ROUTING OF TANK 1 WIRE BUNDLES, TANK 2 SIMILAR

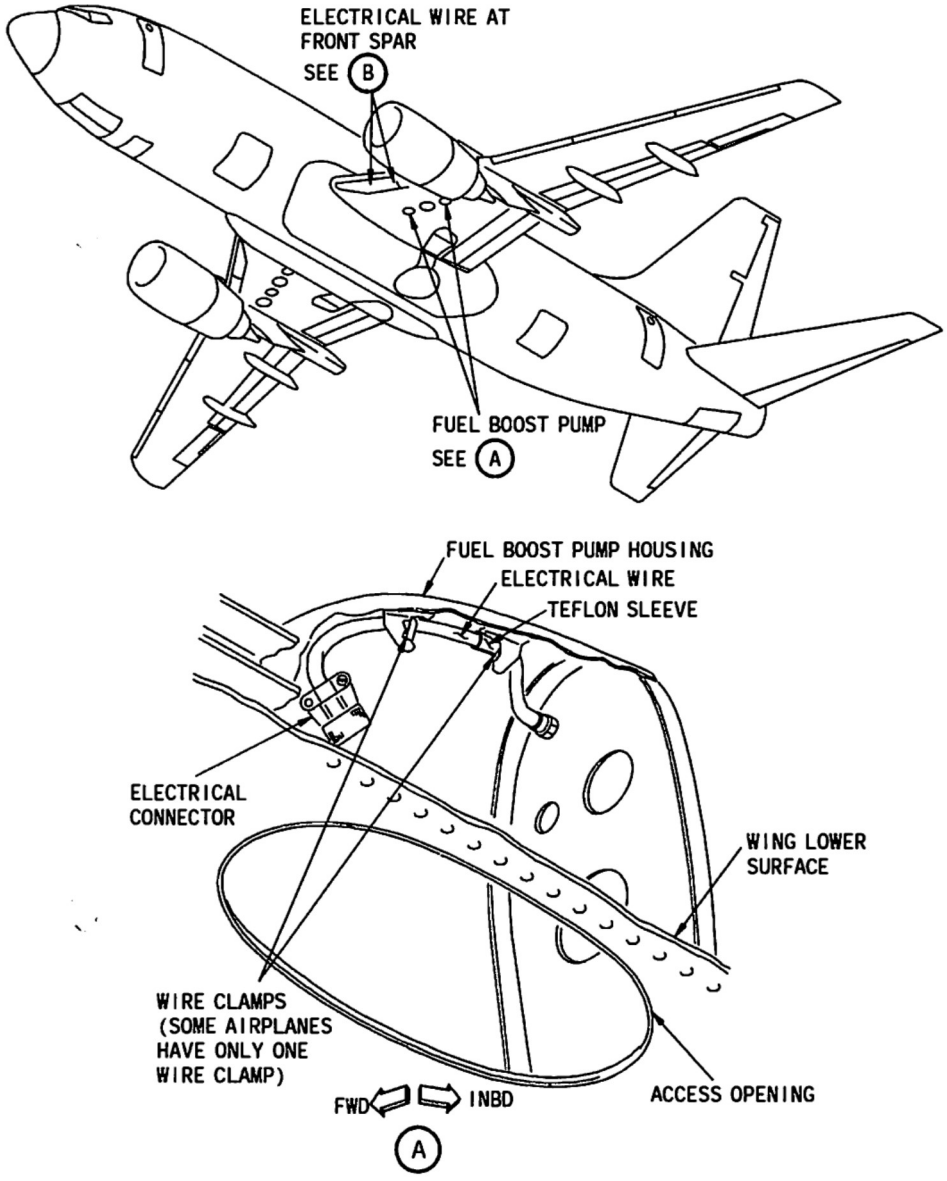


FIGURE 1
(Sheet 1 of 2)

ROUTING OF TANK 1 WIRE BUNDLES, TANK 2 SIMILAR

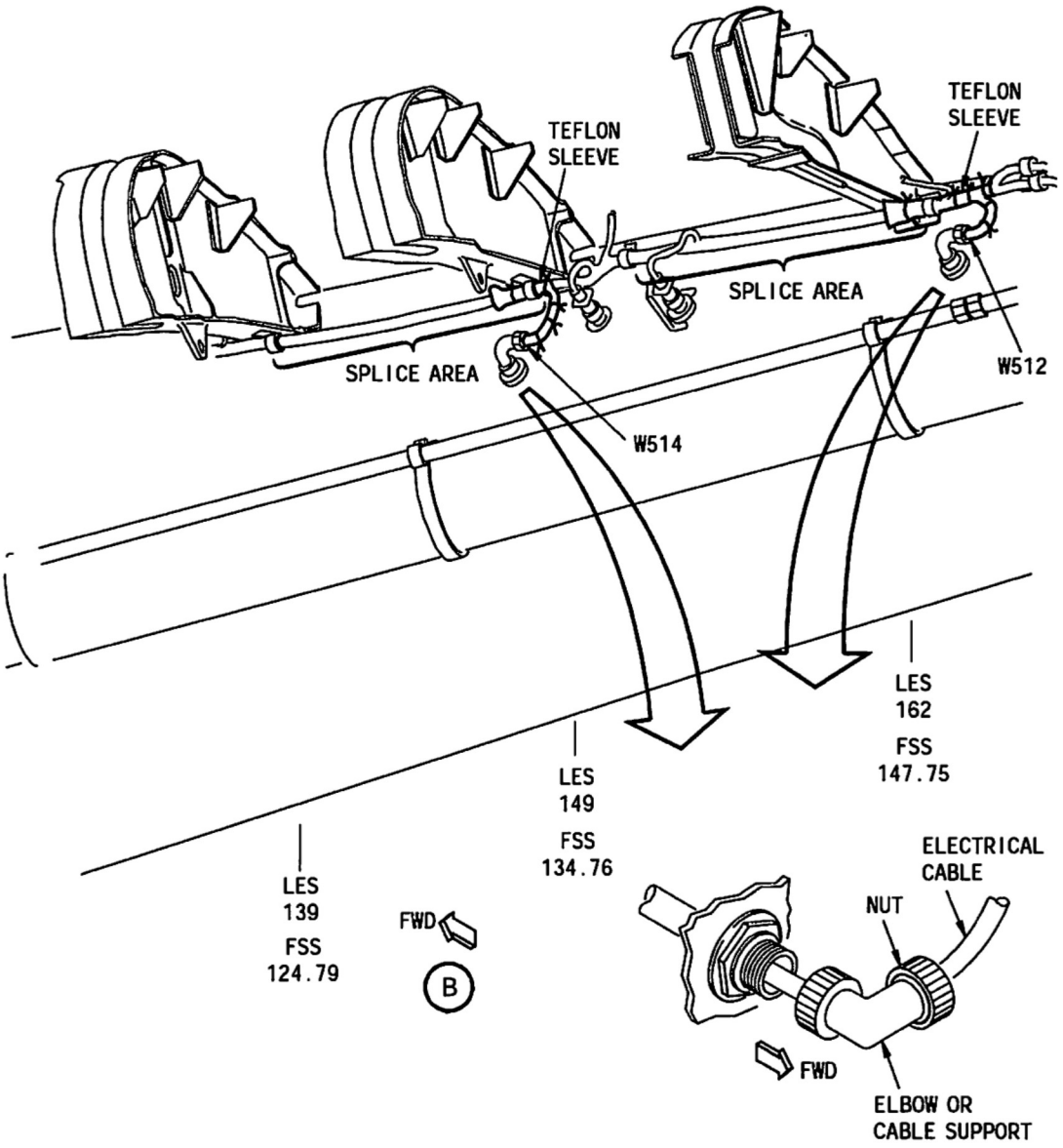


FIGURE 1
(Sheet 2 of 2)

TERMINATION OF ELECTRICAL WIRE - TYPICAL FOR ALL BOOST PUMPS

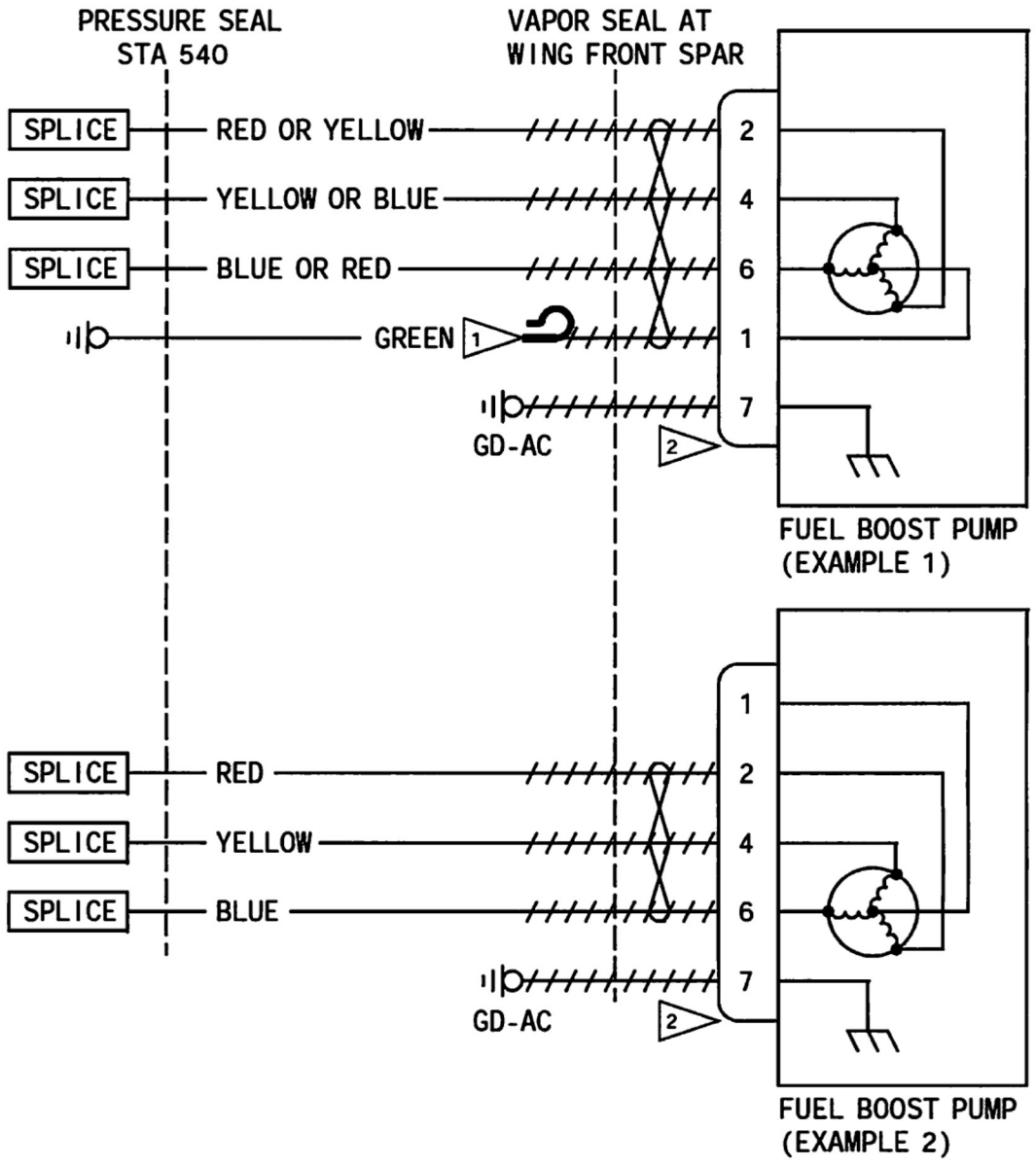
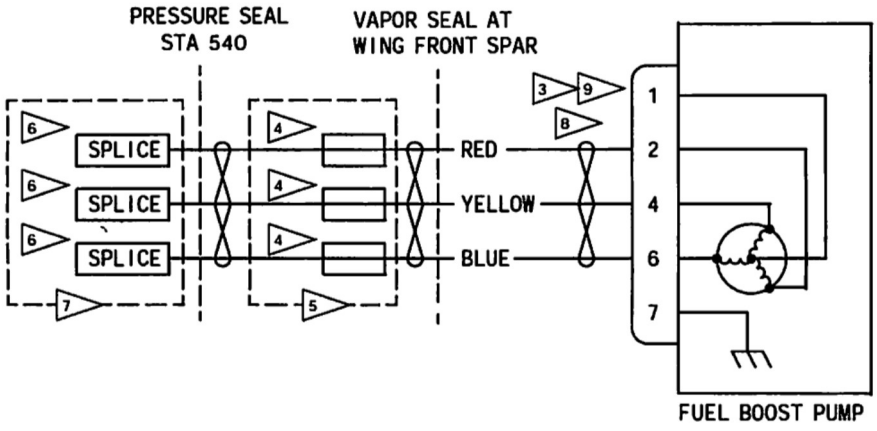


FIGURE 2
(Sheet 1 of 6)

TERMINATION OF ELECTRICAL WIRE - TYPICAL FOR ALL BOOST PUMPS



REFERENCE: WIRE DIAGRAM 28-23-01

//// DELETED WIRE OR FORMER ROUTING

—— EXISTING WIRE

1308736

The flag note numbers shown below agree with the numbers shown in the flag symbols in the figure.

FLAG NOTE	NAME	IDENTIFICATION	QTY	MORE DATA
1	Cap and Stow	Green Wire	1	(a)
	Sleeve	M23053/5-103-4	AR	
	Lacing Tape	BMS 13-54, Grade D, Type III, Class 1, Finish C, Size 75/12 or 110/14, White	AR	
	(a) Remove green wire contact from connector and cut off the contact. Removed from the conduit and elbow and cap and stow along front spar. Refer to SWPM 20-10-11, "Installation of a Flexible Sleeve" and "Wire or Cable in a Parallel Configuration with the End Attached to the Wire Harness", as an accepted procedure.			
2	Seal Plug	MS27488-16-1	AR	In pin 1 and 7 as necessary as given in SWPM 20-60-08.
3	Wire/Cable	61-74486-3 / BMS13-60T09C03G018	AR	Length as given in table 1.
NOTE: The new wire/cable can be spliced at the front spar of the wing or in the fuselage at the production splice. If spliced at the front spar do FLAG NOTES 4, 5, 8 and 9. If spliced in the fuselage do FLAG NOTES 6, 7, 8 and 9.				

FIGURE 2
(Sheet 2 of 6)

TERMINATION OF ELECTRICAL WIRE - TYPICAL FOR ALL BOOST PUMPS

The flag note numbers shown below agree with the numbers shown in the flag symbols in the figure.

FLAG NOTE	NAME	IDENTIFICATION	QTY	MORE DATA
4	**NOTE: Use steps 4 and 5 if spliced at the front spar of the wing. USE SPLICE TYPE 4A, PREFERED, OR SPLICE TYPE 4B,OPTIONAL**			
	SPLICE TYPE 4A, SEALANT, SLEEVE, TIES, PREFERED			
	Sleeve	Make from M23053/5-106-4	1	Length as necessary for Wire/Cable Identification. (j)
	(j) Imprint on the sleeve the information shown in table 2 for the applicable fuel boost pump. Locate near the splice and tie with lacing tape . No Identification sleeve to be in the conduit or under the teflon sleeve. Refer to SWPM 20-10-11 as an accepted procedure.			
	Sleeve	Make from M23053/5-106-4 or M23053/5-107-4	3	Length of 3.9 to 4.1 inch. Smallest diameter that will fit. (b)
	(b) On airplanes with the green wire removed or capped and stowed imprint on the sleeve the following splice identification information. "SM1" on red wire. "SM2" on yellow wire. "SM3" on blue wire. Refer to SWPM 20-10-11, "Repair or Replacement of Wire Harness Identification" as an accepted procedure.			
	Splice	NAS 1387-4	3	As given in SWPM 20-30-12 (c)
	(c) "Sealed Splice Configurations for Unshielded Wires and Unshielded Cables", "One Wire to One Wire - Sealant, Sleeve, Ties".			
	Sealant	BMS 5-95, Type 1, Class B-1/2 or B-2	AR	Or equivalent.
	Lacing Tape	BMS 13-54, Grade D, Type III, Class 1, Finish C, Size 75/12 or 110/14, White	AR	Two places on each splice sleeve as given in SWPM 20-10-11 and 20-30-12.
	SPLICE TYPE 4B, SEALED SPLICE KIT, OPTIONAL			
	Sleeve	Make from M23053/5-106-4	1	Length as necessary for Wire/Cable Identification. (j)
	(j) Imprint on the sleeve the information shown in table 2 for the applicable fuel boost pump. Locate near the splice and tie with lacing tape. No Identification sleeve to be in the conduit or under the teflon sleeve. Refer to SWPM 20-10-11 as an accepted procedure.			
	Splice	D-436-37	3	(d)
	(d) As given in SWPM; 20-00-10 Safety Practices, 20-30-12 One or Two Wire to One or Two Wires - Splice Kit and 20-10-14 Installation of Shrinkable Sleeves			
5	Lacing Tape	BMS 13-54, Grade D, Type III, Class 1, Finish C, Size 75/12 or 110/14, White	AR	Tie the wires to the existing wire bundle as given in SWPM 20-10-11 and 20-30-12.
	Go to flag note 8			

FIGURE 2
(Sheet 3 of 6)

TERMINATION OF ELECTRICAL WIRE - TYPICAL FOR ALL BOOST PUMPS

The flag note numbers shown below agree with the numbers shown in the flag symbols in the figure.

FLAG NOTE	NAME	IDENTIFICATION	QTY	MORE DATA
6	**NOTE: Use steps 6 and 7 if spliced in the fuselage at the production splice. USE SPLICE TYPE 6A, PREFERED, OR SPLICE TYPE 6B, OPTIONAL**			
	SPLICE TYPE 6A, TAPE, TIES, PREFERED			
	Sleeve	Make from M23053/5-106-4	1	Length as necessary for Wire/Cable identification (k)
	(k) Imprint on the sleeve the information shown in table 2 for the applicable fuel boost pump. Install near the splice and at 72 inch intervals from the splice to the teflon sleeve on the wing front spar and tie with lacing tape. No identification sleeves in the conduit or under the teflon sleeve. Refer to SWPM 20-10-11 as an accepted procedure.			
	Sleeve	Make from M23053/5-106-4 or M23053/5-107-4	3	Length of 3.9 to 4.1 inch. Smallest diameter that will fit.
	Splice	NAS 1387-4	3	As given in SWPM 20-30-12 (e)
	(e) "Sealed Splice Configurations for Unshielded Wires and Unshielded Cables", "One Wire to One Wire - Tape, Ties".			
	Lacing Tape	BMS 13-54, Grade D, Type III, Class 1, Finish C, Size 75/12 or 110/14, White	AR	Two places on each splice as given in SWPM 20-10-11 and 20-30-12.
	SPLICE TYPE 6B, SEALED SPLICE KIT, OPTIONAL			
	Sleeve	Make from M23053/5-106-4	1	Length as necessary for Wire/Cable identification. (k)
	(k) Imprint on the sleeve the information shown in table 2 for the applicable fuel boost pump. Install near the splice and at 72 inch intervals from the splice to the teflon sleeve on the wing front spar and tie with lacing tape. No identification sleeves in the conduit or under the teflon sleeve. Refer to SWPM 20-10-11 as an accepted procedure.			
	Splice	D-436-37	3	(d)
	(d) As given in SWPM; 20-00-10 Safety Practices, 20-30-12 One or Two Wire to One or Two Wires - Splice Kit and 20-10-14 Installation of Shrinkable Sleeves			
7	Lacing Tape	BMS 13-54, Grade D, Type III, Class 1, Finish C, Size 75/12 or 110/14, White	AR	Tie to the existing wire bundle as given in SWPM 20-10-11 and 20-30-12.
8	Sleeve	M23053/5-106-4	AR	Wire/Cable Identification. (g)
	(g) Imprint on the sleeve the information shown in table 2 for the applicable fuel boost pump. Install on the wire/cable near the connector and tie with lacing tape. Refer to SWPM 20-10-11 as an accepted procedure.			

FIGURE 2
(Sheet 4 of 6)

TERMINATION OF ELECTRICAL WIRE - TYPICAL FOR ALL BOOST PUMPS

The flag note numbers shown below agree with the numbers shown in the flag symbols in the figure.

FLAG NOTE	NAME	IDENTIFICATION	QTY	MORE DATA
9	Sleeve	Make from M23053/5-108-4	1	Length of 3.00 inch for connector Identification. (h)
	(h) Imprint on the sleeve the information shown in table 3 for the applicable fuel boost pump and tie to wire/cable with lacing tape. Refer to SWPM 20-10-11 as an accepted procedure.			
	Contact, socket	BACC47CP2T	3	Assemble as given in SWPM 20-61-11.
	Seal Plug	MS27488-16-1	AR	Into pin 1 and/or pin 7 as necessary as given in SWPM 20-60-08 and 20-61-11.
	Thread Locking Compound	Locktite #222	AR	Or equivalent. Re-assemble backshell to connector as given in SWPM 20-60-09
	Backshell (kept)	MS27291-3 or BACC10GH14	1	Part of connector, install on connector and over wire as given in SWPM 20-60-09.
	Adhesive Tape	3M Scotch 63	AR	1/2 inch wide, or equivalent, resistant to BMS 3-11. Use to wrap wires under cable clamp backshell as given in SWPM 20-60-09.
	Lacing Tape	BMS 13-54, Grade D, Type III, Class 1, Finish C, Size 75/12 or 110/14, White	AR	Refer to SWPM 20-60-09, Backshell Assembly - Single Leg Strain Relief and Backshell Assembly with a wire harness tie, as an accepted procedure.
	Lockwire	MS20995NC20	AR	Or equivalent. Refer to SWPM 20-60-07, as an accepted procedure. Install as necessary.

TABLE 1 - APPLICABLE WIRE BUNDLE INFORMATION

Fuel Boost Pump	Wire Numbers	Connector	Length
M46 Tank-1 Aft	W512-301-18R, 303-18Y, 302-18B	D00070	(a)
M234 Center Tank Left	W514-301-18R, 303-18Y, 302-18B	D00802	(b)
M235 Center Tank Right	W516-301-18R, 303-18Y, 302-18B	D00804	(c)
M48 Tank-2 Aft	W520-301-18R, 303-18Y, 302-18B	D00074	(d)
(a) 264 inches to splice in fuselage or 168 inches to splice at front spar.			
(b) 288 inches to splice in fuselage or 180 inches to splice at front spar.			
(c) 240 inches to splice in fuselage or 180 inches to splice at front spar.			
(d) 252 inches to splice in fuselage or 168 inches to splice at front spar.			

TABLE 2 - WIRE IDENTIFICATION INFORMATION

Fuel Boost Pump	Imprint on Sleeve
M46 Tank-1 Aft	W512-301R,2B,3Y-18 SB 737-28A1263
M234 Center Tank Left	W514-301R,2B,3Y-18 SB 737-28A1263
M235 Center Tank Right	W516-301R,2B,3Y-18 SB 737-28A1263
M48 Tank-2 Aft	W520-301R,2B,3Y-18 SB 737-28A1263

FIGURE 2
(Sheet 5 of 6)

TERMINATION OF ELECTRICAL WIRE - TYPICAL FOR ALL BOOST PUMPS

TABLE 3 - CONNECTOR IDENTIFICATION INFORMATION

Fuel Boost Pump	Imprint on Sleeve
M46 Tank-1 Aft	D00070 M/W M00046 PUMP NO. 1 AFT FUEL BOOST
M234 Center Tank Left	D00802 M/W M00234 L CTR BOOST PUMP
M235 Center Tank Right	D00804 M/W M00235 R CTR BOOST PUMP
M48 Tank-2 Aft	D00074 M/W M00048 PUMP NO. 2 AFT FUEL BOOST

FIGURE 2
(Sheet 1 of 6)

CONDUIT REPLACEMENT - TYPICAL FOR ALL FOUR BOOST PUMPS

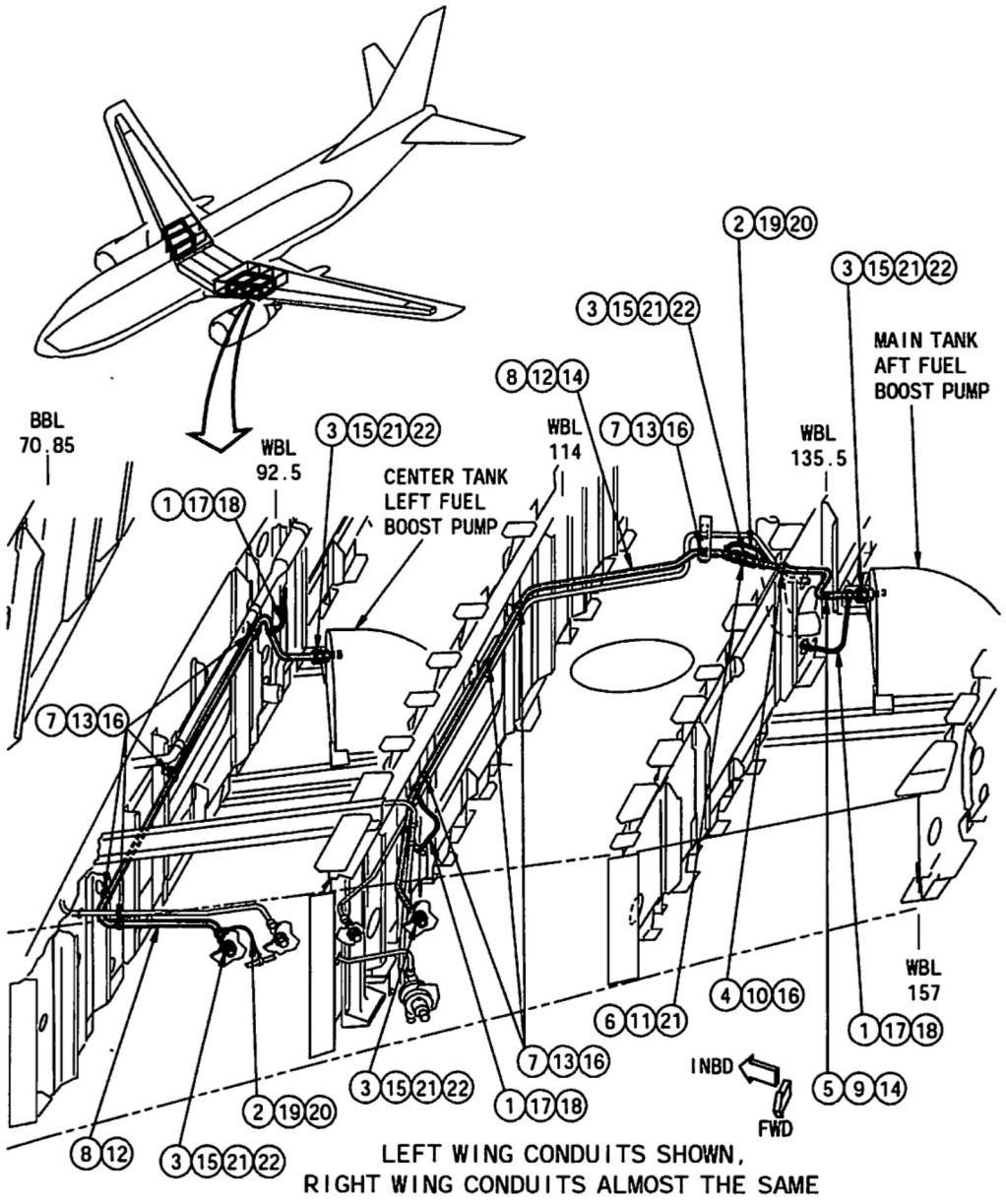


FIGURE 3
(Sheet 1 of 3)