets that attach the STA5700 UPPER EXTERNAL STRAP LH P/N 8G5300A02451 to the adjacent structure. Refer to View L of [Figure 10](#).
- 113.36 Remove the STA5700 UPPER EXTERNAL STRAP LH P/N 8G5300A02451 from the helicopter.
- 113.37 Remove the rivets that attach the STA 5700 DECK JOINT PLATE LHS P/N 8G5333A09451 to the adjacent structure. Refer to View M of [Figure 10](#).
- 113.38 Remove the STA 5700 DECK JOINT PLATE LHS P/N 8G5333A09451 from the helicopter.
- 113.39 Get access to the lower side of the LHS ENGINE FLOOR P/N 8G5333A09852.
- 113.40 Remove the relays K221 and K223. Refer to View Q of [Figure 10](#) and to [89-A-20-10-10-01A-520A-A](#).
- 113.41 Remove the relay sockets of the relays K221 and K223 from the DISCONNECT BRACKET P/N 8G5333A10951. Refer to View Q of [Figure 10](#) and to [89-A-20-10-10-01A-520B-A](#).
- 113.42 Remove the parts that attach the electrical connectors P257 and J257 to the DISCONNECT BRACKET P/N 8G5333A10951. Refer to View Q of [Figure 10](#).
- 113.43 Remove the parts that attach the clamp of the AC MAIN GENERATION C/A (F2A103) P/N 4F9F12A10302 to the LHS ENGINE FLOOR P/N 8G5333A09852. Refer to View Q of [Figure 10](#).
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- 113.44 Remove the parts that attach the TUBING, FLEXIBLE, CONVOLUTED P/N A413A16-1800F20001 to the DUCT, DRAIN, INTAKE, REAR BAY P/N 70168A020001. Refer to View Q of [Figure 10](#).
- 113.45 Move the TUBING, FLEXIBLE, CONVOLUTED P/N A413A16-1800F20001 away from the DUCT, DRAIN, INTAKE, REAR BAY P/N 70168A020001.
- 113.46 Remove the parts that attach the DUCT, DRAIN, INTAKE, REAR BAY P/N 70168A020001 to the jet pump. Refer to [89-A-21-40-09-00A-520A-A](#).
- 113.47 Remove the parts that attach the DUCT, DRAIN, INTAKE, REAR BAY P/N 70168A020001 to the SPIGOT, SUPPORT, AIR INTAKE P/N 70255A010001. Refer to View Q of [Figure 10](#).
- 113.48 Carefully disconnect the DUCT, DRAIN, INTAKE, REAR BAY P/N 70168A020001 from the SPIGOT, SUPPORT, AIR INTAKE P/N 70255A010001 and from the jet pump.
- 113.49 Carefully remove the DUCT, DRAIN, INTAKE, REAR BAY P/N 70168A020001 from the helicopter.
- 113.50 Remove the parts that attach the DUCT, HEATING INTAKE, TRANSITION P/N 70702A010001 to the DUCT, HEATING INTAKE, SPIGOT P/N 70703A010001. Refer to View Q of [Figure 10](#).
- 113.51 Carefully disconnect the DUCT, HEATING INTAKE, TRANSITION P/N 70702A010001 from the DUCT, HEATING INTAKE, SPIGOT P/N 70703A010001 and from the AIR INTAKE, HEATING, ELBOW P/N 70167A010001.
- 113.52 Carefully remove the DUCT, HEATING INTAKE, TRANSITION P/N 70702A010001 from the helicopter.
- 113.53 Remove the parts that attach the AIR INTAKE, HEATING, ELBOW P/N 70167A010001 to the SPIGOT, SUPPORT, AIR INTAKE P/N 70255A010001. Refer to View Q of [Figure 10](#).
- 113.54 Carefully disconnect the AIR INTAKE, HEATING, ELBOW P/N 70167A010001 from the SPIGOT, SUPPORT, AIR INTAKE P/N 70255A010001.
- 113.55 Carefully remove the AIR INTAKE, HEATING, ELBOW P/N 70167A010001 from the helicopter.
- 113.56 Remove the parts that attach the EBD FWD INTERNAL 2 LH P/N 4F7170L04331 to the LHS ENGINE FLOOR P/N 8G5333A09852. Refer to View Q of [Figure 10](#).
- 113.57 Disconnect the EBD FWD INTERNAL 2 LH P/N 4F7170L04331 from the EBD FWD INTERNAL 1 LH P/N 4F7170L04131.
- 113.58 Carefully remove the EBD FWD INTERNAL 2 LH P/N 4F7170L04331 from the helicopter.
- 113.59 Remove the parts that attach the EBD FWD INTERNAL 1 LH P/N 4F7170L04131 to the LHS ENGINE FLOOR P/N 8G5333A09852. Refer to View Q of [Figure 10](#).
- 113.60 Disconnect the EBD FWD INTERNAL 1 LH P/N 4F7170L04131 from the APU 3 WAY FITTING P/N 4F7170L02631.
- 113.61 Carefully remove the EBD FWD INTERNAL 1 LH P/N 4F7170L04131 from the helicopter.

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- 113.62 Disconnect the HOSE, APU DRAIN LINE P/N 8G2820V01151 from the FITTING ELBOW P/N AS1038T0404. Refer to View Q and View S of [Figure 10](#).
- 113.63 Remove the parts that attach all the clamps that holds the HOSE, APU DRAIN LINE P/N 8G2820V01151 to the adjacent structure.
- 113.64 Carefully remove the HOSE, APU DRAIN LINE P/N 8G2820V01151 from the outboard side of the BL550 AFT LONGERON LH P/N 4F5333A72051.
- 113.65 Remove the parts that attach the PIPE ASSY P/N 8G2820A01231 to the LHS ENGINE FLOOR P/N 8G5333A09852. Refer to View Q of [Figure 10](#).
- 113.66 Carefully disconnect the PIPE ASSY P/N 8G2820A01231 from the PIPE ASSY P/N 8G2820A03233. Refer to View Q of [Figure 10](#).
- 113.67 Remove the PIPE ASSY P/N 8G2820A01231 from the helicopter.
- 113.68 Remove the parts that hold together the clamps of these components:
- The EBD FWD EXTERNAL LH P/N 4F7170L03931
 - The ENGINE DRY DRAINS PIPE ASSY UPPER LH P/N 4F7170A05231
 - The D1 DRAIN PIPE ASSY UPPER LH P/N 4F7170A04431.
- Refer to View Q and View R of [Figure 10](#).
- 113.69 Remove the parts that attach these components to the adjacent structure:
- The ENGINE DRY DRAINS PIPE ASSY UPPER LH P/N 4F7170A05231
 - The D1 DRAIN PIPE ASSY UPPER LH P/N 4F7170A04431.
- Refer to View R of [Figure 10](#).
- 113.70 Disconnect the D1 DRAIN PIPE ASSY UPPER LH P/N 4F7170A04431 from the RING,TUBE CONNECTOR P/N NAS595-4E and from the FITTING, UNION, BULKHEAD, REDUCER P/N AS1037J0405. Refer to View R of [Figure 10](#).
- 113.71 Remove the D1 DRAIN PIPE ASSY UPPER LH P/N 4F7170A04431 from the helicopter.
- 113.72 Disconnect the DRAIN SCUPPER ASSY P/N 4F7170A05031 from the ENGINE DRY DRAINS PIPE ASSY UPPER LH P/N 4F7170A05231. Refer to View Q of [Figure 10](#).
- 113.73 Remove the DRAIN SCUPPER ASSY P/N 4F7170A05031 from the helicopter.
- 113.74 Disconnect the ENGINE DRY DRAINS PIPE ASSY UPPER LH P/N 4F7170A05231 from the RING,TUBE CONNECTOR P/N NAS595-8E. Refer to View R of [Figure 10](#).
- 113.75 Remove the ENGINE DRY DRAINS PIPE ASSY UPPER LH P/N 4F7170A05231 from the helicopter
- 113.76 Remove the parts that attach the EBD FWD EXTERNAL LH P/N 4F7170L03931 to the LHS ENGINE FLOOR P/N 8G5333A09852. Refer to View Q of [Figure 10](#).
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- 113.77 Disconnect the EBD FWD EXTERNAL LH P/N 4F7170L03931 from the E.B.D. 4 WAYS FITTING P/N 4F7170L00851. Refer to View R of [Figure 10](#).
- 113.78 Remove the EBD FWD EXTERNAL LH P/N 4F7170L03931 from the helicopter.
- 113.79 Remove the parts that hold together the clamps of these components:
- The PIPE ASSY P/N 8G2820A01732
 - The PIPE ASSY P/N 8G2820A03233
 - The HOSE, ENGINE DRAIN LINE, LHS 8G2820V00851.
- Refer to View R of [Figure 10](#).
- 113.80 Carefully remove the PIPE ASSY P/N 8G2820A03233 from the helicopter. Refer to View R of [Figure 10](#).
- 113.81 Remove the parts that attach the clamp of the PIPE ASSY P/N 8G2820A01732 to the BL550 AFT LONGERON LH P/N 4F5333A72051. Refer to View S of [Figure 10](#).
- 113.82 Carefully cut the connection between the PIPE ASSY P/N 8G2820A01732 and the PIPE ASSY P/N 8G2820A02131 and the PIPE ASSY P/N 8G2820A03133.
- 113.83 Carefully remove the PIPE ASSY P/N 8G2820A01732 from the BL550 AFT LONGERON LH P/N 4F5333A72051. Then, remove it from the helicopter.
- 113.84 Remove the parts that attach the clamp of the PIPE ASSY P/N 8G2820A02131 to the BL550 AFT LONGERON LH P/N 4F5333A72051. Refer to View S of [Figure 10](#).
- 113.85 Disconnect the PIPE ASSY P/N 8G2820A02131 from the FITTING P/N MS21924J6. Refer to View Q of [Figure 10](#).
- 113.86 Remove the PIPE ASSY P/N 8G2820A02131 from the helicopter.
- 113.87 Remove the parts that attach the clamp of the PIPE ASSY P/N 8G2820A03133 to the FUEL COMPARTMENT ASSY P/N 8G5330A37431. Refer to View R of [Figure 10](#).
- 113.88 Remove the PIPE ASSY P/N 8G2820A03133 from the helicopter.
- 113.89 Disconnect the VENT LINE HOSE P/N 8G2880V00151 from the Number 1 tank. Refer to [89-B-28-11-01-00A-520A-A](#).
- 113.90 Carefully cut the VENT LINE HOSE P/N 8G2880A02132 in an applicable position that will let you remove the BL550 AFT LONGERON LH P/N 4F5333A72051. Refer to View T of [Figure 10](#).
- 113.91 Remove the applicable ground protections from the ground strap of the VENT LINE HOSE P/N 8G2880A02132. Refer to the applicable steps of [89-A-20-10-01-00A-259A-A](#).
- 113.92 Remove the parts that attach the ground strap to the VENT LINE HOSE P/N 8G2880A02132.
- 113.93 Remove the parts that attach clamps of the cut part of the VENT LINE HOSE P/N 8G2880A02132 to the helicopter structure.

- 113.94 Remove the cut part of the VENT LINE HOSE P/N 8G2880A02132 with the VENT LINE HOSE P/N 8G2880V00151 from the helicopter.
- 113.95 Disconnect the HOSE, ENGINE DRAIN LINE, LHS 8G2820V00851 from the FITTING, UNION, BULKHEAD P/N AS5406T04H. Refer to View R of [Figure 10](#).
- 113.96 Remove the HOSE, ENGINE DRAIN LINE, LHS 8G2820V00851 from the aft side of the ENGINE EXTERNAL FITTING LHS P/N 8G5333A04551.
- 113.97 Get access to the upper side of the LHS ENGINE FLOOR P/N 8G5333A09852.
- 113.98 Remove the rivets that attach the LEFT ANGLE P/N 4F7130A15351 to the adjacent structures. Refer to View P of [Figure 10](#).
- 113.99 Remove the LEFT ANGLE P/N 4F7130A15351 from the helicopter.
- 113.100 Remove the rivets that attach the ENGINE FLOOR LHS P/N 8G5333A09852 to the adjacent structures. Refer to View P of [Figure 10](#).
- 113.101 Remove the ENGINE FLOOR LHS P/N 8G5333A09852 from the helicopter.
- 114 Remove the ENGINE LEFT REINFORCEMENT P/N 8G5333A04851 (refer to [Figure 11](#)) as follows:
 - 114.1 Get access to the ENGINE LEFT REINFORCEMENT P/N 8G5333A04851.
 - 114.2 Remove the rivets that attach the STA 6422 JOINT UPPER LHS P/N 4F5333A74851 to the adjacent structures.
 - 114.3 Remove the STA 6422 JOINT UPPER LHS P/N 4F5333A74851 from the helicopter.
 - 114.4 Remove the rivets that attach the STA 6422 JOINT LOWER LHS P/N 4F5333A73051 to the adjacent structures.
 - 114.5 Remove the STA 6422 JOINT LOWER LHS P/N 4F5333A73051 from the helicopter.
 - 114.6 Remove the rivets that attach the ENGINE LEFT REINFORCEMENT P/N 8G5333A04851 to the adjacent structures.
 - 114.7 Move the ENGINE LEFT REINFORCEMENT P/N 8G5333A04851 inboard for 2 mm (0.0787 in).
 - 114.8 Turn the ENGINE LEFT REINFORCEMENT P/N 8G5333A04851 30° counterclockwise around its vertical axis.
 - 114.9 Turn the ENGINE LEFT REINFORCEMENT P/N 8G5333A04851 5° counterclockwise around its horizontal axis.
 - 114.10 Move the ENGINE LEFT REINFORCEMENT P/N 8G5333A04851 outboard for 2 mm (0.0787 in).

- 114.11 Record this position of the ENGINE LEFT REINFORCEMENT P/N 8G5333A04851 on the adjacent structures. This will help you to install it in the same position.
- 114.12 Move the ENGINE LEFT REINFORCEMENT P/N 8G5333A04851 vertically until you remove it from the helicopter.
- 115 Remove the STA6700 FRAME REINFORCEMENT P/N 8G5333A49351 (refer to [Figure 12](#)) as follows:
- 115.1 Get access to the aft part of the STA6700 FRAME REINFORCEMENT P/N 8G5333A49351.
- 115.2 Remove the applicable ground protections from the GROUND POINT P/N 4F5315A19451. Refer to the applicable steps of [89-A-20-10-01-00A-259A-A](#).
- 115.3 Remove the parts that attach these cable assemblies to the GROUND POINT P/N 4F5315A19451:
- The AC MAIN GENERATION C/A (C1A133) P/N 8G9C01A13301
 - The AC MAIN GENERATION C/A (C1A135) P/N 8G9C01A13501.
- Refer to View B of [Figure 12](#).
- 115.4 Move these cable assemblies away from the GROUND POINT P/N 4F5315A19451:
- The AC MAIN GENERATION C/A (C1A133) P/N 8G9C01A13301
 - The AC MAIN GENERATION C/A (C1A135) P/N 8G9C01A13501.
- 115.5 Remove the rivets that attach the GROUND POINT P/N 4F5315A19451 to the adjacent structure. Refer to View A and View B of [Figure 12](#).
- 115.6 Remove the GROUND POINT P/N 4F5315A19451 from the helicopter.
- 115.7 Remove the rivets that attach the ANGLE P/N 4F5333A23551 to the adjacent structure. Refer to View A and View B of [Figure 12](#).
- 115.8 Remove the ANGLE P/N 4F5333A23551 from the helicopter.
- 115.9 Remove the remaining rivets that attach the STA6700 FRAME REINFORCEMENT P/N 8G5333A49351 to the adjacent structure. Refer to View A of [Figure 12](#).
- 115.10 Remove the STA6700 FRAME REINFORCEMENT P/N 8G5333A49351 from the helicopter.
- 116 Remove the BL550 AFT LONGERON LH P/N 4F5333A72051 (refer to [Figure 13](#)) as follows:
- 116.1 Get access to the aft part of the BL550 AFT LONGERON LH P/N 4F5333A72051.
- 116.2 Remove the rivets that attach the BL-550 STRAP P/N 8G5300A01351 to the adjacent structures. Refer to View A and Section E-E of [Figure 13](#).
- 116.3 Remove the BL-550 STRAP P/N 8G5300A01351 from the helicopter.
- 116.4 Get access to the forward part of the BL550 AFT LONGERON LH P/N 4F5333A72051.

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- 116.5 Remove the rivets that attach the DOUBLER P/N 8G5333A29352 to the adjacent structures. Refer to View B and View C of [Figure 13](#).
- 116.6 Remove the DOUBLER P/N 8G5333A29352 and the SHIM P/N 8G5333A29252 from the helicopter.
- 116.7 Remove the remaining rivets that attach the BL550 FITTING OUTBD LHS SLOTTED P/N 8G5333A28852 to the adjacent structures. Refer to View B and View C of [Figure 13](#).
- 116.8 Remove the BL550 FITTING OUTBD LHS SLOTTED P/N 8G5333A28852 from the helicopter.
- 116.9 Remove the rivets that attach the STA 6025 BULKHEAD LHS P/N 4F5333A49253 to the adjacent structures. Refer to [Figure 13](#).
- 116.10 Remove the rivets that attach the REINFORCEMENT LHS P/N 8G5333A13351 to the adjacent structures. Refer to [Figure 13](#).
- 116.11 Move the STA 6025 BULKHEAD LHS P/N 4F5333A49253 and the REINFORCEMENT LHS P/N 8G5333A13351 in a position that let you remove the BL550 AFT LONGERON LH P/N 4F5333A72051.
- 116.12 Remove the remaining rivets that attach the BL550 AFT LONGERON LH P/N 4F5333A72051 to the adjacent structures. Refer to View D of [Figure 13](#).
- 116.13 Remove the BL550 AFT LONGERON LH P/N 4F5333A72051 as follows:
- 116.13.1 Move the BL550 AFT LONGERON LH P/N 4F5333A72051 forward for 1 mm (0.0394 in).
- 116.13.2 Turn the BL550 AFT LONGERON LH P/N 4F5333A72051 4° counterclockwise around the forward edge of the ENGINE EXTERNAL FITTING LHS P/N 8G5333A04551.
- 116.13.3 Move the BL550 AFT LONGERON LH P/N 4F5333A72051 inboard for 15 mm (0.5905 in).
- 116.13.4 Turn the BL550 AFT LONGERON LH P/N 4F5333A72051 10° counterclockwise around the forward edge of the ENGINE EXTERNAL FITTING LHS P/N 8G5333A04551.
- 116.13.5 Move the BL550 AFT LONGERON LH P/N 4F5333A72051 forward for 20 mm (0.7874 in).
- 116.13.6 Move the BL550 AFT LONGERON LH P/N 4F5333A72051 inboard for 15 mm (0.5905 in).
- 116.13.7 Record this position of the BL550 AFT LONGERON LH P/N 4F5333A72051 on the adjacent structures. This will help you to install it in the same position.
- 116.13.8 Move the BL550 AFT LONGERON LH P/N 4F5333A72051 vertically until you remove it from the helicopter.
- 117 Prepare the new [BL550 AFT LONGERON LH \(4F5333A72051\)](#) as follows:
- 117.1 Put the new and the removed BL550 AFT LONGERON LH P/N 4F5333A72051 on an applicable work table.
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- 117.2 Measure and record the position of these parts on the removed BL550 AFT LONGERON LH P/N 4F5333A72051:
- The standoff P/N A366A3E12C
 - The anchor nut P/N AW001TL3A06T.
- 117.3 Install these parts on the new BL550 AFT LONGERON LH P/N 4F5333A72051:
- The new [Standoff \(A366A3E12C\)](#)
 - The new [Anchor nut \(AW001TL3A06T\)](#) .
- To do this, use the [Acrylic adhesive \(C249\)](#) and the Pressure Application Fixture (PAF). Make sure that you install them in the same position recorded in the step above.
- 117.4 Measure and record the position of the BRACKET, HEATING INTAKE P/N 8G2140A00651 on the removed BL550 AFT LONGERON LH P/N 4F5333A72051.
- 117.5 Install the new [BRACKET, HEATING INTAKE \(8G2140A00651\)](#) on the new BL550 AFT LONGERON LH P/N 4F5333A72051. To do this, use the [Adhesive \(C021\)](#) . Make sure that you install it in the same position recorded in the step above.
- 118 Prepare the new [ENGINE FLOOR LHS \(8G5333A09852\) \(8G5333A09852D\)](#) as follows:
- 118.1 Put the new and the removed ENGINE FLOOR LHS P/N 8G5333A09852 on an applicable work table.
- 118.2 Remove the six rivets P/N NAS1720H5L2A that attach the DISCONNECT BRACKET P/N 8G5333A10951 from the removed ENGINE FLOOR LHS P/N 8G5333A09852. Refer to View Q of [Figure 10](#).
- 118.3 Put the DISCONNECT BRACKET P/N 8G5333A10951 in its position on the new ENGINE FLOOR LHS P/N 8G5333A09852 or P/N 8G5333A09852D.
- 118.4 Install the six rivets P/N NAS1720H5L2A that attach the DISCONNECT BRACKET P/N 8G5333A10951 from the new ENGINE FLOOR LHS P/N 8G5333A09852 or P/N 8G5333A09852D.
- 118.5 Measure and record the position of the standoff P/N A388A3E12C on the removed ENGINE FLOOR LHS P/N 8G5333A09852. Refer to View Q of [Figure 10](#).
- 118.6 Install the new [Standoff \(A388A3E12C\)](#) on the new ENGINE FLOOR LHS P/N 8G5333A09852 or P/N 8G5333A09852D. To do this, use the [Acrylic adhesive \(C249\)](#) and the Pressure Application Fixture (PAF). Make sure that you install it in the same position recorded in the step above.
- 118.7 Measure and record the position of the standoff P/N A366A3E08C75 on the removed ENGINE FLOOR LHS P/N 8G5333A09852.
- 118.8 Install the new [Standoff \(A366A3E08C75\)](#) on the new ENGINE FLOOR LHS P/N 8G5333A09852 or P/N 8G5333A09852D. To do this, use the [Acrylic adhesive \(C249\)](#) and the Pressure Application Fixture (PAF). Make sure that you install it in the same position recorded in the step above.
- 118.9 Measure and record the position of the remaining 22 CLAMP HINGED SENSOR P/N 7C31-1AA on the removed ENGINE FLOOR LHS P/N 8G5333A09852.

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- 118.10 Remove the 44 rivets P/N NAS1720C4L2P that attach the remaining 22 CLAMP HINGED SENSOR P/N 7C31-1AA on the removed ENGINE FLOOR LHS P/N 8G5333A09852.
- 118.11 Make sure that the positions recorded in the [step 118.9](#) are available on the new ENGINE FLOOR LHS P/N 8G5333A09852 or P/N 8G5333A09852D. If necessary, record the missing positions on the new ENGINE FLOOR LHS P/N 8G5333A09852 or P/N 8G5333A09852D. Then, drill all the holes to let the installation of the rivets P/N NAS1720C4L2P for the missing positions.
- 118.12 Install the 44 rivets P/N NAS1720C4L2P that attach the 22 CLAMP HINGED SENSOR P/N 7C31-1AA on the new ENGINE FLOOR LHS P/N 8G5333A09852 or P/N 8G5333A09852D.
- 118.13 Apply the [Sealing compound \(C032\)](#) on the exposed surface of the 44 rivets P/N NAS1720C4L2P.
- 118.14 Measure and record the cut-out on the forward central part of the removed ENGINE FLOOR LHS P/N 8G5333A09852.
- 118.15 Do the cut-out on the new ENGINE FLOOR LHS P/N 8G5333A09852 or P/N 8G5333A09852D. Make sure that you do the same cut-out recorded in the step above.
- 118.16 Compare the position of the rivet holes between the removed and the new ENGINE FLOOR LHS P/N 8G5333A09852 or P/N 8G5333A09852D.
- 118.17 If you find some missing positions, measure and record the missing positions on the removed ENGINE FLOOR LHS P/N 8G5333A09852. Then, drill all the holes to let the installation of the rivets for the missing positions on the new ENGINE FLOOR LHS P/N 8G5333A09852 or P/N 8G5333A09852D.
- 118.18 Remove the applicable ground protections from the FITTING, UNION, BULKHEAD P/N AS5406T04H. Refer to the applicable steps of [89-A-20-10-01-00A-259A-A](#).
- 118.19 Remove the FITTING, UNION, BULKHEAD P/N AS5406T04H and the FITTING, UNION, BULKHEAD, REDUCER P/N AS1037J0405 from the removed ENGINE FLOOR LHS P/N 8G5333A09852.
- 118.20 To get the correct ground connection of the FITTING, UNION, BULKHEAD P/N AS5406T04H, follow the applicable procedure. Refer to the applicable steps of [89-A-20-10-01-00A-259A-A](#).
- 118.21 Apply the [Sealing compound \(C032\)](#) to the mating surfaces between the FITTING, UNION, BULKHEAD, REDUCER P/N AS1037J0405 and the ENGINE FLOOR LHS P/N 8G5333A09852 or P/N 8G5333A09852D.
- 118.22 Install the FITTING, UNION, BULKHEAD P/N AS5406T04H and the FITTING, UNION, BULKHEAD, REDUCER P/N AS1037J0405 from the new ENGINE FLOOR LHS P/N 8G5333A09852 or P/N 8G5333A09852D.
- 118.23 Tighten the FITTING, UNION, BULKHEAD P/N AS5406T04H and the FITTING, UNION, BULKHEAD, REDUCER P/N AS1037J0405 to the standard torque value with the [Torque wrench \(ZZ-00-00\)](#) . Refer to [89-A-20-20-00-00A-711A-A](#).
- 118.24 Apply the [Sealing compound \(C032\)](#) to the contour of the FITTING, UNION, BULKHEAD P/N AS5406T04H.
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- 119 Install the BL550 AFT LONGERON LH P/N 4F5333A72051 (refer to [Figure 13](#)) as follows:
- 119.1 Examine the REINFORCEMENT LHS P/N 8G5333A13351 and the STA 6025 BULKHEAD LHS P/N 4F5333A49253. Make sure that they are in good condition.
- 119.2 If they are not in a good conditions, do as follows:
- 119.2.1 Put and secure the new [REINFORCEMENT LHS \(8G5333A13351\) \(8G5333A13351A\)](#) and the new [STA 6025 BULKHEAD LHS \(4F5333A49253\) \(4F5333A49253A\)](#) on the structure. Refer to [step 119.3](#).
- 119.2.2 If you get the REINFORCEMENT LHS as P/N 8G5333A13351A and the STA 6025 BULKHEAD LHS as P/N 4F5333A49253A, do as follows:
- 119.2.2.1 Put and secure in their positions the REINFORCEMENT LHS P/N 8G5333A13351A and the STA 6025 BULKHEAD LHS P/N 4F5333A49253A on the structure. Refer to [step 119.3](#).
- 119.2.2.2 Make sure that the REINFORCEMENT LHS P/N 8G5333A13351A and the STA 6025 BULKHEAD LHS P/N 4F5333A49253A are correctly aligned.
- 119.2.2.3 Countermark the position of the 11 pin holes on the lower part of the REINFORCEMENT LHS P/N 8G5333A13351A.
- 119.2.2.4 Countermark the position of the two pin holes on the lower part of the STA 6025 BULKHEAD LHS P/N 4F5333A49253A.
- 119.2.2.5 Countermark the position of the two rivet holes on the lower part of the STA 6025 BULKHEAD LHS P/N 4F5333A49253A.
- 119.2.2.6 Put and hold the access panel 228A in its position on the structure.
- 119.2.2.7 Countermark the position of the three nut plate holes on the lower part of the REINFORCEMENT LHS P/N 8G5333A13351A.
- 119.2.2.8 Countermark the position of the six nut plate holes on the lower part of the STA 6025 BULKHEAD LHS P/N 4F5333A49253A.
- 119.2.2.9 Remove the BL550 AFT LONGERON LH P/N 4F5333A72051. Refer to [step 116.13](#).
- 119.2.2.10 Remove these parts from the structure:
- The access panel 228A
 - The REINFORCEMENT LHS P/N 8G5333A13351A
 - The STA 6025 BULKHEAD LHS P/N 4F5333A49253A.
- 119.2.2.11 Drill the 14 pilot holes on the lower part of the REINFORCEMENT LHS P/N 8G5333A13351A.
- 119.2.2.12 Drill the 10 pilot holes on the lower part of the STA 6025 BULKHEAD LHS P/N 4F5333A49253A.

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- 119.2.2.13 Put and secure in their positions the REINFORCEMENT LHS P/N 8G5333A13351A and the STA 6025 BULKHEAD LHS P/N 4F5333A49253A on the structure. Refer to [step 119.3](#).
- 119.2.2.14 Make sure that the REINFORCEMENT LHS P/N 8G5333A13351A and the STA 6025 BULKHEAD LHS P/N 4F5333A49253A are correctly aligned.
- 119.2.2.15 Remove the BL550 AFT LONGERON LH P/N 4F5333A72051. Refer to [step 116.13](#).
- 119.2.2.16 Remove these parts from the structure:
- The REINFORCEMENT LHS P/N 8G5333A13351A
 - The STA 6025 BULKHEAD LHS P/N 4F5333A49253A.
- 119.2.2.17 Drill these holes on the REINFORCEMENT LHS P/N 8G5333A13351A:
- The 37 pin holes □ 4,13 mm (0.163 in)
 - The three nut plate holes □ 6.38 mm (0.251 in).
- 119.2.2.18 Drill these holes on the STA 6025 BULKHEAD LHS P/N 4F5333A49253A:
- The two rivet holes □ 4.10 mm (0.161 in)
 - The 28 pin holes □ 4,13 mm (0.163 in)
 - The six nut plate holes □ 6.38 mm (0.251 in).
- 119.2.2.19 Put and secure in their positions the REINFORCEMENT LHS P/N 8G5333A13351A and the STA 6025 BULKHEAD LHS P/N 4F5333A49253A on the structure. Refer to [step 119.3](#).
- 119.2.2.20 Put ad hold the access panel 228A in its position on the structure.
- 119.2.2.21 Make sure that all the holes in the REINFORCEMENT LHS P/N 8G5333A13351A and in the STA 6025 BULKHEAD LHS P/N 4F5333A49253A are correctly aligned to the one on the structure.
- 119.2.2.22 Remove the BL550 AFT LONGERON LH P/N 4F5333A72051. Refer to [step 116.13](#).
- 119.2.2.23 Remove these parts from the structure:
- The access panel 228A
 - The REINFORCEMENT LHS P/N 8G5333A13351A
 - The STA 6025 BULKHEAD LHS P/N 4F5333A49253A.
- 119.2.2.24 Apply the polyurethane paint (n° 17875) to the REINFORCEMENT LHS P/N 8G5333A13351A and the STA 6025 BULKHEAD LHS P/N 4F5333A49253A. Refer to [CSR-P-A-51-21-01-02A-257A-D](#).
- 119.2.3 Install the thee [Nut plate \(A900A3E2-02\)](#) on the new REINFORCEMENT LHS P/N 8G5333A13351 or P/N 8G5333A13351A. Refer to the applicable steps of [CSPP-A-20-40-02-00A-920A-D](#).
- 119.2.4 Install the six [Nut plate \(A900A3E2-02\)](#) on the STA 6025 BULKHEAD LHS P/N 4F5333A49253 or P/N 4F5333A49253A. Refer to the applicable steps of [CSPP-A-20-40-02-00A-920A-D](#).
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- 119.3 Put the BL550 AFT LONGERON LH P/N 4F5333A72051 in its position as follows:
- 119.3.1 Put the REINFORCEMENT LHS P/N 8G5333A13351 and the STA 6025 BULKHEAD LHS P/N 4F5333A49253 adjacent to their position on the structure. Make sure that these positions let the installation of the BL550 AFT LONGERON LH P/N 4F5333A72051.
- 119.3.2 Carefully put the BL550 AFT LONGERON LH P/N 4F5333A72051 in the same position recorded in the [step 116.13.7](#).
- 119.3.3 Move the BL550 AFT LONGERON LH P/N 4F5333A72051 outboard for 15 mm (0.5905 in).
- 119.3.4 Move the BL550 AFT LONGERON LH P/N 4F5333A72051 rearward for 20 mm (0.7874 in).
- 119.3.5 Turn the BL550 AFT LONGERON LH P/N 4F5333A72051 10° clockwise around the forward edge of the ENGINE EXTERNAL FITTING LHS P/N 8G5333A04551.
- 119.3.6 Move the BL550 AFT LONGERON LH P/N 4F5333A72051 outboard for 15 mm (0.5905 in).
- 119.3.7 Turn the BL550 AFT LONGERON LH P/N 4F5333A72051 4° clockwise around the forward edge of the ENGINE EXTERNAL FITTING LHS P/N 8G5333A04551.
- 119.3.8 Move the BL550 AFT LONGERON LH P/N 4F5333A72051 forward for 1 mm (0.0394 in).
- 119.3.9 Put the REINFORCEMENT LHS P/N 8G5333A13351 and the STA 6025 BULKHEAD LHS P/N 4F5333A49253 in their correct position on the adjacent structure. If you can not put them in their correct position, contact the Design Authority.
- 119.4 Install the rivets that attach the REINFORCEMENT LHS P/N 8G5333A13351 to the adjacent structures. Refer to [Figure 13](#).
- 119.5 Install the rivets that attach the STA 6025 BULKHEAD LHS P/N 4F5333A49253 to the adjacent structures. Refer to [Figure 13](#).
- 119.6 Install the rivets that attach the BL550 AFT LONGERON LH P/N 4F5333A72051 to the adjacent structures. Refer to View D of [Figure 13](#).
- 119.7 Put these components in their positions on the BL550 AFT LONGERON LH P/N 4F5333A72051:
- The BL550 FITTING OUTBD LHS SLOTTED P/N 8G5333A28852
 - The SHIM P/N 8G5333A29252
 - The DOUBLER P/N 8G5333A29352.
- Refer to View B and View C of [Figure 13](#).
- 119.8 Install the rivets that attach these components between them and to the adjacent structures:
- The BL550 FITTING OUTBD LHS SLOTTED P/N 8G5333A28852
 - The SHIM P/N 8G5333A29252
 - The DOUBLER P/N 8G5333A29352.

Refer to View B and View C of [Figure 13](#).

- 119.9 Put the BL-550 STRAP P/N 8G5300A01351 in its position.
- 119.10 Install the rivets that attach the BL-550 STRAP P/N 8G5300A01351 to the adjacent structures. Refer to View A and Section E-E of [Figure 13](#).
- 120 Install the STA6700 FRAME REINFORCEMENT P/N 8G5333A49351 (refer to [Figure 12](#)) as follows:
- 120.1 Put these components in their positions:
- The STA6700 FRAME REINFORCEMENT P/N 8G5333A49351
 - The ANGLE P/N 4F5333A23551
 - The GROUND POINT P/N 4F5315A19451.
- Refer to View A and View B of [Figure 12](#).
- 120.2 Install the rivets that attach these components between them and to the adjacent structures:
- The STA6700 FRAME REINFORCEMENT P/N 8G5333A49351
 - The ANGLE P/N 4F5333A23551
 - The GROUND POINT P/N 4F5315A19451.
- Refer to View A and View B of [Figure 12](#).
- 120.3 To get the correct ground connection of the GROUND POINT P/N 4F5315A19451, follow the applicable procedure. Refer to the applicable steps of [89-A-20-10-01-00A-259A-A](#).
- 120.4 Put these cable assemblies in their position on the GROUND POINT P/N 4F5315A19451:
- The AC MAIN GENERATION C/A (C1A133) P/N 8G9C01A13301
 - The AC MAIN GENERATION C/A (C1A135) P/N 8G9C01A13501.
- 120.5 Install the parts that attach these cable assemblies to the GROUND POINT P/N 4F5315A19451:
- The AC MAIN GENERATION C/A (C1A133) P/N 8G9C01A13301
 - The AC MAIN GENERATION C/A (C1A135) P/N 8G9C01A13501.
- Refer to View B of [Figure 12](#).
- 121 Install the ENGINE LEFT REINFORCEMENT P/N 8G5333A04851 (refer to [Figure 11](#)) as follows:
- 121.1 Carefully put the ENGINE LEFT REINFORCEMENT P/N 8G5333A04851 in the same position recorded in the [step 114.11](#).
- 121.2 Move the ENGINE LEFT REINFORCEMENT P/N 8G5333A04851 inboard for 2 mm (0.0787 in).
- 121.3 Turn the ENGINE LEFT REINFORCEMENT P/N 8G5333A04851 5° clockwise around its horizontal axis.
- 121.4 Turn the ENGINE LEFT REINFORCEMENT P/N 8G5333A04851 30° clockwise around its vertical axis.
- 121.5 Move the ENGINE LEFT REINFORCEMENT P/N 8G5333A04851 outboard for 2 mm (0.0787 in).

- 121.6 Put these components in their positions:
- The ENGINE LEFT REINFORCEMENT P/N 8G5333A04851
 - The STA 6422 JOINT UPPER LHS P/N 4F5333A74851
 - The STA 6422 JOINT LOWER LHS P/N 4F5333A73051.
- 121.7 Install the rivets that attach these components between them and to the adjacent structures:
- The ENGINE LEFT REINFORCEMENT P/N 8G5333A04851
 - The STA 6422 JOINT UPPER LHS P/N 4F5333A74851
 - The STA 6422 JOINT LOWER LHS P/N 4F5333A73051.
- 122 Install the LHS ENGINE FLOOR P/N 8G5333A09852 (refer to [Figure 10](#)) as follows:
- 122.1 Get access to the upper structure.
- 122.2 Remove the old tape from the mating surfaces between the LHS ENGINE FLOOR P/N 8G5333A09852 and the upper structure.
- 122.3 Apply one layer of [Tape \(C530\)](#) to the mating surfaces between the LHS ENGINE FLOOR P/N 8G5333A09852 and the upper structure.
- 122.4 Apply one layer of [Sealing compound \(C032\)](#) to the mating surfaces between the LHS ENGINE FLOOR P/N 8G5333A09852 and the upper structure.
- 122.5 Carefully put the prepared ENGINE FLOOR LHS in its position on the upper structure.
- 122.6 Install the rivets that attach the prepared ENGINE FLOOR LHS to the adjacent structures. Refer to View P of [Figure 10](#).
- 122.7 Put the LEFT ANGLE P/N 4F7130A15351 in its position on the prepared ENGINE FLOOR LHS.
- 122.8 Install the rivets that attach the LEFT ANGLE P/N 4F7130A15351 to the adjacent structures. Refer to View P of [Figure 10](#).
- 122.9 Get access to the lower side of the LHS ENGINE FLOOR P/N 8G5333A09852.
- 122.10 Put the HOSE, ENGINE DRAIN LINE, LHS 8G2820V00851 through the aft side of the ENGINE EXTERNAL FITTING LHS P/N 8G5333A04551.
- 122.11 Connect the HOSE, ENGINE DRAIN LINE, LHS 8G2820V00851 to the FITTING, UNION, BULKHEAD P/N AS5406T04H. Refer to View R of [Figure 10](#).
- 122.12 Tighten the fitting of the HOSE, ENGINE DRAIN LINE, LHS 8G2820V00851 to the standard torque value with the [Torque wrench \(ZZ-00-00\)](#) . Refer to [89-A-20-20-00-00A-711A-A](#).
- 122.13 Put the new [Fitting \(A263A12\)](#) on the cut part of the VENT LINE HOSE P/N 8G2880A02132.

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- 122.14 Put the cut part of the VENT LINE HOSE P/N 8G2880A02132 with the VENT LINE HOSE P/N 8G2880V00151 in its position on the helicopter. Refer to View T of [Figure 10](#).
- 122.15 Repair the VENT LINE HOSE P/N 8G2880A02132 with the fitting. Refer to [CSPP-A-20-20-02-00A-663A-D](#).
- 122.16 Install the parts that attach clamps of the VENT LINE HOSE P/N 8G2880A02132 to the helicopter structure.
- 122.17 To get the correct ground connection of the ground strap of the VENT LINE HOSE P/N 8G2880A02132, follow the Type 5 procedure. Refer to the applicable steps of [89-A-20-10-01-00A-259A-A](#).
- 122.18 Install the parts that attach the ground strap to the VENT LINE HOSE P/N 8G2880A02132.
- 122.19 Connect the VENT LINE HOSE P/N 8G2880V00151 to the Number 1 tank. Refer to [89-B-28-11-01-00A-720A-A](#).
- 122.20 Do a bonding check of the VENT LINE HOSE P/N 8G2880A02132. Make sure that the resistances measured are less than 5 mΩ.
- 122.21 Put the new [PIPE ASSY \(8G2820A03133\)](#) in its position.
- 122.22 Install the parts that attach the clamp of the PIPE ASSY P/N 8G2820A03133 to the FUEL COMPARTMENT ASSY P/N 8G5330A37431. Refer to View R of [Figure 10](#).
- 122.23 Put the new [PIPE ASSY \(8G2820A02131\)](#) in its position.
- 122.24 Connect the PIPE ASSY P/N 8G2820A02131 to the FITTING P/N MS21924J6. Refer to View Q of [Figure 10](#).
- 122.25 Tighten the fitting of the PIPE ASSY P/N 8G2820A02131 to the standard torque value with the [Torque wrench \(ZZ-00-00\)](#). Refer to [89-A-20-20-00-00A-711A-A](#).
- 122.26 Install the parts that attach the clamp of the PIPE ASSY P/N 8G2820A02131 to the BL550 AFT LONGERON LH P/N 4F5333A72051. Refer to View S of [Figure 10](#).
- 122.27 Carefully put the new [PIPE ASSY \(8G2820A01732\)](#) in its position through the BL550 AFT LONGERON LH P/N 4F5333A72051.
- 122.28 Connect the PIPE ASSY P/N 8G2820A01732 to the PIPE ASSY P/N 8G2820A02131 and to the PIPE ASSY P/N 8G2820A03133. Refer to [CSPP-A-20-20-02-00A-663A-D](#).
- 122.29 Install the parts that attach the clamp of the PIPE ASSY P/N 8G2820A01732 to the BL550 AFT LONGERON LH P/N 4F5333A72051. Refer to View S of [Figure 10](#).
- 122.30 Carefully put the PIPE ASSY P/N 8G2820A03233 in its position. Refer to View R of [Figure 10](#).
- 122.31 Install the parts that hold together the clamps of these components:
- The PIPE ASSY P/N 8G2820A01732
 - The PIPE ASSY P/N 8G2820A03233
 - The HOSE, ENGINE DRAIN LINE, LHS 8G2820V00851.
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Refer to View R of [Figure 10](#).

- 122.32 Put the EBD FWD EXTERNAL LH P/N 4F7170L03931 adjacent to its position.
- 122.33 Apply the [Sealant \(C142\)](#) to the mating surfaces between the EBD FWD EXTERNAL LH P/N 4F7170L03931 and the LHS ENGINE FLOOR P/N 8G5333A09852.
- 122.34 Install the parts that attach the EBD FWD EXTERNAL LH P/N 4F7170L03931 to the LHS ENGINE FLOOR P/N 8G5333A09852. Refer to View Q of [Figure 10](#).
- 122.35 Apply the [Sealing compound \(C031\)](#) to the threads of the fitting of the EBD FWD EXTERNAL LH P/N 4F7170L03931.
- 122.36 Connect the EBD FWD EXTERNAL LH P/N 4F7170L03931 to the E.B.D. 4 WAYS FITTING P/N 4F7170L00851. Refer to View R of [Figure 10](#).
- 122.37 Tighten the fitting of the EBD FWD EXTERNAL LH P/N 4F7170L03931 to the standard torque value with the [Torque wrench \(ZZ-00-00\)](#) . Refer to [89-A-20-20-00-00A-711A-A](#).
- 122.38 Apply the [Sealing compound \(C032\)](#) to the contour of the mating surfaces between the EBD FWD EXTERNAL LH P/N 4F7170L03931 and the LHS ENGINE FLOOR P/N 8G5333A09852.
- 122.39 Put the ENGINE DRY DRAINS PIPE ASSY UPPER LH P/N 4F7170A05231 adjacent to its position.
- 122.40 Apply the [Sealing compound \(C031\)](#) to the threads of the fittings of the ENGINE DRY DRAINS PIPE ASSY UPPER LH P/N 4F7170A05231.
- 122.41 Connect the ENGINE DRY DRAINS PIPE ASSY UPPER LH P/N 4F7170A05231 to the RING,TUBE CONNECTOR P/N NAS595-8E. Refer to View R of [Figure 10](#).
- 122.42 Tighten the fitting of the ENGINE DRY DRAINS PIPE ASSY UPPER LH P/N 4F7170A05231 to the standard torque value with the [Torque wrench \(ZZ-00-00\)](#) . Refer to [89-A-20-20-00-00A-711A-A](#).
- 122.43 Put the DRAIN SCUPPER ASSY P/N 4F7170A05031 adjacent to its position.
- 122.44 Apply the [Sealant \(C142\)](#) to the mating surfaces between the DRAIN SCUPPER ASSY P/N 4F7170A05031 and the LHS ENGINE FLOOR P/N 8G5333A09852.
- 122.45 Connect the DRAIN SCUPPER ASSY P/N 4F7170A05031 to the ENGINE DRY DRAINS PIPE ASSY UPPER LH P/N 4F7170A05231. Refer to View Q of [Figure 10](#).
- 122.46 Tighten the fitting of the ENGINE DRY DRAINS PIPE ASSY UPPER LH P/N 4F7170A05231 to the standard torque value with the [Torque wrench \(ZZ-00-00\)](#) . Refer to [89-A-20-20-00-00A-711A-A](#).
- 122.47 Put the D1 DRAIN PIPE ASSY UPPER LH P/N 4F7170A04431 adjacent to its position.
- 122.48 Apply the [Sealing compound \(C031\)](#) to the threads of the fittings of the D1 DRAIN PIPE ASSY UPPER LH P/N 4F7170A04431.

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- 122.49 Connect the D1 DRAIN PIPE ASSY UPPER LH P/N 4F7170A04431 to the RING,TUBE CONNECTOR P/N NAS595-4E and to the FITTING, UNION, BULKHEAD, REDUCER P/N AS1037J0405. Refer to View R of [Figure 10](#).
- 122.50 Tighten the fitting of the D1 DRAIN PIPE ASSY UPPER LH P/N 4F7170A04431 to the standard torque value with the [Torque wrench \(ZZ-00-00\)](#) . Refer to [89-A-20-20-00-00A-711A-A](#).
- 122.51 Install the parts that attach these components to the adjacent structure:
- The ENGINE DRY DRAINS PIPE ASSY UPPER LH P/N 4F7170A05231
 - The D1 DRAIN PIPE ASSY UPPER LH P/N 4F7170A04431.
- Refer to View R of [Figure 10](#).
- 122.52 Install the parts that hold together the clamps of these components:
- The EBD FWD EXTERNAL LH P/N 4F7170L03931
 - The ENGINE DRY DRAINS PIPE ASSY UPPER LH P/N 4F7170A05231
 - The D1 DRAIN PIPE ASSY UPPER LH P/N 4F7170A04431.
- Refer to View Q and View R of [Figure 10](#).
- 122.53 Put the PIPE ASSY P/N 8G2820A01231 in its position.
- 122.54 Carefully connect the PIPE ASSY P/N 8G2820A01231 to the PIPE ASSY P/N 8G2820A03233. Refer to View Q of [Figure 10](#).
- 122.55 Install the parts that attach the PIPE ASSY P/N 8G2820A01231 to the LHS ENGINE FLOOR P/N 8G5333A09852. Refer to View Q of [Figure 10](#).
- 122.56 Carefully put the HOSE, APU DRAIN LINE P/N 8G2820V01151 through the outboard side of the BL550 AFT LONGERON LH P/N 4F5333A72051.
- 122.57 Install the parts that attach all the clamps that holds the HOSE, APU DRAIN LINE P/N 8G2820V01151 to the adjacent structure.
- 122.58 Connect the HOSE, APU DRAIN LINE P/N 8G2820V01151 to the FITTING ELBOW P/N AS1038T0404. Refer to View Q and View S of [Figure 10](#).
- 122.59 Carefully put the EBD FWD INTERNAL 1 LH P/N 4F7170L04131 adjacent to its position.
- 122.60 Apply the [Sealant \(C142\)](#) to the mating surfaces between the EBD FWD INTERNAL 1 LH P/N 4F7170L04131 and the LHS ENGINE FLOOR P/N 8G5333A09852.
- 122.61 Install the parts that attach the EBD FWD INTERNAL 1 LH P/N 4F7170L04131 to the LHS ENGINE FLOOR P/N 8G5333A09852. Refer to View Q of [Figure 10](#).
- 122.62 Apply the [Sealing compound \(C031\)](#) to the threads of the fittings of the EBD FWD INTERNAL 1 LH P/N 4F7170L04131.
- 122.63 Connect the EBD FWD INTERNAL 1 LH P/N 4F7170L04131 to the APU 3 WAY FITTING P/N 4F7170L02631. Refer to View Q of [Figure 10](#).
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- 122.64 Tighten the fitting of the EBD FWD INTERNAL 1 LH P/N 4F7170L04131 to the standard torque value with the [Torque wrench \(ZZ-00-00\)](#) . Refer to [89-A-20-20-00-00A-711A-A](#).
- 122.65 Apply the [Sealing compound \(C032\)](#) to the contour of the mating surfaces between the EBD FWD INTERNAL 1 LH P/N 4F7170L04131 and the LHS ENGINE FLOOR P/N 8G5333A09852.
- 122.66 Carefully put the EBD FWD INTERNAL 2 LH P/N 4F7170L04331 adjacent to its position.
- 122.67 Apply the [Sealant \(C142\)](#) to the mating surfaces between the EBD FWD INTERNAL 2 LH P/N 4F7170L04331 and the LHS ENGINE FLOOR P/N 8G5333A09852.
- 122.68 Install the parts that attach the EBD FWD INTERNAL 2 LH P/N 4F7170L04331 to the LHS ENGINE FLOOR P/N 8G5333A09852. Refer to View Q of [Figure 10](#).
- 122.69 Apply the [Sealing compound \(C031\)](#) to the threads of the fitting of the EBD FWD INTERNAL 2 LH P/N 4F7170L04331.
- 122.70 Connect the EBD FWD INTERNAL 2 LH P/N 4F7170L04331 to the EBD FWD INTERNAL 1 LH P/N 4F7170L04131. Refer to View Q of [Figure 10](#).
- 122.71 Tighten the fitting of the EBD FWD INTERNAL 2 LH P/N 4F7170L04331 to the standard torque value with the [Torque wrench \(ZZ-00-00\)](#) . Refer to [89-A-20-20-00-00A-711A-A](#).
- 122.72 Apply the [Sealing compound \(C032\)](#) to the contour of the mating surfaces between the EBD FWD INTERNAL 2 LH P/N 4F7170L04331 and the LHS ENGINE FLOOR P/N 8G5333A09852.
- 122.73 Carefully put the AIR INTAKE, HEATING, ELBOW P/N 70167A010001 adjacent to its position.
- 122.74 Carefully connect the AIR INTAKE, HEATING, ELBOW P/N 70167A010001 to the SPIGOT, SUPPORT, AIR INTAKE P/N 70255A010001.
- 122.75 Install the parts that attach the AIR INTAKE, HEATING, ELBOW P/N 70167A010001 to the SPIGOT, SUPPORT, AIR INTAKE P/N 70255A010001. Refer to View Q of [Figure 10](#).
- 122.76 Carefully put the DUCT, HEATING INTAKE, TRANSITION P/N 70702A010001 adjacent to its position.
- 122.77 Carefully connect the DUCT, HEATING INTAKE, TRANSITION P/N 70702A010001 to the DUCT, HEATING INTAKE, SPIGOT P/N 70703A010001 and to the AIR INTAKE, HEATING, ELBOW P/N 70167A010001.
- 122.78 Install the parts that attach the DUCT, HEATING INTAKE, TRANSITION P/N 70702A010001 to the DUCT, HEATING INTAKE, SPIGOT P/N 70703A010001. Refer to View Q of [Figure 10](#).
- 122.79 Carefully put the DUCT, DRAIN, INTAKE, REAR BAY P/N 70168A020001 adjacent to its position.
- 122.80 Carefully connect the DUCT, DRAIN, INTAKE, REAR BAY P/N 70168A020001 to the SPIGOT, SUPPORT, AIR INTAKE P/N 70255A010001 and to the jet pump.
- 122.81 Install the parts that attach the DUCT, DRAIN, INTAKE, REAR BAY P/N 70168A020001 to the SPIGOT, SUPPORT, AIR INTAKE P/N 70255A010001. Refer to View Q of [Figure 10](#).

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- 122.82 Install the parts that attach the DUCT, DRAIN, INTAKE, REAR BAY P/N 70168A020001 to the jet pump. Refer to [89-A-21-40-09-00A-720A-A](#).
- 122.83 Move the TUBING, FLEXIBLE, CONVOLUTED P/N A413A16-1800F20001 in its position on the DUCT, DRAIN, INTAKE, REAR BAY P/N 70168A020001.
- 122.84 Install the parts that attach the TUBING, FLEXIBLE, CONVOLUTED P/N A413A16-1800F20001 to the DUCT, DRAIN, INTAKE, REAR BAY P/N 70168A020001. Refer to View Q of [Figure 10](#).
- 122.85 Install the parts that attach the clamp of the AC MAIN GENERATION C/A (F2A103) P/N 4F9F12A10302 to the LHS ENGINE FLOOR P/N 8G5333A09852. Refer to View Q of [Figure 10](#).
- 122.86 Install the parts that attach the electrical connectors P257 and J257 to the DISCONNECT BRACKET P/N 8G5333A10951. Refer to View Q of [Figure 10](#).
- 122.87 Install the relay sockets of the relays K221 and K223 on the DISCONNECT BRACKET P/N 8G5333A10951. Refer to View Q of [Figure 10](#) and to [89-A-20-10-10-01A-720B-A](#).
- 122.88 Install the relays K221 and K223. Refer to View Q of [Figure 10](#) and to [89-A-20-10-10-01A-720A-A](#).
- 122.89 Get access to the upper side of the LHS ENGINE FLOOR P/N 8G5333A09852.
- 122.90 Put the STA 5700 DECK JOINT PLATE LHS P/N 8G5333A09451 adjacent to its position.
- 122.91 Install the rivets that attach the STA 5700 DECK JOINT PLATE LHS P/N 8G5333A09451 to the adjacent structure. Refer to View M of [Figure 10](#).
- 122.92 Put the STA5700 UPPER EXTERNAL STRAP LH P/N 8G5300A02451 adjacent to its position.
- 122.93 Install the rivets that attach the STA5700 UPPER EXTERNAL STRAP LH P/N 8G5300A02451 to the adjacent structure. Refer to View L of [Figure 10](#).
- 122.94 Put the COVER FIREWALL LH P/N 8G7130A00751 adjacent to its position.
- 122.95 Install the rivets that attach the COVER FIREWALL LH P/N 8G7130A00751 to the adjacent structure. Refer to View N of [Figure 10](#).
- 122.96 Put the COVER PLATE LH INTAKE P/N 4F7110A52151 adjacent to its position.
- 122.97 Install the rivets that attach the COVER PLATE LH INTAKE P/N 4F7110A52151 to the adjacent structure. Refer to View H of [Figure 10](#).
- 122.98 Put the MACHINED CORNER SUPPORT LH P/N 4F7130A28352 adjacent to its position.
- 122.99 Install the rivets that attach the MACHINED CORNER SUPPORT LH P/N 4F7130A28352 to the adjacent structure. Refer to View F of [Figure 10](#).
- 122.100 Put the HINGE COVER LH FWD P/N 4F7130A20752 adjacent to its position.
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- 122.101 Install the rivets that attach the HINGE COVER LH FWD P/N 4F7130A20752 to the adjacent structure. Refer to View G of [Figure 10](#).
- 122.102 Put the HINGE COVER LH AFT P/N 4F7130A20952 adjacent to its position.
- 122.103 Install the rivets that attach the HINGE COVER LH AFT P/N 4F7130A20952 to the adjacent structure. Refer to View D of [Figure 10](#).
- 122.104 Install the parts that attach the EBD REAR AFT LH P/N 4F7170L03131 to the adjacent structure. Refer to View D of [Figure 10](#).
- 122.105 Put the WL2650 PLATE UPPER JOINT LHS P/N 8G5333P03752 adjacent to its position.
- 122.106 Install the rivets that attach the WL2650 PLATE UPPER JOINT LHS P/N 8G5333P03752 to the adjacent structure.
- 122.107 Apply the [Sealant \(C465\)](#) to the mating surfaces between the PLATE OUTBD P/N 8G7130A11251 and the adjacent structure.
- 122.108 Put the PLATE OUTBD P/N 8G7130A11251 in its position.
- 122.109 Put the CLAMP HINGED SENSOR P/N 7C31-1AA in their positions on the PLATE OUTBD P/N 8G7130A11251. Refer to View B of [Figure 10](#).
- 122.110 Install the rivets that attach all the CLAMP HINGED SENSOR P/N 7C31-1AA installed on the PLATE OUTBD P/N 8G7130A11251. Refer to View B of [Figure 10](#).
- 122.111 Apply the [Sealing compound \(C032\)](#) on the exposed surface of the rivets that attach all the CLAMP HINGED SENSOR P/N 7C31-1AA.
- 122.112 Install the parts that attach the DRAIN SCUPPER ASSY P/N 4F7170A05031 to the adjacent structure. Refer to View B of [Figure 10](#).
- 122.113 Apply the [Sealing compound \(C032\)](#) to the contour of the mating surfaces between the ENGINE DRY DRAINS PIPE ASSY UPPER LH P/N 4F7170A05231 and the LHS ENGINE FLOOR P/N 8G5333A09852.
- 122.114 Apply the [Sealant \(C465\)](#) to the mating surfaces between the PLATE INBD P/N 8G7130A11151 and the adjacent structure.
- 122.115 Put the PLATE INBD P/N 8G7130A11151 in its position.
- 122.116 Put the CLAMP HINGED SENSOR P/N 7C31-1AA in their positions on the PLATE INBD P/N 8G7130A11151. Refer to View B of [Figure 10](#).
- 122.117 Install the rivets that attach all the CLAMP HINGED SENSOR P/N 7C31-1AA installed on the PLATE INBD P/N 8G7130A11151. Refer to View B of [Figure 10](#).
- 122.118 Apply the [Sealing compound \(C032\)](#) on the exposed surface of the rivets that attach all the CLAMP HINGED SENSOR P/N 7C31-1AA.

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- 122.119 Put the D1 DRAIN BRACKET ASSY P/N 8G5333A50131 in its position.
- 122.120 Install the rivets that attach the D1 DRAIN BRACKET ASSY P/N 8G5333A50131 to the adjacent structures. Refer to View E of [Figure 10](#).
- 122.121 Move the D1 DRAIN PIPE ASSY P/N 8G7170L00931 in its position on the D1 DRAIN BRACKET ASSY P/N 8G5333A50131.
- 122.122 Install the parts that attach the clamp that hold the D1 DRAIN PIPE ASSY P/N 8G7170L00931 to the D1 DRAIN BRACKET ASSY P/N 8G5333A50131. Refer to View A of [Figure 10](#).
- 122.123 Put the BRKT ASSY LH AFT P/N 8G7130A00931 adjacent to its position.
- 122.124 Install the rivets that attach the BRKT ASSY LH AFT P/N 8G7130A00931 to the adjacent structures. Refer to View E of [Figure 10](#).
- 122.125 Put the STRUT BRACKET LH FWD ASSY P/N 8G7130A10731 adjacent to its position.
- 122.126 Install the rivets that attach the STRUT BRACKET LH FWD ASSY P/N 8G7130A10731 to the adjacent structures. Refer to Detail C of [Figure 10](#).
- 122.127 Carefully put these parts through the bottom side of the LHS ENGINE FLOOR P/N 8G5333A09852:
- The AC MAIN GENERATION C/A (F2A103) P/N 4F9F12A10302
 - The AC MAIN GENERATION C/A (F1A117) P/N 4F9F11A11702
 - The COVER ASSY P/N 4F5333A54932
 - The COVER ASSY P/N 4F5333A55031
 - The COVER ASSY P/N 4F5333A55131.
- 122.128 Install the parts that attach these cover to the LHS ENGINE FLOOR P/N 8G5333A09852:
- The COVER ASSY P/N 4F5333A54932
 - The COVER ASSY P/N 4F5333A55031
 - The COVER ASSY P/N 4F5333A55131.
- Refer to View A of [Figure 10](#).
- 122.129 Install the parts that attach the clamps that hold these cable assemblies:
- The AC MAIN GENERATION C/A (F2A103) P/N 4F9F12A10302
 - The AC MAIN GENERATION C/A (F1A117) P/N 4F9F11A11702.
- Refer to View A of [Figure 10](#).
- 122.130 Put the ICE DETECTOR SYSTEM C/A (F1A137) P/N 8G9F21A13701 adjacent to its position.
- 122.131 Install the parts that attach the clamps that hold the ICE DETECTOR SYSTEM C/A (F1A137) P/N 8G9F21A13701. Refer to View A of [Figure 10](#).
- 123 Install the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831 (refer to [Figure 9](#)) as follows:
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- 123.1 Carefully put the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831 in its position on the LEFT ANGLE P/N 4F7130A15351 and on the upper deck structure. Make sure that you do not cause damages to the adjacent parts and to the parts that are installed on the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831.
- 123.2 Install the parts that attach the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831 to the upper deck structure. Refer to View B and View D of [Figure 9](#).
- 123.3 Install the parts that attach the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831 to the LEFT ANGLE P/N 4F7130A15351. Refer to View A of [Figure 9](#).
- 123.4 Put the CENTRAL WATER BARRIER ASSY P/N 4F3070A06131 in its position. Make sure that you do not damage the R/B LINES PIPE ASSY P/N 4F6352A02131 that pass through it. Refer to View F of [Figure 9](#).
- 123.5 Install the parts that attach the CENTRAL WATER BARRIER ASSY P/N 4F3070A06131 to the adjacent structure. Refer to View F of [Figure 9](#).
- 123.6 Connect the PIPE ASSY P/N 8G2820A01932 to the FITTING ELBOW P/N AS1038T0404. Refer to View C of [Figure 9](#).
- 123.7 Apply the [Sealing compound \(C031\)](#) to the threads of these drain hoses:
- The APU LH AFT PIPE ASSY P/N 8G7170L00331
 - The APU LH FWD PIPE ASSY P/N 8G7170L00431
 - The APU K6 DRAIN PIPE ASSY 1 P/N 4F7170A07431.
- 123.8 Connect these drain hoses to the APU DRAIN MANIFOLD ASSY LH P/N 8G7170L00131:
- The APU LH AFT PIPE ASSY P/N 8G7170L00331
 - The APU LH FWD PIPE ASSY P/N 8G7170L00431
 - The APU K6 DRAIN PIPE ASSY 1 P/N 4F7170A07431.
- Refer to View C of [Figure 9](#).
- 123.9 Tighten the fitting of these drain hoses to the standard torque value with the [Torque wrench \(ZZ-00-00\)](#) :
- The APU LH AFT PIPE ASSY P/N 8G7170L00331
 - The APU LH FWD PIPE ASSY P/N 8G7170L00431
 - The APU K6 DRAIN PIPE ASSY 1 P/N 4F7170A07431.
- Refer to [89-A-20-20-00-00A-711A-A](#).
- 123.10 Lay down the LEFT TRANSMISSION DECK C/A (F1A1) P/N 8G9F11A00102 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 9](#).
- 123.11 Install the parts that attach the clamps that hold the LEFT TRANSMISSION DECK C/A (F1A1) P/N 8G9F11A00102.

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- 123.12 Lay down the HEATED WINDSHIELD C/A (F1A151) P/N 8G9F21A15101 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 9](#).
- 123.13 Install the parts that attach the clamps that hold the HEATED WINDSHIELD C/A (F1A151) P/N 8G9F21A15101.
- 123.14 Lay down the AC DISTRIBUTION C/A (F1A133) P/N 8G9F21A13301 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 9](#).
- 123.15 Install the parts that attach the clamps that hold the AC DISTRIBUTION C/A (F1A133) P/N 8G9F21A13301.
- 123.16 Lay down the ENG AIR INTAKE PROTECT PWR C/A (F1A135) P/N 8G9F21A13501 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 9](#).
- 123.17 Install the parts that attach the clamps that hold the ENG AIR INTAKE PROTECT PWR C/A (F1A135) P/N 8G9F21A13501.
- 123.18 Lay down the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 9](#).
- 123.19 Install the parts that attach the clamps that hold the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102.
- 123.20 Lay down the LEFT TRANSMISSION DECK C/A (F1A3) P/N 4F9F11A00303 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 9](#).
- 123.21 Install the parts that attach the clamps that hold the LEFT TRANSMISSION DECK C/A (F1A3) P/N 4F9F11A00303.
- 123.22 Carefully put the PIPE ASSY P/N 8G2820A01832 in its position on the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831. Refer to View B of [Figure 9](#).
- 123.23 Install the parts that attach the clamps that hold the PIPE ASSY P/N 8G2820A01832 in its position on the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831.
- 123.24 Connect the PIPE ASSY P/N 8G2820A01832 to the related FITTING P/N MS21924J6 on the structure.
- 123.25 Tighten the fitting of the PIPE ASSY P/N 8G2820A01832 to the standard torque value with the [Torque wrench \(ZZ-00-00\)](#) . Refer to [89-A-20-20-00-00A-711A-A](#).
- 123.26 Put the ENGINE 1 CTRL AND IND C/A (F2A106) P/N 8G9F22A10602 in its position. Refer to View B of [Figure 9](#).
- 123.27 Install the parts that attach these electrical connectors to the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831:
- The electrical connector J267
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- The electrical connector J265
- The electrical connector J2017.

Refer to View B of [Figure 9](#).

- 123.28 Carefully connect the pins of the ENG AIR INTAKE PROTECT PWR C/A (F1A135) P/N 8G9F21A13501 to the electrical connector A295P6. Refer to [89-A-30-21-00-01B-051A-A](#).
- 123.29 Carefully connect the pins of the HEATED WINDSHIELD C/A (F1A151) P/N 8G9F21A15101 to the electrical connector A295P3. Refer to [89-A-30-62-00-00A-051A-A](#).
- 123.30 Carefully connect the pins of the AC DISTRIBUTION C/A (F1A133) P/N 8G9F21A13301 to the electrical connector A295P3. Refer to [89-A-24-51-00-01A-051A-A](#).
- 123.31 The LEFT TRANSMISSION DECK C/A (F1A1) P/N 8G9F11A00102 includes the following cable assemblies:
- The ENG AIR INTAKE PROTECT PWR C/A (F1A136) P/N 8G9F01A13601
 - The VENTILATION FOR ECS C/A (F1A100) P/N 4F9F01A10004
 - The HYDRAULIC (PCM 1) C/A (F1A110) P/N 4F9F01A11003
 - The ROTOR BRAKE C/A (F1A114) P/N 4F9F01A11403
 - The ENG AIR INTAKE PROTECT CTR C/A (F1A104) P/N 8G9F01A10401
 - The ENG AIR INTAKE PROTECT CTR C/A (F1A123) P/N 8G9F01A12301
 - The HEATING FOR ECS C/A (F1A101) P/N 4F9F01A10104.
- Make sure that you install the correct cable assemblies.
- 123.32 Carefully connect the pins of the LEFT TRANSMISSION DECK C/A (F1A1) P/N 8G9F11A00102 to the electrical connector A295P3.
- 123.33 Connect the electrical connectors A295P6 and A295P3 to the AC PDU PWR1 P/N 8G2450V00251. Refer to View E of [Figure 9](#) and to the applicable steps of [89-A-24-51-03-00A-720A-A](#).
- 123.34 Connect the NUMBER 1 DISCHARGE PIPE ASSY 01 P/N 4F2620A01131 to the 3 WAY FITTING P/N 4F2620A01451. Refer to View B of [Figure 9](#).
- 123.35 Tighten the fitting of the NUMBER 1 DISCHARGE PIPE ASSY 01 P/N 4F2620A01131 to the standard torque value with the [Torque wrench \(ZZ-00-00\)](#) . Refer to [89-A-20-20-00-00A-711A-A](#).
- 123.36 Put the NUMBER 2 APU RINSING PIPE ASSY P/N 8G7180A00631 in its position on the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831. Refer to View A of [Figure 9](#).
- 123.37 Install the parts that attach the NUMBER 2 APU RINSING PIPE ASSY P/N 8G7180A00631 to the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831. Refer to View A of [Figure 9](#).
- 123.38 Put these electrical harnesses in their positions on the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831:
- The AC MAIN GENERATION C/A (F1A117) P/N 4F9F11A11702
 - The AC MAIN GENERATION C/A (F2A103) P/N 4F9F12A10302.

Refer to View A of [Figure 9](#).

- 123.39 Install the parts that attach these electrical harnesses to the NUMBER 1 CENTRAL FIREWALL P/N 8G7130A01831:
- The AC MAIN GENERATION C/A (F1A117) P/N 4F9F11A11702
 - The AC MAIN GENERATION C/A (F2A103) P/N 4F9F12A10302.
- Refer to View A of [Figure 9](#).
- 123.40 Put these electrical harnesses in their positions:
- The HEATING C/A (F1A11) P/N 4F9F11A01103
 - The ENGINE 1 CTRL AND IND C/A (F2A104) P/N 8G9F22A10401
 - The ENGINE 1 CTRL AND IND C/A (F2A105) P/N 8G9F22A10501.
- Refer to View A of [Figure 9](#).
- 123.41 Connect these electrical connectors to the relevant mating connector:
- The electrical connector P2017
 - The electrical connector P267
 - The electrical connector P265.
- Refer to View A of [Figure 9](#).
- 124 Install the APU power-distribution unit (APU PDU). Refer to [89-A-24-51-02-00A-720A-A](#).
- 125 Install the APU-generator control unit (APU GCU). Refer to [89-B-24-21-08-00A-720A-A](#).
- 126 Install the WL 2470 REAR PANEL ASSY P/N 8G5333A02131 (refer to [Figure 8](#)) as follows:
- 126.1 Carefully put and hold the WL 2470 REAR PANEL ASSY P/N 8G5333A02131 in its position. Make sure that you do not cause damage to the components installed on the WL 2470 REAR PANEL ASSY P/N 8G5333A02131.
- 126.2 Install the rivets that attach the WL 2470 REAR PANEL ASSY P/N 8G5333A02131 to the adjacent structures.
- 126.3 Put the STA 6422 HORIZONTAL PROFILE ASSY P/N 8G5330A47531 in its position.
- 126.4 Install the rivets that attach the STA 6422 HORIZONTAL PROFILE ASSY P/N 8G5330A47531 to the adjacent structures.
- 126.5 Put and hold the removable panel assy LH P/N 8G5330A03231 in its position.
- 126.6 Install the eight washers and the eight screws that attach the removable panel assy LH P/N 8G5330A03231 to the adjacent structures.
- 126.7 Tighten the eight screws to the standard torque value with the [Torque wrench \(ZZ-00-00\)](#) . Refer to [89-A-20-00-00-00A-711A-A](#).

- 126.8 Put and hold the removable panel assy RH P/N 8G5330A03331 in its position.
- 126.9 Install the eight washers and the eight screws that attach the removable panel assy RH P/N 8G5330A03331 to the adjacent structures.
- 126.10 Tighten the eight screws to the standard torque value with the [Torque wrench \(ZZ-00-00\)](#) . Refer to [89-A-20-00-00-00A-711A-A](#).
- 127 Install the cable assemblies and the drains that are attached to the WL 2470 REAR PANEL ASSY P/N 8G5333A02131 as follows:
- 127.1 Carefully remove from stowage the cable assemblies and the drains that are attached to the WL 2470 REAR PANEL ASSY P/N 8G5333A02131.
- 127.2 Put each cable assembly or drain in their positions on the WL 2470 REAR PANEL ASSY P/N 8G5333A02131. Make sure that you put them in the same positions you recorded during the removal.
- 127.3 Install the parts that attach the cable assemblies or the drains to the WL 2470 REAR PANEL ASSY P/N 8G5333A02131.
- 128 Install the U-HCU EXTENSION CABLE C/A (B2A215) P/N 8G9B22A21501 and the U-HCU EXTENSION CABLE C/A (B1A370) P/N 8G9B21A37001 (refer to [Figure 1](#)) as follows:
- 128.1 Lay down the U-HCU EXTENSION CABLE C/A (B2A215) P/N 8G9B22A21501 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 128.2 Install the parts that attach the clamps that hold the U-HCU EXTENSION CABLE C/A (B2A215) P/N 8G9B22A21501.
- 128.3 Carefully connect the pins of the U-HCU EXTENSION CABLE C/A (B2A215) P/N 8G9B22A21501 to the electrical connector A241J1A. Refer to [Figure 6](#).
- 128.4 Do again the [step 128.1](#) thru [step 128.3](#) for the U-HCU EXTENSION CABLE C/A (B1A370) P/N 8G9B21A37001.
- 129 Install the MISSION SYSTEM C/A (B2A210) P/N 8G9B22A21001 (refer to [Figure 1](#)) as follows:
- 129.1 Lay down the MISSION SYSTEM C/A (B2A210) P/N 8G9B22A21001 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 129.2 Install the parts that attach the clamps that hold the MISSION SYSTEM C/A (B2A210) P/N 8G9B22A21001.
- 129.3 Carefully connect the pins of the MISSION SYSTEM C/A (B2A210) P/N 8G9B22A21001 to the electrical connector A227J1B. Refer to [Figure 6](#).
- 129.4 Install the parts that attach the electrical connector A227J1B. Refer to View N of [Figure 1](#).

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- 130 Install the GENERATION & DISTN FIPS C/A (B1B315) P/N 8G9B21B31501 (refer to [Figure 1](#)) as follows:
- 130.1 Lay down the GENERATION & DISTN FIPS C/A (B1B315) P/N 8G9B21B31501 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 130.2 Install the parts that attach the clamps that hold the GENERATION & DISTN FIPS C/A (B1B315) P/N 8G9B21B31501.
- 130.3 Carefully connect the pins of the GENERATION & DISTN FIPS C/A (B1B315) P/N 8G9B21B31501 to the electrical connector A335P1. Refer to [89-B-24-21-00-00A-051A-A](#).
- 130.4 Connect the electrical connector A335P1 from the APU power-distribution unit. Refer to the applicable steps of [89-B-24-21-10-00A-720A-A](#) and to View H of [Figure 1](#).
- 131 Install the GENERATION & DISTN FIPS C/A (B1B314) P/N 8G9B21B31401 (refer to [Figure 1](#)) as follows:
- 131.1 Lay down the GENERATION & DISTN FIPS C/A (B1B314) P/N 8G9B21B31401 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 131.2 Install the parts that attach the clamps that hold the GENERATION & DISTN FIPS C/A (B1B314) P/N 8G9B21B31401.
- 131.3 Carefully connect the pins of the GENERATION & DISTN FIPS C/A (B1B314) P/N 8G9B21B31401 to the electrical connector A33P1. Refer to [89-B-24-21-00-00A-051A-A](#).
- 131.4 Connect the electrical connector A333P1 to the AC generator control unit. Refer to the applicable steps of [89-B-24-21-07-00A-720A-A](#) and to View M of [Figure 1](#).
- 131.5 Carefully connect the pins of the GENERATION & DISTN FIPS C/A (B1B314) P/N 8G9B21B31401 to the electrical connector J321. Refer to [89-B-24-21-00-00A-051A-A](#).
- 131.6 Install the parts that attach the electrical connector J321 to the left avionic bay. Refer to View E of [Figure 1](#).
- 132 Install the Number 2 HDMI cable P/N HP-19AM-AM-QL7A03. Refer to the applicable steps of [89-A-46-32-08-00A-921A-A](#).
- 133 Install the AVIONIC CUSTOM SAR UK C/A (C3A133) P/N 8G9C23A13301 (refer to [Figure 1](#)) as follows:
- 133.1 Lay down the AVIONIC CUSTOM SAR UK C/A (C3A133) P/N 8G9C23A13301 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 133.2 Install the parts that attach the clamps that hold the AVIONIC CUSTOM SAR UK C/A (C3A133) P/N 8G9C23A13301.
- 133.3 Carefully connect the pins of the AVIONIC CUSTOM SAR UK C/A (C3A133) P/N 8G9C23A13301 to the electrical connector A302P1. Refer to [89-A-91-10-00-02A-051A-A](#).
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- 134 Install the AVIONIC CUSTOM SAR UK C/A (B3A121) P/N 8G9B23A12101 (refer to [Figure 1](#)) as follows:
 - 134.1 Lay down the AVIONIC CUSTOM SAR UK C/A (B3A121) P/N 8G9B23A12101 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
 - 134.2 Install the parts that attach the clamps that hold the AVIONIC CUSTOM SAR UK C/A (B3A121) P/N 8G9B23A12101.
 - 134.3 Carefully connect the pins of the AVIONIC CUSTOM SAR UK C/A (B3A121) P/N 8G9B23A12101 to the electrical connector A293P5. Refer to [89-A-91-10-00-02A-051A-A](#).
- 135 Install the AVIONIC CUSTOM SAR UK C/A (B3A119) P/N 8G9B23A11901 (refer to [Figure 1](#)) as follows:
 - 135.1 Lay down the AVIONIC CUSTOM SAR UK C/A (B3A119) P/N 8G9B23A11901 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
 - 135.2 Install the parts that attach the clamps that hold the AVIONIC CUSTOM SAR UK C/A (B3A119) P/N 8G9B23A11901.
 - 135.3 Carefully connect the pins of the AVIONIC CUSTOM SAR UK C/A (B3A119) P/N 8G9B23A11901 to the electrical connector A293P1. Refer to [89-A-91-10-00-02A-051A-A](#).
- 136 Install the AVIONIC CUSTOM SAR UK C/A (B3A122) P/N 8G9B23A12201 (refer to [Figure 1](#)) as follows:
 - 136.1 Lay down the AVIONIC CUSTOM SAR UK C/A (B3A122) P/N 8G9B23A12201 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
 - 136.2 Install the parts that attach the clamps that hold the AVIONIC CUSTOM SAR UK C/A (B3A122) P/N 8G9B23A12201.
 - 136.3 Carefully connect the pins of the AVIONIC CUSTOM SAR UK C/A (B3A122) P/N 8G9B23A12201 to the electrical connector A292P5. Refer to [89-A-91-10-00-02A-051A-A](#).
- 137 Install the AVIONIC CUSTOM SAR UK C/A (B3A120) P/N 8G9B23A12001 (refer to [Figure 1](#)) as follows:
 - 137.1 Lay down the AVIONIC CUSTOM SAR UK C/A (B3A120) P/N 8G9B23A12001 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
 - 137.2 Install the parts that attach the clamps that hold the AVIONIC CUSTOM SAR UK C/A (B3A120) P/N 8G9B23A12001.
 - 137.3 Carefully connect the pins of the AVIONIC CUSTOM SAR UK C/A (B3A120) P/N 8G9B23A12001 to the electrical connector A292P1. Refer to [89-A-91-10-00-02A-051A-A](#).
- 138 Install the AVIONIC CUSTOM SAR UK C/A (B2A213) P/N 8G9B22A21301 (refer to [Figure 1](#)) as follows:

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- 138.1 Lay down the AVIONIC CUSTOM SAR UK C/A (B2A213) P/N 8G9B22A21301 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 138.2 Install the parts that attach the clamps that hold the AVIONIC CUSTOM SAR UK C/A (B2A213) P/N 8G9B22A21301.
- 138.3 Carefully connect the pins of the AVIONIC CUSTOM SAR UK C/A (B2A213) P/N 8G9B22A21301 to the electrical connector J219. Refer to [89-A-91-10-00-02A-051A-A](#).
- 139 Install the BAGGAGE LIGHTS SWITCH C/A (B1A304) P/N 8G9B21A30401 (refer to [Figure 1](#)) as follows:
- 139.1 Lay down the BAGGAGE LIGHTS SWITCH C/A (B1A304) P/N 8G9B21A30401 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 139.2 Install the parts that attach the clamps that hold the BAGGAGE LIGHTS SWITCH C/A (B1A304) P/N 8G9B21A30401.
- 139.3 Carefully connect the pins of the BAGGAGE LIGHTS SWITCH C/A (B1A304) P/N 8G9B21A30401 to the electrical connector J215. Refer to [Figure 4](#).
- 140 Install the SPOT UTILITY LIGHT C/A (B1A306) P/N 8G9B21A30601 (refer to [Figure 1](#)) as follows:
- 140.1 Lay down the SPOT UTILITY LIGHT C/A (B1A306) P/N 8G9B21A30601 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 140.2 Install the parts that attach the clamps that hold the SPOT UTILITY LIGHT C/A (B1A306) P/N 8G9B21A30601.
- 140.3 Carefully connect the pins of the SPOT UTILITY LIGHT C/A (B1A306) P/N 8G9B21A30601 to the electrical connector J215. Refer to [89-A-33-14-00-00A-051A-A](#).
- 141 Install the FASTEN SEATBELT C/A (B1A345) P/N 8G9B21A34501 (refer to [Figure 1](#)) as follows:
- 141.1 Lay down the FASTEN SEATBELT C/A (B1A345) P/N 8G9B21A34501 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 141.2 Install the parts that attach the clamps that hold the FASTEN SEATBELT C/A (B1A345) P/N 8G9B21A34501.
- 141.3 Carefully connect the pins of the FASTEN SEATBELT C/A (B1A345) P/N 8G9B21A34501 to the electrical connector J215. Refer to [89-B-33-12-00-01A-051A-A](#).
- 142 Install the CABIN LIGHTING C/A (B1A305) P/N 8G9B21A30501 (refer to [Figure 1](#)) as follows:
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- 142.1 Lay down the CABIN LIGHTING C/A (B1A305) P/N 8G9B21A30501 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 142.2 Install the parts that attach the clamps that hold the CABIN LIGHTING C/A (B1A305) P/N 8G9B21A30501.
- 142.3 Carefully connect the pins of the CABIN LIGHTING C/A (B1A305) P/N 8G9B21A30501 to the electrical connector J215. Refer to [89-D-33-12-00-00A-051A-A](#).
- 142.4 Carefully connect the pins of the CABIN LIGHTING C/A (B1A305) P/N 8G9B21A30501 to the electrical connector J213. Refer to [89-D-33-12-00-00A-051A-A](#).
- 143 Install the HOIST CAMERA C/A (C3B112) P/N 8G9C23B11201 (refer to [Figure 1](#)) as follows:
 - 143.1 Lay down the HOIST CAMERA C/A (C3B112) P/N 8G9C23B11201 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
 - 143.2 Install the parts that attach the clamps that hold the HOIST CAMERA C/A (C3B112) P/N 8G9C23B11201.
 - 143.3 Carefully connect the pins of the HOIST CAMERA C/A (C3B112) P/N 8G9C23B11201 to the electrical connector A292P12. Refer to [89-A-97-53-00-00A-051A-A](#).
- 144 Install the HOIST CAMERA C/A (A3A123) P/N 8G9A23A12301 (refer to [Figure 1](#)) as follows:
 - 144.1 Lay down the HOIST CAMERA C/A (A3A123) P/N 8G9A23A12301 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
 - 144.2 Install the parts that attach the clamps that hold the HOIST CAMERA C/A (A3A123) P/N 8G9A23A12301.
 - 144.3 Carefully connect the pins of the HOIST CAMERA C/A (A3A123) P/N 8G9A23A12301 to the electrical connector A293P16. Refer to [89-A-97-53-00-00A-051A-A](#).
- 145 Install the HOIST CAMERA C/A (B1A317) P/N 8G9B21A31701 (refer to [Figure 1](#)) as follows:
 - 145.1 Lay down the HOIST CAMERA C/A (B1A317) P/N 8G9B21A31701 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
 - 145.2 Install the parts that attach the clamps that hold the HOIST CAMERA C/A (B1A317) P/N 8G9B21A31701.
 - 145.3 Carefully connect the pins of the HOIST CAMERA C/A (B1A317) P/N 8G9B21A31701 to the electrical connector J215. Refer to [89-A-97-53-00-00A-051A-A](#).
- 146 Install the RADAR 1500B C/A (C3A131) P/N 8G9C23A13102 (refer to [Figure 1](#)) as follows:

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- 146.1 Lay down the RADAR 1500B C/A (C3A131) P/N 8G9C23A13102 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 146.2 Install the parts that attach the clamps that hold the RADAR 1500B C/A (C3A131) P/N 8G9C23A13102.
- 146.3 Carefully connect the pins of the RADAR 1500B C/A (C3A131) P/N 8G9C23A13102 to the electrical connector A307P4. Refer to [89-B-34-41-00-00A-051A-A](#).
- 147 Install the RADAR 1500B C/A (C3A130) P/N 8G9C23A13002 (refer to [Figure 1](#)) as follows:
- 147.1 Lay down the RADAR 1500B C/A (C3A130) P/N 8G9C23A13002 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 147.2 Install the parts that attach the clamps that hold the RADAR 1500B C/A (C3A130) P/N 8G9C23A13002.
- 147.3 Carefully connect the pins of the RADAR 1500B C/A (C3A130) P/N 8G9C23A13002 to the electrical connector A307P3. Refer to [89-B-34-41-00-00A-051A-A](#).
- 148 Install the RADAR 1500B C/A (B2A198) P/N 8G9B22A19802 (refer to [Figure 1](#)) as follows:
- 148.1 Lay down the RADAR 1500B C/A (B2A198) P/N 8G9B22A19802 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 148.2 Install the parts that attach the clamps that hold the RADAR 1500B C/A (B2A198) P/N 8G9B22A19802.
- 148.3 Carefully connect the pins of the RADAR 1500B C/A (B2A198) P/N 8G9B22A19802 to the electrical connector J219. Refer to [89-B-34-41-00-00A-051A-A](#).
- 148.4 Carefully connect the pins of the RADAR 1500B C/A (B2A198) P/N 8G9B22A19802 to the electrical connector J217. Refer to [89-B-34-41-00-00A-051A-A](#).
- 149 Install the RADAR 1500B C/A (B1A318) P/N 8G9B21A31802 (refer to [Figure 1](#)) as follows:
- 149.1 Lay down the RADAR 1500B C/A (B1A318) P/N 8G9B21A31802 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 149.2 Install the parts that attach the clamps that hold the RADAR 1500B C/A (B1A318) P/N 8G9B21A31802.
- 149.3 Carefully connect the pins of the RADAR 1500B C/A (B1A318) P/N 8G9B21A31802 to the electrical connector J215. Refer to [89-B-34-41-00-00A-051A-A](#).
- 149.4 Carefully connect the pins of the RADAR 1500B C/A (B1A318) P/N 8G9B21A31802 to the electrical connector J213. Refer to [89-B-34-41-00-00A-051A-A](#).
- 150 Install the FLIR SAFIRE 380HD C/A (B1A303) P/N 8G9B21A30302 (refer to [Figure 1](#)) as follows:
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- 150.1 Lay down the FLIR SAFIRE 380HD C/A (B1A303) P/N 8G9B21A30302 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 150.2 Install the parts that attach the clamps that hold the FLIR SAFIRE 380HD C/A (B1A303) P/N 8G9B21A30302.
- 150.3 Carefully connect the pins of the FLIR SAFIRE 380HD C/A (B1A303) P/N 8G9B21A30302 to the electrical connector J215. Refer to [89-A-93-51-00-00A-051A-A](#).
- 151 Install the VIDEO RECORDER C/A (C3A135) P/N 8G9C23A13501 (refer to [Figure 1](#)) as follows:
 - 151.1 Lay down the VIDEO RECORDER C/A (C3A135) P/N 8G9C23A13501 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
 - 151.2 Install the parts that attach the clamps that hold the VIDEO RECORDER C/A (C3A135) P/N 8G9C23A13501.
 - 151.3 Carefully connect the pins of the VIDEO RECORDER C/A (C3A135) P/N 8G9C23A13501 to the electrical connector A293P6. Refer to [89-A-31-33-00-00A-051A-A](#).
- 152 Install the VIDEO RECORDER C/A (B2A208) P/N 8G9B22A20801 (refer to [Figure 1](#)) as follows:
 - 152.1 Lay down the VIDEO RECORDER C/A (B2A208) P/N 8G9B22A20801 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
 - 152.2 Install the parts that attach the clamps that hold the VIDEO RECORDER C/A (B2A208) P/N 8G9B22A20801.
 - 152.3 Carefully connect the pins of the VIDEO RECORDER C/A (B2A208) P/N 8G9B22A20801 to the electrical connector A293P1. Refer to [89-A-31-33-00-00A-051A-A](#).
- 153 Install the VIDEO RECORDER C/A (B1A327) P/N 8G9B21A32701 (refer to [Figure 1](#)) as follows:
 - 153.1 Lay down the VIDEO RECORDER C/A (B1A327) P/N 8G9B21A32701 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
 - 153.2 Install the parts that attach the clamps that hold the VIDEO RECORDER C/A (B1A327) P/N 8G9B21A32701.
 - 153.3 Carefully connect the pins of the VIDEO RECORDER C/A (B1A327) P/N 8G9B21A32701 to the electrical connector J215. Refer to [89-A-31-33-00-00A-051A-A](#).
- 154 Install the VIDEO RECORDER C/A (B2A207) P/N 8G9B22A20701 (refer to [Figure 1](#)) as follows:

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- 154.1 Lay down the VIDEO RECORDER C/A (B2A207) P/N 8G9B22A20701 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 154.2 Install the parts that attach the clamps that hold the VIDEO RECORDER C/A (B2A207) P/N 8G9B22A20701.
- 154.3 Carefully connect the pins of the VIDEO RECORDER C/A (B2A207) P/N 8G9B22A20701 to the electrical connector J219. Refer to [89-A-31-33-00-00A-051A-A](#).
- 155 Install the Number 1 HDMI cable P/N HP-19AM-AM-QL7A03. Refer to the applicable steps of [89-A-46-32-07-00A-921A-A](#).
- 156 Install the SATCOM DZMX (B2A196) C/A P/N 8G9B22A19602 (refer to [Figure 1](#)) as follows:
- 156.1 Lay down the SATCOM DZMX (B2A196) C/A P/N 8G9B22A19602 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 156.2 Install the parts that attach the clamps that hold the SATCOM DZMX (B2A196) C/A P/N 8G9B22A19602.
- 156.3 Carefully connect the pins of the SATCOM DZMX (B2A196) C/A P/N 8G9B22A19602 to the electrical connector A257P2. Refer to [89-B-23-16-00-00A-051A-A](#).
- 157 Install the MAIN ROTOR TIP LIGHT C/A (B1A268) P/N 8G9B21A26801 (refer to [Figure 1](#)) as follows:
- 157.1 Lay down the MAIN ROTOR TIP LIGHT C/A (B1A268) P/N 8G9B21A26801 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 157.2 Install the parts that attach the clamps that hold the MAIN ROTOR TIP LIGHT C/A (B1A268) P/N 8G9B21A26801.
- 157.3 Carefully connect the pins of the MAIN ROTOR TIP LIGHT C/A (B1A268) P/N 8G9B21A26801 to the electrical connector J215. Refer to [89-A-33-61-00-00A-051A-A](#).
- 158 Install the 3RD GPS ANTENNA C/A (B3A115) P/N 8G9B23A11501 (refer to [Figure 1](#)) as follows:
- 158.1 Lay down the 3RD GPS ANTENNA C/A (B3A115) P/N 8G9B23A11501 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 158.2 Install the parts that attach the clamps that hold the 3RD GPS ANTENNA C/A (B3A115) P/N 8G9B23A11501.
- 158.3 Carefully connect the pins of the 3RD GPS ANTENNA C/A (B3A115) P/N 8G9B23A11501 to the electrical connector J347. Refer to [89-A-34-56-00-00A-051A-A](#).
- 159 Install the AIS TRANSPONDER C/A (B2A267) P/N 8G9B22A26701 (refer to [Figure 1](#)) as follows:
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- 159.1 Lay down the AIS TRANSPONDER C/A (B2A267) P/N 8G9B22A26701 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 159.2 Install the parts that attach the clamps that hold the AIS TRANSPONDER C/A (B2A267) P/N 8G9B22A26701.
- 159.3 Carefully connect the pins of the AIS TRANSPONDER C/A (B2A267) P/N 8G9B22A26701 to the electrical connector J219. Refer to [Figure 3](#).
- 160 Install the HEATED WINDSHIELD C/A (B1A295) P/N 8G9B21A29503 (refer to [Figure 1](#)) as follows:
 - 160.1 Lay down the HEATED WINDSHIELD C/A (B1A295) P/N 8G9B21A29503 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
 - 160.2 Install the parts that attach the clamps that hold the HEATED WINDSHIELD C/A (B1A295) P/N 8G9B21A29503.
 - 160.3 Carefully connect the pins of the HEATED WINDSHIELD C/A (B1A295) P/N 8G9B21A29503 to the electrical connector J215. Refer to [89-A-30-62-00-00A-051A-A](#).
 - 160.4 Carefully connect the pins of the HEATED WINDSHIELD C/A (B1A295) P/N 8G9B21A29503 to the electrical connector J245. Refer to [89-A-30-62-00-00A-051A-A](#).
- 161 Install the GENERATION & DISTN FIPS (B1A324) P/N 8G9B21A32401 (refer to [Figure 1](#)) as follows:
 - 161.1 Lay down the GENERATION & DISTN FIPS (B1A324) P/N 8G9B21A32401 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
 - 161.2 Install the parts that attach the clamps that hold the GENERATION & DISTN FIPS (B1A324) P/N 8G9B21A32401.
 - 161.3 Carefully connect the pins of the GENERATION & DISTN FIPS (B1A324) P/N 8G9B21A32401 to the electrical connector J215. Refer to [89-B-24-21-00-00A-051A-A](#).
- 162 Install the ICE DETECTOR SYSTEM C/A (B1A297) P/N 8G9B21A29702 (refer to [Figure 1](#)) as follows:
 - 162.1 Lay down the ICE DETECTOR SYSTEM C/A (B1A297) P/N 8G9B21A29702 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
 - 162.2 Install the parts that attach the clamps that hold the ICE DETECTOR SYSTEM C/A (B1A297) P/N 8G9B21A29702.
 - 162.3 Carefully connect the pins of the ICE DETECTOR SYSTEM C/A (B1A297) P/N 8G9B21A29702 to the electrical connector J215. Refer to [89-A-30-63-00-00A-051A-A](#).

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- 162.4 To get the correct ground connection of the ground stud GS267, follow the applicable procedure. Refer to the applicable steps of [89-A-20-10-01-00A-259A-A](#).
- 162.5 Install the parts that attach the ICE DETECTOR SYSTEM C/A (B1A297) P/N 8G9B21A29702 to the ground stud GS267.
- 163 Install the HOIST ECU RETROFIT C/A (B1A432) P/N 8G9B21A43201 (refer to [Figure 1](#)) as follows:
- 163.1 Lay down the HOIST ECU RETROFIT C/A (B1A432) P/N 8G9B21A43201 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 163.2 Install the parts that attach the clamps that hold the HOIST ECU RETROFIT C/A (B1A432) P/N 8G9B21A43201.
- 163.3 Carefully connect the pins of the HOIST ECU RETROFIT C/A (B1A432) P/N 8G9B21A43201 to the electrical connector J213. Refer to [Figure 2](#).
- 164 Install the UTILITY SOCKET C/A (B1A250) P/N 8G9B21A25001 (refer to [Figure 1](#)) as follows:
- 164.1 Lay down the UTILITY SOCKET C/A (B1A250) P/N 8G9B21A25001 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 164.2 Install the parts that attach the clamps that hold the UTILITY SOCKET C/A (B1A250) P/N 8G9B21A25001.
- 164.3 Carefully connect the pins of the UTILITY SOCKET C/A (B1A250) P/N 8G9B21A25001 to the electrical connector J213. Refer to [89-A-24-63-00-00A-051A-A](#).
- 165 Install the ICS DACS SAR CABIN C/A (B1A336) P/N 8G9B21A33601 (refer to [Figure 1](#)) as follows:
- 165.1 Lay down the ICS DACS SAR CABIN C/A (B1A336) P/N 8G9B21A33601 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 165.2 Install the parts that attach the clamps that hold the ICS DACS SAR CABIN C/A (B1A336) P/N 8G9B21A33601.
- 165.3 Carefully connect the pins of the ICS DACS SAR CABIN C/A (B1A336) P/N 8G9B21A33601 to the electrical connector J213. Refer to [89-A-23-53-00-00A-051A-A](#).
- 166 Install the ICS DACS INT LOUDSPEAKER C/A (B1A277) P/N 8G9B01A27701 (refer to [Figure 1](#)) as follows:
- 166.1 Lay down the ICS DACS INT LOUDSPEAKER C/A (B1A277) P/N 8G9B01A27701 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
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- 166.2 Install the parts that attach the clamps that hold the ICS DACS INT LOUDSPEAKER C/A (B1A277) P/N 8G9B01A27701.
- 166.3 Carefully connect the pins of the ICS DACS INT LOUDSPEAKER C/A (B1A277) P/N 8G9B01A27701 to the terminal board TB2096. Refer to [89-A-23-32-00-00A-051A-A](#).
- 167 Install the VHF/FM NPX138 C/A (B2A205) P/N 8G9B22A20501 (refer to [Figure 1](#)) as follows:
- 167.1 Lay down the VHF/FM NPX138 C/A (B2A205) P/N 8G9B22A20501 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 167.2 Install the parts that attach the clamps that hold the VHF/FM NPX138 C/A (B2A205) P/N 8G9B22A20501.
- 167.3 Carefully connect the pins of the VHF/FM NPX138 C/A (B2A205) P/N 8G9B22A20501 to the electrical connector PL62P101. Refer to [89-B-23-13-00-00A-051A-A](#).
- 168 Install the HEATER FORCED VENTILATION C/A (B1A319) P/N 8G9B21A31901 (refer to [Figure 1](#)) as follows:
- 168.1 Lay down the HEATER FORCED VENTILATION C/A (B1A319) P/N 8G9B21A31901 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 168.2 Install the parts that attach the clamps that hold the HEATER FORCED VENTILATION C/A (B1A319) P/N 8G9B21A31901.
- 168.3 Carefully connect the pins of the HEATER FORCED VENTILATION C/A (B1A319) P/N 8G9B21A31901 to the electrical connector J213. Refer to [89-A-21-21-00-01A-051A-A](#).
- 169 Install the GPS 1/2 GROUND SPEED C/A (B2A223) P/N 8G9B22A22301 (refer to [Figure 1](#)) as follows:
- 169.1 Lay down the GPS 1/2 GROUND SPEED C/A (B2A223) P/N 8G9B22A22301 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 169.2 Install the parts that attach the clamps that hold the GPS 1/2 GROUND SPEED C/A (B2A223) P/N 8G9B22A22301.
- 169.3 Carefully connect the pins of the GPS 1/2 GROUND SPEED C/A (B2A223) P/N 8G9B22A22301 to the electrical connector J219. Refer to [89-A-34-54-00-00A-051A-A](#).
- 170 Install the AC DISTRIBUTION C/A (B1A315) P/N 8G9B21A31501 (refer [Figure 1](#)) as follows:
- 170.1 Lay down the AC DISTRIBUTION C/A (B1A315) P/N 8G9B21A31501 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 170.2 Install the parts that attach the clamps that hold the AC DISTRIBUTION C/A (B1A315) P/N 8G9B21A31501.

- 170.3 Carefully connect the pins of the AC DISTRIBUTION C/A (B1A315) P/N 8G9B21A31501 to the electrical connector J215. Refer to [89-A-24-51-00-01A-051A-A](#).
- 170.4 Carefully connect the pins of the AC DISTRIBUTION C/A (B1A315) P/N 8G9B21A31501 to the electrical connector J213. Refer to [89-A-24-51-00-01A-051A-A](#).
- 171 Install the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102 (refer to [Figure 1](#)) as follows:
- 171.1 The LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102 includes the following cable assemblies:
- The AFCS C/A (B2A101) P/N 4F9B02A10103
 - The AFCS PLT/CPLT CAN C/A (B2A111) P/N 4F9B02A11102
 - The HYDRAULIC (PCM 1) C/A (B2A113) P/N 4F9B02A11303
 - The CVFDR (FLIGHT DATA RECORDER) C/A (B2A115) P/N 4F9B02A11503
 - The GPS 1/2 C/A (B2A119) P/N 4F9B02A11903
 - The MGB MONITORING C/A (B2A121) P/N 4F9B02A12103
 - The AHRS 1/2 C/A (B2A131) P/N 4F9B02A13103
 - The AC MAIN GENERATION C/A (B2A133) P/N 4F9B02A13301
 - The AC EMERGENCY GENERATION C/A (B2A135) P/N 4F9B02A13501
 - The EPGDS MONITORING C/A (B2A141) P/N 4F9B02A14102
 - The FUEL MANIFOLD CONTROL C/A (B2A143) P/N 4F9B02A14303
 - The DC MAIN GENERATION C/A (B2A145) P/N 4F9B02A14501
 - The AC/DC EXT PWR C/A (B2A134) P/N 8G9B02A13401
 - The ENGINE 1 CTRL AND IND C/A (B2A137) P/N 8G9B02A13701
 - The ENGINE 2 CTRL AND IND C/A (B2A139) P/N 8G9B02A13901
 - The ICS DACS C/A (B2A153) P/N 8G9B02A15301
 - The ENG AIR INTAKE PROTECT CTR C/A (B2A189) P/N 8G9B02A18901.
- Make sure that you install the correct cable assemblies.
- 171.2 Lay down the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 171.3 Install the parts that attach the clamps that hold the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102.
- 171.4 Carefully connect the pins of the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102 to the electrical connector J257B. Refer to [89-A-24-21-00-01A-051A-A](#).
- 171.5 Carefully connect the pins of the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102 to the electrical connector J257A. Refer to:
- [89-A-24-00-00-00A-051A-A](#)

- [89-A-24-21-00-01A-051A-A](#).

171.6 Carefully connect the pins of the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102 to the relay socket K223P1. Refer to:

- [89-A-24-41-00-00A-051A-A](#)
- [89-A-76-11-00-01A-051A-A](#).

171.7 Carefully connect the pins of the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102 to the relay socket K221P1. Refer to:

- [89-A-24-41-00-00A-051A-A](#)
- [89-A-76-11-00-01A-051A-A](#).

171.8 Get access to the electrical connector A81P1 through the opening of the access panel 228B.

171.9 Carefully connect the pins of the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102 to the electrical connector A81P1. Refer to [89-A-24-21-00-02A-051A-A](#).

171.10 Carefully connect the pins of the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102 to the electrical connector J219. Refer to [89-A-24-21-00-01A-051A-A](#).

171.11 Carefully connect the pins of the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102 to the electrical connector J219. Refer to:

- [89-A-24-00-00-00A-051A-A](#)
- [89-A-76-11-00-01A-051A-A](#).

171.12 Carefully connect the pins of the LEFT UP FWD FUSELAGE C/A (B2A1) P/N 8G9B12A00102 to the electrical connector J217. Refer to:

- [89-A-24-21-00-01A-051A-A](#)
- [89-A-24-31-00-00A-051A-A](#)
- [89-A-34-22-00-00A-051A-A](#)
- [89-A-34-54-00-00A-051A-A](#)
- [89-B-31-31-00-00A-051A-A](#).

172 Install the LEFT UP FWD FUSELAGE C/A (B1A1) P/N 8G9B11A00102 and P/N 8G9B11A00103 (refer to [Figure 1](#)) as follows:

172.1 The LEFT UP FWD FUSELAGE C/A (B1A1) P/N 8G9B11A00102 and P/N 8G9B11A00103 include the following cable assemblies:

- The VENTILATION FOR ECS C/A (B1A101) P/N 4F9B01A10104
- The HEATING FOR ECS C/A (B1A103) P/N 4F9B01A10304
- The AFCS C/A (B1A105) P/N 4F9B01A10503
- The ENGINE FIRE DET AND EXT C/A (B1A135) P/N 4F9B01A13503
- The BAGGAGE FIRE DETECTION C/A (B1A137) P/N 4F9B01A13703
- The HYDRAULIC (MAIN) C/A (B1A141) P/N 4F9B01A14103
- The HYDRAULIC (PCM 1) C/A (B1A143) P/N 4F9B01A14303

- The HYDRAULIC (PCM 2) C/A (B1A147) P/N 4F9B01A14703
- The CVFDR (FLIGHT DATA RECORDER) C/A (B1A151) P/N 4F9B01A15103
- The DOORS WARNING C/A (B1A169) P/N 4F9B01A16903
- The MGB MONITORING C/A (B1A171) P/N 4F9B01A17103
- The ROTOR BRAKE C/A (B1A173) P/N 4F9B01A17303
- The COCKPIT LIGHTING C/A (B1A189) P/N 4F9B01A18901
- The BACKLIGHT DIMMING DISTN C/A (B1A191) P/N 4F9B01A19102
- The APU FIRE DET AND EXT C/A (B1A199) P/N 4F9B01A19902
- The AC MAIN GENERATION C/A (B1A201) P/N 4F9B01A20101
- The DC MAIN GENERATION C/A (B1A203) P/N 4F9B01A20301
- The AC EMERGENCY GENERATION C/A (B1A219) P/N 4F9B01A21901
- The ECDU 1/2 C/A (B1A231) P/N 4F9B01A23102
- The AC/DC EXT PWR C/A (B1A233) P/N 4F9B01A23301
- The EPGDS MONITORING C/A (B1A237) P/N 4F9B01A23702
- The FUEL GAUGING AND PROBES C/A (B1A239) P/N 4F9B01A23902
- The FUEL MANIFOLD CONTROL C/A (B1A241) P/N 4F9B01A24103
- The PITOT HEATING C/A (B1A243) P/N 4F9B01A24302
- The APU CNTRL - STARTING C/A (B1A245) P/N 4F9B01A24502
- The REPU 1,2,3 CONTL AND COM C/A (B1A246) P/N 4F9B01A24602
- The EMERGENCY LIGHTING C/A (B1A267) P/N 4F9B01A26701
- The HYDRAULIC (PCM 1) C/A (B1A143) P/N 8G9B01A14301
- The DC MAIN GENERATION C/A (B1A184) P/N 8G9B01A18401
- The ENGINE 1 CTRL AND IND C/A (B1A235) P/N 8G9B01A23501
- The ENG AIR INTAKE PROTECT CTR C/A (B1A285) P/N 8G9B01A28501
- The ENG AIR INTAKE PROTECT PWR C/A (B1A322) P/N 8G9B01A32201.

Make sure that you install the correct cable assemblies.

- 172.2 Lay down the LEFT UP FWD FUSELAGE C/A (B1A1) P/N 8G9B11A00102 and P/N 8G9B11A00103 on their retaining clamps. Make sure that you install them in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).
- 172.3 Install the parts that attach the clamps that hold the LEFT UP FWD FUSELAGE C/A (B1A1) P/N 8G9B11A00102 and P/N 8G9B11A00103.
- 172.4 Carefully connect the pins of the LEFT UP FWD FUSELAGE C/A (B1A1) P/N 8G9B11A00102 and P/N 8G9B11A00103 to the electrical connector J245. Refer to:
- [89-A-26-00-00-00A-051A-A](#)
 - [89-A-26-14-00-00A-051A-A](#)

- [89-A-63-51-00-00A-051A-A](#).

172.5 Get access to the electrical connector A81P1 through the opening of the access panel 228B.

172.6 Carefully connect the pins of the LEFT UP FWD FUSELAGE C/A (B1A1) P/N 8G9B11A00102 and P/N 8G9B11A00103 to the electrical connector A81P1. Refer to:

- [89-A-21-40-00-00A-051A-A](#)
- [89-A-24-00-00-00A-051A-A](#)
- [89-A-24-21-00-02A-051A-A](#)
- [89-A-24-41-00-00A-051A-A](#)
- [89-A-49-31-00-00A-051A-A](#).

172.7 Get access to the upper deck.

172.8 Carefully connect the pins of the LEFT UP FWD FUSELAGE C/A (B1A1) P/N 8G9B11A00102 and P/N 8G9B11A00103 to the electrical connector MG1J2. Refer to [89-A-49-31-00-00A-051A-A](#).

172.9 Carefully connect the pins of the LEFT UP FWD FUSELAGE C/A (B1A1) P/N 8G9B11A00102 and P/N 8G9B11A00103 to the electrical connector J215. Refer to:

- [89-A-24-21-00-01A-051A-A](#)
- [89-A-24-41-00-00A-051A-A](#)
- [89-A-26-00-00-00A-051A-A](#)
- [89-A-49-31-00-00A-051A-A](#)
- [89-B-31-31-00-00A-051A-A](#).

172.10 Carefully connect the pins of the LEFT UP FWD FUSELAGE C/A (B1A1) P/N 8G9B11A00102 and P/N 8G9B11A00103 to the electrical connector J213. Refer to:

- [89-A-21-40-00-00A-051A-A](#)
- [89-A-24-00-00-00A-051A-A](#)
- [89-A-24-21-00-02A-051A-A](#)
- [89-A-24-31-00-00A-051A-A](#)
- [89-A-24-81-00-00A-051A-A](#)
- [89-A-24-81-00-01A-051A-A](#)
- [89-A-26-00-00-00A-051A-A](#)
- [89-A-26-13-00-00A-051A-A](#)
- [89-A-26-14-00-00A-051A-A](#)
- [89-A-28-21-00-00A-051A-A](#)
- [89-A-29-10-00-00A-051A-A](#)
- [89-A-29-11-00-00A-051A-A](#)
- [89-A-30-21-00-00A-051A-A](#)
- [89-A-30-31-00-00A-051A-A](#)
- [89-A-33-11-00-01A-051A-A](#)

- [89-A-49-31-00-00A-051A-A](#)
- [89-A-52-70-00-00A-051A-A](#)
- [89-B-31-31-00-00A-051A-A](#).

173 Install the REPU 1,2,3 CONTL AND COM C/A (B1A251) P/N 4F9B11A25102 (refer to [Figure 1](#)) as follows:

173.1 Lay down the REPU 1,2,3 CONTL AND COM C/A (B1A251) P/N 4F9B11A25102 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).

173.2 Install the parts that attach the clamps that hold the REPU 1,2,3 CONTL AND COM C/A (B1A251) P/N 4F9B11A25102.

173.3 Connect the two terminal lugs (Q3JA1) to the REPU3. Refer to the applicable steps of [89-A-24-81-07-00A-720A-A](#), [89-A-24-81-00-00A-051A-A](#) and to the Sheet 4 of [Figure 1](#).

174 Install the REPU 1,2,3 CONTL AND COM C/A (B1A229) P/N 4F9B11A22902 (refer to [Figure 1](#)) as follows:

174.1 Lay down the REPU 1,2,3 CONTL AND COM C/A (B1A229) P/N 4F9B11A22902 on its retaining clamps. Make sure that you install it in the same clamps and in the same positions recorded during its removal. Refer to [Figure 1](#).

174.2 Install the parts that attach the clamps that hold the REPU 1,2,3 CONTL AND COM C/A (B1A229) P/N 4F9B11A22902.

174.3 Connect the two terminal lugs (Q3JB1) to the REPU3. Refer to the applicable steps of [89-A-24-81-07-00A-720A-A](#), [89-A-24-81-00-00A-051A-A](#) and to the Sheet 4 of [Figure 1](#).

175 Get access to the left forward part of the STA 6700 frame.

176 Put these electrical connectors in their positions on the STA 6700 frame:

- The electrical connector J213
- The electrical connector J215
- The electrical connector J217
- The electrical connector J219
- The electrical connector J245
- The electrical connector J269.

177 Install the parts that attach these electrical connectors to the structure:

- The electrical connector J213
- The electrical connector J215
- The electrical connector J217
- The electrical connector J219
- The electrical connector J245

- The electrical connector J269.
- 178 Get access to the left aft part of the STA 6700 frame.
- 179 Connect these electrical connectors to the related mating connectors:
- The electrical connector P213
 - The electrical connector P215
 - The electrical connector P217
 - The electrical connector P219
 - The electrical connector P245
 - The electrical connector P269.
- 180 Get access to the baggage compartment.
- 181 Install the Number 2 manifold. Refer to [89-A-28-21-07-00A-720A-A](#).
- 182 Install the Number 1 manifold. Refer to [89-A-28-21-03-00A-720A-A](#).
- 183 Install the cover panel. Refer to [89-A-53-14-06-00A-720A-A](#).
- 184 Install the auxiliary-centre aft shelf P/N 8G5315A14631 (refer to [Figure 7](#)) as follows:
- 184.1 Carefully put the auxiliary-centre aft shelf P/N 8G5315A14631 in its position on the structure. Make sure that you do not cause damage to the components installed on the auxiliary-centre aft shelf P/N 8G5315A14631.
- 184.2 Install the 24 washers and the 24 screws that attach the auxiliary-centre aft shelf P/N 8G5315A14631 to the adjacent structures.
- 184.3 Carefully remove from stowage the cable assemblies that are attached to the auxiliary-centre aft shelf P/N 8G5315A14631.
- 184.4 Put each cable assembly in its position on the auxiliary-centre aft shelf P/N 8G5315A14631. Make sure that you put them in the same positions you recorded during the removal.
- 184.5 Install the parts that attach the cable assemblies to the auxiliary-centre aft shelf P/N 8G5315A14631.
- 185 Install the forward baggage-compartment light. Refer to [89-A-33-13-01-00A-720A-A](#).
- 186 Install the APU power-distribution unit (AC FIPS APU PDU). Refer to [89-B-24-21-10-00A-720A-A](#).
- 187 Install the digital recorder unit. Refer to [89-A-31-33-02-00A-720A-A](#).
- 188 Install the Number 1 GPS receiver. Refer to [89-A-34-54-01-00A-720A-A](#).
- 189 Install the V/UHF logic converter unit. Refer to [89-A-23-14-04-00A-720A-A](#).

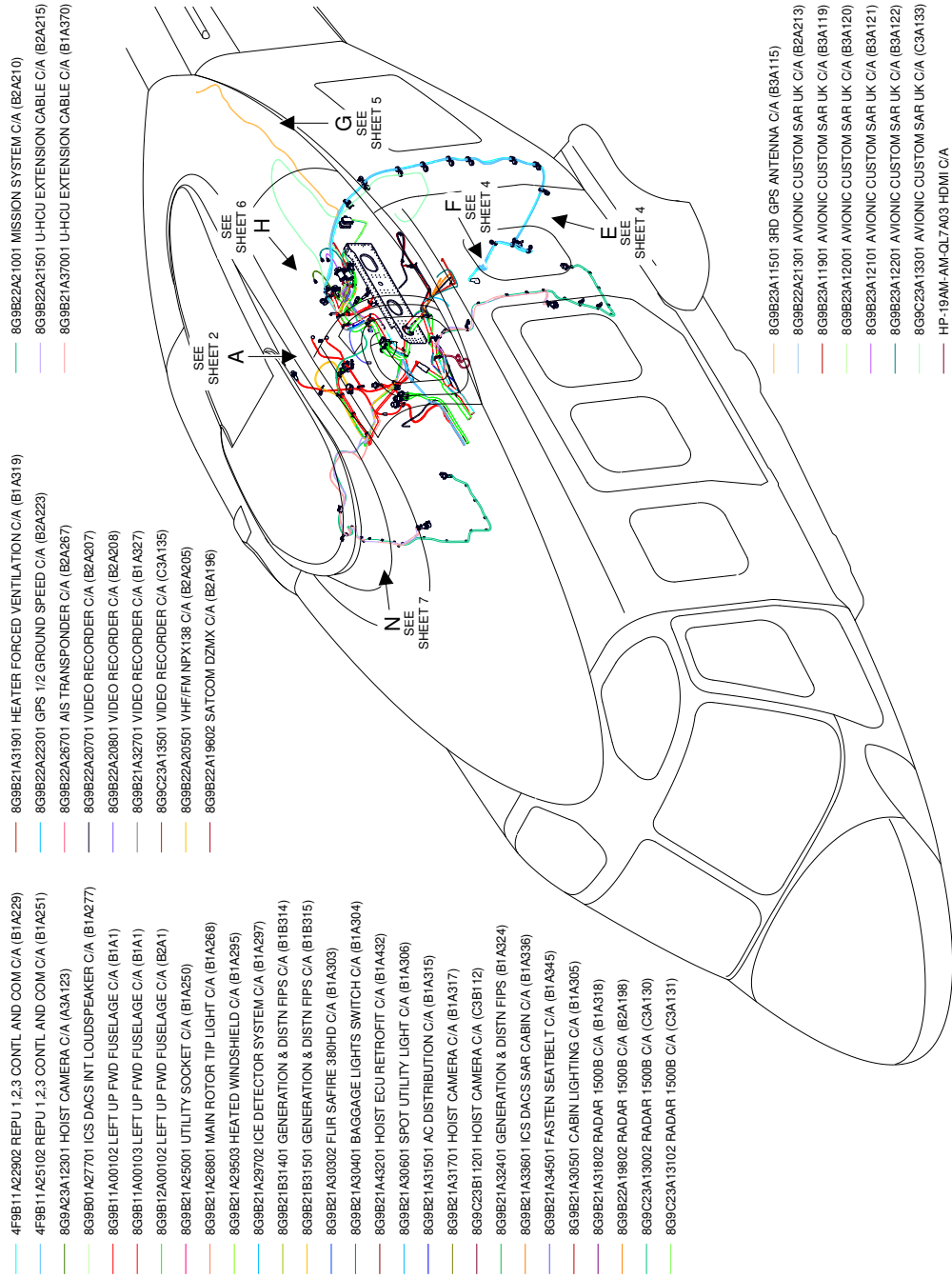
- 190 Install the AIS transponder. Refer to [89-A-34-57-01-00B-720A-A](#).
- 191 Install the V/UHF transceiver. Refer to [89-A-23-14-01-00A-720A-A](#).
- 192 Install the AC-generator control unit. Refer to [89-B-24-21-07-00A-720A-A](#).
- 193 Install the cabin PC. Refer to [89-A-46-32-03-00A-720A-A](#).
- 194 Install the Number 2 interface unit. Refer to [89-A-46-32-02-00A-720A-A](#).
- 195 Install the Number 1 interface unit. Refer to [89-A-46-32-01-00A-720A-A](#).
- 196 Install the radar-interface unit-mounting tray. Refer to [89-B-34-41-07-00A-720A-A](#).
- 197 Install the radar interface unit. Refer to [89-B-34-41-06-00A-520A-A](#).
- 198 Install the separation panel. Refer to [89-A-53-14-05-00A-720A-A](#).
- 199 Get access to the cabin.
- 200 Install the left stowage tray. Refer to [89-A-53-14-02-00A-720A-A](#).
- 201 Install the right stowage tray. Refer to [89-A-53-14-01-00A-720A-A](#).
- 202 Install the VHF/FM transceiver. Refer to [89-B-23-13-01-00A-720A-A](#).
- 203 Install the hand control units. Refer to [89-A-93-51-02-00A-720A-A](#) and to [89-A-00-10-00-01A-010A-A](#).
- 204 Install the keyboards. Refer to [89-A-46-32-04-00A-720A-A](#) and to [89-A-00-10-00-01A-010A-A](#).
- 205 Install the Number 2 mission-display group. Refer to [89-A-46-32-06-00A-720A-A](#).
- 206 Install the Number 1 mission-display group. Refer to [89-A-46-32-05-00A-720A-A](#).
- 207 Install all the cabin seats you removed before. For the applicable seat configuration refer to [89-A-25-20-00-00A-028A-A](#).
- 208 Get access to the upper deck.
- 209 Install the Number 1 lightning-protection unit. Refer to [89-A-71-02-01-00A-720A-A](#).
- 210 Install the rotor-brake disc cover. Refer to [89-A-63-51-12-00A-720A-A](#).
- 211 Install the Number 1 aft firewall. Refer to [89-A-71-32-03-00A-720A-A](#).
- 212 Install the Number 1 forward-lower firewall. Refer to [89-A-71-32-01-02A-720A-A](#).
- 213 Install the Number 1 forward-upper firewall. Refer to [89-A-71-32-01-01A-720A-A](#).

- 214 Install the auxiliary power unit firewall. Refer to [89-A-71-32-05-00A-720A-A](#).
- 215 Install the auxiliary power unit. Refer to [89-A-49-11-01-00A-720A-A](#).
- 216 Install the left-inboard air intake. Refer to [89-A-71-11-10-00B-720A-A](#).
- 217 Install the left-outboard air intake. Refer to [89-A-71-11-08-00C-720A-A](#).
- 218 Install the left-air intake cowling. Refer to [89-A-71-11-06-00A-720A-A](#).
- 219 Install the Number 1 check valve. Refer to [89-A-21-40-05-00A-720A-A](#).
- 220 Install the Number 1 shutoff valve. Refer to [89-A-21-40-02-00A-720A-A](#).
- 221 Install the Number 1 engine-sensing element. Refer to [89-A-26-11-01-00A-720A-A](#).
- 222 Install the Number 1 engine inboard-bracket. Refer to [89-A-71-22-02-00A-720A-A](#).
- 223 Install the left-engine access-doors lever-assembly fittings. Refer to [89-A-71-11-22-00A-720A-A](#).
- 224 Install the left-engine access-doors struts. Refer to [89-A-71-11-21-00A-720A-A](#).
- 225 Install the tail section with the system components installed. Refer to [89-A-53-40-01-00A-720A-A](#).
- 226 Install the tail plane. Refer to [89-A-55-11-01-00A-720A-A](#).
- 227 Install the main gearbox group. Refer to [89-A-63-20-00-00A-720A-A](#).
- 228 Install the main rotor head. Refer to [89-A-62-22-00-00A-720A-A](#).
- 229 [K134] Install the main rotor blades. Refer to [89-B-62-11-01-00A-720A-A](#).
- 230 Install the Number 1 engine. Refer to [89-A-71-01-01-00A-720A-A](#).
- 231 Install the Number 1 engine access door. Refer to [89-A-71-11-02-00A-720A-A](#).
- 232 Install the Number 2 engine. Refer to [89-A-71-01-02-00A-720A-A](#).
- 233 Install the aft sliding cowling. Refer to [89-A-71-11-04-00A-720A-A](#).
- 234 Install the lining panels you removed before. Refer to [89-A-25-80-00-00A-010A-A](#).

Requirements After Job Completion

- 1 Remove all the tools and the other items from the work area. Make sure that the work area is clean.

- 2 Close/Install the access doors/panels 168A, 228A, 228B, 228C, 451A, 461A and 471A. Refer to [89-A-06-41-00-00A-010A-A](#)
- 3 Remove the Platform from the left side of the fuselage.
- 4 Lower the helicopter on the ground. Refer to [89-A-07-11-00-00A-100A-A](#)



- 4F9B11A22902 REPU 1, 2, 3 CONTL AND COM C/A (B1A229)
- 4F9B11A25102 REPU 1, 2, 3 CONTL AND COM C/A (B1A251)
- 8G9A23A12301 HOIST CAMERA C/A (A3A123)
- 8G9B01A27701 ICS DACS INT LOUDSPEAKER C/A (B1A277)
- 8G9B11A00102 LEFT UP FWD FUSELAGE C/A (B1A1)
- 8G9B11A00103 LEFT UP FWD FUSELAGE C/A (B1A1)
- 8G9B12A00102 LEFT UP FWD FUSELAGE C/A (B2A1)
- 8G9B21A25001 UTILITY SOCKET C/A (B1A250)
- 8G9B21A26801 MAIN ROTOR TIP LIGHT C/A (B1A268)
- 8G9B21A29603 HEATED WINDSHIELD C/A (B1A295)
- 8G9B21A29702 ICE DETECTOR SYSTEM C/A (B1A297)
- 8G9B21B31401 GENERATION & DISTN FIPS C/A (B1B314)
- 8G9B21B31501 GENERATION & DISTN FIPS C/A (B1B315)
- 8G9B21A30302 FLIR SAFIRE 380HD C/A (B1A303)
- 8G9B21A30401 BAGGAGE LIGHTS SWITCH C/A (B1A304)
- 8G9B21A43201 HOIST ECU RETROFIT C/A (B1A432)
- 8G9B21A30601 SPOT UTILITY LIGHT C/A (B1A306)
- 8G9B21A31501 AC DISTRIBUTION C/A (B1A315)
- 8G9B21A31701 HOIST CAMERA C/A (B1A317)
- 8G9C23B11201 HOIST CAMERA C/A (C3B112)
- 8G9B21A32401 GENERATION & DISTN FIPS (B1A324)
- 8G9B21A33601 ICS DACS SAR CABIN C/A (B1A336)
- 8G9B21A34501 FASTEN SEATBELT C/A (B1A345)
- 8G9B21A30501 CABIN LIGHTING C/A (B1A305)
- 8G9B21A31802 RADAR 1500B C/A (B1A318)
- 8G9B22A19802 RADAR 1500B C/A (B2A198)
- 8G9C23A13002 RADAR 1500B C/A (C3A130)
- 8G9C23A13102 RADAR 1500B C/A (C3A131)

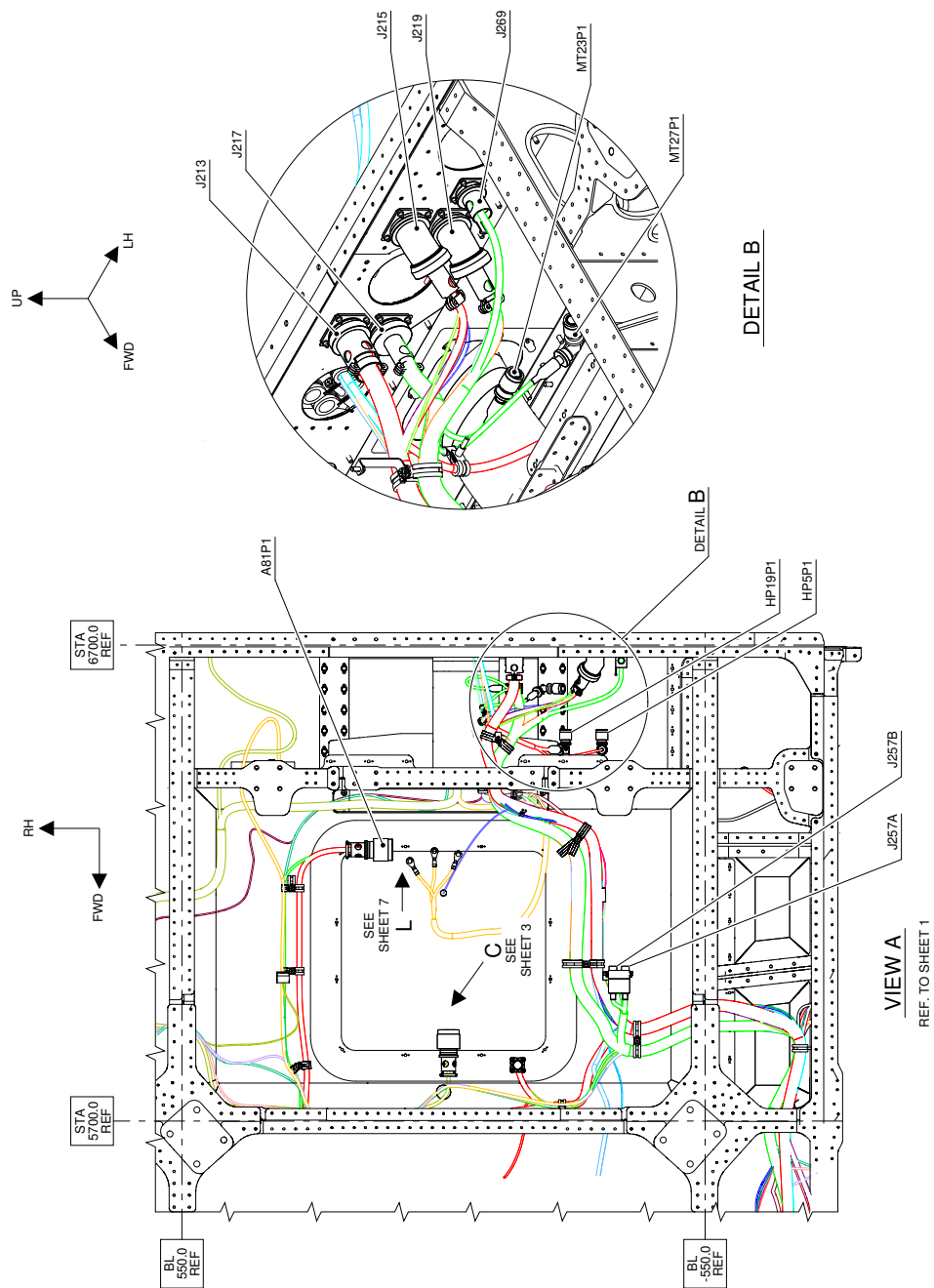
- 8G9B21A31901 HEATER FORCED VENTILATION C/A (B1A319)
- 8G9B22A22301 GPS 1/2 GROUND SPEED C/A (B2A223)
- 8G9B22A26701 AIS TRANSPONDER C/A (B2A267)
- 8G9B22A20701 VIDEO RECORDER C/A (B2A207)
- 8G9B22A20801 VIDEO RECORDER C/A (B2A208)
- 8G9C23A13501 VIDEO RECORDER C/A (C3A135)
- 8G9B22A20501 VHF/FM NFX138 C/A (B2A205)
- 8G9B22A19602 SATCOM DZMAX C/A (B2A196)

- 8G9B22A21001 MISSION SYSTEM C/A (B2A210)
- 8G9B22A21501 UHCU EXTENSION CABLE C/A (B2A215)
- 8G9B21A37001 UHCU EXTENSION CABLE C/A (B1A370)

- 8G9B22A11501 3RD GPS ANTENNA C/A (B3A115)
- 8G9B22A21301 AVIONIC CUSTOM SAR UK C/A (B2A213)
- 8G9B23A11901 AVIONIC CUSTOM SAR UK C/A (B3A119)
- 8G9B23A12001 AVIONIC CUSTOM SAR UK C/A (B3A120)
- 8G9B23A12101 AVIONIC CUSTOM SAR UK C/A (B3A121)
- 8G9B23A12201 AVIONIC CUSTOM SAR UK C/A (B3A122)
- 8G9B23A13301 AVIONIC CUSTOM SAR UK C/A (C3A133)
- HP-19AM-AM-QL7A03 HDMI C/A

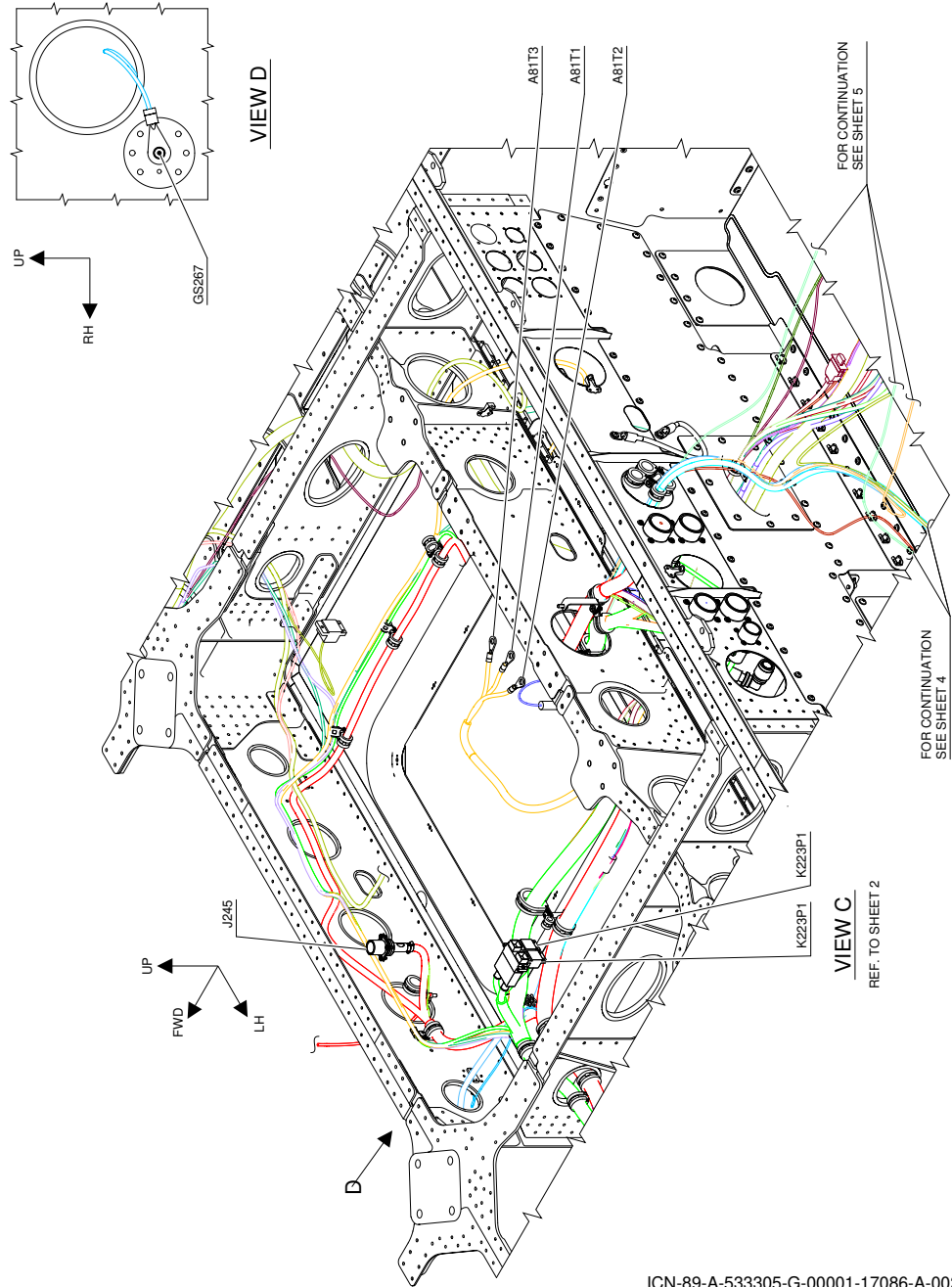
ICN-89-A-533305-G-00001-17084-A-002-01

Figure 1 (Sheet 1 of 7) Left BL 550 aft longeron - Electrical parts



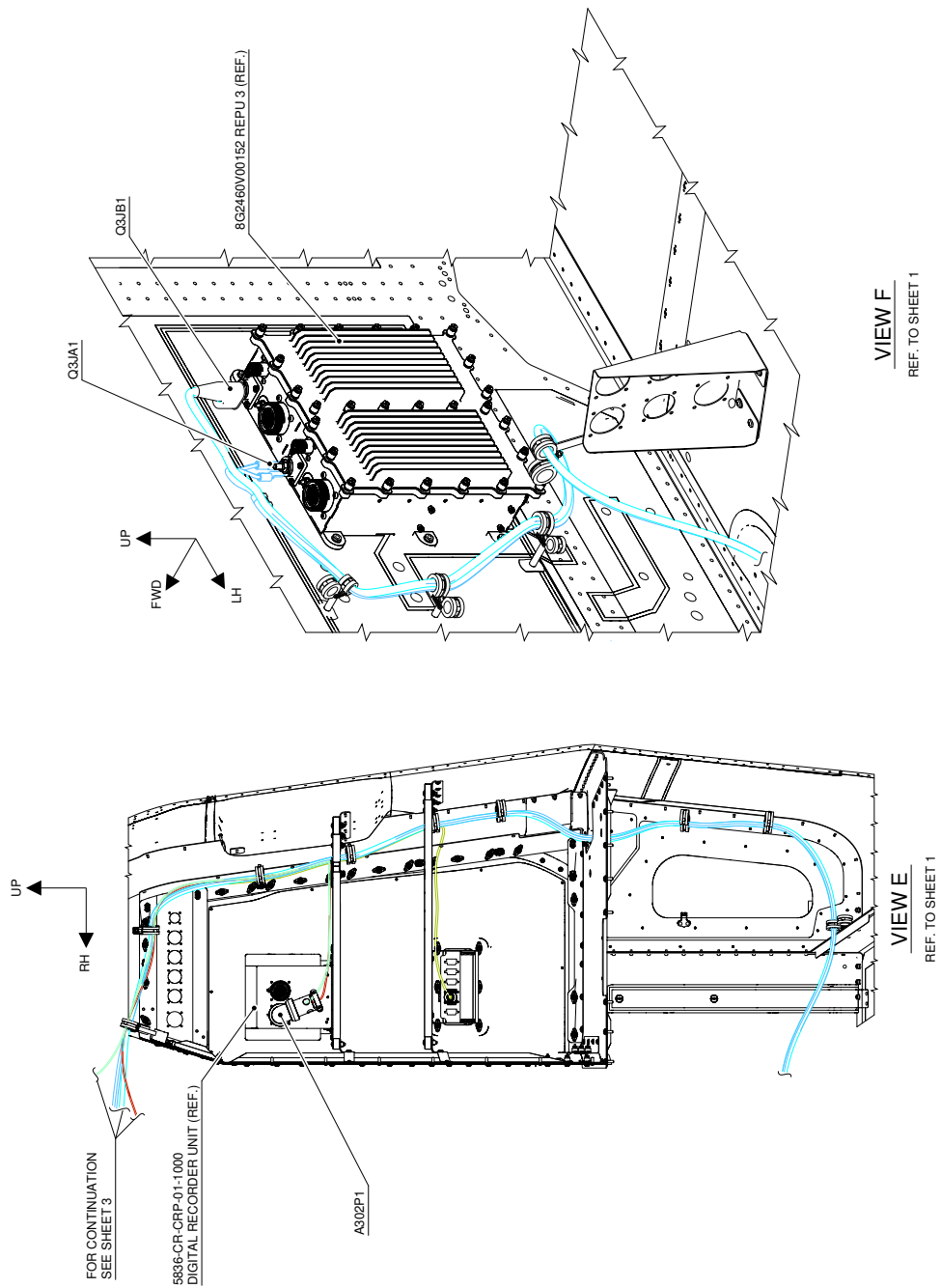
ICN-89-A-533305-G-00001-17085-A-002-01

Figure 1 (Sheet 2 of 7) Left BL 550 aft longeron - Electrical parts



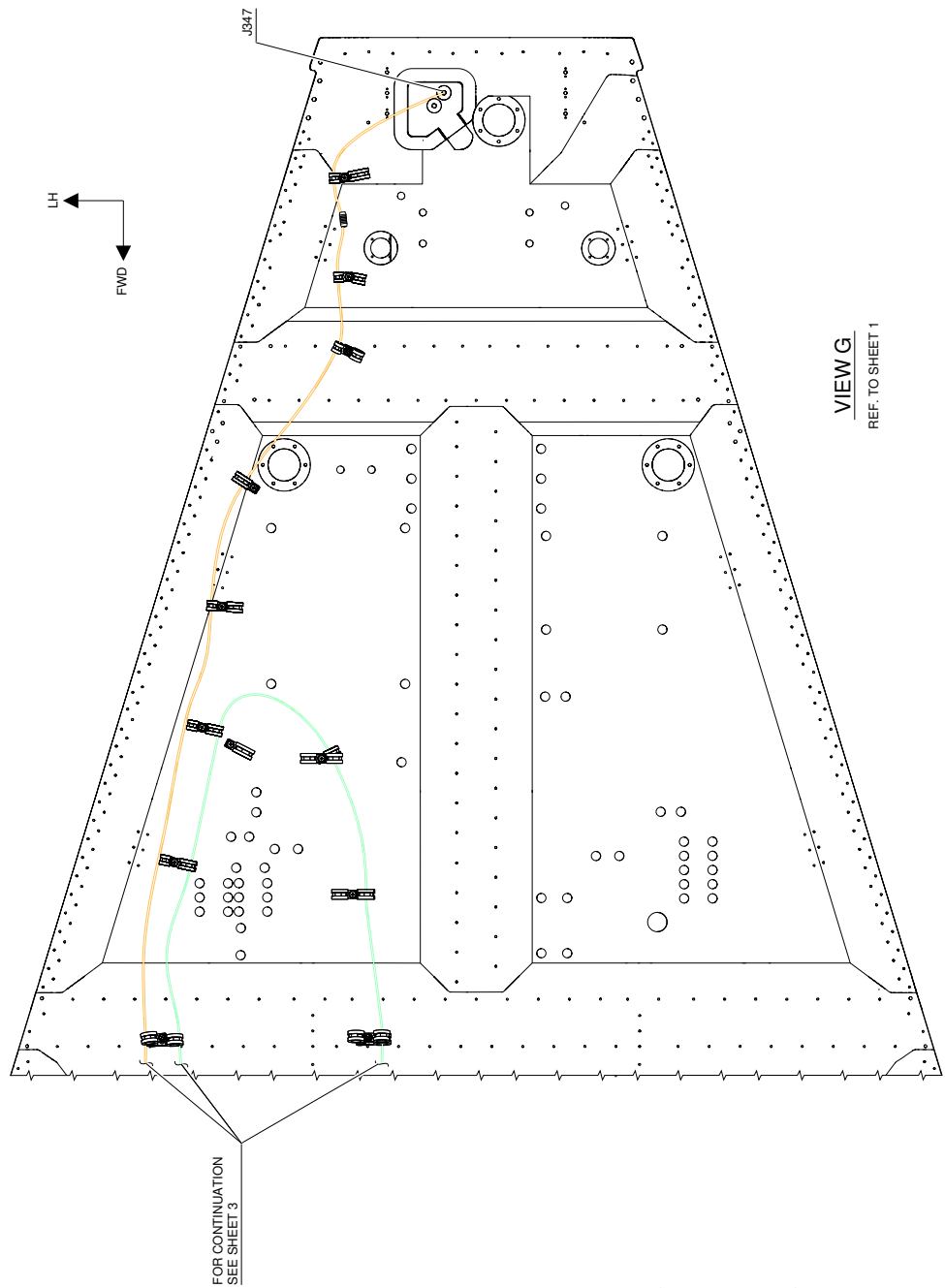
ICN-89-A-533305-G-00001-17086-A-002-01

Figure 1 (Sheet 3 of 7) Left BL 550 aft longeron - Electrical parts



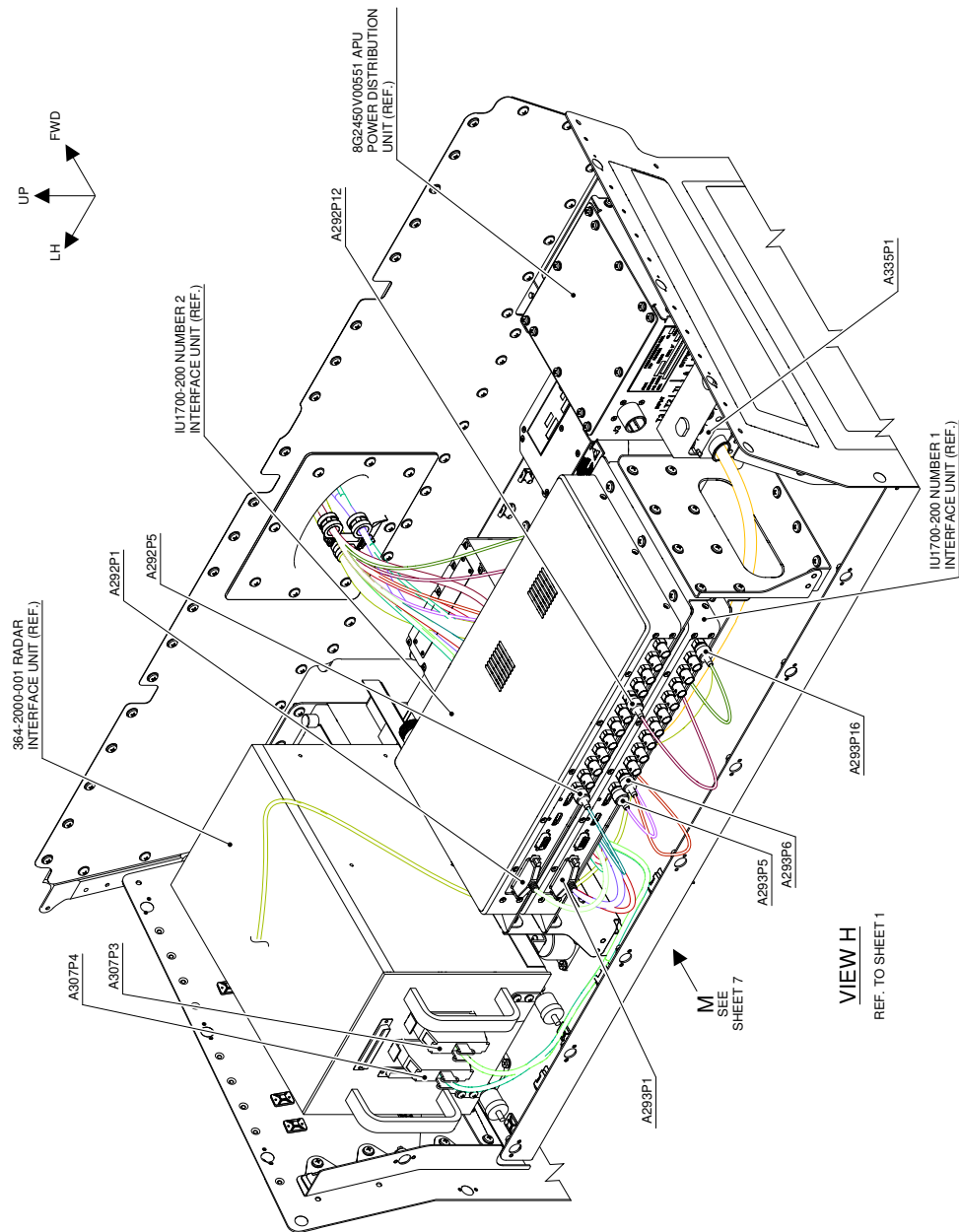
ICN-89-A-533305-G-00001-17087-A-002-01

Figure 1 (Sheet 4 of 7) Left BL 550 aft longeron - Electrical parts



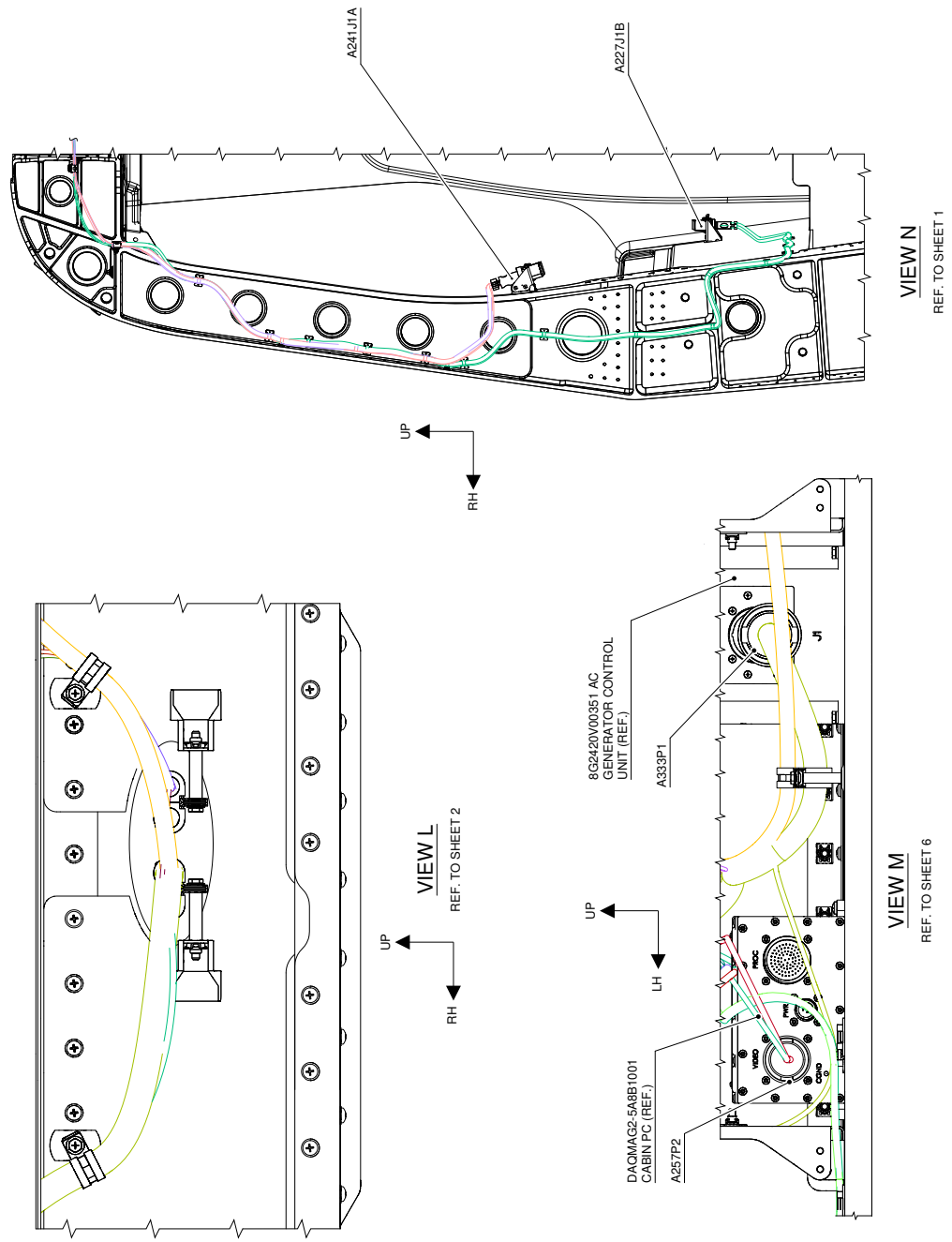
ICN-89-A-533305-G-00001-17088-A-001-01

Figure 1 (Sheet 5 of 7) Left BL 550 aft longeron - Electrical parts



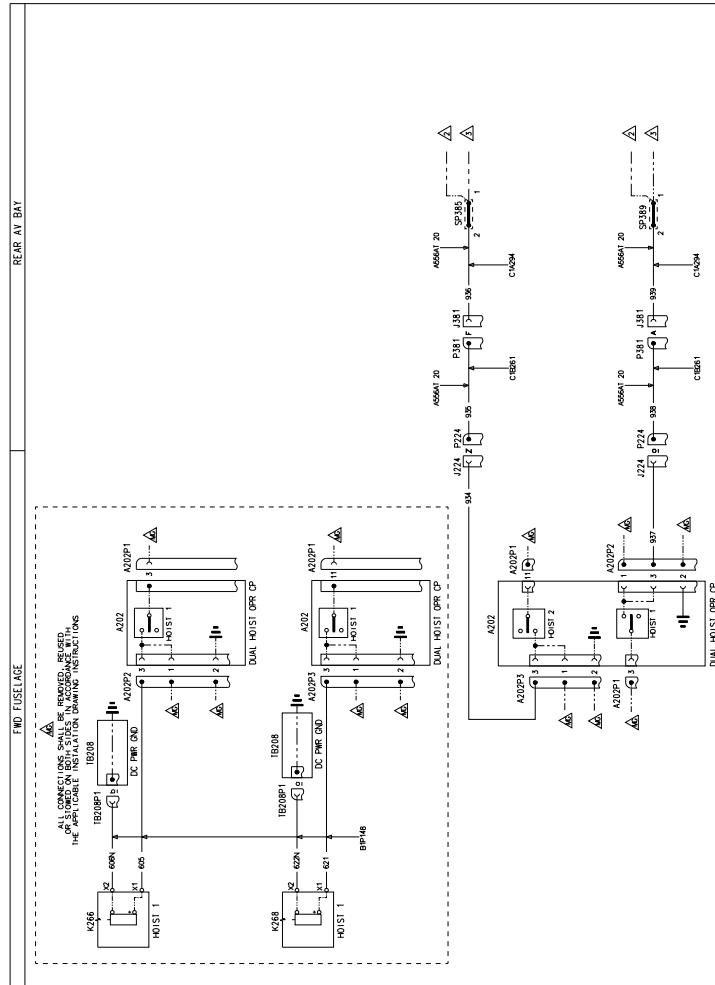
ICN-89-A-533305-G-00001-17089-A-001-01

Figure 1 (Sheet 6 of 7) Left BL 550 aft longeron - Electrical parts



ICN-89-A-533305-G-00001-17100-A-002-01

Figure 1 (Sheet 7 of 7) Left BL 550 aft longeron - Electrical parts



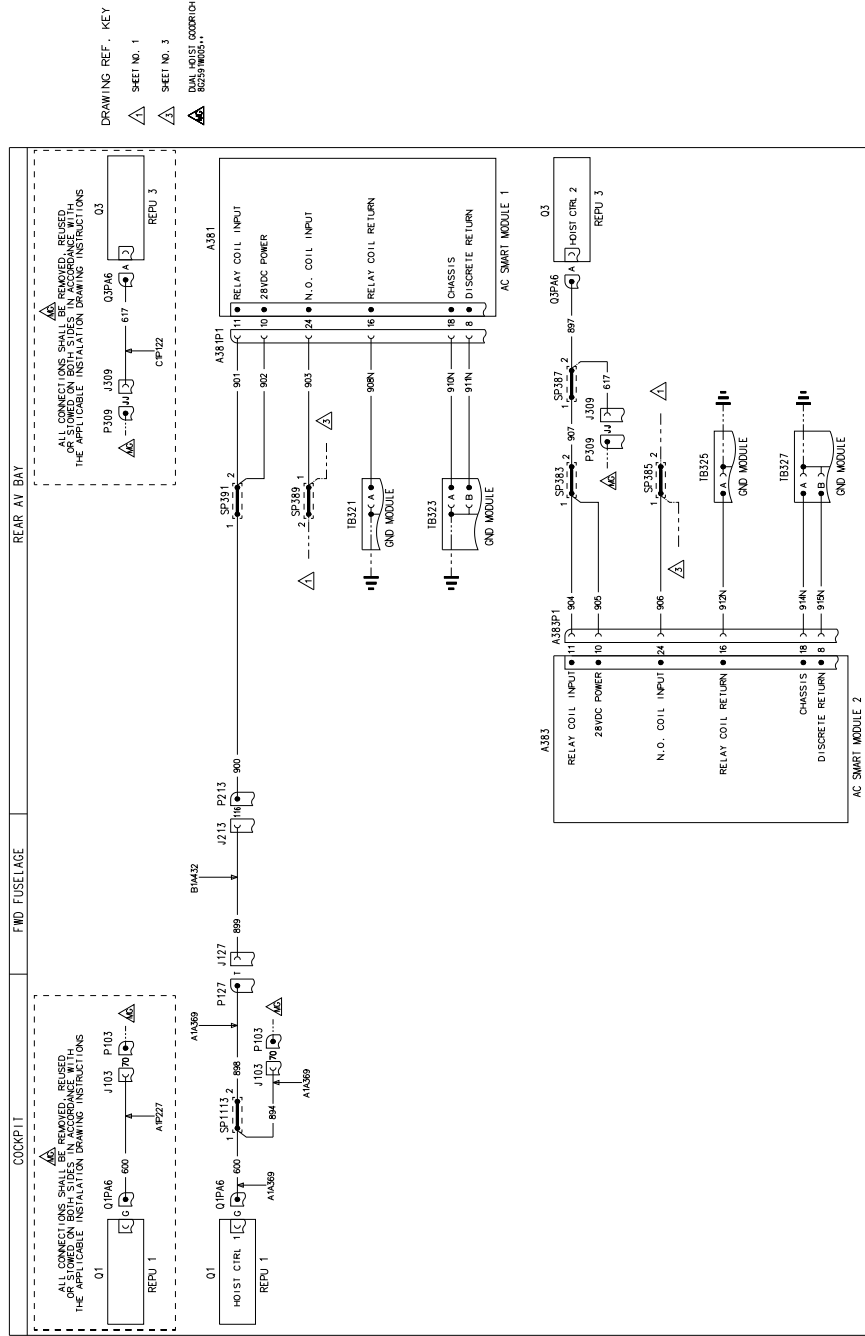
DRAWING REF. KEY
 △ SKET NO. 2
 △ SKET NO. 3
 △ BEST LOCATIONS
 △ BEST PRACTICE

C/A CROSS REFERENCE	
C/A CADEX	NEXT ASSY
1.05237	INST
BIP148	INST
CIP122	INST

FUNCTIONAL NOTES
 ALL CABLES ARE IN CONFORMANCE WITH THE AW189 DESIGNATION 2591 AND FOLLOWED BY WIRE SIZE AND DC CODE.
 ALL CABLES ARE OF THE AW189 TYPE UNLESS SPECIFIED OTHERWISE.
 CABLE IDENTIFICATION NUMBER IS PROVIDED BY THE AIA. 100 DESCRIPTION 2591 AND FOLLOWED BY WIRE SIZE AND DC CODE.

ICN-89-A-533305-G-00001-17091-A-001-01

Figure 2 (Sheet 1 of 5) Hoist ECU retrofit - Wiring diagram



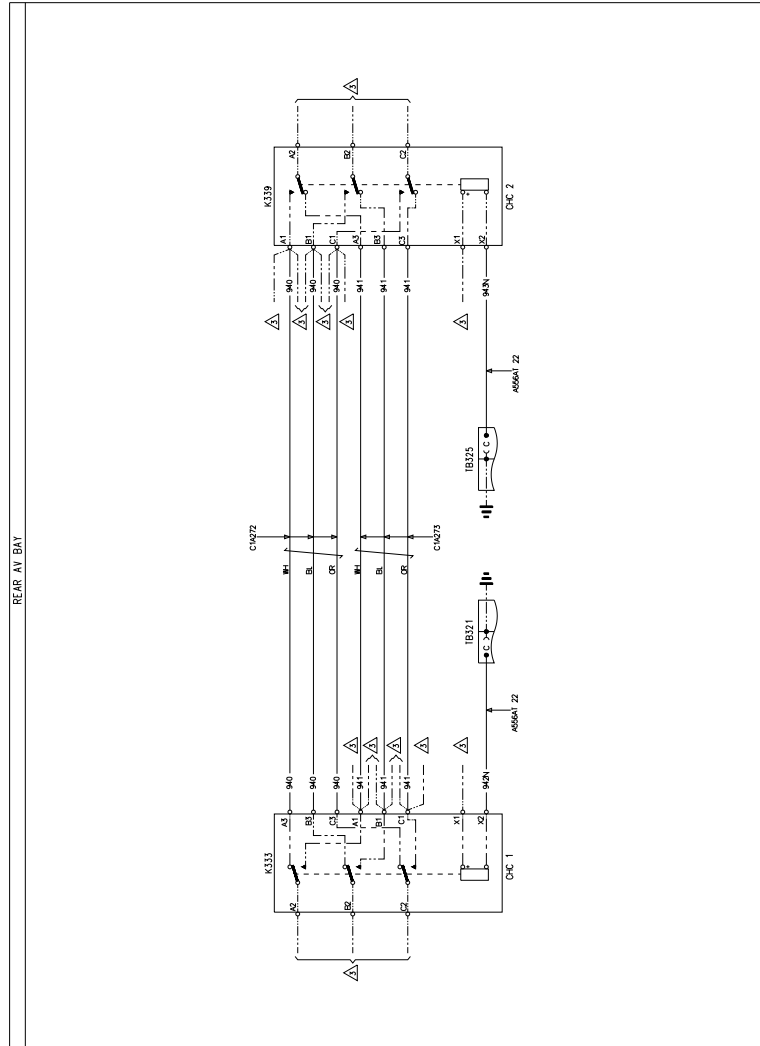
DRAWING REF. KEY
 △ SHEET NO. 1
 △ SHEET NO. 3
 △ DUAL HOIST GOODRICH 8G2591W005.1

8G2591W01001
 W/D HOIST ECU RETROFIT
 SHEET 2

FUNCTIONAL NOTES
 ALL CABLES ARE IN LOM C14294 UNLESS SPECIFIED.
 ALL CABLES ARE OF THE M80841 22 UNLESS SPECIFIED.
 CABLE IDENT. EVERY WIRE NUMBER IS PRECEDED BY THE 444 100 DESCRIPTION 2591 AND FOLLOWED BY WIRE SIZE AND D.C. CODE.

ICN-89-A-533305-G-00001-17092-A-001-01

Figure 2 (Sheet 2 of 5) Hoist ECU retrofit - Wiring diagram



DRAWING REF. KEY
 ▲ SHEET NO. 3

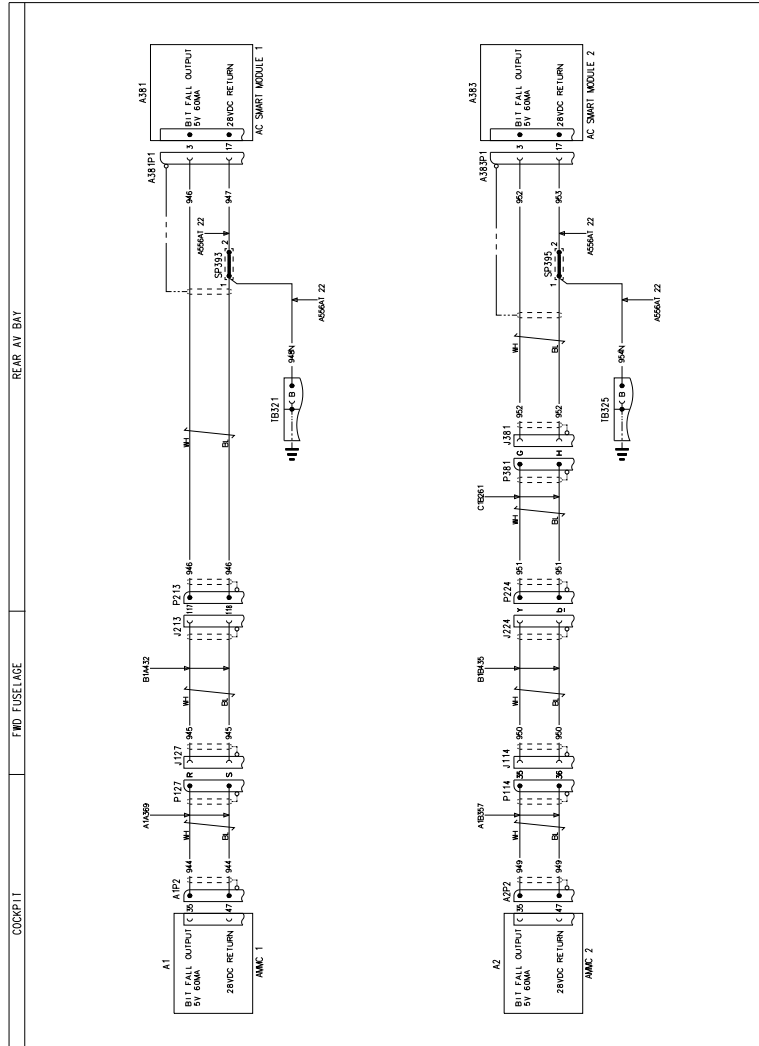
FUNCTIONAL INDICES

ALL WIRE NUMBERS REFER TO THE WIRING DIAGRAM FOR THE HOIST ECU RETROFIT. ALL CABLES ARE OF TYPE CABLES TO BE USED IN THE HOIST. CABLE IDENTIFICATION 2591 AND FOLLOWED BY WIRE SIZE AND DMC CODE.

8G2591W01001
 W/D HOIST ECU RETROFIT
 SHEET 4

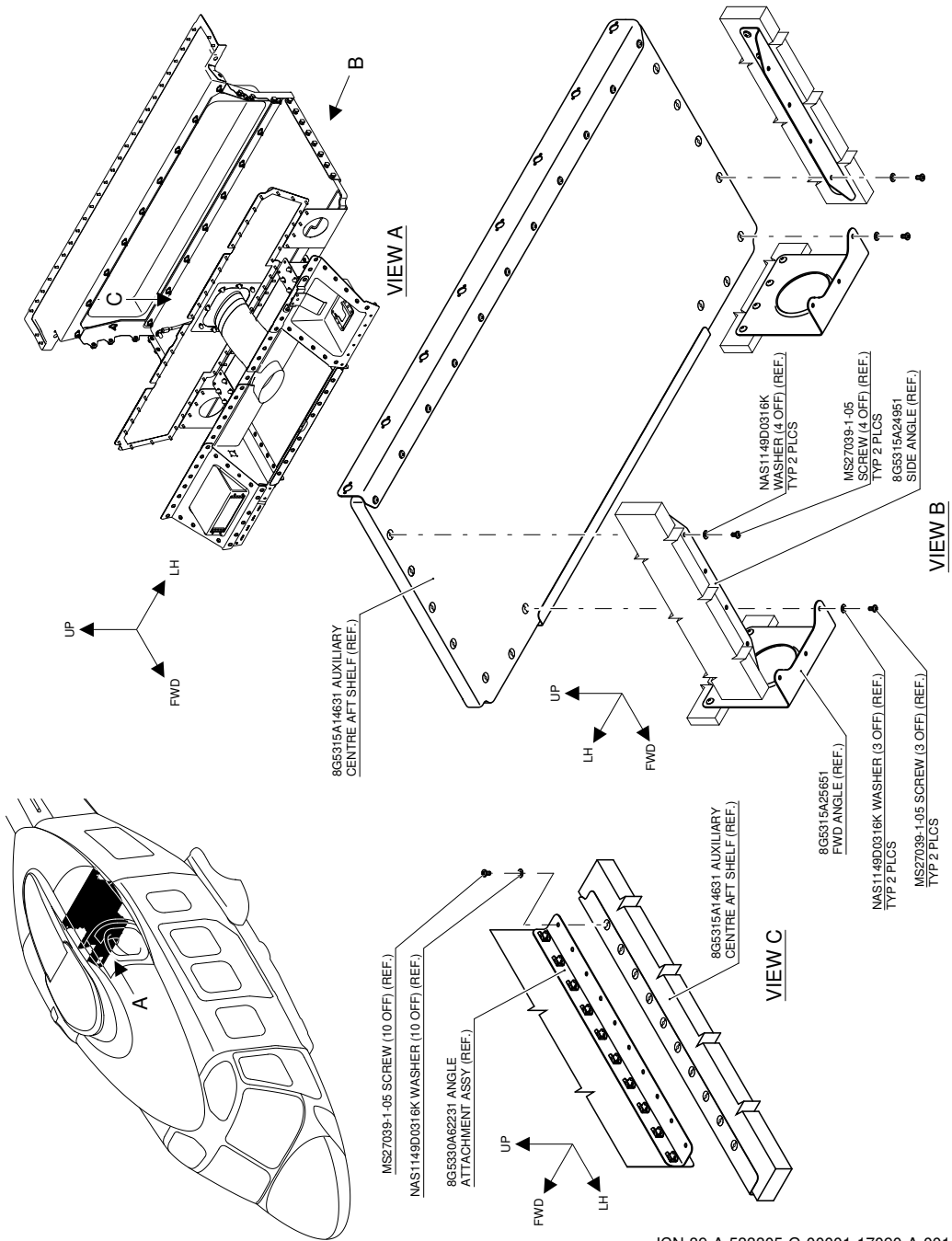
ICN-89-A-533305-G-00001-17094-A-001-01

Figure 2 (Sheet 4 of 5) Hoist ECU retrofit - Wiring diagram



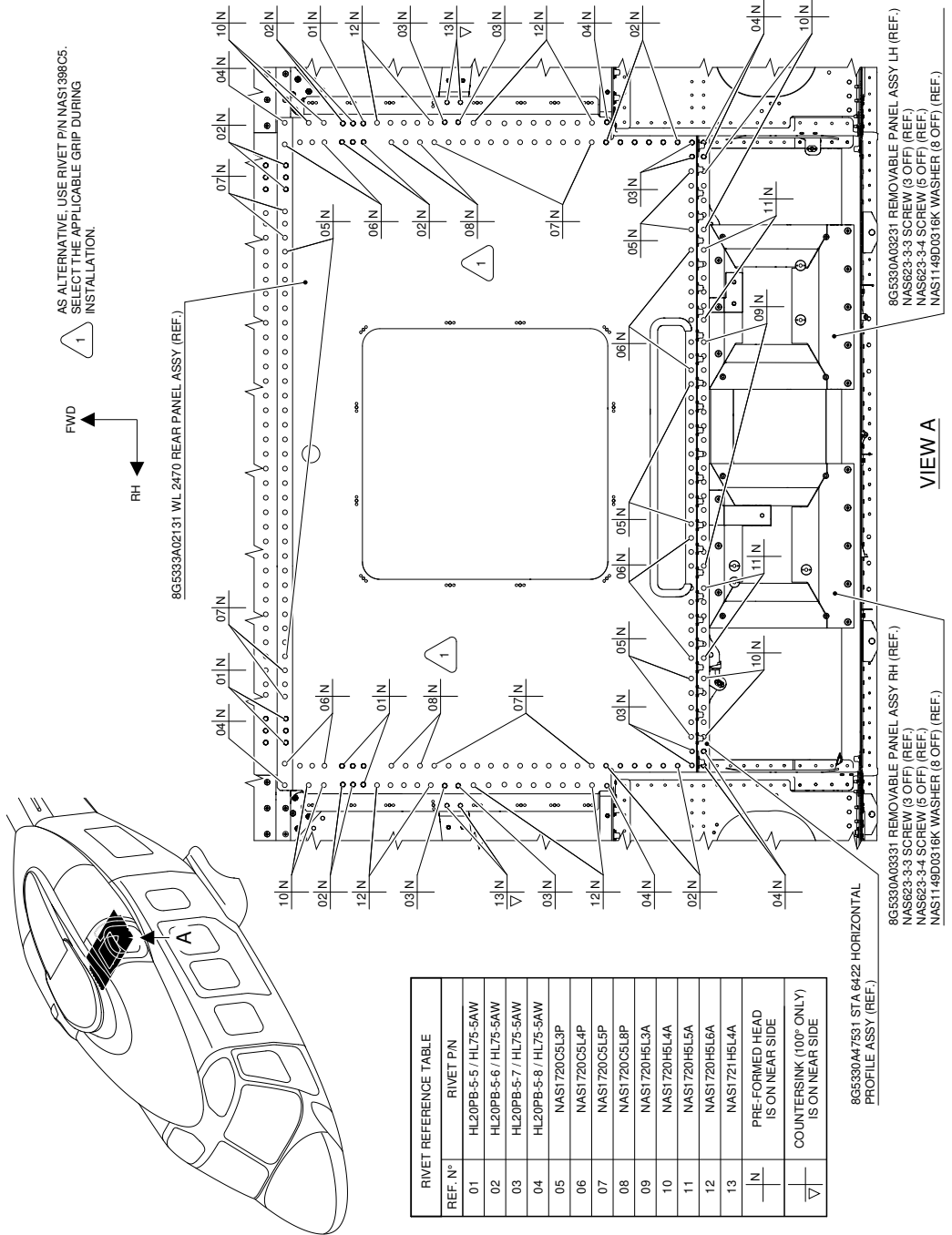
ICN-89-A-533305-G-00001-17095-A-001-01

Figure 2 (Sheet 5 of 5) Hoist ECU retrofit - Wiring diagram



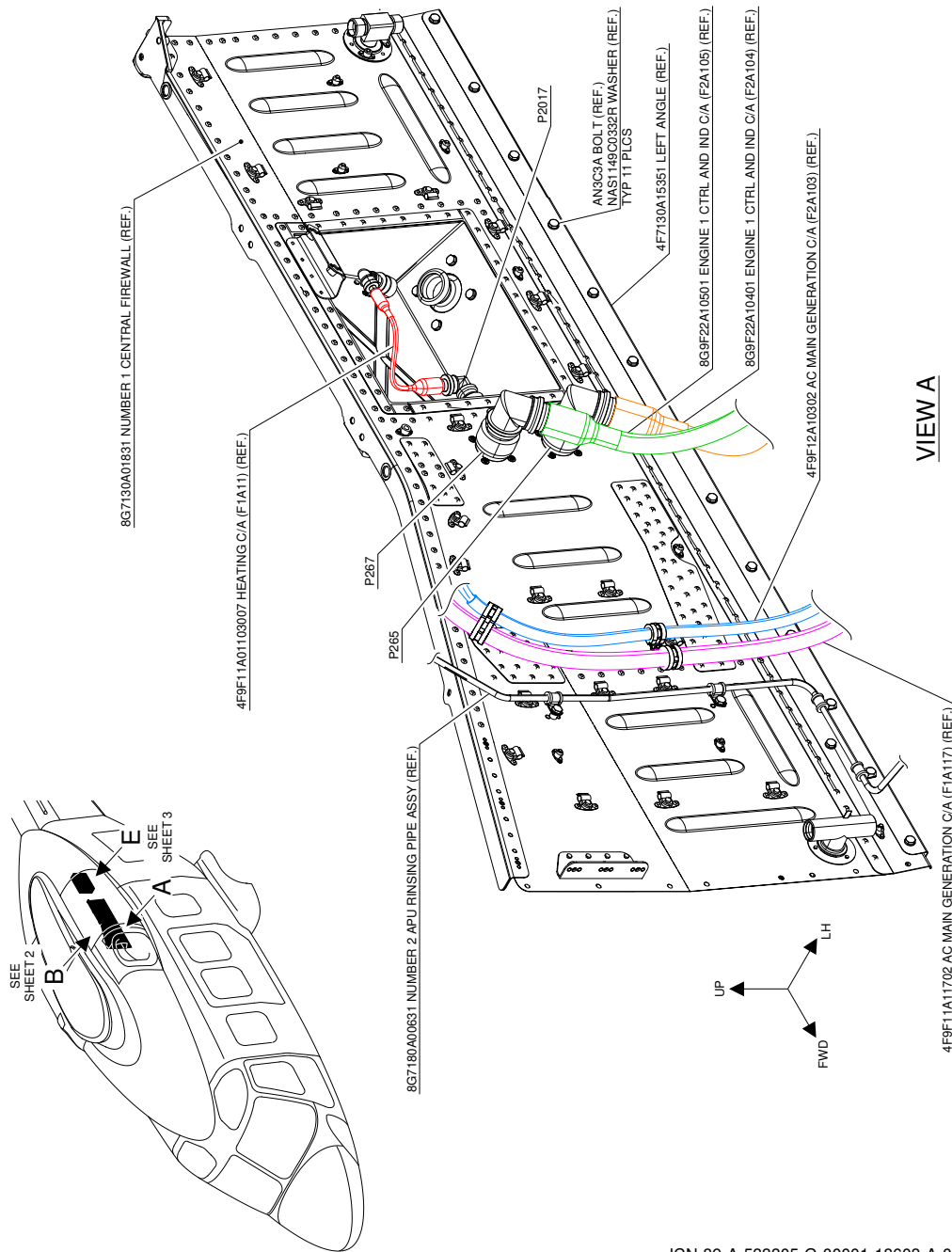
ICN-89-A-533305-G-00001-17090-A-001-01

Figure 7 Auxiliary centre aft shelf



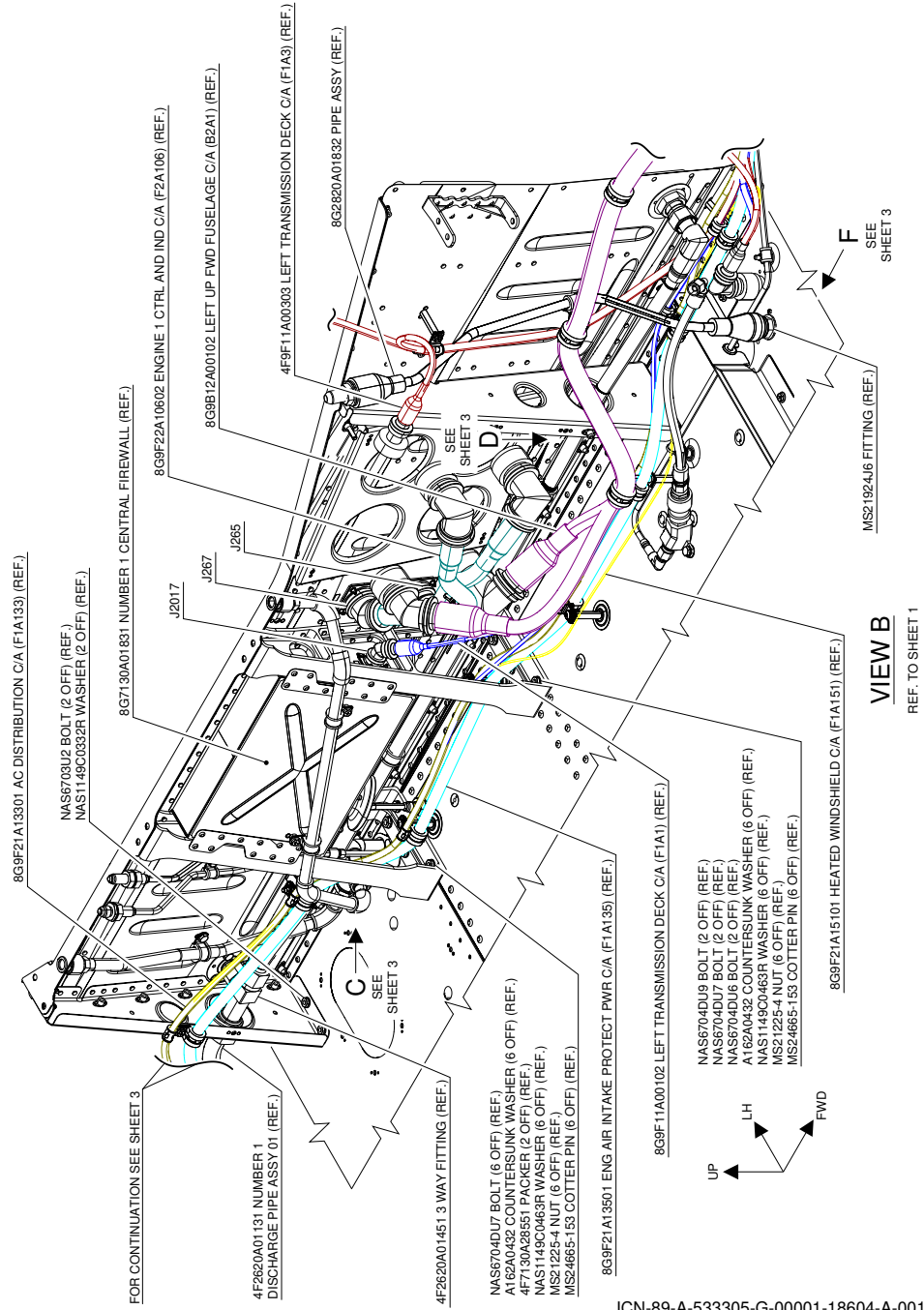
ICN-89-A-533305-G-00001-17099-A-002-01

Figure 8 WL 2470 REAR PANEL ASSY



ICN-89-A-533305-G-00001-18603-A-001-01

Figure 9 (Sheet 1 of 3) Number 1 central firewall



ICN-89-A-533305-G-00001-18604-A-001-01

Figure 9 (Sheet 2 of 3) Number 1 central firewall

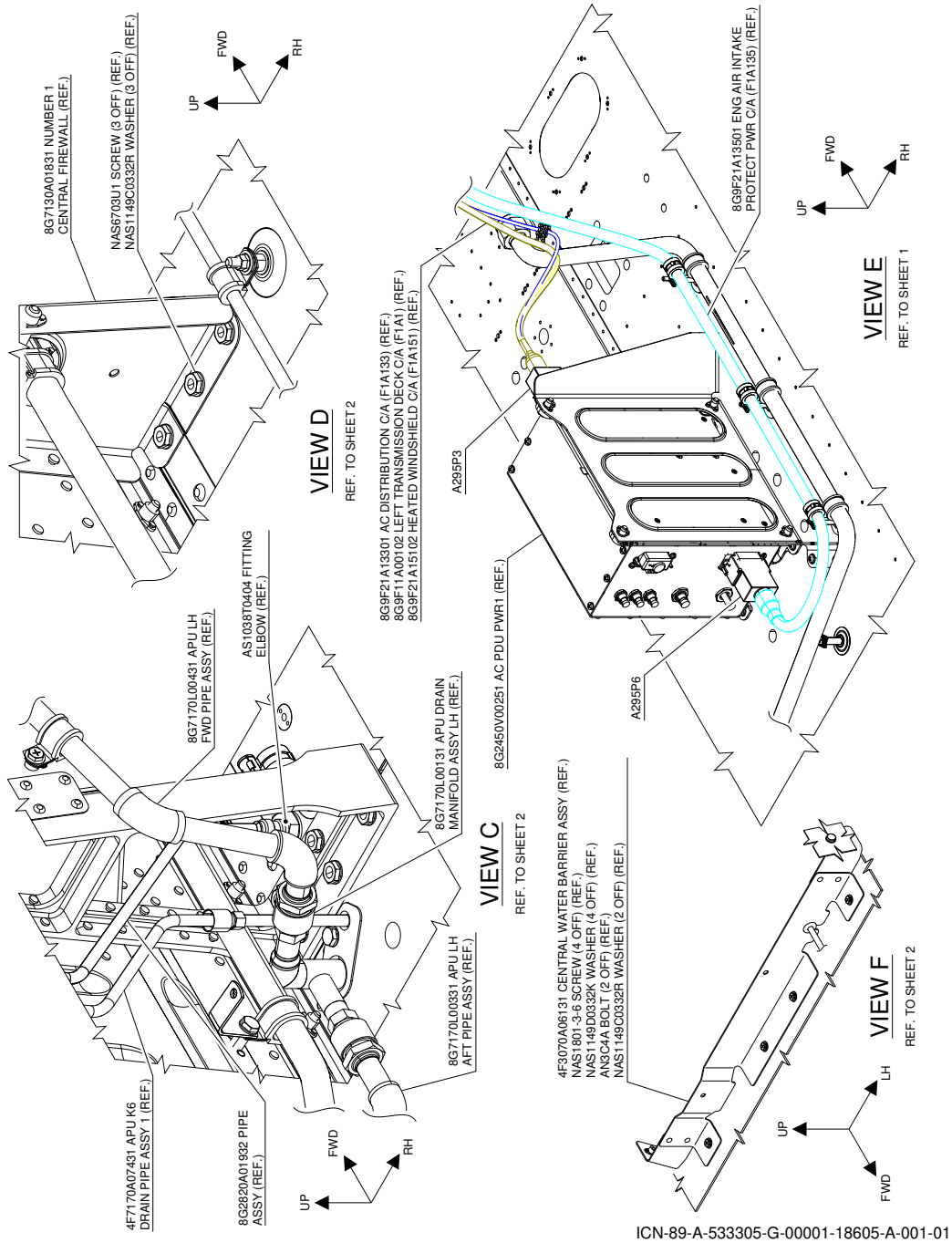
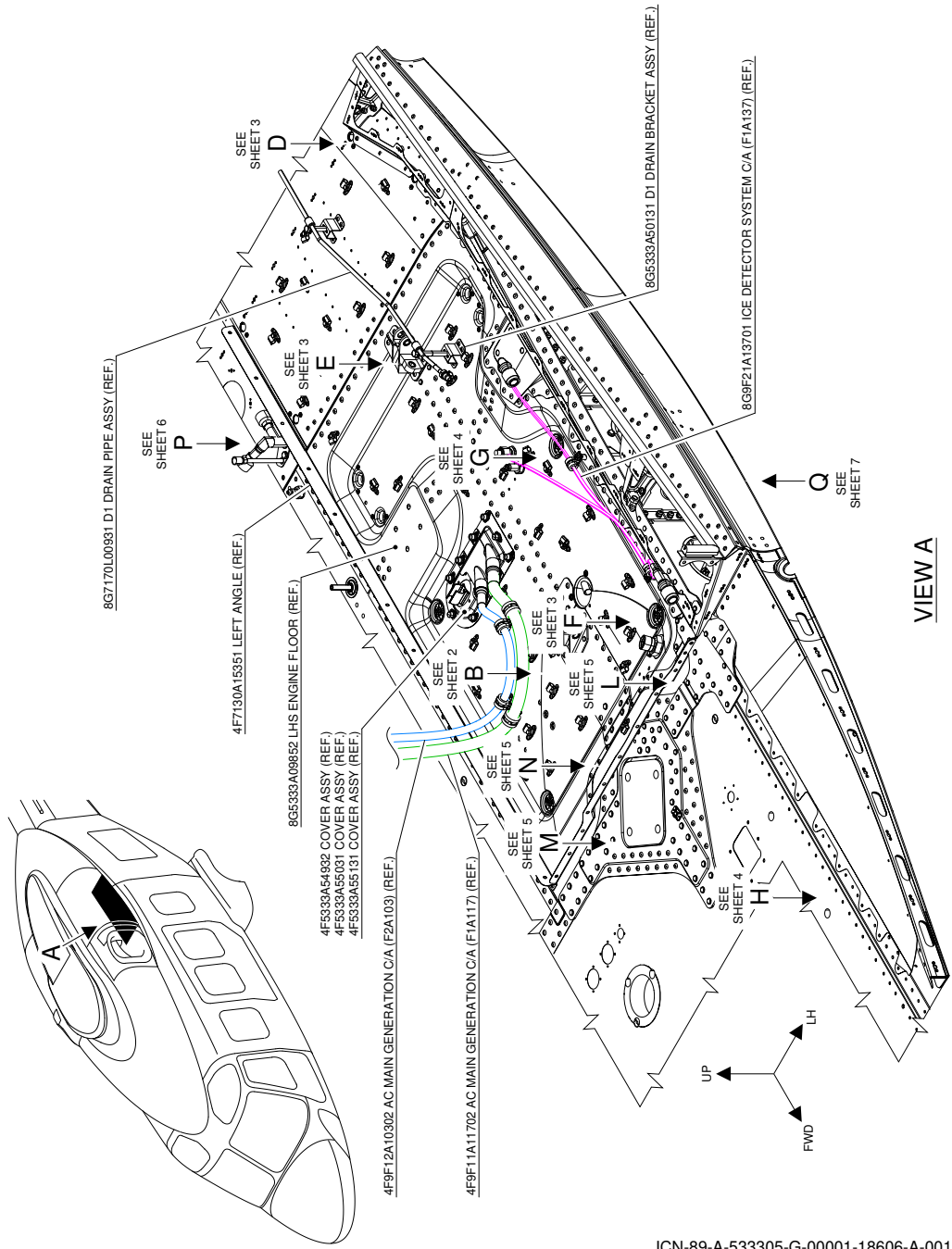
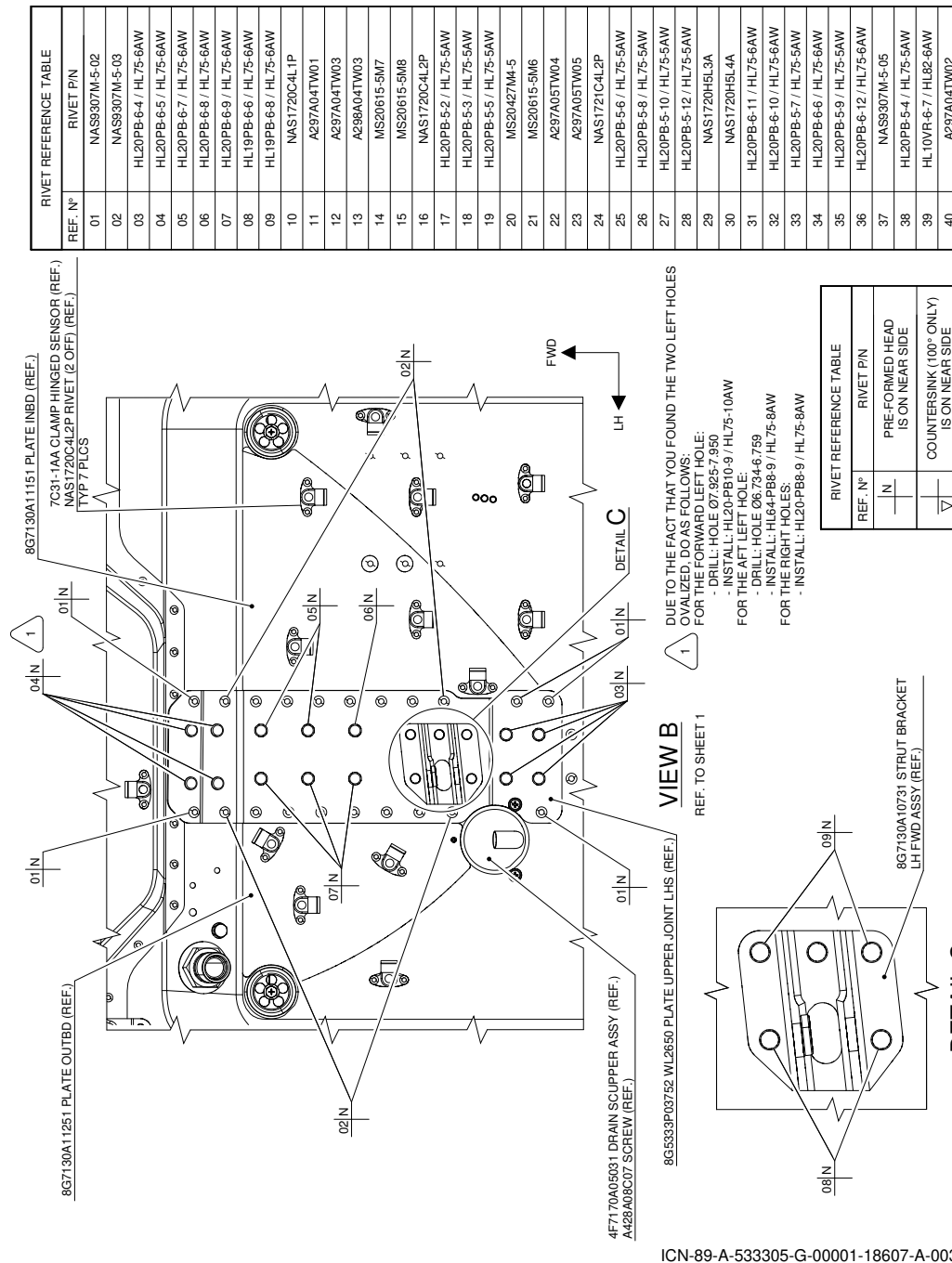


Figure 9 (Sheet 3 of 3) Number 1 central firewall



ICN-89-A-533305-G-00001-18606-A-001-01

Figure 10 (Sheet 1 of 9) LHS engine floor



REF. N°	RIVET P/N
01	NAS8307M-5-02
02	NAS8307M-5-03
03	HL20PB-6-4 / HL75-6AW
04	HL20PB-6-5 / HL75-6AW
05	HL20PB-6-7 / HL75-6AW
06	HL20PB-6-8 / HL75-6AW
07	HL20PB-6-9 / HL75-6AW
08	HL19PB-6-6 / HL75-6AW
09	HL19PB-6-8 / HL75-6AW
10	NAS1720C4L1P
11	A297A04TW01
12	A297A04TW03
13	A298A04TW03
14	MS20615-5M7
15	MS20615-5M8
16	NAS1720C4L2P
17	HL20PB-5-2 / HL75-5AW
18	HL20PB-5-3 / HL75-5AW
19	HL20PB-5-5 / HL75-5AW
20	MS20427M4-5
21	MS20615-5M6
22	A297A05TW04
23	A297A05TW05
24	NAS1721C4L2P
25	HL20PB-5-6 / HL75-5AW
26	HL20PB-5-8 / HL75-5AW
27	HL20PB-5-10 / HL75-5AW
28	HL20PB-5-12 / HL75-5AW
29	NAS1720H5L3A
30	NAS1720H5L4A
31	HL20PB-6-11 / HL75-6AW
32	HL20PB-6-10 / HL75-6AW
33	HL20PB-5-7 / HL75-5AW
34	HL20PB-6-6 / HL75-6AW
35	HL20PB-5-9 / HL75-5AW
36	HL20PB-6-12 / HL75-6AW
37	NAS8307M-5-05
38	HL20PB-5-4 / HL75-5AW
39	HL10VR-6-7 / HL82-6AW
40	A297A04TW02

REF. N°	RIVET P/N
N	PRE-FORMED HEAD IS ON NEAR SIDE
▽	COUNTERSINK (100° ONLY) IS ON NEAR SIDE

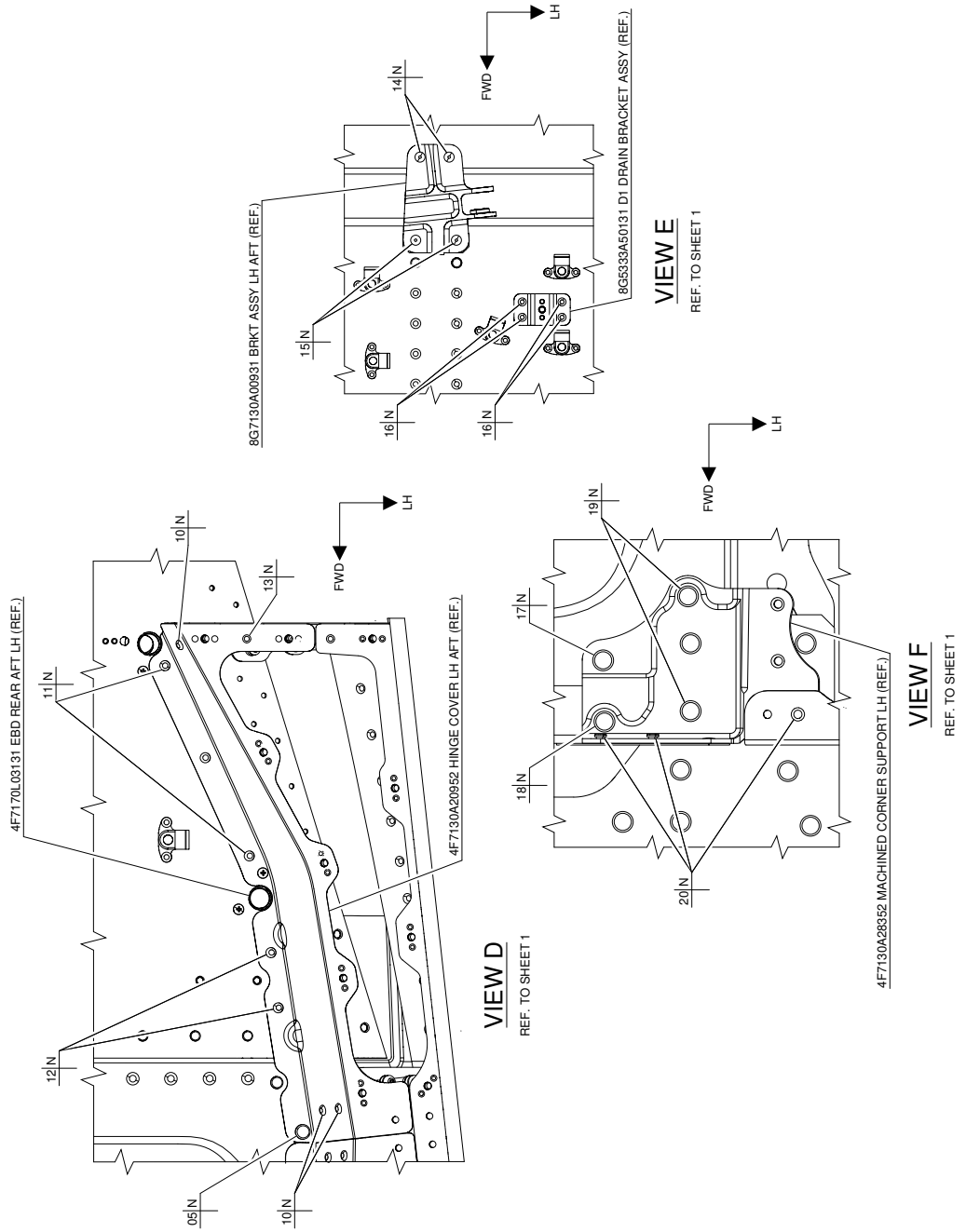
1 DUE TO THE FACT THAT YOU FOUND THE TWO LEFT HOLES OVALIZED, DO AS FOLLOWS:
FOR THE FORWARD LEFT HOLE:
- DRILL: HOLE 07:8257:950
- INSTALL: HL20PB10-9 / HL75-10AW
FOR THE AFT LEFT HOLE:
- DRILL: HOLE 06:7346:759
- INSTALL: HL20PB6-11 / HL75-6AW
FOR THE RIGHT HOLES:
- DRILL: HOLE 08:89 / HL75-8AW
- INSTALL: HL20PB8-9 / HL75-8AW

VIEW B
REF. TO SHEET 1

VIEW C
REF. TO SHEET 1

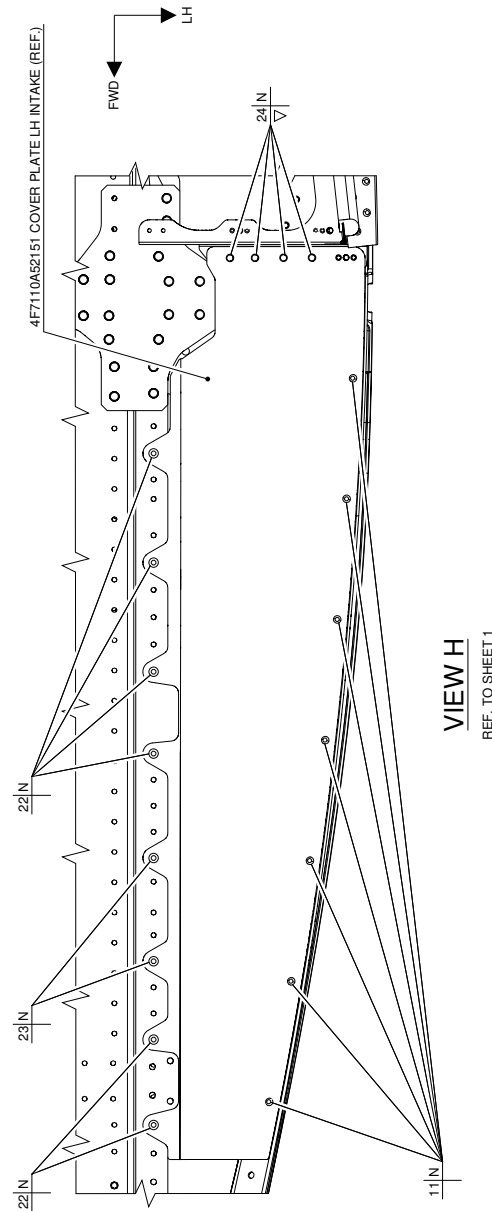
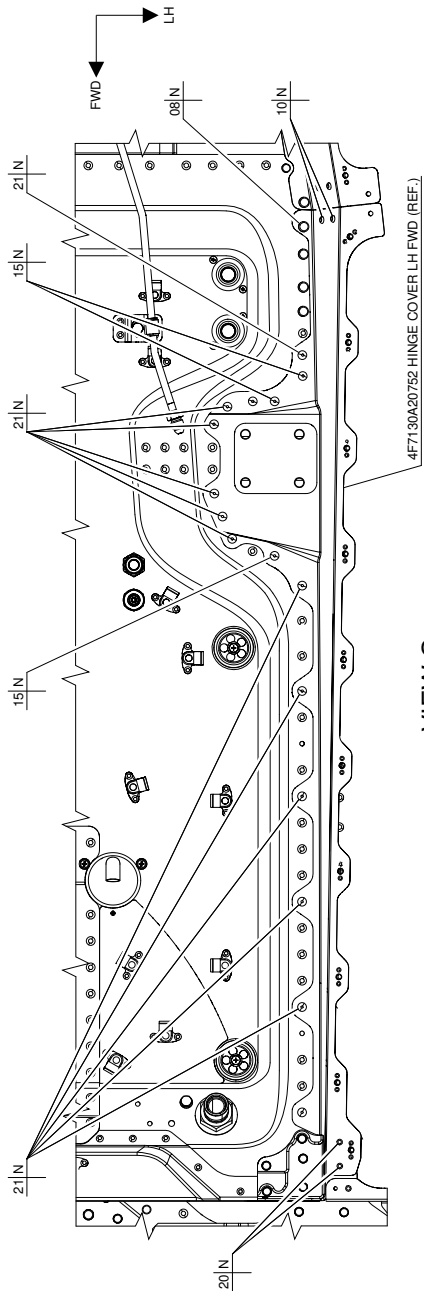
ICN-89-A-533305-G-00001-18607-A-003-01

Figure 10 (Sheet 2 of 9) LHS engine floor



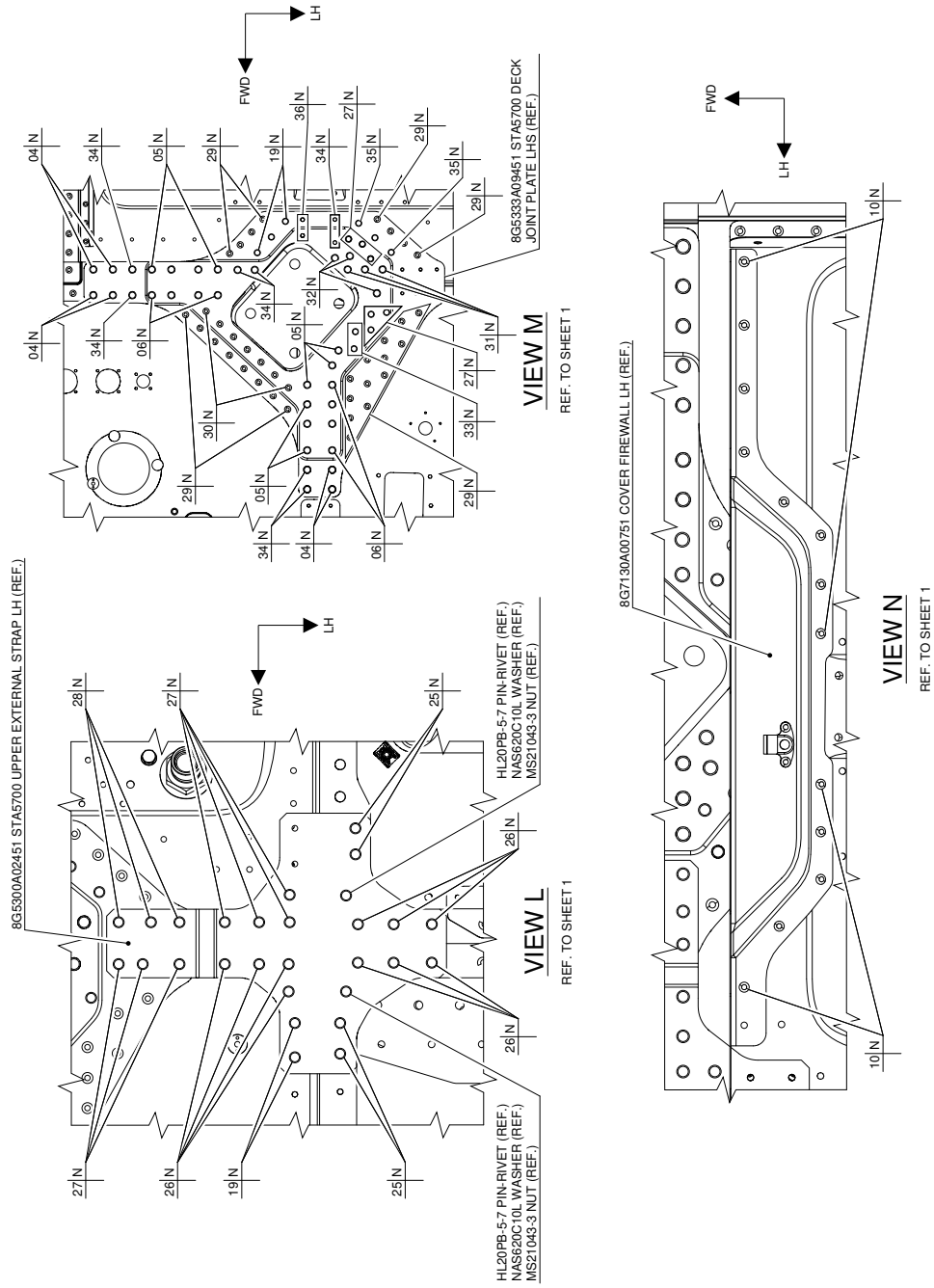
ICN-89-A-533305-G-00001-18608-A-001-01

Figure 10 (Sheet 3 of 9) LHS engine floor



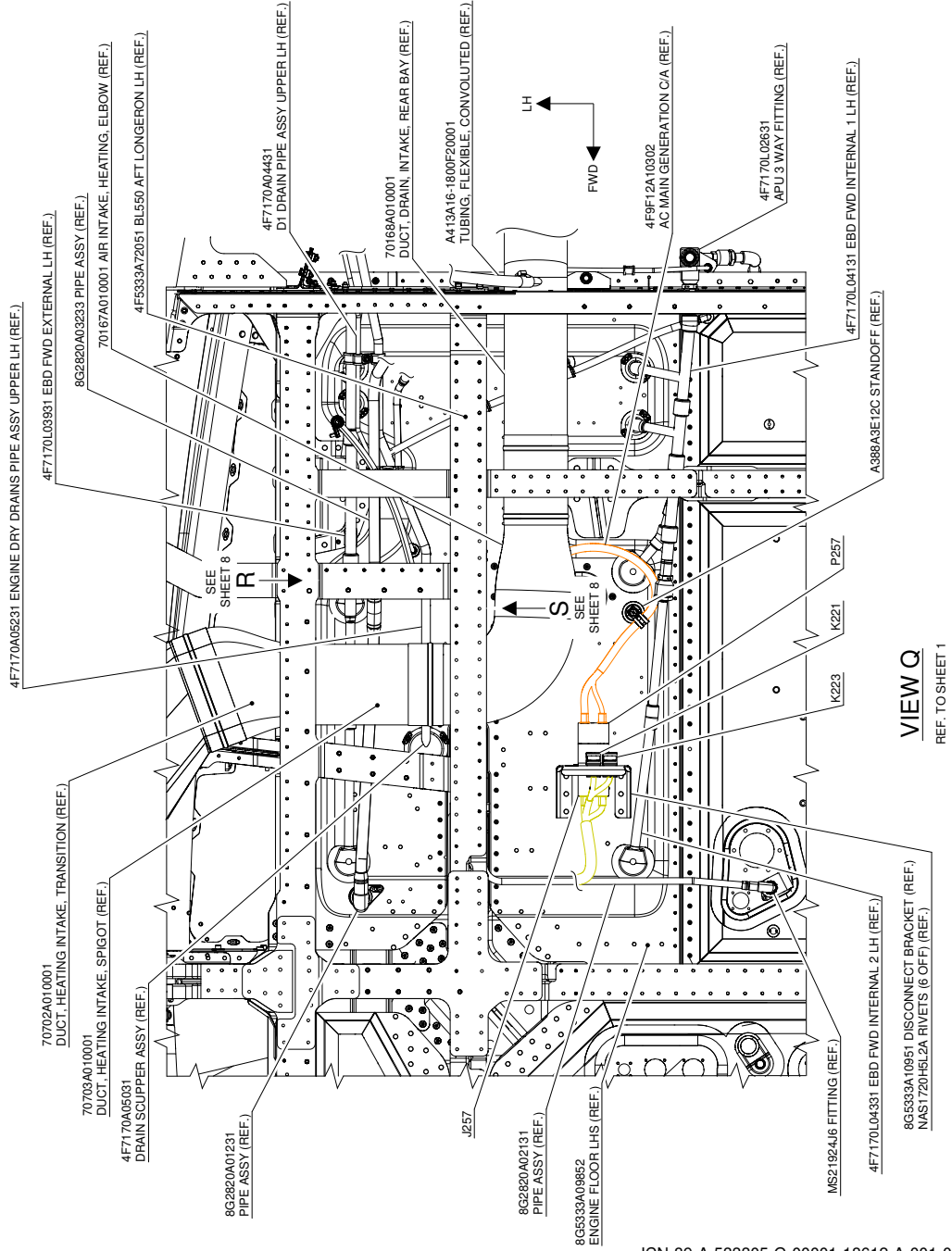
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Figure 10 (Sheet 4 of 9) LHS engine floor



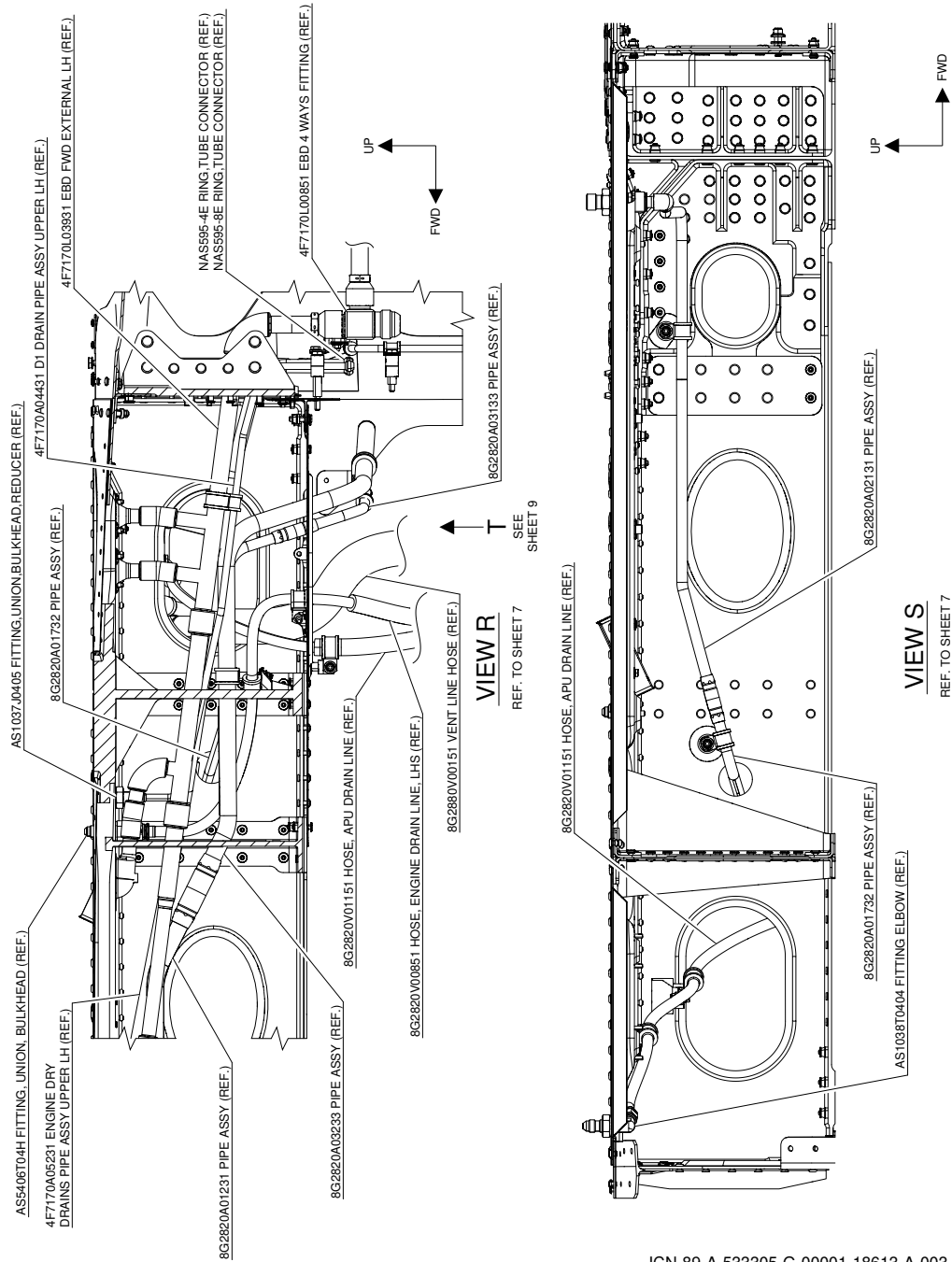
ICN-89-A-533305-G-00001-18610-A-001-01

Figure 10 (Sheet 5 of 9) LHS engine floor



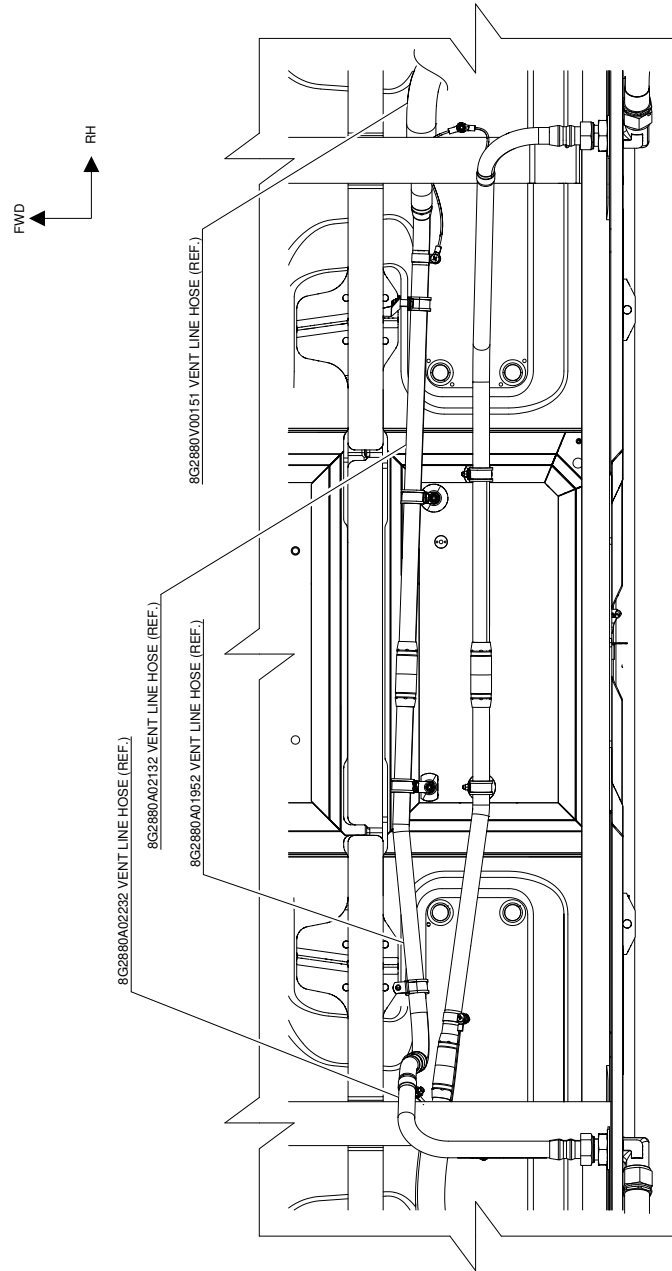
ICN-89-A-533305-G-00001-18612-A-001-01

Figure 10 (Sheet 7 of 9) LHS engine floor



ICN-89-A-533305-G-00001-18613-A-003-01

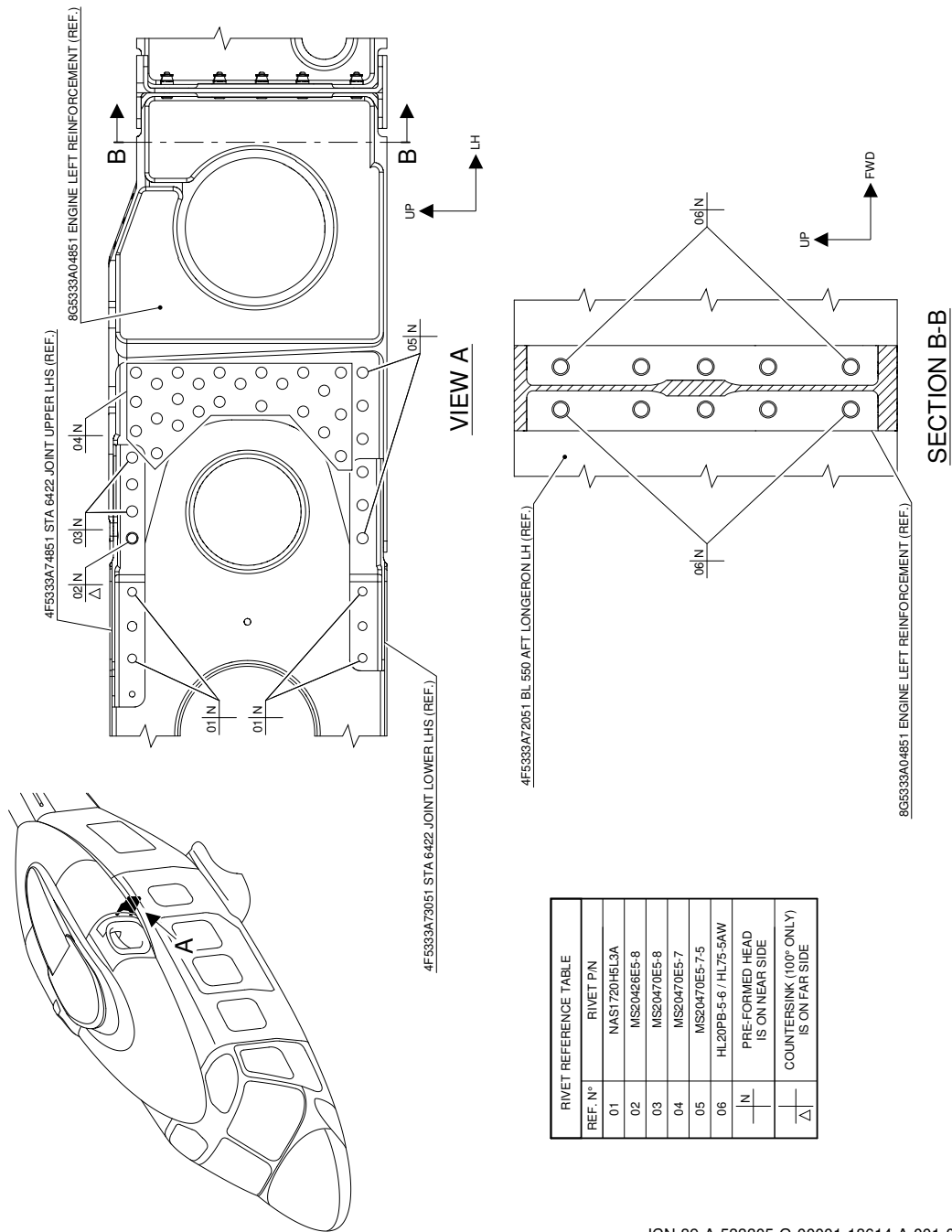
Figure 10 (Sheet 8 of 9) LHS engine floor



VIEW T
REF. TO SHEET 8

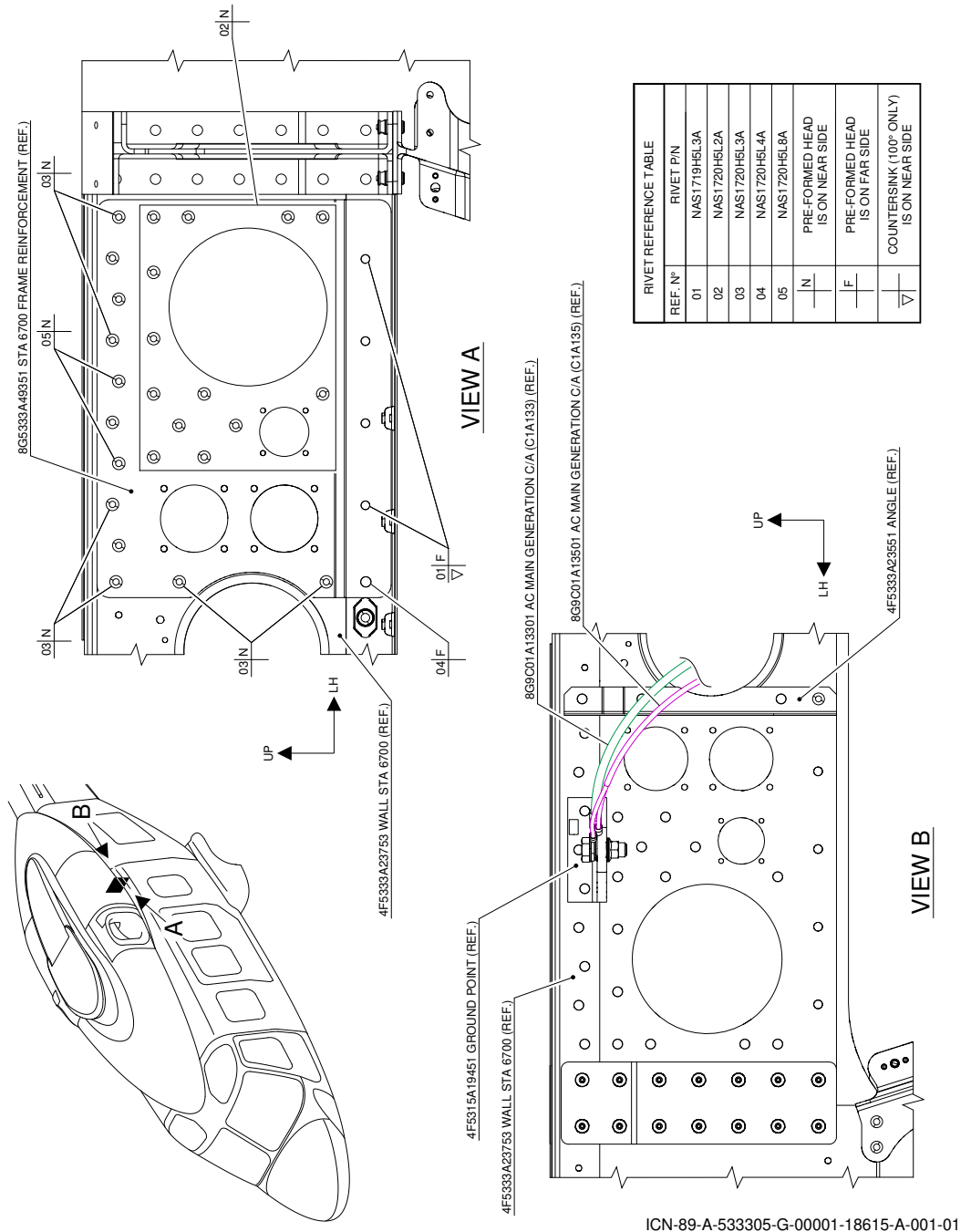
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Figure 10 (Sheet 9 of 9) LHS engine floor



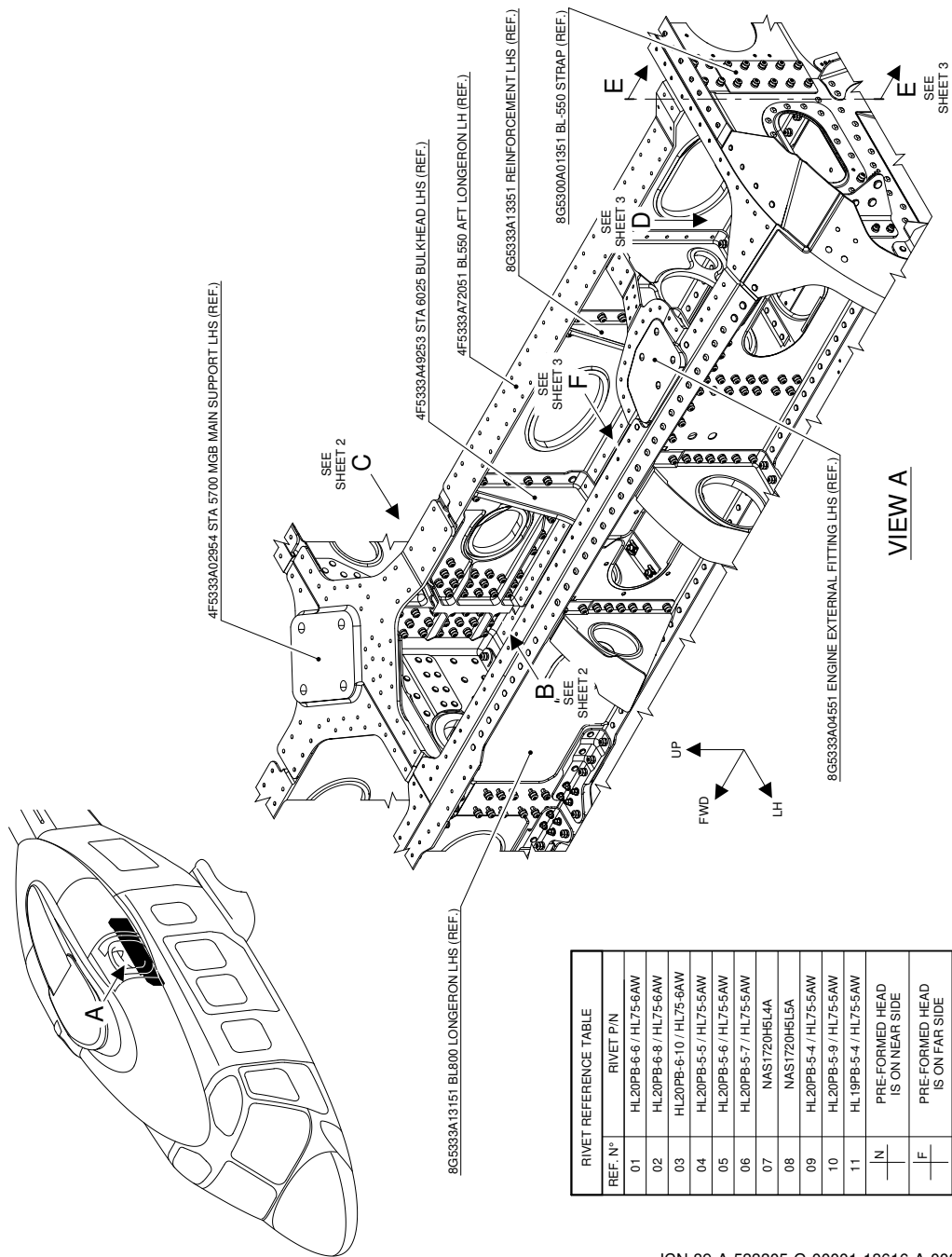
ICN-89-A-533305-G-00001-18614-A-001-01

Figure 11 Engine left reinforcement



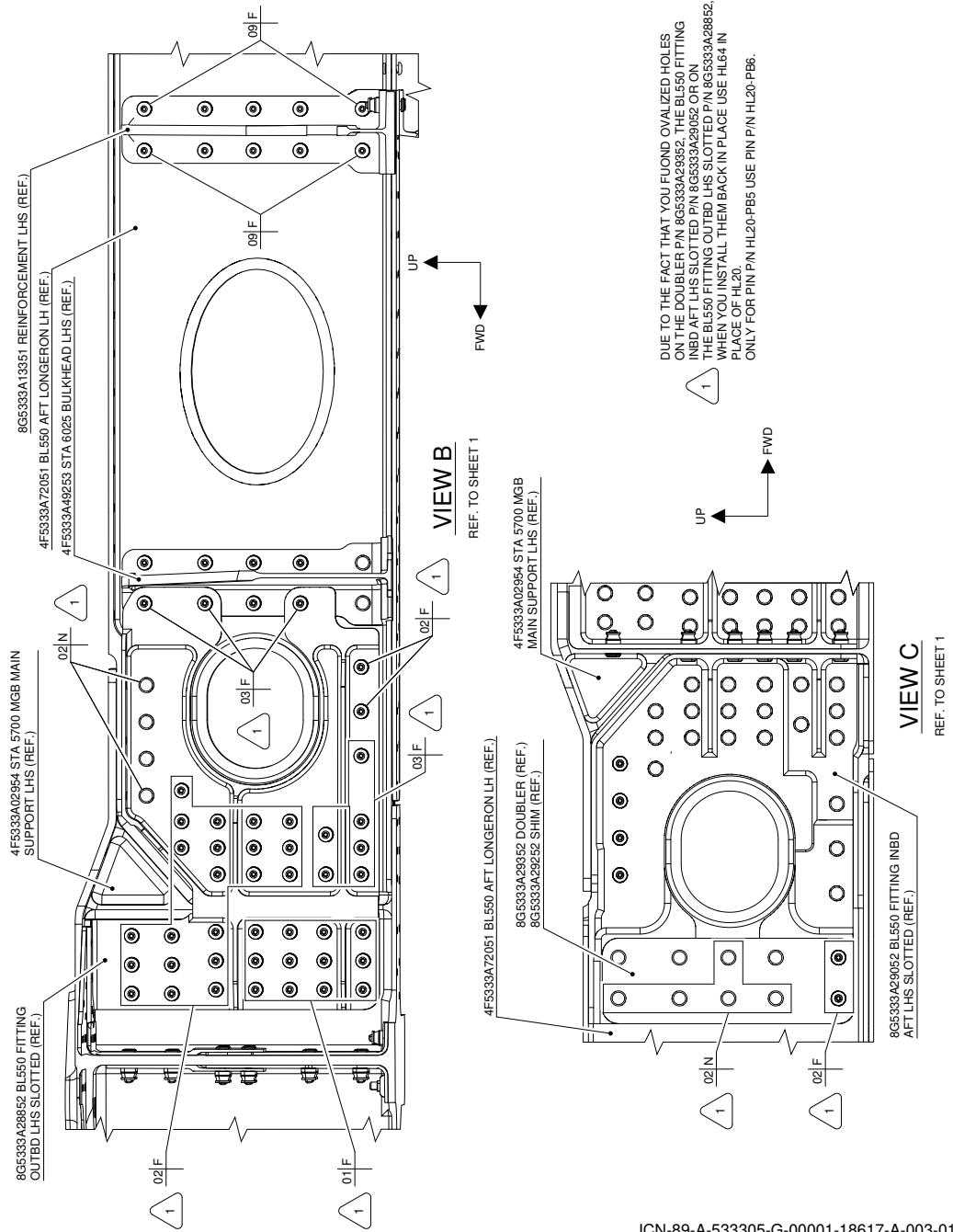
ICN-89-A-533305-G-00001-18615-A-001-01

Figure 12 STA6700 frame reinforcement



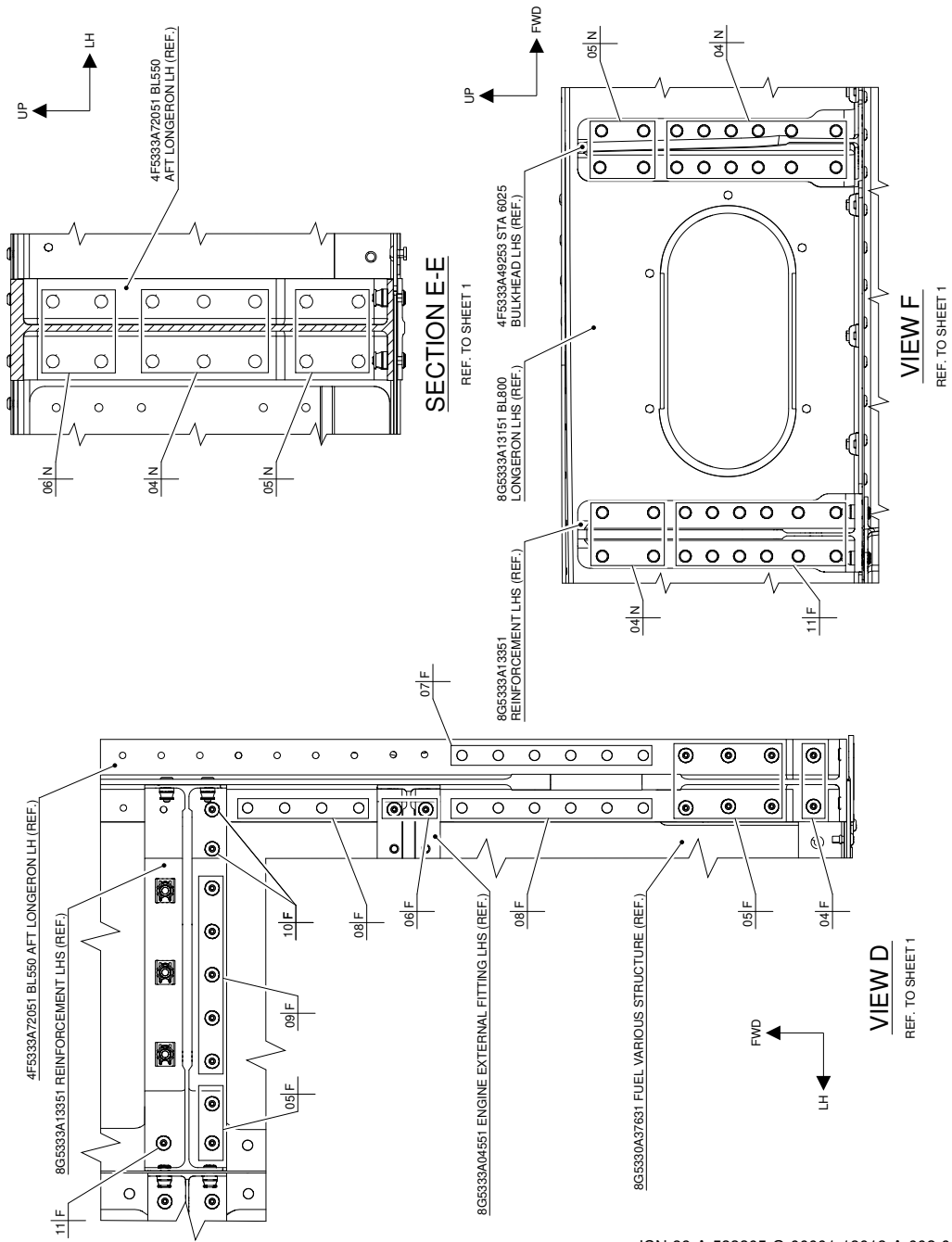
ICN-89-A-533305-G-00001-18616-A-002-01

Figure 13 (Sheet 1 of 3) BL550 aft longeron LH



ICN-89-A-533305-G-00001-18617-A-003-01

Figure 13 (Sheet 2 of 3) BL550 aft longeron LH



ICN-89-A-533305-G-00001-18618-A-002-01

Figure 13 (Sheet 3 of 3) BL550 aft longeron LH

End of Data Module