ALERT

Number: **737-30A1063**
Original Issue: November 16, 2011
ATA System: 3000

SUBJECT: ICE AND RAIN PROTECTION - PITOT AND STATIC - Air Data Probe Anti-Icing System - Air Data Probe Heat Automation Installation

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Summary

SUBJECT: ICE AND RAIN PROTECTION - PITOT AND STATIC - Air Data Probe Anti-Icing System - Air Data Probe Heat Automation Installation

THIS BULLETIN IS SENT TO THE OPERATORS OF RECORD OF THE AIRPLANES SHOWN IN PARAGRAPH 1.A., EFFECTIVITY. IF AN AIRPLANE HAS BEEN LEASED OR SOLD, SEND THIS SERVICE BULLETIN TO THE NEW OPERATOR. IF APPLICABLE SPARES HAVE BEEN SOLD, SEND THIS SERVICE BULLETIN TO THE NEW OWNER.

CONCURRENT REQUIREMENTS

Refer to Paragraph 1.B., Concurrent Requirements.

BACKGROUND

This service bulletin provides the instructions and the kits to change the anti-icing system for the angle of attack sensor, the total air temperature, and the pitot probes. The changes to the system will let the anti-icing system automatically supply power to heat the probes. The anti-icing system will automatically come on (AUTO) after engine start if the crew does not activate the system. If this service bulletin is not accomplished, the air data sensors could be unheated which could let ice form on the sensors, and cause erroneous air data. Unreliable air data can lead to loss of crew situational awareness which could cause failure to maintain safe flight and landing of the airplane.

Boeing has received reports that the Pilot Heat switch is not always set to ON.

Fleet Team Digest, 737NG-FTD-30-08002, is related to this service bulletin.

Boeing Service Related Problem, (SRP) 737NG-SRP-30-0032, is related to this service bulletin.

ACTION (PRR 38275-160S)

Get access to the flight compartment at the P5 overhead panel. Change wires and replace the P5-9 window/pitot heat module. At the P18 circuit breaker panel, replace two circuit breakers, install relay supports, relays, decals and change the wiring.

Get access to the electrical/electronics compartment. At the E2-2 electronics shelf, change wiring. At the E3-1 electronics shelf, change the wiring.

Do an operational test of the anti-icing system for the air data probes.

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EFFECTIVITY

Refer to Paragraph 1.A.1., Airplanes for the list of affected airplanes.

COMPLIANCE

The Federal Aviation Administration (FAA) will possibly release an Airworthiness Directive related to this service bulletin. The Airworthiness Directive will make the compliance tasks and times given in this service bulletin mandatory.

Boeing recommends that the change given in this service bulletin be done within 24 months from the original issue date of this service bulletin.

INDUSTRY SUPPORT INFORMATION

Boeing warranty remedies are not available for the configuration changes given in this service bulletin.

MANPOWER

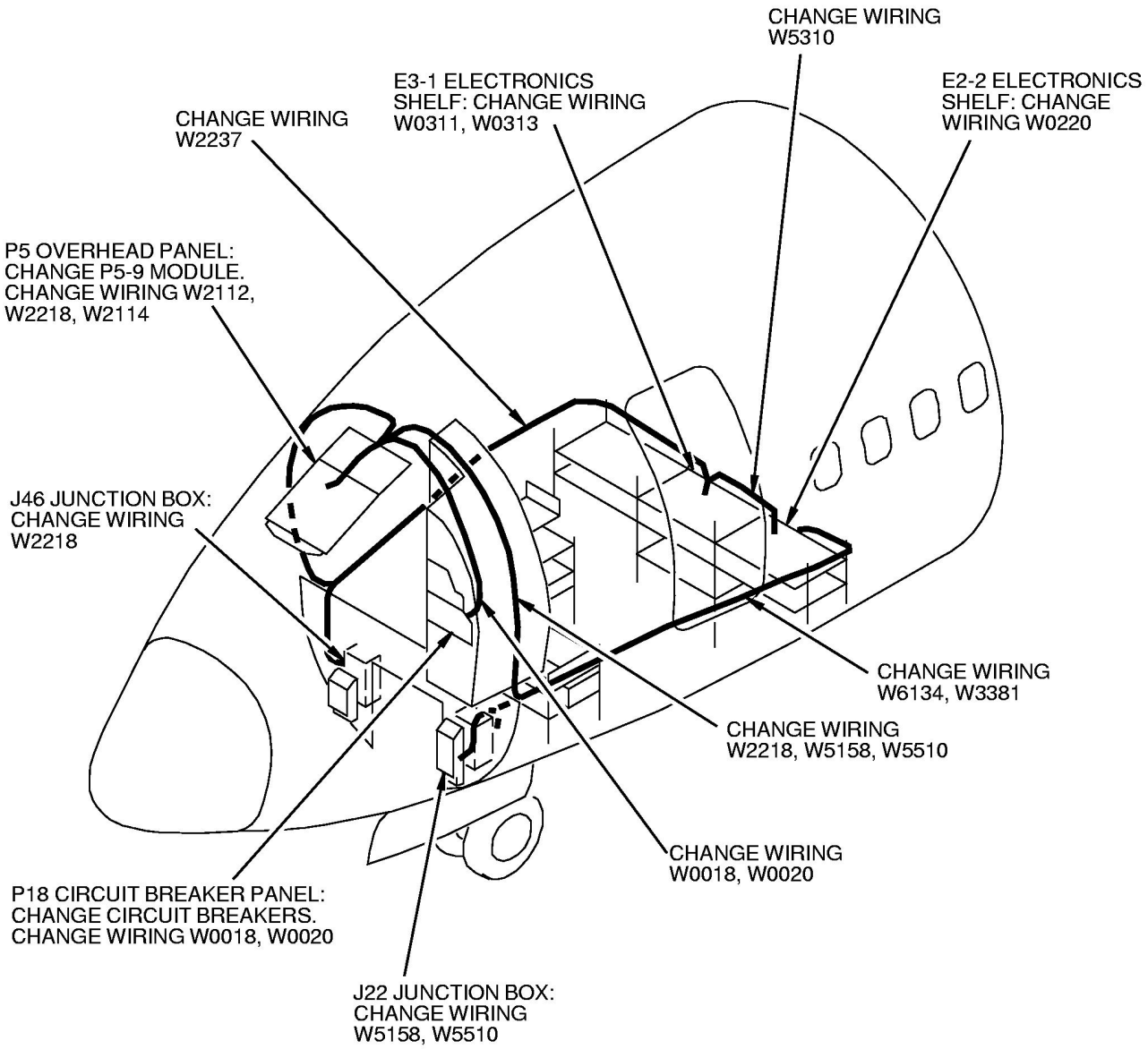
Airplanes	Total Task Hours	Elapsed Hours
Each Airplane in Group 1	68.05	41.40
Each Airplane in Group 2	67.45	41.10
Each Airplane in Group 3	68.10	41.45
Each Airplane in Group 4	67.50	41.15
Each Airplane in Group 5	60.10	37.35
Each Airplane in Group 6	67.80	41.15
Each Airplane in Group 7	67.20	40.85
Each Airplane in Group 8	70.95	44.30
Each Airplane in Group 9	60.05	37.30
Each Airplane in Group 10	78.85	46.80
Each Airplane in Group 11	59.80	37.05
Each Airplane in Group 12	62.05	38.30
Each Airplane in Group 13	67.60	40.95
Each Airplane in Group 14	78.60	46.55

MATERIAL INFORMATION

Boeing Supplied Kits/Parts.

Refer to Paragraph 2.A., Material - Price and Availability.

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1. PLANNING INFORMATION

A. Effectivity

1. Airplanes

This service bulletin is for the airplanes shown below. An equivalent change is on subsequent production airplanes. Refer to PRR 38275-160S for data about this change.

Refer to Service Bulletin Index Document D6-19567 Part 3 for Airplane Variable Number, Line Number, and Serial Number data.

GROUP	CONFIGURATION	DESCRIPTION
1	-	Airplanes with different wiring configuration.
2	-	Airplanes with different wiring configuration.
3	-	Airplanes with different wiring configuration.
4	-	Airplanes with different wiring configuration.
5	-	Airplanes with different wiring configuration.
6	-	Airplanes with different wiring configuration.
7	-	Airplanes with different wiring configuration.
8	-	Airplanes with different wiring configuration.
9	-	Airplanes with different wiring configuration.

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GROUP	CONFIGURATION	DESCRIPTION
10	-	Airplanes with different wiring configuration.
11	-	Airplanes with different wiring configuration.
12	-	Airplanes with different wiring configuration.
13	-	Airplanes with different wiring configuration.
14	-	Airplanes with different wiring configuration.

Airplane Models:

737-600, 737-700, 737-700C, 737-800, 737-900, 737-900ER

Variable Number	Group
YA001 - YA099	2
YA101 - YA199	2
YA201 - YA211	1
YA221	1
YA231 - YA242	1
YA251 - YA256	2
YA271 - YA272	2
YA291	1
YA301 - YA302	1
YA311 - YA314	1
YA321 - YA323	1
YA336 - YA345	1
YA351	1
YA356 - YA357	1
YA366 - YA367	1
YA371 - YA377	1
YA501 - YA536	2
YA541 - YA552	1
YA571 - YA578	1
YA601 - YA606	2
YA607 - YA615	1

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Variable Number	Group
YA621 - YA622	1
YA626	1
YA627 - YA629	2
YA630 - YA631	1
YA635 - YA636	1
YA641 - YA642	1
YA645 - YA650	1
YA656 - YA659	1
YA666 - YA667	1
YA671 - YA672	1
YA681 - YA687	1
YA688 - YA691	2
YA701 - YA710	2
YA721 - YA722	2
YA731 - YA734	1
YA751 - YA756	1
YA801 - YA803	2
YA809	2
YA811 - YA814	2
YA831 - YA835	1
YA841 - YA862	2
YA881 - YA882	2
YA891 - YA892	2
YA961 - YA978	2
YB001 - YB006	1
YB101 - YB132	1
YB151 - YB153	2
YB156 - YB158	2
YB161 - YB164	1
YB171 - YB172	1
YB181 - YB184	2
YB201 - YB208	1
YB271	1

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Variable Number	Group
YB276	1
YB301 - YB310	1
YB371 - YB392	1
YB501 - YB502	1
YB521 - YB526	1
YB541 - YB544	1
YB551	1
YB561 - YB598	2
YB601 - YB632	1
YB633 - YB635	3
YB651	1
YB656	1
YB671 - YB672	1
YB851 - YB863	2
YB871 - YB874	2
YB881 - YB893	2
YB901 - YB903	1
YB911	1
YB961 - YB973	1
YB974	3
YB986	1
YB987 - YB995	3
YB996	6
YC001 - YC030	1
YC051 - YC084	1
YC091 - YC094	1
YC095	3
YC101 - YC104	1
YC111 - YC113	1
YC121	1
YC126 - YC127	1
YC136 - YC141	1
YC146 - YC147	1

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Variable Number	Group
YC151 - YC156	1
YC166 - YC169	1
YC170	2
YC171	1
YC176 - YC179	1
YC186 - YC190	1
YC201 - YC203	1
YC206 - YC207	1
YC301 - YC305	1
YC321 - YC380	2
YC381 - YC387	1
YC391 - YC394	1
YC396	2
YC401 - YC407	2
YC408 - YC417	1
YC421 - YC422	1
YC426 - YC428	1
YC436 - YC439	1
YC441	2
YC442 - YC448	1
YC451 - YC455	1
YC459	1
YC461 - YC467	1
YC471 - YC499	1
YC501 - YC526	1
YC571 - YC583	2
YC587 - YC589	2
YC591 - YC593	2
YC601 - YC655	2
YC681 - YC696	2
YC701 - YC715	1
YC720 - YC725	1
YC727 - YC730	1

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Variable Number	Group
YC731 - YC741	2
YC742 - YC752	1
YC761 - YC770	1
YC781 - YC793	1
YC801 - YC892	2
YC901 - YC907	1
YC921 - YC922	1
YC931 - YC932	1
YC941 - YC951	2
YC971 - YC978	2
YC981 - YC983	2
YD001 - YD007	1
YD021 - YD025	1
YD041 - YD057	1
YD081 - YD084	1
YD101 - YD110	1
YD111	6
YD121 - YD126	2
YD151 - YD159	1
YD171 - YD172	2
YD201 - YD203	1
YD206 - YD209	1
YD216 - YD219	1
YD251 - YD254	1
YD256 - YD257	1
YD261	1
YD301 - YD334	1
YD391	1
YD401 - YD410	1
YD412 - YD414	1
YD415 - YD416	3
YD417	6
YD481 - YD485	1

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Variable Number	Group
YD491 - YD499	2
YD501 - YD512	2
YD531 - YD535	1
YD541 - YD547	2
YD561 - YD564	2
YD571 - YD572	2
YD591 - YD595	2
YD601 - YD612	2
YD651 - YD655	2
YE001 - YE020	1
YE051	1
YE101 - YE109	1
YE151 - YE157	1
YE171 - YE172	1
YE201 - YE206	1
YE301 - YE305	1
YE321 - YE326	1
YE371 - YE383	1
YF001 - YF009	3
YF010 - YF011	6
YF021 - YF041	4
YF042 - YF045	7
YF046 - YF047	4
YF048	7
YF051 - YF060	4
YF061 - YF062	7
YF086	3
YF106 - YF107	1
YF111	1
YF112 - YF114	3
YF116 - YF117	3
YF121 - YF124	3
YF125 - YF126	6

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Variable Number	Group
YF176 - YF177	1
YF178	3
YF191 - YF192	3
YF201 - YF252	4
YF253 - YF265	7
YF401 - YF402	3
YF431 - YF432	7
YF441	4
YF442	7
YF451 - YF455	3
YF456 - YF459	6
YF501 - YF588	3
YF589 - YF592	6
YF701 - YF707	4
YF801 - YF803	3
YF831 - YF832	3
YF836 - YF837	3
YF901 - YF903	4
YF904 - YF905	7
YF921 - YF922	3
YF923 - YF926	6
YF951	7
YG001 - YG044	1
YG061 - YG064	1
YG066 - YG089	1
YG091 - YG099	1
YG101 - YG103	1
YG111 - YG114	1
YG116 - YG119	1
YG120 - YG125	3
YG126	6
YG201 - YG205	1
YG211 - YG214	1

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Variable Number	Group
YG221 - YG224	3
YG251 - YG252	2
YG501 - YG509	10
YG510 - YG511	14
YG601 - YG602	10
YG701	10
YG711	10
YH001 - YH010	9
YH011 - YH012	5
YH031 - YH050	5
YH051 - YH052	9
YH053 - YH055	5
YH071 - YH076	11
YH101 - YH109	9
YH110 - YH130	5
YH131 - YH132	11
YH201	12
YH202	8
YH206 - YH207	8
YH301 - YH305	8
YH306	13
YH321 - YH322	8
YJ001 - YJ008	1
YJ009 - YJ010	3
YJ011 - YJ013	1
YJ021	1
YJ471 - YJ480	1
YJ501 - YJ517	2
YJ531 - YJ562	2
YJ563 - YJ579	4
YJ591 - YJ596	2
YJ597 - YJ599	4
YJ631 - YJ632	1

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Variable Number	Group
YJ671 - YJ682	2
YJ683 - YJ685	1
YJ686 - YJ694	2
YJ801 - YJ867	1
YJ871 - YJ873	1
YJ874 - YJ880	3
YJ901 - YJ904	1
YJ908	1
YJ909 - YJ910	3
YJ911 - YJ929	2
YJ931 - YJ937	1
YJ941 - YJ947	1
YJ948 - YJ949	2
YJ950 - YJ952	1
YJ953	2
YJ954 - YJ956	1
YJ961	6
YJ976 - YJ977	1
YK001 - YK007	1
YK101 - YK104	1
YK111 - YK112	1
YK121 - YK122	1
YK131 - YK132	1
YK133	3
YK136 - YK139	1
YK141 - YK142	1
YK146 - YK148	1
YK151 - YK154	1
YK161 - YK166	1
YK167	3
YK171	1
YK176 - YK177	3
YK186	3

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Variable Number	Group
YK191	3
YK196	3
YK201 - YK202	4
YK301 - YK309	1
YK310 - YK314	3
YK321 - YK337	1
YK338 - YK340	3
YK361 - YK373	1
YK374 - YK378	3
YK401 - YK406	1
YK426 - YK427	1
YK431 - YK450	2
YK456 - YK460	2
YK461 - YK466	4
YK467	7
YK471 - YK472	4
YK473	7
YK476	2
YK480 - YK485	1
YK486 - YK487	3
YK495	1
YK496 - YK498	3
YK511 - YK516	2
YK521 - YK530	4
YK551 - YK565	1
YK566 - YK570	3
YK571	1
YK576 - YK577	1
YK580 - YK585	2
YK601 - YK602	1
YK606 - YK607	1
YK611 - YK614	1
YK615 - YK616	3

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Variable Number	Group
YK621 - YK625	1
YK626 - YK630	3
YK631 - YK634	1
YK641 - YK644	1
YK651 - YK660	1
YK661 - YK665	3
YK671 - YK672	3
YK676 - YK677	3
YK681 - YK686	3
YK691	3
YK701 - YK711	2
YK712 - YK713	4
YK716 - YK719	2
YK721 - YK741	2
YK751 - YK758	2
YK759 - YK770	4
YK776 - YK778	4
YK781 - YK782	4
YK791 - YK792	1
YK796 - YK797	1
YK801 - YK884	1
YK885 - YK899	3
YK901 - YK910	1
YK911 - YK912	3
YK918	1
YK919	3
YK921 - YK925	1
YK926 - YK927	3
YK941 - YK951	1
YK952 - YK957	3
YK958	6
YK961 - YK971	1
YK972 - YK980	3

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Variable Number	Group
YK981 - YK984	2
YK985 - YK992	4
YK993	7
YL001 - YL005	2
YL011	1
YL012 - YL016	2
YL021 - YL024	1
YL051 - YL052	1
YL056 - YL057	1
YL061	1
YL066 - YL069	2
YL076 - YL077	1
YL101 - YL113	2
YL114 - YL134	4
YL201 - YL207	12
YL208 - YL220	8
YL221 - YL223	13
YL271 - YL272	1
YL281 - YL282	1
YL283 - YL284	3
YL301 - YL303	1
YL311 - YL312	2
YL313 - YL314	7
YL316 - YL318	2
YL319 - YL320	4
YL321	3
YL351 - YL353	3
YL371 - YL373	1
YL374	3
YL401	3
YL421 - YL426	1
YL427 - YL429	3
YL431 - YL437	2

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Variable Number	Group
YL438 - YL444	4
YL461 - YL471	1
YL472 - YL478	3
YL501 - YL505	12
YL506 - YL509	8
YL531 - YL533	2
YL534	4
YL541 - YL544	3
YL561	2
YL562 - YL568	4
YL591	1
YL592 - YL595	3
YL596 - YL597	6
YL601 - YL606	1
YL611 - YL612	3
YL616 - YL617	3
YL621	3
YL626	3
YL631 - YL634	3
YL636 - YL637	6
YL661 - YL664	4
YL676 - YL681	4
YL691	4
YL701 - YL704	3
YL705 - YL706	6
YL731	3
YL751 - YL752	3
YL756	3
YL761 - YL773	5
YL774 - YL778	11
YL796	7
YL801 - YL805	4
YL806 - YL811	3

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Variable Number	Group
YL901 - YL903	2
YL904 - YL910	4
YL921 - YL930	4
YL931 - YL932	1
YL933 - YL938	3
YL939 - YL940	6
YL951 - YL964	3
YL965 - YL967	6
YM101 - YM103	1
YM201 - YM236	1
YM237 - YM242	3
YM251 - YM299	2
YM301 - YM363	2
YM364 - YM393	4
YM394 - YM396	7
YM471	2
YM481 - YM484	2
YM501 - YM515	2
YM521 - YM522	1
YM541	1
YM551 - YM553	2
YM571 - YM572	1
YM581 - YM582	1
YM591 - YM593	2
YM594 - YM599	4
YM631 - YM634	2
YM641 - YM648	1
YM649 - YM652	3
YM671 - YM672	1
YM673 - YM674	3
YM691 - YM697	3
YM698	6
YM701 - YM710	4

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Variable Number	Group
YM761 - YM763	4
YM764	7
YN001 - YN016	2
YN021 - YN023	2
YN024	4
YN061	1
YN071 - YN079	2
YN080 - YN082	4
YN091 - YN092	1
YN101 - YN112	1
YN121	1
YN201	1
YN202	3
YN211 - YN215	1
YN216 - YN219	3
YN231	1
YN232 - YN235	3
YN261	4
YQ001 - YQ003	3
YQ011 - YQ012	3
YQ026	3
YQ036 - YQ038	6
YQ201	6
YQ241	6
YQ401 - YQ402	6
YR001 - YR002	7
YR051	6

2. Spares Affected

None.

B. Concurrent Requirements

None

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C. Reason

This service bulletin provides the instructions and the kits to change the anti-icing system for the angle of attack sensor, the total air temperature, and the pitot probes. The changes to the system will let the anti-icing system automatically supply power to heat the probes. The anti-icing system will automatically come on (AUTO) after engine start if the crew does not activate the system. If this service bulletin is not accomplished, the air data sensors could be unheated which could let ice form on the sensors, and cause erroneous air data. Unreliable air data can lead to loss of crew situational awareness which could cause failure to maintain safe flight and landing of the airplane.

Boeing has received reports that the Pilot Heat switch is not always set to ON.

Fleet Team Digest, 737NG-FTD-30-08002, is related to this service bulletin.

Boeing Service Related Problem, (SRP) 737NG-SRP-30-0032, is related to this service bulletin.

D. Description

Get access to the flight compartment at the P5 overhead panel. Change wires and replace the P5-9 window/pitot heat module. At the P18 circuit breaker panel, replace two circuit breakers, install relay supports, relays, decals and change the wiring.

Get access to the electrical/electronics compartment. At the E2-2 electronics shelf, change wiring. At the E3-1 electronics shelf, change the wiring.

Do an operational test of the anti-icing system for the air data probes.

The work in this service bulletin is done in the maintenance zone(s) given below.

Group 1:

Affected Maintenance Zones	
Model	**Zone**
737-600, 737-700, 737-800, 737-900	117, 118, 121, 122, 211, 212

Group 2:

Affected Maintenance Zones	
Model	**Zone**
737-700, 737-800, 737-900	117, 118, 121, 122, 211, 212

Group 3-4, 6-7:

Affected Maintenance Zones	
Model	**Zone**
737-700, 737-800	117, 118, 121, 122, 211, 212

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Group 5, 8, 11-13:

Affected Maintenance Zones	
Model	**Zone**
737-800, 737-900ER	117, 118, 121, 122, 211, 212

Group 9:

Affected Maintenance Zones	
Model	**Zone**
737-900ER	117, 118, 121, 122, 211, 212

Group 10, 14:

Affected Maintenance Zones	
Model	**Zone**
737-700C	117, 118, 121, 122, 211, 212

E. Compliance

The Federal Aviation Administration (FAA) will possibly release an Airworthiness Directive related to this service bulletin. The Airworthiness Directive will make the compliance tasks and times given in this service bulletin mandatory.

Boeing recommends that the change given in this service bulletin be done within 24 months from the original issue date of this service bulletin.

F. Approval

This service bulletin was examined by the Federal Aviation Administration (FAA). The changes specified in this service bulletin comply with the applicable regulations and are FAA approved, as well as European Aviation Safety Agency (EASA)/Joint Aviation Authorities (JAA) approved for all EASA/JAA approved airplanes listed in the service bulletin effectivity. This service bulletin and its approval were based on the airplane in its original Boeing delivery configuration or as modified by other approved Boeing changes.

If an airplane has a non-Boeing modification or repair that affects a component or system also affected by this service bulletin, the operator is responsible for obtaining appropriate regulatory agency approval before incorporating this service bulletin.

G. Manpower

The table below shows an estimate of the task hours necessary to do this configuration changes for each airplane. This estimate is for direct labor only, done by an experienced crew. Adjust the estimate with operator task hour data if necessary. The estimate does not include lost time. These are some examples of lost time:

- Time to adjust to the workplace

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- Time to schedule the work
- Time to inspect the work
- Time to cure the materials
- Time to find the tools.

Group 1:

Task	Number Of Persons	Task-Hours	Elapsed Time (Hours)
Open Access	1	0.75	0.75
FIGURE 1	1	0.50	0.50
FIGURE 2	1	0.75	0.75
FIGURE 3, FIGURE 4	1	1.00	1.00
FIGURE 8, FIGURE 10	2	28.50	14.25
FIGURE 16, FIGURE 17	1	3.05	3.05
FIGURE 18, FIGURE 19	2	6.20	3.10
FIGURE 26, FIGURE 27	2	5.80	2.90
FIGURE 28, FIGURE 30	2	7.20	3.60
FIGURE 31, FIGURE 32	1	2.60	2.60
FIGURE 33, FIGURE 34	2	5.60	2.80
FIGURE 35, FIGURE 36	1	3.35	3.35
Test	1	2.00	2.00
Close access	1	0.75	0.75
TOTAL FOR EACH AIRPLANE		68.05	41.40

Group 2:

Task	Number Of Persons	Task-Hours	Elapsed Time (Hours)
Open Access	1	0.75	0.75
FIGURE 1	1	0.50	0.50
FIGURE 2	1	0.75	0.75
FIGURE 3, FIGURE 4	1	1.00	1.00
FIGURE 11, FIGURE 13	2	27.90	13.95
FIGURE 16, FIGURE 17	1	3.05	3.05
FIGURE 18, FIGURE 19	2	6.20	3.10
FIGURE 26, FIGURE 27	2	5.80	2.90
FIGURE 29, FIGURE 30	2	7.20	3.60

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Group 2:

Task	Number Of Persons	Task-Hours	Elapsed Time (Hours)
FIGURE 31, FIGURE 32	1	2.60	2.60
FIGURE 33, FIGURE 34	2	5.60	2.80
FIGURE 35, FIGURE 36	1	3.35	3.35
Test	1	2.00	2.00
Close access	1	0.75	0.75
TOTAL FOR EACH AIRPLANE		67.45	41.10

Group 3:

Task	Number Of Persons	Task-Hours	Elapsed Time (Hours)
Open Access	1	0.75	0.75
FIGURE 1	1	0.50	0.50
FIGURE 2	1	0.75	0.75
FIGURE 5, FIGURE 6	1	0.30	0.30
FIGURE 7	1	0.75	0.75
FIGURE 8, FIGURE 9	2	28.50	14.25
FIGURE 16, FIGURE 17	1	3.05	3.05
FIGURE 18, FIGURE 19	2	6.20	3.10
FIGURE 26, FIGURE 27	2	5.80	2.90
FIGURE 28, FIGURE 30	2	7.20	3.60
FIGURE 31, FIGURE 32	1	2.60	2.60
FIGURE 33, FIGURE 34	2	5.60	2.80
FIGURE 35, FIGURE 36	1	3.35	3.35
Test	1	2.00	2.00
Close access	1	0.75	0.75
TOTAL FOR EACH AIRPLANE		68.10	41.45

Group 4:

Task	Number Of Persons	Task-Hours	Elapsed Time (Hours)
Open Access	1	0.75	0.75
FIGURE 1	1	0.50	0.50

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Group 4:

Task	Number Of Persons	Task-Hours	Elapsed Time (Hours)
FIGURE 2	1	0.75	0.75
FIGURE 5, FIGURE 6	1	0.30	0.30
FIGURE 7	1	0.75	0.75
FIGURE 11, FIGURE 12	2	27.90	13.95
FIGURE 16, FIGURE 17	1	3.05	3.05
FIGURE 18, FIGURE 19	2	6.20	3.10
FIGURE 26, FIGURE 27	2	5.80	2.90
FIGURE 29, FIGURE 30	2	7.20	3.60
FIGURE 31, FIGURE 32	1	2.60	2.60
FIGURE 33, FIGURE 34	2	5.60	2.80
FIGURE 35, FIGURE 36	1	3.35	3.35
Test	1	2.00	2.00
Close access	1	0.75	0.75
TOTAL FOR EACH AIRPLANE		67.50	41.15

Group 5:

Task	Number Of Persons	Task-Hours	Elapsed Time (Hours)
Open Access	1	0.75	0.75
FIGURE 1	1	0.50	0.50
FIGURE 2	1	0.75	0.75
FIGURE 5, FIGURE 6	1	0.30	0.30
FIGURE 7	1	0.75	0.75
FIGURE 11, FIGURE 12	2	27.90	13.95
FIGURE 16, FIGURE 17	1	3.05	3.05
FIGURE 18, FIGURE 19	2	6.20	3.10
FIGURE 26, FIGURE 27	2	5.80	2.90
FIGURE 31, FIGURE 32	1	2.60	2.60
FIGURE 33, FIGURE 34	2	5.60	2.80
FIGURE 37, FIGURE 38	1	3.15	3.15
Test	1	2.00	2.00
Close access	1	0.75	0.75

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Group 5:

Task	Number Of Persons	Task-Hours	Elapsed Time (Hours)
TOTAL FOR EACH AIRPLANE		60.10	37.35

Group 6:

Task	Number Of Persons	Task-Hours	Elapsed Time (Hours)
Open Access	1	0.75	0.75
FIGURE 1	1	0.50	0.50
FIGURE 2	1	0.75	0.75
FIGURE 7	1	0.75	0.75
FIGURE 8, FIGURE 9	2	28.50	14.25
FIGURE 16, FIGURE 17	1	3.05	3.05
FIGURE 18, FIGURE 19	2	6.20	3.10
FIGURE 26, FIGURE 27	2	5.80	2.90
FIGURE 28, FIGURE 30	2	7.20	3.60
FIGURE 31, FIGURE 32	1	2.60	2.60
FIGURE 33, FIGURE 34	2	5.60	2.80
FIGURE 35, FIGURE 36	1	3.35	3.35
Test	1	2.00	2.00
Close access	1	0.75	0.75
TOTAL FOR EACH AIRPLANE		67.80	41.15

Group 7:

Task	Number Of Persons	Task-Hours	Elapsed Time (Hours)
Open Access	1	0.75	0.75
FIGURE 1	1	0.50	0.50
FIGURE 2	1	0.75	0.75
FIGURE 7	1	0.75	0.75
FIGURE 11, FIGURE 12	2	27.90	13.95
FIGURE 16, FIGURE 17	1	3.05	3.05
FIGURE 18, FIGURE 19	2	6.20	3.10
FIGURE 26, FIGURE 27	2	5.80	2.90

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Group 7:

Task	Number Of Persons	Task-Hours	Elapsed Time (Hours)
FIGURE 29, FIGURE 30	2	7.20	3.60
FIGURE 31, FIGURE 32	1	2.60	2.60
FIGURE 33, FIGURE 34	2	5.60	2.80
FIGURE 35, FIGURE 36	1	3.35	3.35
Test	1	2.00	2.00
Close access	1	0.75	0.75
TOTAL FOR EACH AIRPLANE		67.20	40.85

Group 8:

Task	Number Of Persons	Task-Hours	Elapsed Time (Hours)
Open Access	1	0.75	0.75
FIGURE 1	1	0.50	0.50
FIGURE 2	1	0.75	0.75
FIGURE 5, FIGURE 6	1	0.30	0.30
FIGURE 7	1	0.75	0.75
FIGURE 8, FIGURE 9	2	28.50	14.25
FIGURE 16, FIGURE 17	1	3.05	3.05
FIGURE 18, FIGURE 19	1	3.05	3.05
FIGURE 26, FIGURE 27	2	6.20	3.10
FIGURE 29, FIGURE 30	2	5.80	2.90
FIGURE 31, FIGURE 32	1	2.60	2.60
FIGURE 33, FIGURE 34	2	5.60	2.80
FIGURE 37, FIGURE 38	1	3.15	3.15
Test	1	2.00	2.00
Close access	1	0.75	0.75
TOTAL FOR EACH AIRPLANE		70.95	44.30

Group 9:

Task	Number Of Persons	Task-Hours	Elapsed Time (Hours)
Open Access	1	0.75	0.75

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Group 9:

Task	Number Of Persons	Task-Hours	Elapsed Time (Hours)
FIGURE 1	1	0.50	0.50
FIGURE 2	1	0.75	0.75
FIGURE 3, FIGURE 4	1	1.00	1.00
FIGURE 11, FIGURE 13	2	27.90	13.95
FIGURE 16, FIGURE 17	1	3.05	3.05
FIGURE 18, FIGURE 19	2	6.20	3.10
FIGURE 26, FIGURE 27	2	5.80	2.90
FIGURE 31, FIGURE 32	1	2.60	2.60
FIGURE 33, FIGURE 34	2	5.60	2.80
FIGURE 37, FIGURE 38	1	3.15	3.15
Test	1	2.00	2.00
Close access	1	0.75	0.75
TOTAL FOR EACH AIRPLANE		60.05	37.30

Group 10:

Task	Number Of Persons	Task-Hours	Elapsed Time (Hours)
Open Access	1	0.75	0.75
FIGURE 1	1	0.50	0.50
FIGURE 2	1	0.75	0.75
FIGURE 3, FIGURE 4	1	1.00	1.00
FIGURE 14, FIGURE 39	2	20.90	10.45
FIGURE 16, FIGURE 17	1	3.05	3.05
FIGURE 18, FIGURE 19	2	6.20	3.10
FIGURE 20, FIGURE 21, FIGURE 22, FIGURE 23, FIGURE 24, FIGURE 25	2	24.20	12.10
FIGURE 29, FIGURE 30	2	7.20	3.60
FIGURE 31, FIGURE 32	1	2.60	2.60
FIGURE 33, FIGURE 34	2	5.60	2.80
FIGURE 35, FIGURE 36	1	3.35	3.35
Test	1	2.00	2.00

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Group 10:

Task	Number Of Persons	Task-Hours	Elapsed Time (Hours)
Close access	1	0.75	0.75
TOTAL FOR EACH AIRPLANE		78.85	46.80

Group 11:

Task	Number Of Persons	Task-Hours	Elapsed Time (Hours)
Open Access	1	0.75	0.75
FIGURE 1	1	0.50	0.50
FIGURE 2	1	0.75	0.75
FIGURE 7	1	0.75	0.75
FIGURE 11, FIGURE 12	2	27.90	13.95
FIGURE 16, FIGURE 17	1	3.05	3.05
FIGURE 18, FIGURE 19	2	6.20	3.10
FIGURE 26, FIGURE 27	2	5.80	2.90
FIGURE 31, FIGURE 32	1	2.60	2.60
FIGURE 33, FIGURE 34	2	5.60	2.80
FIGURE 37, FIGURE 38	1	3.15	3.15
Test	1	2.00	2.00
Close access	1	0.75	0.75
TOTAL FOR EACH AIRPLANE		59.80	37.05

Group 12:

Task	Number Of Persons	Task-Hours	Elapsed Time (Hours)
Open Access	1	0.75	0.75
FIGURE 1	1	0.50	0.50
FIGURE 2	1	0.75	0.75
FIGURE 3, FIGURE 4	1	1.00	1.00
FIGURE 8, FIGURE 9	2	28.50	14.25
FIGURE 16, FIGURE 17	1	3.05	3.05
FIGURE 18, FIGURE 19	2	6.20	3.10
FIGURE 28, FIGURE 30	2	7.20	3.60

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Group 12:

Task	Number Of Persons	Task-Hours	Elapsed Time (Hours)
FIGURE 31, FIGURE 32	1	2.60	2.60
FIGURE 33, FIGURE 34	2	5.60	2.80
FIGURE 37, FIGURE 38	1	3.15	3.15
Test	1	2.00	2.00
Close access	1	0.75	0.75
TOTAL FOR EACH AIRPLANE		62.05	38.30

Group 13:

Task	Number Of Persons	Task-Hours	Elapsed Time (Hours)
Open Access	1	0.75	0.75
FIGURE 1	1	0.50	0.50
FIGURE 2	1	0.75	0.75
FIGURE 7	1	0.75	0.75
FIGURE 8, FIGURE 10	2	28.50	14.25
FIGURE 16, FIGURE 17	1	3.05	3.05
FIGURE 18, FIGURE 19	2	6.20	3.10
FIGURE 26, FIGURE 27	2	5.80	2.90
FIGURE 28, FIGURE 30	2	7.20	3.60
FIGURE 31, FIGURE 32	1	2.60	2.60
FIGURE 33, FIGURE 34	2	5.60	2.80
FIGURE 37, FIGURE 38	1	3.15	3.15
Test	1	2.00	2.00
Close access	1	0.75	0.75
TOTAL FOR EACH AIRPLANE		67.60	40.95

Group 14:

Task	Number Of Persons	Task-Hours	Elapsed Time (Hours)
Open Access	1	0.75	0.75
FIGURE 1	1	0.50	0.50
FIGURE 2	1	0.75	0.75

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Group 14:

Task	Number Of Persons	Task-Hours	Elapsed Time (Hours)
FIGURE 7	1	0.75	0.75
FIGURE 14, FIGURE 15	2	20.90	10.45
FIGURE 16, FIGURE 17	1	3.05	3.05
FIGURE 18, FIGURE 19	2	6.20	3.10
FIGURE 20, FIGURE 21, FIGURE 22, FIGURE 23, FIGURE 24, FIGURE 25	2	24.20	12.10
FIGURE 29, FIGURE 30	2	7.20	3.60
FIGURE 31, FIGURE 32	1	2.60	2.60
FIGURE 33, FIGURE 34	2	5.60	2.80
FIGURE 35, FIGURE 36	1	3.35	3.35
Test	1	2.00	2.00
Close access	1	0.75	0.75
TOTAL FOR EACH AIRPLANE		78.60	46.55

H. Weight and Balance Changes

Airplane	Change in Weight (Pounds)	Change in Moment (Pound-Inches)
737-600	+ 4.0	+ 1,104.0
737-700	+ 4.0	+ 888.0
737-800	+ 4.0	+ 416.0
737-900	+ 4.0	+ 168.0
737-900ER	+ 4.0	+ 168.0

I. Electrical Load Data

Not changed.

J. References

1. Existing Data

   a. Engineering Change Memo PRR 38275-160S

   b. BAE Systems Service Bulletin SB 233A3201-30-02

   c. Component Maintenance Manual (CMM) 25-00-66

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d. Standard Overhaul Practices Manual (SOPM) 20-50-05

e. Standard Wiring Practices Manual (SWPM) 20-20-10, 20-00-11, 20-10-11, 20-10-11, 20-10-12, 20-10-12, 20-10-14, 20-10-18, 20-10-19, 20-20-00, 20-30-11, 20-30-12, 20-61-11, 20-74-11, 20-81-12, 20-81-22, 20-90-11, 20-90-15

f. 737-600/700/800/900 Aircraft Maintenance Manual (AMM) 24-22-00, 30-31-00, 30-41-41, 33-26-03

g. 737-600/700/800/900 Wiring Diagram Manual (WDM) 24-61-21, 24-61-23, 30-31-11, 30-31-12

2. Data supplied with this Service Bulletin

None.

3. Installation Drawings Used in the Preparation of this Service Bulletin

Drawing Number	Title
233A5513	BRACKET ASSY - P18 EQUIPMENT SUPPORT
233A5624	P18 PANEL SHEET METAL DETAIL/ASSY
288A2022	WIRE BUNDLE INSTL - E2-2 SHELF
288A2031	WIRE BUNDLE INSTL - E3-1 SHELF
288A4155	WIRE BUNDLE INSTL - P18 EE CIRCUIT BREAKER
288A4156	WIRE BUNDLE INSTL - FWD AND OVERHEAD PANEL
288A4157	WIRE BUNDLE INSTL - AFT AND OVERHEAD PANEL

These drawings were used to prepare this service bulletin. These drawings are not necessary to make the specified changes, and are not supplied with this service bulletin. These drawings may not be applicable to all airplane configurations or operators.

K. Publications Affected

1. Publications:

Publication	Chapter-Section
737 Maintenance Manual	24-22, 24-34, 24-41, 30-31, 30-41, 33-26
737 Wiring Diagram Manual	23-41, 23-42, 23-43, 24-41, 24-42, 24-43, 32-44, 33-32
737 Structural Repair Manual	Ch 51
737 Illustrated Parts Catalog	24-41, 24-50
737 FCOM	Ch 3.10, Ch 3.20

2. Damage Tolerance Based Structural Inspections:

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Boeing has evaluated this service bulletin for effects on Fatigue Critical Structure (FCS) and for changes to Damage Tolerance Inspections (DTI) required in the Maintenance Program. This service bulletin does not affect FCS, therefore DTIs are not necessary.

L. Interchangeability and Intermixability of Parts

Accomplishment of this service bulletin does not affect interchangeability or intermixability of parts.

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2. MATERIAL INFORMATION

A. Material - Price and Availability

Boeing can supply the kits shown in Paragraph 2.C., Parts Necessary for Each Airplane. Operators are encouraged to share schedule requirements with Boeing for incorporation of the service bulletin. The kits are subject to the terms and conditions of the Boeing standard purchase order acknowledgment. Prices are in United States Dollars. Terms: Net 30 days.

Reference this service bulletin and submit your purchase order by one of these methods:

1. Order on-line via ATA Spec 2000 or The Boeing PART Page

2. Fax to (206) 662-7145

Group 1:
REFER TO THE BOEING PART PAGE ON MYBOEINGFLEET.COM OR CONTACT FIRST RESPONDER AT FR@BOEING.COM FOR THE LATEST REORDER LEAD TIME (ROLT) AND PRICE INFORMATION

Number	Name	ROLT as of the date of this Service Bulletin (Calendar Days)	Unit Price as of the date of this Service Bulletin (US Dollars)
002A0006-81	TOP KIT - PITOT TUBE AUTOMATION REPLACEMENT	298	$5,675.00

Group 2:
REFER TO THE BOEING PART PAGE ON MYBOEINGFLEET.COM OR CONTACT FIRST RESPONDER AT FR@BOEING.COM FOR THE LATEST REORDER LEAD TIME (ROLT) AND PRICE INFORMATION

Number	Name	ROLT as of the date of this Service Bulletin (Calendar Days)	Unit Price as of the date of this Service Bulletin (US Dollars)
002A0006-91	TOP KIT - PITOT TUBE AUTOMATION REPLACEMENT	298	$6,578.00

Group 3:
REFER TO THE BOEING PART PAGE ON MYBOEINGFLEET.COM OR CONTACT FIRST RESPONDER AT FR@BOEING.COM FOR THE LATEST REORDER LEAD TIME (ROLT) AND PRICE INFORMATION

Number	Name	ROLT as of the date of this Service Bulletin (Calendar Days)	Unit Price as of the date of this Service Bulletin (US Dollars)
002A0006-92	TOP KIT - PITOT TUBE AUTOMATION REPLACEMENT	298	$5,564.00

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Group 4:
REFER TO THE BOEING PART PAGE ON MYBOEINGFLEET.COM OR CONTACT FIRST RESPONDER AT FR@BOEING.COM FOR THE LATEST REORDER LEAD TIME (ROLT) AND PRICE INFORMATION

Number	Name	ROLT as of the date of this Service Bulletin (Calendar Days)	Unit Price as of the date of this Service Bulletin (US Dollars)
002A0006-95	TOP KIT - PITOT TUBE AUTOMATION REPLACEMENT	298	$7,361.00

Group 5:
REFER TO THE BOEING PART PAGE ON MYBOEINGFLEET.COM OR CONTACT FIRST RESPONDER AT FR@BOEING.COM FOR THE LATEST REORDER LEAD TIME (ROLT) AND PRICE INFORMATION

Number	Name	ROLT as of the date of this Service Bulletin (Calendar Days)	Unit Price as of the date of this Service Bulletin (US Dollars)
002A0006-96	TOP KIT - PITOT TUBE AUTOMATION REPLACEMENT	298	$6,899.00

Group 6:
REFER TO THE BOEING PART PAGE ON MYBOEINGFLEET.COM OR CONTACT FIRST RESPONDER AT FR@BOEING.COM FOR THE LATEST REORDER LEAD TIME (ROLT) AND PRICE INFORMATION

Number	Name	ROLT as of the date of this Service Bulletin (Calendar Days)	Unit Price as of the date of this Service Bulletin (US Dollars)
002A0006-97	TOP KIT - PITOT TUBE AUTOMATION REPLACEMENT	298	$4,991.00

Group 7:
REFER TO THE BOEING PART PAGE ON MYBOEINGFLEET.COM OR CONTACT FIRST RESPONDER AT FR@BOEING.COM FOR THE LATEST REORDER LEAD TIME (ROLT) AND PRICE INFORMATION

Number	Name	ROLT as of the date of this Service Bulletin (Calendar Days)	Unit Price as of the date of this Service Bulletin (US Dollars)
002A0006-98	TOP KIT - PITOT TUBE AUTOMATION REPLACEMENT	298	$6,551.00

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Group 8:
REFER TO THE BOEING PART PAGE ON MYBOEINGFLEET.COM OR CONTACT FIRST RESPONDER AT FR@BOEING.COM FOR THE LATEST REORDER LEAD TIME (ROLT) AND PRICE INFORMATION

Number	Name	ROLT as of the date of this Service Bulletin (Calendar Days)	Unit Price as of the date of this Service Bulletin (US Dollars)
002A0006-99	TOP KIT - PITOT TUBE AUTOMATION REPLACEMENT	298	$6,026.00

Group 9:
REFER TO THE BOEING PART PAGE ON MYBOEINGFLEET.COM OR CONTACT FIRST RESPONDER AT FR@BOEING.COM FOR THE LATEST REORDER LEAD TIME (ROLT) AND PRICE INFORMATION

Number	Name	ROLT as of the date of this Service Bulletin (Calendar Days)	Unit Price as of the date of this Service Bulletin (US Dollars)
002A0006-100	TOP KIT - PITOT TUBE AUTOMATION REPLACEMENT	298	$6,125.00

Group 10:
REFER TO THE BOEING PART PAGE ON MYBOEINGFLEET.COM OR CONTACT FIRST RESPONDER AT FR@BOEING.COM FOR THE LATEST REORDER LEAD TIME (ROLT) AND PRICE INFORMATION

Number	Name	ROLT as of the date of this Service Bulletin (Calendar Days)	Unit Price as of the date of this Service Bulletin (US Dollars)
002A0006-101	TOP KIT - PITOT TUBE AUTOMATION REPLACEMENT	298	$7,506.00

Group 11:
REFER TO THE BOEING PART PAGE ON MYBOEINGFLEET.COM OR CONTACT FIRST RESPONDER AT FR@BOEING.COM FOR THE LATEST REORDER LEAD TIME (ROLT) AND PRICE INFORMATION

Number	Name	ROLT as of the date of this Service Bulletin (Calendar Days)	Unit Price as of the date of this Service Bulletin (US Dollars)
002A0006-102	TOP KIT - PITOT TUBE AUTOMATION REPLACEMENT	298	$6,089.00

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Group 12:
REFER TO THE BOEING PART PAGE ON MYBOEINGFLEET.COM OR CONTACT FIRST RESPONDER AT FR@BOEING.COM FOR THE LATEST REORDER LEAD TIME (ROLT) AND PRICE INFORMATION

Number	Name	ROLT as of the date of this Service Bulletin (Calendar Days)	Unit Price as of the date of this Service Bulletin (US Dollars)
002A0006-103	TOP KIT - PITOT TUBE AUTOMATION REPLACEMENT	298	$5,253.00

Group 13:
REFER TO THE BOEING PART PAGE ON MYBOEINGFLEET.COM OR CONTACT FIRST RESPONDER AT FR@BOEING.COM FOR THE LATEST REORDER LEAD TIME (ROLT) AND PRICE INFORMATION

Number	Name	ROLT as of the date of this Service Bulletin (Calendar Days)	Unit Price as of the date of this Service Bulletin (US Dollars)
002A0006-104	TOP KIT - PITOT TUBE AUTOMATION REPLACEMENT	298	$5,216.00

Group 14:
REFER TO THE BOEING PART PAGE ON MYBOEINGFLEET.COM OR CONTACT FIRST RESPONDER AT FR@BOEING.COM FOR THE LATEST REORDER LEAD TIME (ROLT) AND PRICE INFORMATION

Number	Name	ROLT as of the date of this Service Bulletin (Calendar Days)	Unit Price as of the date of this Service Bulletin (US Dollars)
002A0006-105	TOP KIT - PITOT TUBE AUTOMATION REPLACEMENT	298	$7,504.00

B. Industry Support Information

Boeing warranty remedies are not available for the configuration changes given in this service bulletin.

C. Parts Necessary For Each Airplane

1. Kits/Parts

To get the kits/parts shown below, refer to Paragraph 2.A., Material - Price and Availability.

NOTE: One top kit and the items shown in Paragraph 2.C.2., Parts and Materials Supplied by the Operator, are necessary for each airplane. The Top Kit is divided into Figure kits for each installation figure shown in the table below.

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	Figure Kit					
Top Kit	**2**	**3**	**4**	**6**	**7**	**8**
002A0006-100	1	1	1	-	-	-
002A0006-101	1	1	1	-	-	-
002A0006-102	1	-	-	-	1	-
002A0006-103	1	1	1	-	-	-
002A0006-104	1	-	-	-	1	-
002A0006-105	1	-	-	-	1	-
002A0006-81	1	1	1	-	-	-
002A0006-91	1	1	1	-	-	-
002A0006-92	1	-	-	1	1	-
002A0006-95	1	-	-	1	1	-
002A0006-96	1	-	-	1	1	-
002A0006-97	1	-	-	-	1	-
002A0006-98	1	-	-	-	1	-
002A0006-99	1	-	-	1	1	-

	Figure Kit					
Top Kit	**10**	**11**	**13**	**14**	**16**	**18**
002A0006-100	-	-	1	-	1	-
002A0006-101	-	-	-	-	1	-
002A0006-102	-	-	-	-	1	-
002A0006-103	1	-	-	-	1	-
002A0006-104	-	-	-	-	1	-
002A0006-105	-	-	-	-	1	-
002A0006-81	1	-	-	-	1	-
002A0006-91	-	-	1	-	1	-
002A0006-92	-	-	-	-	1	-
002A0006-95	-	-	-	-	1	-
002A0006-96	-	-	-	-	1	-
002A0006-97	-	-	-	-	1	-
002A0006-98	-	-	-	-	1	-
002A0006-99	-	-	-	-	1	-

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	Figure Kit					
Top Kit	**21**	**22**	**23**	**24**	**26**	**28**
002A0006-100	-	-	-	-	-	-
002A0006-101	-	-	-	-	-	-
002A0006-102	-	-	-	-	-	-
002A0006-103	-	-	-	-	-	-
002A0006-104	-	-	-	-	-	-
002A0006-105	-	-	-	-	-	-
002A0006-81	-	-	-	-	-	-
002A0006-91	-	-	-	-	-	-
002A0006-92	-	-	-	-	-	-
002A0006-95	-	-	-	-	-	-
002A0006-96	-	-	-	-	-	-
002A0006-97	-	-	-	-	-	-
002A0006-98	-	-	-	-	-	-
002A0006-99	-	-	-	-	-	-

	Figure Kit				
Top Kit	**29**	**31**	**33**	**35**	**37**
002A0006-100	-	-	-	-	-
002A0006-101	-	-	-	-	-
002A0006-102	-	-	-	-	-
002A0006-103	-	-	-	-	-
002A0006-104	-	-	-	-	-
002A0006-105	-	-	-	-	-
002A0006-81	-	-	-	-	-
002A0006-91	-	-	-	-	-
002A0006-92	-	-	-	-	-
002A0006-95	-	-	-	-	-
002A0006-96	-	-	-	-	-
002A0006-97	-	-	-	-	-
002A0006-98	-	-	-	-	-
002A0006-99	-	-	-	-	-

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	Top Kit		
Wire Kit	**002A0006-100**	**002A0006-101**	**002A0006-102**
280A3157-101	-	-	-
280A3157-101W	-	-	-
280A3157-102	1	-	1
280A3157-102W	-	-	-
280A3157-103	-	1	-
280A3157-103W	-	-	-
280A3157-104	1	1	1
280A3157-104W	-	-	-
280A3157-105	1	1	1
280A3157-105W	-	-	-
280A3157-106	-	1	-
280A3157-107	-	1	-
280A3157-107W	-	-	-
280A3157-108	1	-	1
280A3157-108W	-	-	-
280A3157-109	1	-	1
280A3157-109W	-	-	-
280A3157-110	-	-	-
280A3157-110W	-	-	-
280A3157-111	1	1	1
280A3157-111W	-	-	-
280A3157-112	1	1	1
280A3157-112W	-	-	-
280A3157-113	-	1	-
280A3157-113W	-	-	-
280A3157-114	-	1	-
280A3157-114W	-	-	-
280A3157-115	-	1	-
280A3157-115W	-	-	-
280A3157-116	1	1	1
280A3157-116W	-	-	-
280A3157-117	-	1	-

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	Top Kit		
Wire Kit	**002A0006-100**	**002A0006-101**	**002A0006-102**
280A3157-117W	-	-	-

	Top Kit		
Wire Kit	**002A0006-103**	**002A0006-104**	**002A0006-105**
280A3157-101	1	1	-
280A3157-101W	-	-	-
280A3157-102	-	-	-
280A3157-102W	-	-	-
280A3157-103	-	-	1
280A3157-103W	-	-	-
280A3157-104	1	1	1
280A3157-104W	-	-	-
280A3157-105	1	1	1
280A3157-105W	-	-	-
280A3157-106	-	-	1
280A3157-107	-	-	1
280A3157-107W	-	-	-
280A3157-108	1	1	-
280A3157-108W	-	-	-
280A3157-109	1	1	-
280A3157-109W	-	-	-
280A3157-110	1	1	-
280A3157-110W	-	-	-
280A3157-111	-	-	1
280A3157-111W	-	-	-
280A3157-112	1	1	1
280A3157-112W	-	-	-
280A3157-113	-	-	1
280A3157-113W	-	-	-
280A3157-114	-	-	1
280A3157-114W	-	-	-
280A3157-115	-	-	1

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	Top Kit		
Wire Kit	**002A0006-103**	**002A0006-104**	**002A0006-105**
280A3157-115W	-	-	-
280A3157-116	1	1	1
280A3157-116W	-	-	-
280A3157-117	-	-	1
280A3157-117W	-	-	-

	Top Kit		
Wire Kit	**002A0006-81**	**002A0006-91**	**002A0006-92**
280A3157-101	1	-	1
280A3157-101W	-	-	-
280A3157-102	-	1	-
280A3157-102W	-	-	-
280A3157-103	-	-	-
280A3157-103W	-	-	-
280A3157-104	1	1	1
280A3157-104W	-	-	-
280A3157-105	1	1	1
280A3157-105W	-	-	-
280A3157-106	-	-	-
280A3157-107	-	-	-
280A3157-107W	-	-	-
280A3157-108	1	1	1
280A3157-108W	-	-	-
280A3157-109	-	-	-
280A3157-109W	-	-	-
280A3157-110	1	-	1
280A3157-110W	-	-	-
280A3157-111	-	1	-
280A3157-111W	-	-	-
280A3157-112	1	1	1
280A3157-112W	-	-	-
280A3157-113	-	-	-

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	Top Kit		
Wire Kit	**002A0006-81**	**002A0006-91**	**002A0006-92**
280A3157-113W	-	-	-
280A3157-114	-	-	-
280A3157-114W	-	-	-
280A3157-115	1	1	1
280A3157-115W	-	-	-
280A3157-116	1	1	1
280A3157-116W	-	-	-
280A3157-117	-	-	-
280A3157-117W	-	-	-

	Top Kit		
Wire Kit	**002A0006-95**	**002A0006-96**	**002A0006-97**
280A3157-101	-	-	1
280A3157-101W	-	-	-
280A3157-102	1	1	-
280A3157-102W	-	-	-
280A3157-103	-	-	-
280A3157-103W	-	-	-
280A3157-104	1	1	1
280A3157-104W	-	-	-
280A3157-105	1	1	1
280A3157-105W	-	-	-
280A3157-106	-	-	-
280A3157-107	-	-	-
280A3157-107W	-	-	-
280A3157-108	1	1	1
280A3157-108W	-	-	-
280A3157-109	-	1	-
280A3157-109W	-	-	-
280A3157-110	-	-	1
280A3157-110W	-	-	-
280A3157-111	1	1	-

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	Top Kit		
Wire Kit	**002A0006-95**	**002A0006-96**	**002A0006-97**
280A3157-111W	-	-	-
280A3157-112	1	1	1
280A3157-112W	-	-	-
280A3157-113	-	-	-
280A3157-113W	-	-	-
280A3157-114	-	-	-
280A3157-114W	-	-	-
280A3157-115	1	-	1
280A3157-115W	-	-	-
280A3157-116	1	1	1
280A3157-116W	-	-	-
280A3157-117	-	-	-
280A3157-117W	-	-	-

	Top Kit	
Wire Kit	**002A0006-98**	**002A0006-99**
280A3157-101	-	1
280A3157-101W	-	-
280A3157-102	1	-
280A3157-102W	-	-
280A3157-103	-	-
280A3157-103W	-	-
280A3157-104	1	1
280A3157-104W	-	-
280A3157-105	1	1
280A3157-105W	-	-
280A3157-106	-	-
280A3157-107	-	-
280A3157-107W	-	-
280A3157-108	1	1
280A3157-108W	-	-
280A3157-109	-	1

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	Top Kit	
Wire Kit	**002A0006-98**	**002A0006-99**
280A3157-109W	-	-
280A3157-110	-	1
280A3157-110W	-	-
280A3157-111	1	-
280A3157-111W	-	-
280A3157-112	1	1
280A3157-112W	-	-
280A3157-113	-	-
280A3157-113W	-	-
280A3157-114	-	-
280A3157-114W	-	-
280A3157-115	1	-
280A3157-115W	-	-
280A3157-116	1	1
280A3157-116W	-	-
280A3157-117	-	-
280A3157-117W	-	-

Group 9:

KIT 002A0006-100								
	Figure							
	2	**3**	**4**	**13**	**16**			
New Part Number	**QTY**					**Name**	**Existing Part Number**	**NOTES**
233A5513-4			1			BRACKET ASSY - P18 EQUIPMENT		
233A5518-25	1					OVERLAY MARKER, P18-3		
280A2001-1					1	LACING TAPE		
BACJ40K5A5A7			1			BONDING JUMPER		
BACN10YR3CD			2			NUT		
BACR13CG2AB			1			RELAY		
BACS12FA3K11GR			2			SCREW, WASHER HEAD		

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Group 9:

KIT 002A0006-100								
	Figure							
	2	3	4	13	16			
New Part Number	QTY					Name	Existing Part Number	NOTES
BACS12GU3K32				1		SCREW, CAP		
BACS12GU3K8			1			SCREW		
BACT19J1			2			DECAL		
BACT19J4	3					TAPE, ID		
F600-D4NC			1			RELAY, 6PDT, 10 AMP		
NAS1149D0316H			4			WASHER		
NAS1149D0316J				1		WASHER		
NAS1834C3-250		2				INSERT		
NAS43DD3-96FC				1		SPACERS FOR BOLTS		

Group 10:

KIT 002A0006-101							
	Figure						
	2	3	4	16			
New Part Number	QTY				Name	Existing Part Number	NOTES
233A5513-4			1		BRACKET ASSY - P18 EQUIPMENT		
233A5518-25	1				OVERLAY MARKER, P18-3		
280A2001-1				1	LACING TAPE		
BACJ40K5A5A7			1		BONDING JUMPER		
BACN10YR3CD			2		NUT		
BACR13CG2AB			1		RELAY		
BACS12FA3K11GR			2		SCREW, WASHER HEAD		
BACS12GU3K8			1		SCREW		
BACT19J1			2		DECAL		
BACT19J4	3				TAPE, ID		
F600-D4NC			1		RELAY, 6PDT, 10 AMP		

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Group 10:

KIT 002A0006-101							
	Figure						
	2	3	4	16			
New Part Number	QTY				Name	Existing Part Number	NOTES
NAS1149D0316H			4		WASHER		
NAS1834C3-250		2			INSERT		

Group 11:

KIT 002A0006-102						
	Figure					
	2	7	16			
New Part Number	QTY			Name	Existing Part Number	NOTES
233A5513-3		1		BRACKET - P18 EQUIPMENT SUP-PORT		
233A5518-25	1			OVERLAY MARKER, P18-3		
280A2001-1			1	LACING TAPE		
BACJ40K5A5A12		1		BONDING JUMPER		
BACN10YR3CD		2		NUT		
BACR13CG2AB		1		RELAY		
BACS12FA3K7GR		2		FAIRING SCREWS		
BACS12GU3K8		1		SCREW		
BACT19J1		2		DECAL		
BACT19J4	3			TAPE, ID		
F600-D4NC		1		RELAY, 6PDT, 10 AMP		
NAS1149D0316H		4		WASHER		

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Group 12:

KIT 002A0006-103								
	Figure							
	2	3	4	10	16			
New Part Number	QTY					Name	Existing Part Number	NOTES
233A5513-4			1			BRACKET ASSY - P18 EQUIPMENT		
233A5518-25	1					OVERLAY MARKER, P18-3		
280A2001-1					1	LACING TAPE		
BACJ40K5A5A7			1			BONDING JUMPER		
BACN10YR3CD			2			NUT		
BACR13CG2AB			1			RELAY		
BACS12FA3K11GR			2			SCREW, WASHER HEAD		
BACS12GU3K32				1		SCREW, CAP		
BACS12GU3K8			1			SCREW		
BACT19J1			2			DECAL		
BACT19J4	3					TAPE, ID		
F600-D4NC			1			RELAY, 6PDT, 10 AMP		
NAS1149D0316H			4			WASHER		
NAS1149D0316J				1		WASHER		
NAS1834C3-250		2				INSERT		
NAS43DD3-96FC				1		SPACERS FOR BOLTS		

Group 13:

KIT 002A0006-104						
	Figure					
	2	7	16			
New Part Number	QTY			Name	Existing Part Number	NOTES
233A5513-3		1		BRACKET - P18 EQUIPMENT SUP-PORT		
233A5518-25	1			OVERLAY MARKER, P18-3		

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Group 13:

KIT 002A0006-104						
	Figure					
	2	7	16			
New Part Number	QTY			Name	Existing Part Number	NOTES
280A2001-1			1	LACING TAPE		
BACJ40K5A5A12		1		BONDING JUMPER		
BACN10YR3CD		2		NUT		
BACR13CG2AB		1		RELAY		
BACS12FA3K7GR		2		FAIRING SCREWS		
BACS12GU3K8		1		SCREW		
BACT19J1		2		DECAL		
BACT19J4	3			TAPE, ID		
F600-D4NC		1		RELAY, 6PDT, 10 AMP		
NAS1149D0316H		4		WASHER		

Group 14:

KIT 002A0006-105						
	Figure					
	2	7	16			
New Part Number	QTY			Name	Existing Part Number	NOTES
233A5513-3		1		BRACKET - P18 EQUIPMENT SUP-PORT		
233A5518-25	1			OVERLAY MARKER, P18-3		
280A2001-1			1	LACING TAPE		
BACJ40K5A5A12		1		BONDING JUMPER		
BACN10YR3CD		2		NUT		
BACR13CG2AB		1		RELAY		
BACS12FA3K7GR		2		FAIRING SCREWS		
BACS12GU3K8		1		SCREW		
BACT19J1		2		DECAL		
BACT19J4	3			TAPE, ID		
F600-D4NC		1		RELAY, 6PDT, 10 AMP		

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Group 14:

KIT 002A0006-105						
	Figure					
	2	7	16			
New Part Number	QTY			Name	Existing Part Number	NOTES
NAS1149D0316H		4		WASHER		

Group 1:

KIT 002A0006-81								
	Figure							
	2	3	4	10	16			
New Part Number	QTY					Name	Existing Part Number	NOTES
233A5513-4			1			BRACKET ASSY - P18 EQUIPMENT		
233A5518-25	1					OVERLAY MARKER, P18-3		
280A2001-1					1	LACING TAPE		
BACJ40K5A5A7			1			BONDING JUMPER		
BACN10YR3CD			2			NUT		
BACR13CG2AB			1			RELAY		
BACS12FA3K11GR			2			SCREW, WASHER HEAD		
BACS12GU3K32				1		SCREW, CAP		
BACS12GU3K8			1			SCREW		
BACT19J1			2			DECAL		
BACT19J4	3					TAPE, ID		
F600-D4NC			1			RELAY, 6PDT, 10 AMP		
NAS1149D0316H			4			WASHER		
NAS1149D0316J				1		WASHER		
NAS1834C3-250		2				INSERT		
NAS43DD3-96FC				1		SPACERS FOR BOLTS		

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Group 2:

KIT 002A0006-91								
	Figure							
	2	3	4	13	16			
New Part Number	QTY					Name	Existing Part Number	NOTES
233A5513-4			1			BRACKET ASSY - P18 EQUIPMENT		
233A5518-25	1					OVERLAY MARKER, P18-3		
280A2001-1					1	LACING TAPE		
BACJ40K5A5A7			1			BONDING JUMPER		
BACN10YR3CD			2			NUT		
BACR13CG2AB			1			RELAY		
BACS12FA3K11GR			2			SCREW, WASHER HEAD		
BACS12GU3K32				1		SCREW, CAP		
BACS12GU3K8			1			SCREW		
BACT19J1			2			DECAL		
BACT19J4	3					TAPE, ID		
F600-D4NC			1			RELAY, 6PDT, 10 AMP		
NAS1149D0316H			4			WASHER		
NAS1149D0316J				1		WASHER		
NAS1834C3-250		2				INSERT		
NAS43DD3-96FC				1		SPACERS FOR BOLTS		

Group 3:

KIT 002A0006-92							
	Figure						
	2	6	7	16			
New Part Number	QTY				Name	Existing Part Number	NOTES
233A5513-3			1		BRACKET - P18 EQUIPMENT SUP-PORT		
233A5518-25	1				OVERLAY MARKER, P18-3		

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Group 3:

KIT 002A0006-92							
	Figure						
	2	6	7	16			
New Part Number	QTY				Name	Existing Part Number	NOTES
233A5624-47		1			STANCHION ASSY		
280A2001-1				1	LACING TAPE		
BACJ40K5A5A12			1		BONDING JUMPER		
BACN10YR3CD			2		NUT		
BACR13CG2AB			1		RELAY		
BACS12FA3K5		1			FAIRING SCREWS		
BACS12FA3K7GR			2		FAIRING SCREWS		
BACS12FA3K8		1			SCREW, WASHER HEAD		
BACS12GU3K8			1		SCREW		
BACT19J1			2		DECAL		
BACT19J4	3				TAPE, ID		
F600-D4NC			1		RELAY, 6PDT, 10 AMP		
NAS1149D0316H			4		WASHER		

Group 4:

KIT 002A0006-95							
	Figure						
	2	6	7	16			
New Part Number	QTY				Name	Existing Part Number	NOTES
233A5513-3			1		BRACKET - P18 EQUIPMENT SUP-PORT		
233A5518-25	1				OVERLAY MARKER, P18-3		
233A5624-47		1			STANCHION ASSY		
280A2001-1				1	LACING TAPE		
BACJ40K5A5A12			1		BONDING JUMPER		
BACN10YR3CD			2		NUT		
BACR13CG2AB			1		RELAY		

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Group 4:

KIT 002A0006-95							
	Figure						
	2	6	7	16			
New Part Number	QTY				Name	Existing Part Number	NOTES
BACS12FA3K5		1			FAIRING SCREWS		
BACS12FA3K7GR			2		FAIRING SCREWS		
BACS12FA3K8		1			SCREW, WASHER HEAD		
BACS12GU3K8			1		SCREW		
BACT19J1			2		DECAL		
BACT19J4	3				TAPE, ID		
F600-D4NC			1		RELAY, 6PDT, 10 AMP		
NAS1149D0316H			4		WASHER		

Group 5:

KIT 002A0006-96							
	Figure						
	2	6	7	16			
New Part Number	QTY				Name	Existing Part Number	NOTES
233A5513-3			1		BRACKET - P18 EQUIPMENT SUP-PORT		
233A5518-25	1				OVERLAY MARKER, P18-3		
233A5624-47		1			STANCHION ASSY		
280A2001-1				1	LACING TAPE		
BACJ40K5A5A12			1		BONDING JUMPER		
BACN10YR3CD			2		NUT		
BACR13CG2AB			1		RELAY		
BACS12FA3K5		1			FAIRING SCREWS		
BACS12FA3K7GR			2		FAIRING SCREWS		
BACS12FA3K8		1			SCREW, WASHER HEAD		
BACS12GU3K8			1		SCREW		
BACT19J1			2		DECAL		

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Group 5:

KIT 002A0006-96							
	Figure						
	2	6	7	16			
New Part Number	QTY				Name	Existing Part Number	NOTES
BACT19J4	3				TAPE, ID		
F600-D4NC			1		RELAY, 6PDT, 10 AMP		
NAS1149D0316H			4		WASHER		

Group 6:

KIT 002A0006-97						
	Figure					
	2	7	16			
New Part Number	QTY			Name	Existing Part Number	NOTES
233A5513-3		1		BRACKET - P18 EQUIPMENT SUP-PORT		
233A5518-25	1			OVERLAY MARKER, P18-3		
280A2001-1			1	LACING TAPE		
BACJ40K5A5A12		1		BONDING JUMPER		
BACN10YR3CD		2		NUT		
BACR13CG2AB		1		RELAY		
BACS12FA3K7GR		2		FAIRING SCREWS		
BACS12GU3K8		1		SCREW		
BACT19J1		2		DECAL		
BACT19J4	3			TAPE, ID		
F600-D4NC		1		RELAY, 6PDT, 10 AMP		
NAS1149D0316H		4		WASHER		

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Group 7:

KIT 002A0006-98						
	Figure					
	2	7	16			
New Part Number	QTY			Name	Existing Part Number	NOTES
233A5513-3		1		BRACKET - P18 EQUIPMENT SUP-PORT		
233A5518-25	1			OVERLAY MARKER, P18-3		
280A2001-1			1	LACING TAPE		
BACJ40K5A5A12		1		BONDING JUMPER		
BACN10YR3CD		2		NUT		
BACR13CG2AB		1		RELAY		
BACS12FA3K7GR		2		FAIRING SCREWS		
BACS12GU3K8		1		SCREW		
BACT19J1		2		DECAL		
BACT19J4	3			TAPE, ID		
F600-D4NC		1		RELAY, 6PDT, 10 AMP		
NAS1149D0316H		4		WASHER		

Group 8:

KIT 002A0006-99							
	Figure						
	2	6	7	16			
New Part Number	QTY				Name	Existing Part Number	NOTES
233A5513-3			1		BRACKET - P18 EQUIPMENT SUP-PORT		
233A5518-25	1				OVERLAY MARKER, P18-3		
233A5624-47		1			STANCHION ASSY		
280A2001-1				1	LACING TAPE		
BACJ40K5A5A12			1		BONDING JUMPER		
BACN10YR3CD			2		NUT		
BACR13CG2AB			1		RELAY		

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Group 8:

KIT 002A0006-99							
	Figure						
	2	6	7	16			
New Part Number	QTY				Name	Existing Part Number	NOTES
BACS12FA3K5		1			FAIRING SCREWS		
BACS12FA3K7GR			2		FAIRING SCREWS		
BACS12FA3K8		1			SCREW, WASHER HEAD		
BACS12GU3K8			1		SCREW		
BACT19J1			2		DECAL		
BACT19J4	3				TAPE, ID		
F600-D4NC			1		RELAY, 6PDT, 10 AMP		
NAS1149D0316H			4		WASHER		

KIT 280A3157-101			
New Part Number	QTY	Name	Notes
BACC45FN16-24S9	1	CONNECTOR, ELECTRICAL, RECEPTACLE, FLANGE MOUNT, BAYONET COUPLING	
BACC47CP1S	14	CONTACT, SOCKET	
BACC47DJ1	12	CONTACT, SOCKET	
BACS16W1A	1	RELAY SOCKET	
BACT12AC15	2	TERMINAL, LUG	
BACT12AC19	3	TERMINAL, LUG	
BACT12AC49	19	TERMINAL, LUG	
MS27488-20-1	18	PLUG	
M39029/92-533	12	CONTACT	
RSE116755	1	RELAY SOCKET	
280A3157-101W	1	WIRE LIST	
280A3157-10102	1	ID TAPE - CONNECTOR	
280A3157-10101	1	ID TAPE - CONNECTOR	
280A3157-10103	1	ID TAPE - CONNECTOR	

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KIT 280A3157-101W			
New Part Number	**QTY**	**Name**	**Notes**
BMS13-48T10C01G022	1	WIRE	
BMS13-48T10C01G020	1	WIRE	
BMS13-60T07C01G016	1	WIRE	
BMS13-58T1C1G8	1	WIRE RMS 5454011605	
BMS13-58T1C1G16	1	WIRE RMS 5454011750	
BMS13-58T1C1G22	1	WIRE	

KIT 280A3157-102			
New Part Number	**QTY**	**Name**	**Notes**
BACC45FN16-24S9	1	CONNECTOR, ELECTRICAL, RECEPTACLE, FLANGE MOUNT, BAYONET COUPLING	
BACC47CP1S	14	CONTACT, SOCKET	
BACC47DJ1	12	CONTACT, SOCKET	
BACS16W1A	1	RELAY SOCKET	
BACT12AC15	2	TERMINAL, LUG	
BACT12AC19	2	TERMINAL, LUG	
BACT12AC49	20	TERMINAL, LUG	
MS27488-20-1	18	PLUG	
M39029/92-533	12	CONTACT	
RSE116755	1	RELAY SOCKET	
280A3157-102W	1	WIRE LIST	
280A3157-10202	1	ID TAPE - CONNECTOR	
280A3157-10203	1	ID TAPE - CONNECTOR	
280A3157-10201	1	ID TAPE - CONNECTOR	

KIT 280A3157-102W			
New Part Number	**QTY**	**Name**	**Notes**
BMS13-48T10C01G022	1	WIRE	
BMS13-48T10C01G020	1	WIRE	
BMS13-60T07C01G016	1	WIRE	
BMS13-58T1C1G8	1	WIRE RMS 5454011605	
BMS13-58T1C1G14	1	WIRE RMS 5454011749	

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KIT 280A3157-102W			
New Part Number	**QTY**	**Name**	**Notes**
BMS13-58T1C1G22	1	WIRE	

KIT 280A3157-103			
New Part Number	**QTY**	**Name**	**Notes**
BACC45FN16-24S7	1	CONNECTOR, ELECTRICAL, RECEPTACLE, FLANGE MOUNT, BAYONET COUPLING	
BACC45FN16-24S9	1	CONNECTOR, ELECTRICAL, RECEPTACLE, FLANGE MOUNT, BAYONET COUPLING	
BACC47CP1S	18	CONTACT, SOCKET	
BACC47DJ1	12	CONTACT, SOCKET	
BACS16W1A	1	RELAY SOCKET	
BACT12AC15	2	TERMINAL, LUG	
BACT12AC19	2	TERMINAL, LUG	
BACT12AC49	16	TERMINAL, LUG	
MS27488-20-1	43	PLUG	
P209541	2	CONTACT, PYLE	
D436-37	1	SPLICE	
M39029/92-533	14	CONTACT	
RSE116755	1	RELAY SOCKET	
280A3157-103W	1	WIRE LIST	
280A3157-10302	1	ID TAPE - CONNECTOR	
280A3157-10303	1	ID TAPE - CONNECTOR	
280A3157-10301	1	ID TAPE - CONNECTOR	
280A3157-10304	1	ID TAPE - CONNECTOR	
280A3157-10305	1	ID SLEEVE - SPLICE	

KIT 280A3157-103W			
New Part Number	**QTY**	**Name**	**Notes**
BMS13-48T10C01G022	1	WIRE	
BMS13-48T10C01G020	1	WIRE	
BMS13-60T07C01G016	1	WIRE	

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KIT 280A3157-103W			
New Part Number	**QTY**	**Name**	**Notes**
BMS13-58T1C1G8	1	WIRE RMS 5454011605	
BMS13-58T1C1G14	1	WIRE RMS 5454011749	
BMS13-58T1C1G22	1	WIRE	

KIT 280A3157-104			
New Part Number	**QTY**	**Name**	**Notes**
S280W555-104	2	TERMINAL MODULE	
S280W555-920	5	CONTACT, PIN, SIZE 20	
S280W555-751	2	TERMINAL MODULE	
CTA-0165	3	CONTACT, SOCKET, SIZE 20	
CTA-0166	2	CONTACT, PIN, SIZE 20	
280A3157-104W	1	WIRE LIST	
280A3157-10401	1	ID SLEEVE - DIODE	
280A3157-10402	1	ID SLEEVE - DIODE	

KIT 280A3157-104W			
New Part Number	**QTY**	**Name**	**Notes**
BMS13-48T10C01G022	1	WIRE	

KIT 280A3157-105			
New Part Number	**QTY**	**Name**	**Notes**
BACC47EF1	6	CONTACT, PIN	
D436-37	2	SPLICE	
CTA-0165	6	CONTACT, SOCKET, SIZE 20	
280A3157-105W	1	WIRE LIST	
280A3157-10502	1	ID SLEEVE - SPLICE	
280A3157-10501	1	ID SLEEVE - SPLICE	

KIT 280A3157-105W			
New Part Number	**QTY**	**Name**	**Notes**
BMS13-48T10C01G022	1	WIRE	

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KIT 280A3157-107			
New Part Number	**QTY**	**Name**	**Notes**
BACC45FT16-24P7	1	CONNECTOR, ELECTRICAL, PLUG, STRAIGHT, BAYONET COUPLING	
BACC47CN1S	4	CONTACT, PIN	
BACC47CP1S	2	CONTACT, SOCKET	
MS27488-20-1	12	PLUG	
D436-37	2	SPLICE	
P209553D	2	CONTACT	
280A3157-107W	1	WIRE LIST	
280A3157-10703	1	ID TAPE - CONNECTOR	
280A3157-10701	1	ID SLEEVE - SPLICE	
280A3157-10702	1	ID SLEEVE - SPLICE	

KIT 280A3157-107W			
New Part Number	**QTY**	**Name**	**Notes**
BMS13-48T10C01G022	1	WIRE	

KIT 280A3157-108			
New Part Number	**QTY**	**Name**	**Notes**
BACC47CN1S	7	CONTACT, PIN	
BACC47CP1S	6	CONTACT, SOCKET	
280A3157-108W	1	WIRE LIST	

KIT 280A3157-108W			
New Part Number	**QTY**	**Name**	**Notes**
BMS13-48T10C01G022	1	WIRE	

KIT 280A3157-109			
New Part Number	**QTY**	**Name**	**Notes**
D436-37	1	SPLICE	
CTA-0165	2	CONTACT, SOCKET, SIZE 20	
280A3157-109W	1	WIRE LIST	
280A3157-10901	1	ID SLEEVE - SPLICE	

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KIT 280A3157-109W			
New Part Number	**QTY**	**Name**	**Notes**
BMS13-48T10C01G022	1	WIRE	

KIT 280A3157-110			
New Part Number	**QTY**	**Name**	**Notes**
BACC45FT16-24P9	1	CONNECTOR, ELECTRICAL, PLUG, STRAIGHT, BAYONET COUPLING	
BACC47CN1S	7	CONTACT, PIN	
BACC47CP1S	6	CONTACT, SOCKET	
S280W555-104	2	TERMINAL MODULE	
MS27488-20-1	43	PLUG	
S280W555-920	41	CONTACT, PIN, SIZE 20	
S280W555-751	2	TERMINAL MODULE	
280A3157-110W	1	WIRE LIST	
280A3157-11001	1	ID TAPE - CONNECTOR	
280A3157-11003	1	ID SLEEVE - DIODE	
280A3157-11002	1	ID SLEEVE - DIODE	

KIT 280A3157-110W			
New Part Number	**QTY**	**Name**	**Notes**
BMS13-48T10C01G022	1	WIRE	
BMS13-58T1C1G22	1	WIRE	

KIT 280A3157-111			
New Part Number	**QTY**	**Name**	**Notes**
BACC45FT16-24P9	1	CONNECTOR, ELECTRICAL, PLUG, STRAIGHT, BAYONET COUPLING	
BACC47CN1S	7	CONTACT, PIN	
BACC47CP1S	6	CONTACT, SOCKET	
S280W555-104	2	TERMINAL MODULE	
MS27488-20-1	43	PLUG	
S280W555-920	4	CONTACT, PIN, SIZE 20	
S280W555-751	1	TERMINAL MODULE	
280A3157-111W	1	WIRE LIST	

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KIT 280A3157-111			
New Part Number	**QTY**	**Name**	**Notes**
280A3157-11101	1	ID TAPE - CONNECTOR	
280A3157-11103	1	ID SLEEVE - DIODE	
280A3157-11102	1	ID SLEEVE - DIODE	

KIT 280A3157-111W			
New Part Number	**QTY**	**Name**	**Notes**
BMS13-48T10C01G022	1	WIRE	

KIT 280A3157-112			
New Part Number	**QTY**	**Name**	**Notes**
S280W555-920	3	CONTACT, PIN, SIZE 20	
CTA-0166	3	CONTACT, PIN, SIZE 20	
280A3157-112W	1	WIRE LIST	

KIT 280A3157-112W			
New Part Number	**QTY**	**Name**	**Notes**
BMS13-48T10C01G022	1	WIRE	

KIT 280A3157-113			
New Part Number	**QTY**	**Name**	**Notes**
BACC47CP1S	3	CONTACT, SOCKET	
D436-37	2	SPLICE	
280A3157-113W	1	WIRE LIST	
280A3157-11301	1	ID SLEEVE - SPLICE	
280A3157-11302	1	ID SLEEVE - SPLICE	

KIT 280A3157-113W			
New Part Number	**QTY**	**Name**	**Notes**
BMS13-48T10C01G022	1	WIRE	

KIT 280A3157-114			
New Part Number	**QTY**	**Name**	**Notes**
BACC47CP1S	3	CONTACT, SOCKET	
280A3157-114W	1	WIRE LIST	

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KIT 280A3157-114W			
New Part Number	**QTY**	**Name**	**Notes**
BMS13-58T1C1G22	1	WIRE	

KIT 280A3157-115			
New Part Number	**QTY**	**Name**	**Notes**
D436-37	1	SPLICE	
CTA-0165	2	CONTACT, SOCKET, SIZE 20	
280A3157-115W	1	WIRE LIST	
280A3157-11501	1	ID SLEEVE - SPLICE	

KIT 280A3157-115W			
New Part Number	**QTY**	**Name**	**Notes**
BMS13-48T10C01G022	1	WIRE	

KIT 280A3157-116			
New Part Number	**QTY**	**Name**	**Notes**
CTA-0166	6	CONTACT, PIN, SIZE 20	
280A3157-116W	1	WIRE LIST	

KIT 280A3157-116W			
New Part Number	**QTY**	**Name**	**Notes**
BMS13-48T10C01G022	1	WIRE	

KIT 280A3157-117			
New Part Number	**QTY**	**Name**	**Notes**
BACC47CN1S	9	CONTACT, PIN	
BACC47CP1S	6	CONTACT, SOCKET	
280A3157-117W	1	WIRE LIST	

KIT 280A3157-117W			
New Part Number	**QTY**	**Name**	**Notes**
BMS13-48T10C01G022	1	WIRE	

2. Parts and Materials Supplied by the Operator

   The parts shown below are changed as shown in this service bulletin. The quantity (QTY) is the number of parts changed on each airplane.

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Part Number / Specification	QTY	Name	Notes
233A3201-( )	1	MODULE ASSY - WIN-DOW/PITOT HEAT, P005-9	(a) (b)
(a) Refer to BAE service bulletin 233A3201-30-02.			
(b) BAE Systems Controls Inc. (Cage Code 89954), 600 Main Street, Johnson City, NY 13790-1806, USA.			

3. Parts Modified and Reidentified

The parts shown below are changed as shown in this service bulletin. The quantity (QTY) is the number of parts changed on each airplane.

P5-9 OVERHEAD INSTRUMENT PANEL			
ORIGINAL PART NUMBER	**QTY**	**NEW PART NUMBER**	**NOTES**
233A3201-2	1	233A3201-302	(a) (b) (c)
233A3201-5	1	233A3201-305	(a) (b) (c)
233A3201-6	1	233A3201-306	(a) (b) (c)
233A3201-7	1	233A3201-307	(a) (b) (c)
233A3201-9	1	233A3201-309	(a) (b) (c)
233A3201-11	1	233A3201-311	(a) (b) (c)
233A3201-12	1	233A3201-312	(a) (b) (c)
233A3201-13	1	233A3201-313	(a) (b) (c)
(a) Refer to BAE service bulletin 233A3201-30-02.			
(b) BAE Systems Controls Inc. (Cage Code 89954), 600 Main Street, Johnson City, NY 13790-1806, USA.			
(c) The P5-9 module may be modified to the required configuration (with AUTO and ON pitot heat switch positions) after removal. Refer to BAE Service Bulletin 233A3201-30-02 as an accepted procedure for modifying the module to the new part number 233A3201-( ) configuration.			

4. Parts Removed and Not Replaced

None.

D. Parts Necessary to Change Spares

To get the parts shown below, refer to Paragraph 2.A., Material - Price and Availability.

PART NUMBER	NAME
233A3201-302	MODULE ASSY - WINDOW/PITOT HEAT, P005-9.
233A3201-305	MODULE ASSY - WINDOW/PITOT HEAT, P005-9.

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PART NUMBER	NAME
233A3201-306	MODULE ASSY - WINDOW/PITOT HEAT, P005-9.
233A3201-307	MODULE ASSY - WINDOW/PITOT HEAT, P005-9.
233A3201-309	MODULE ASSY - WINDOW/PITOT HEAT, P005-9.
233A3201-311	MODULE ASSY - WINDOW/PITOT HEAT, P005-9.
233A3201-312	MODULE ASSY - WINDOW/PITOT HEAT, P005-9.
233A3201-313	MODULE ASSY - WINDOW/PITOT HEAT, P005-9.

E. Special Tooling - Price and Availability

None.

F. Special Tooling Necessary to do this Service Bulletin

No special tools or equipment are necessary to do the change in this service bulletin. But, maintenance and overhaul tools in the manuals given in Paragraph 1.J., References, can be necessary. Examine operator tool supply to make sure all necessary tools are available.

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3. ACCOMPLISHMENT INSTRUCTIONS

A. GENERAL INFORMATION

CAUTION: KEEP THE WORK AREA, WIRES AND ELECTRICAL BUNDLES CLEAN OF METAL PARTICLES OR CONTAMINATION WHEN YOU USE TOOLS. UNWANTED MATERIAL, METAL PARTICLES OR CONTAMINATION CAUGHT IN WIRE BUNDLES CAN CAUSE DAMAGE TO THE BUNDLES. DAMAGED WIRE BUNDLES CAN CAUSE SPARKS OR OTHER ELECTRICAL DAMAGE.

NOTE:

1. Manual titles are referred to by acronyms. Refer to Paragraph 1.J., References, for definition of the acronyms.

2. Obey all of the warnings and cautions given in the specified manual sections.

3. The work instructions are divided into work packages. Task Hours and Elapsed Hours for each package are given in Paragraph 1.G., Manpower. You can do each work package independently.

4. Unless shown differently, these dimensions and tolerances are used:

   – Linear dimensions are in inches
   – Tolerance on linear dimensions, other than rivet and bolt edge margins, is plus or minus 0.03 inch
   – Tolerance on rivet and bolt edge margin is plus or minus 0.05 inch
   – Angular tolerance is plus or minus 2 degrees
   – Hole dimensions for standard solid rivets and fasteners are in Structural Repair Manual (SRM) Chapter 51
   – Torque limits to tighten nuts and bolts are in SRM Chapter 51

5. Use the approved fastener and process material substitutions in accordance with SRM Chapter 51.

6. Refer to the SWPM 20-10-11 and SWPM 20-10-12 for the wire installation procedures, and SWPM 20-10-19 for the wire separation requirements, as accepted procedures.

7. The necessary conditions for selection of clamp type and size are included in SWPM 20-10-12. If any wire bundle support clamp specified in this service bulletin does not make a correct fit on the wire bundle, refer to SWPM 20-10-12 as an accepted procedure to select a clamp that fits correctly.

8. If the length of any fastener specified in this service bulletin does not meet installation standards given in SRM Chapter 51, then a fastener of the same specification, or an approved substitute, with a length which meets the installation standards given in SRM Chapter 51 may be used. In addition, washers may be installed for fastener grip length in accordance with SRM Chapter 51.

9. A Detailed Inspection is defined as: An intensive examination of a specific item, installation, or assembly to detect damage, failure, or irregularity. Available lighting is normally supplemented with a direct source of good lighting at an intensity deemed appropriate. Inspection aids such as mirrors, magnifying lenses, etc. may be necessary. Surface cleaning and elaborate procedures may be required.

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10. A General Visual Inspection is defined as: A visual examination of an interior or exterior area, installation or assembly to detect obvious damage, failure or irregularity. This level of inspection is made from within touching distance unless otherwise specified. A mirror may be necessary to enhance visual access to all exposed surfaces in the inspection area. This level of inspection is made under normally available lighting conditions such as daylight, hangar lighting, flashlight or drop-light and may require removal or opening of access panels or doors. Stands, ladders or platforms may be required to gain proximity to the area being checked.

11. These work instructions refer to procedures included in other Boeing documents. When the words "refer to" are used and the operator has an accepted alternative procedure, the accepted alternative procedure can be used. When the words "in accordance with" are included in the instruction, the procedure in the Boeing document must be used.

12. The instructions in Paragraph 3.B., Work Instructions and the figures can include operation of tools or test equipment. Boeing Engineering Tool Drawings, the Illustrated Tool and Equipment Manual, and the Special Tool and Ground Handling Drawing Index contain data on versions of the tools or test equipment that you can use. It is permitted to use replaced tools. It is not permitted to use superseded tools.

13. If it is necessary to remove more parts for access, you can remove those parts. If you can get access without removing identified parts, it is not necessary to remove all of the identified parts. Jacking and shoring limitations must be observed.

14. Where the work instructions include installation of a kept part, a new or serviceable part with the same part number can be installed as an alternative to the kept part. The removed part can be discarded if a new or serviceable part is installed.

15. This service bulletin includes functional test procedures for the systems changed by this service bulletin. More functional tests can possibly be necessary in accordance with standard maintenance practices because of interruption to other airplane systems.

16. Some Boeing parts are supplied in a temporary configuration. Those parts are identified with a 'U', 'W', or 'Y' in place of the '-' (dash) in the part number. It is permitted to install parts identified with a 'U', 'W', or 'Y' as an alternative to the '-' (dash) part number. Boeing Drawing 005W0900 contains more data.

B. WORK INSTRUCTIONS

1. Remove electrical power from the airplane. Refer to 737-600/700/800/900 AMM 24-22-00 as an accepted procedure.

2. Replace the P5-9 window/pitot heat module, in accordance with FIGURE 1.

3. Install the circuit breakers at the P18-3 circuit breaker panel, in accordance with FIGURE 2.

4. **Group 1-2, 9-10, 12:**
Install the inserts and relays on the P18 side wall, in accordance with FIGURE 3 and FIGURE 4.

5. **Group 3-5, 8:**
Replace the stanchion inside the P18, in accordance with FIGURE 5 and FIGURE 6.

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6. **Group 3-8, 11, 13-14:**
   Install the relay bracket and relays inside the P18, in accordance with FIGURE 7.

7. **Group 3, 6, 8, 13:**
   Change the wire bundles, W0018 and W0020, in accordance with FIGURE 8 and FIGURE 9.

8. **Group 1, 12:**
   Change the wire bundles, W0018 and W0020, in accordance with FIGURE 8 and FIGURE 10.

9. **Group 4-5, 7, 11:**
   Change the wire bundles, W0018 and W0020, in accordance with FIGURE 11 and FIGURE 12.

10. **Group 2, 9:**
    Change the wire bundles, W0018 and W0020, in accordance with FIGURE 11 and FIGURE 13.

11. **Group 10:**
    Change the wire bundles, W0018 and W0020, in accordance with FIGURE 14 and FIGURE 39.

12. **Group 14:**
    Change the wire bundles, W0018 and W0020, in accordance with FIGURE 14 and FIGURE 15.

13. Change the wire bundle, W0220, in accordance with FIGURE 16 and FIGURE 17.

14. Change the wire bundles, W0311 and W0313, in accordance with FIGURE 18 and FIGURE 19.

15. **Group 10, 14:**
    Change the wire bundle, W2112, in accordance with FIGURE 20 and FIGURE 25.

16. **Group 10, 14:**
    Change the wire bundle, W2114, in accordance with FIGURE 21 and FIGURE 25.

17. **Group 10, 14:**
    Change the wire bundle, W5158, in accordance with FIGURE 22 and FIGURE 25.

18. **Group 10, 14:**
    Change the wire bundle, W5510, in accordance with FIGURE 23 and FIGURE 25.

19. **Group 10, 14:**
    Change the wire bundle, W2212, in accordance with FIGURE 24 and FIGURE 25.

20. **Group 1-9, 11, 13:**
    Change the wire bundle, W2212, in accordance with FIGURE 26 and FIGURE 27.

21. **Group 1, 3, 6, 12-13:**
    Change the wire bundle, W2218, in accordance with FIGURE 28 and FIGURE 30.

22. **Group 2, 4, 7-8, 10, 14:**
    Change the wire bundle, W2218, in accordance with FIGURE 29 and FIGURE 30.

23. Change the wire bundle, W5310, in accordance with FIGURE 31 and FIGURE 32.

24. Change the wire bundle, W2237, in accordance with FIGURE 33 and FIGURE 34.

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25. **Group 1-4, 6-7, 10, 14:**
    Change the wire bundle, W3381, in accordance with FIGURE 35 and FIGURE 36.

26. **Group 5, 8-9, 11-13:**
    Change the wire bundle, W6134, in accordance with FIGURE 37 and FIGURE 38.

27. Restore the electrical power to the airplane. Refer to 737-600/700/800/900 AMM 24-22-00 as an accepted procedure.

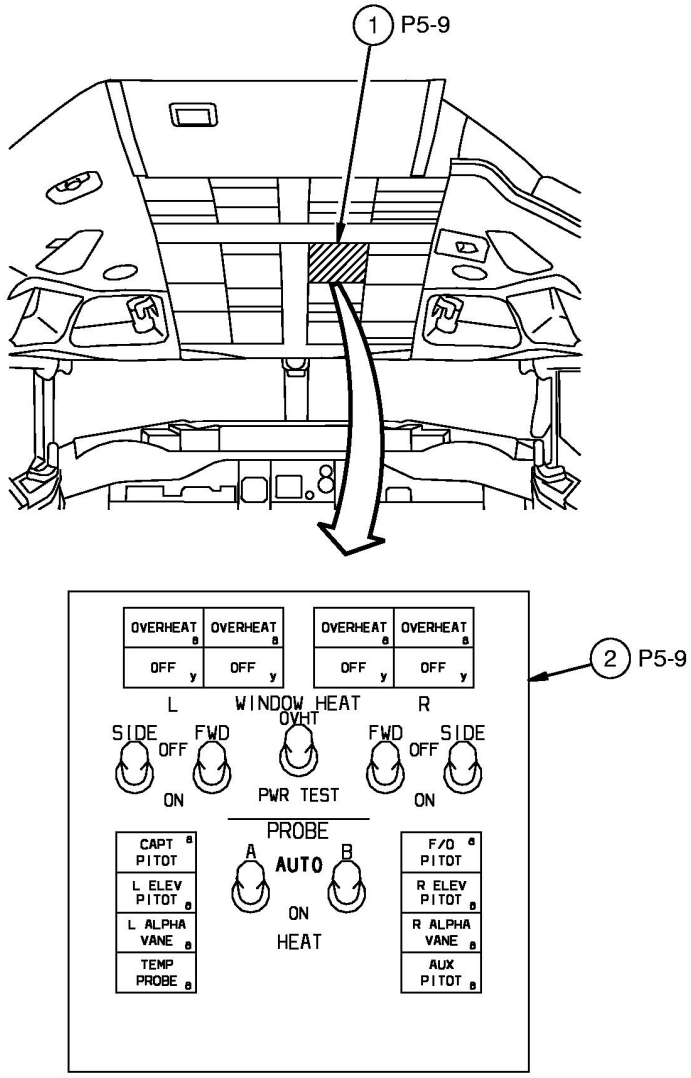
28. Do an operational test of the Lavatory-Occupied Sign test. Refer to 737-600/700/800/900 AMM 33-26-03 as an accepted procedure.

29. Do an installation test of the Window/Pitot Heat Module (P5-9). Refer to 737-600/700/800/900 AMM 30-41-41 as an accepted procedure.

30. Do an operational test of the Air Data Sensor Anti-Icing System. Refer to 737-600/700/800/900 AMM 30-31-00 as an accepted procedure.

31. Put the airplane back to a serviceable condition.

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(TYPICAL CONFIGURATION SHOWN - CONFIGURATION MAY VARY)

The step numbers shown below agree with the numbers shown in the circle symbols in the figure. The QTY numbers shown below are the number of parts necessary for one airplane.

FIGURE 1: REPLACEMENT OF THE P5-9 WINDOW/PITOT HEAT MODULE (SHEET 1 OF 2)

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Step	Task	Name	Identification	Qty	More Data
1	Remove	P5-9 WINDOW/PITOT HEAT MODULE	233A3201-2 OR	1	(a) (b)
	Remove	P5-9 WINDOW/PITOT HEAT MODULE	233A3201-5 OR	1	(a) (b)
	Remove	P5-9 WINDOW/PITOT HEAT MODULE	233A3201-6 OR	1	(a) (b)
	Remove	P5-9 WINDOW/PITOT HEAT MODULE	233A3201-7 OR	1	(a) (b)
	Remove	P5-9 WINDOW/PITOT HEAT MODULE	233A3201-9 OR	1	(a) (b)
	Remove	P5-9 WINDOW/PITOT HEAT MODULE	233A3201-11 OR	1	(a) (b)
	Remove	P5-9 WINDOW/PITOT HEAT MODULE	233A3201-12 OR	1	(a) (b)
	Remove	P5-9 WINDOW/PITOT HEAT MODULE	233A3201-13	1	(a) (b)
2	Install (New)	P5-9 WINDOW/PITOT HEAT MODULE	233A3201-302 OR	1	(a) (b) (c)
	Install (New)	P5-9 WINDOW/PITOT HEAT MODULE	233A3201-305 OR	1	(a) (b) (c)
	Install (New)	P5-9 WINDOW/PITOT HEAT MODULE	233A3201-306 OR	1	(a) (b) (c)
	Install (New)	P5-9 WINDOW/PITOT HEAT MODULE	233A3201-307 OR	1	(a) (b) (c)
	Install (New)	P5-9 WINDOW/PITOT HEAT MODULE	233A3201-309 OR	1	(a) (b) (c)
	Install (New)	P5-9 WINDOW/PITOT HEAT MODULE	233A3201-311 OR	1	(a) (b) (c)
	Install (New)	P5-9 WINDOW/PITOT HEAT MODULE	233A3201-312 OR	1	(a) (b) (c)
	Install (New)	P5-9 WINDOW/PITOT HEAT MODULE	233A3201-313	1	(a) (b) (c)

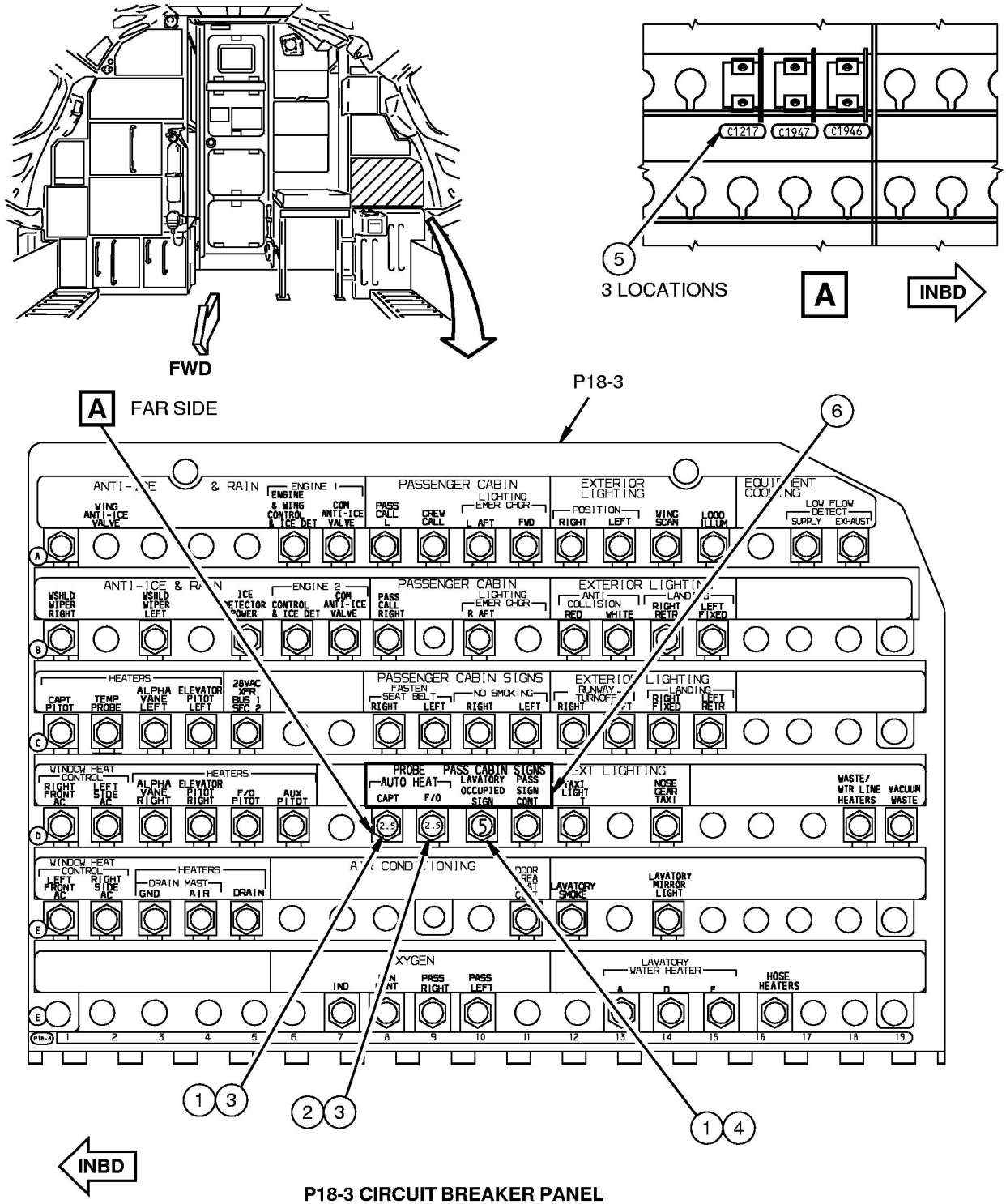
(a) Refer to 737-600/700/800/900 AMM 30-41-41 as an accepted procedure.

(b) The P5-9 module may be modified to the required configuration (with AUTO and ON pitot heat switch positions) after removal. Refer to BAE Service Bulletin 233A3201-30-02 as an accepted procedure for modifying the module to the new part number 233A3201-( ) configuration.

(c) This part is operator supplied.

FIGURE 1: REPLACEMENT OF THE P5-9 WINDOW/PITOT HEAT MODULE (SHEET 2 OF 2)

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P18-3 CIRCUIT BREAKER PANEL

2050690

The step numbers shown below agree with the numbers shown in the circle symbols in the figure. The QTY numbers shown below are the number of parts necessary for one airplane.

FIGURE 2: INSTALLATION OF THE CIRCUIT BREAKERS INSIDE P18 (SHEET 1 OF 2)

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STEP	TASK	NAME	IDENTIFICATION	QTY	MORE DATA
1	Remove	PLUG BUTTON	BACP20B63B OR 2646	2	At D8 and D10.
2	Remove / Keep	CIRCUIT BREAKER	BACC18AD5	1	At D9.
3	Install (New)	CIRCUIT BREAKER	BACC18AD2	2	At D8 and D9.
4	Install (Kept)	CIRCUIT BREAKER	BACC18AD5	1	At D10. This circuit breaker moved from D9.
5	Install (New)	TAPE, ID	BACT19J4	3	(a) (b)
6	Install (New)	OVERLAY MARKER, P18-3	233A5518-25	1	(c)
(a) Refer to SOPM 20-50-05 as an accepted procedure.					
(b) Remove the ID tape inscribed as "C1217" at D9. Inscribed as C1946 at D8, C1947 at D9 and C1217 at D10.					
(c) Locate the overlay marker, approximately as shown, over the existing Row D marker. Refer to SOPM 20-50-05 as an accepted procedure.					

FIGURE 2: INSTALLATION OF THE CIRCUIT BREAKERS INSIDE P18
(SHEET 2 OF 2)

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This Figure applies only to: Group 1-2, 9-10, 12.

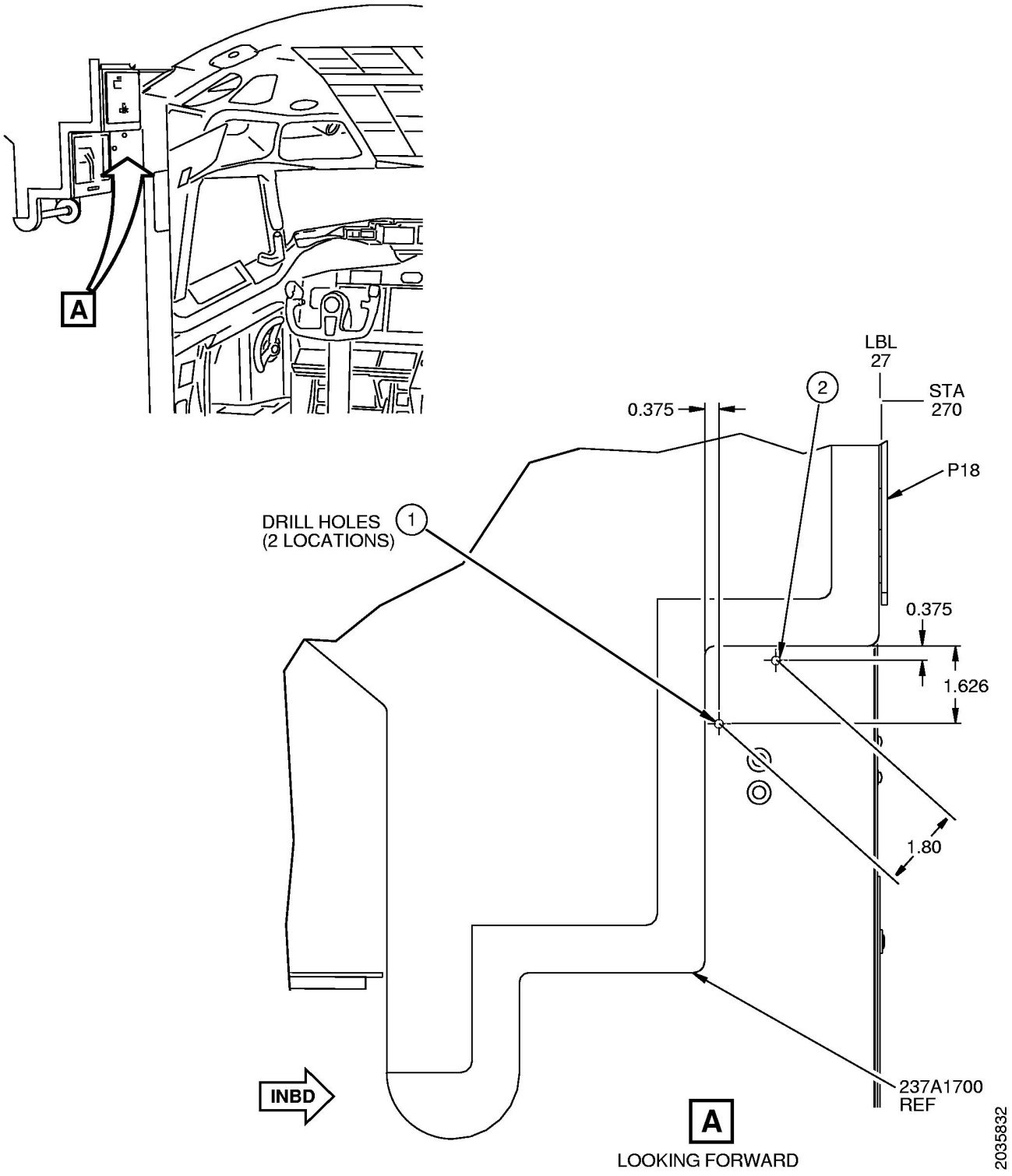


FIGURE 3: INSTALLATION OF THE INSERTS ON THE P18 SIDEWALL (SHEET 1 OF 2)

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The step numbers shown below agree with the numbers shown in the circle symbols in the figure. The QTY numbers shown below are the number of parts necessary for one airplane.

STEP	TASK	NAME	IDENTIFICATION	QTY	MORE DATA
1	Drill	Hole	-	2	Drill 0.561- 0.566 dia inch hole.
2	Install (New)	INSERT	NAS1834C3-250	2	(a)
(a) Refer to CMM 25-00-66 as an accepted procedure.					

FIGURE 3: INSTALLATION OF THE INSERTS ON THE P18 SIDEWALL (SHEET 2 OF 2)

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This Figure applies only to: Group 1-2, 9-10, 12.

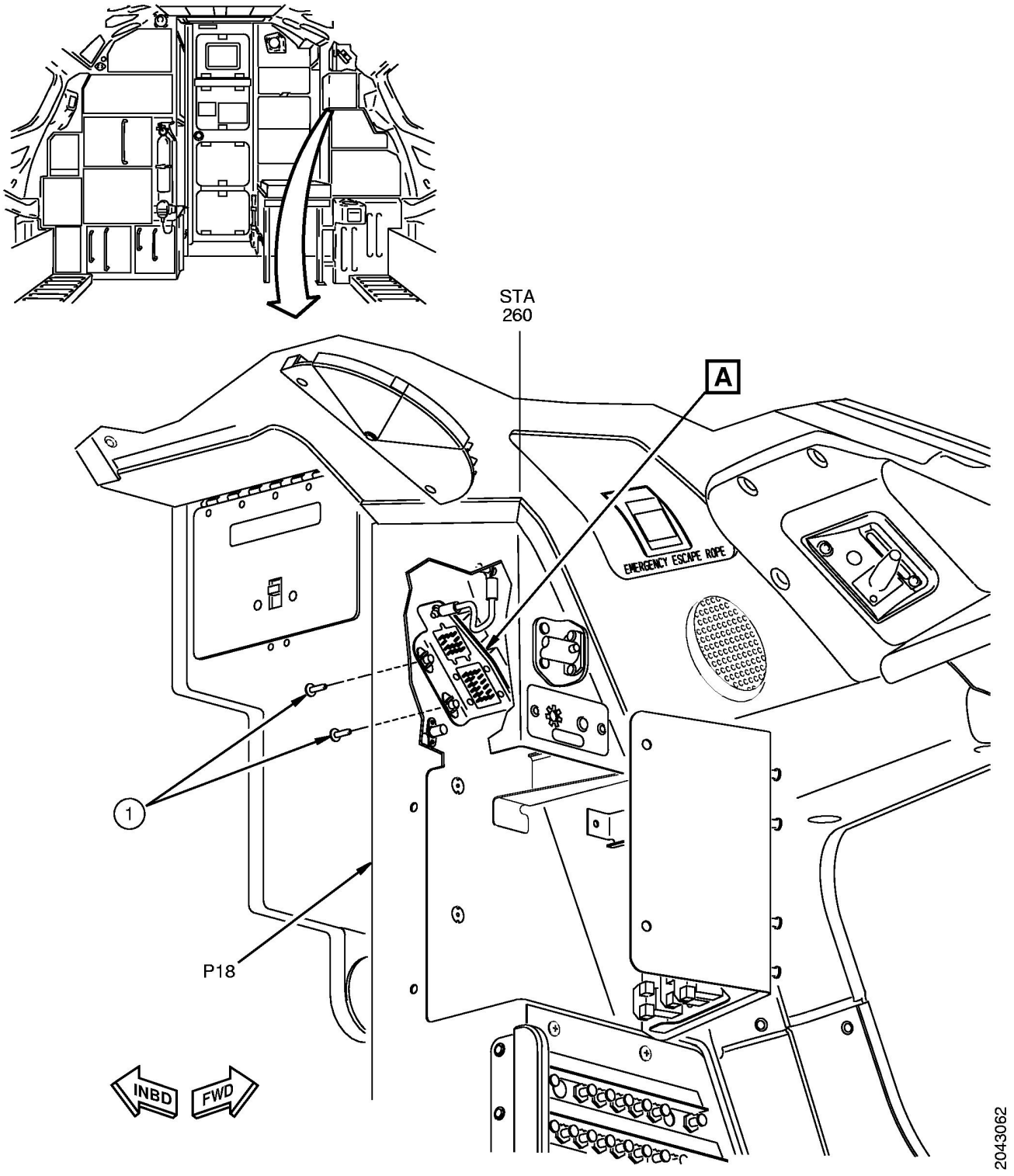


FIGURE 4: INSTALLATION OF THE BRACKET AND RELAYS ON THE P18 SIDEWALL (SHEET 1 OF 4)

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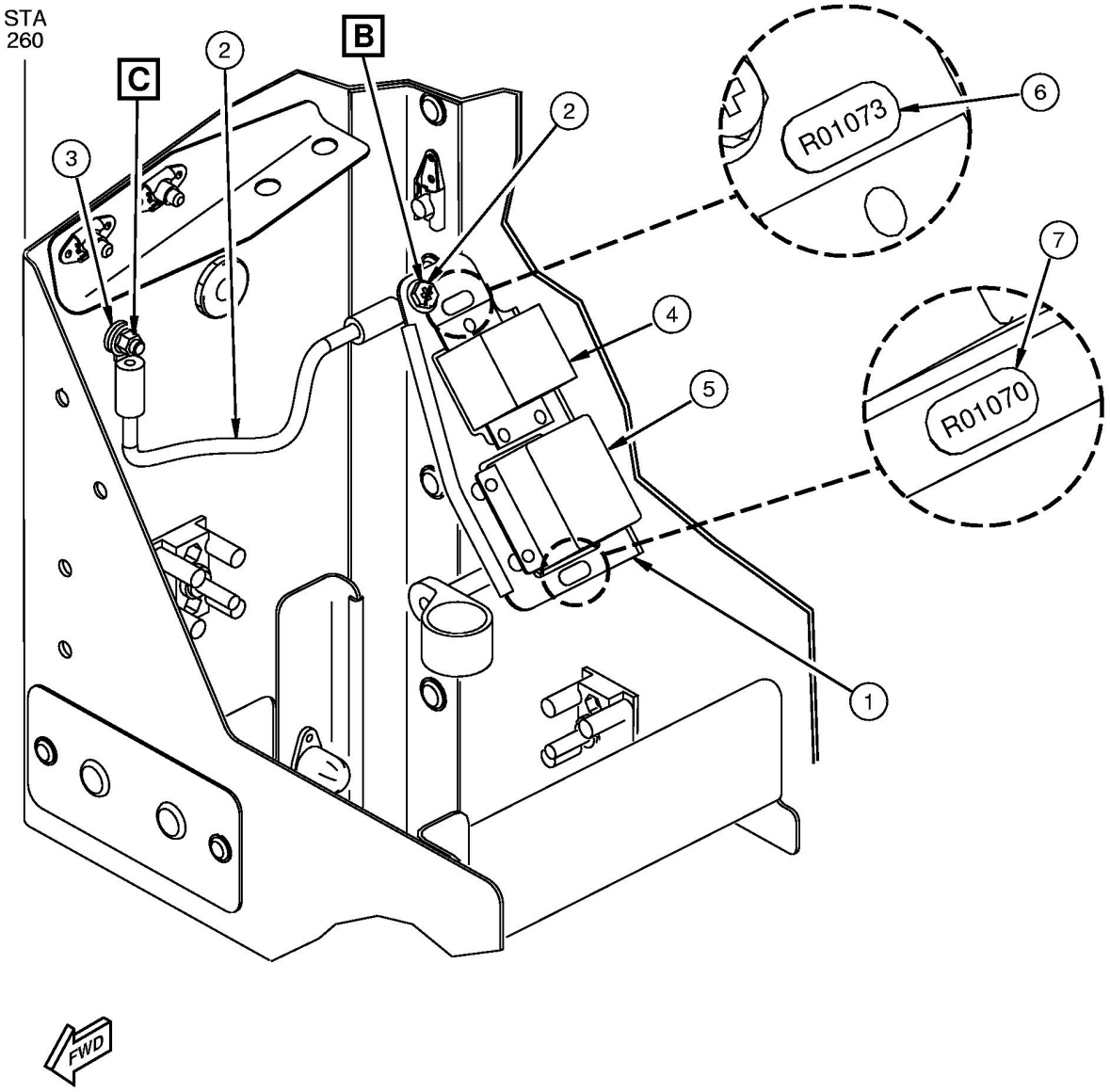
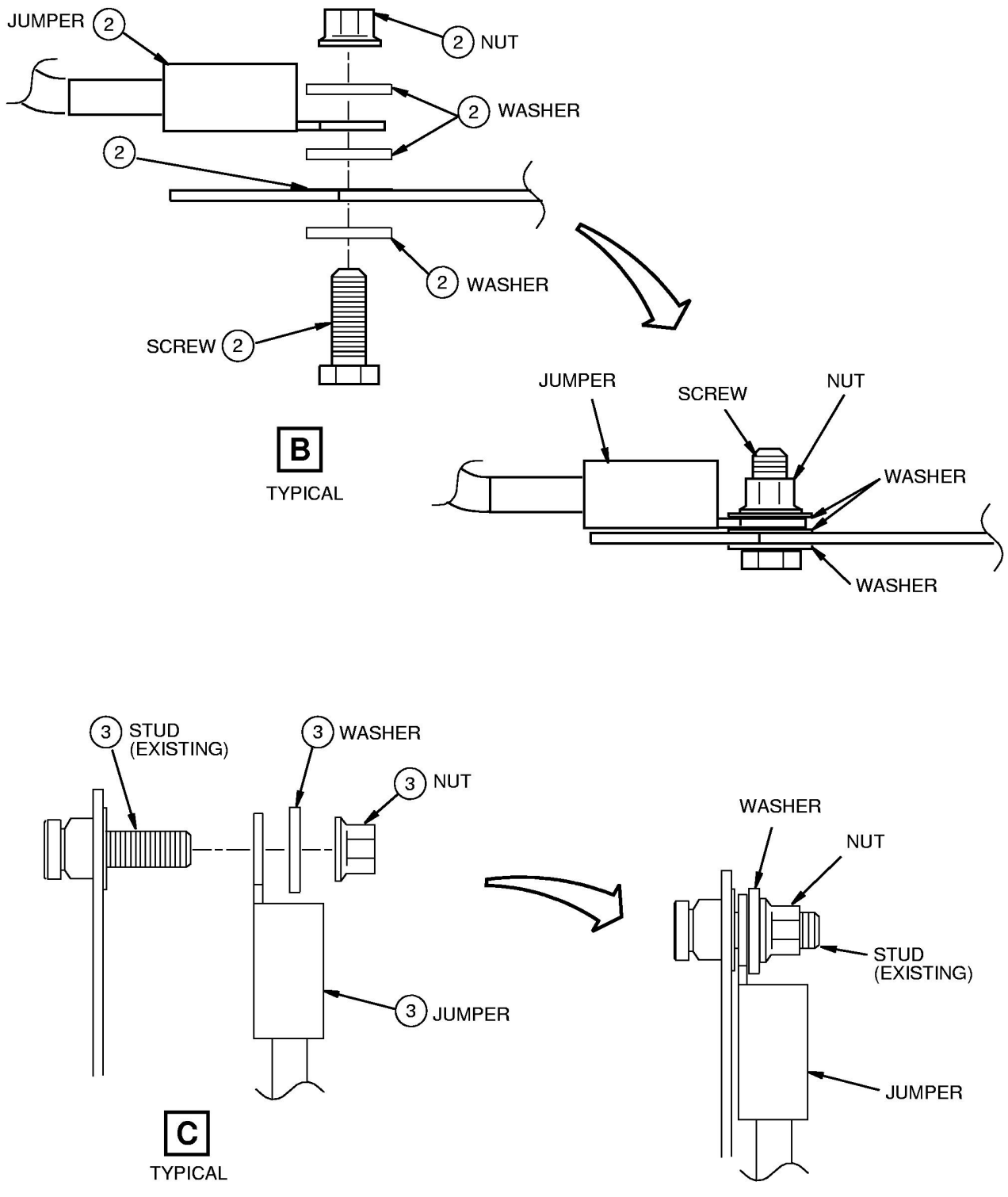


FIGURE 4: INSTALLATION OF THE BRACKET AND RELAYS ON THE P18 SIDEWALL (SHEET 2 OF 4)

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The step numbers shown below agree with the numbers shown in the circle symbols in the figure. The QTY numbers shown below are the number of parts necessary for one airplane.

FIGURE 4: INSTALLATION OF THE BRACKET AND RELAYS ON THE P18 SIDEWALL (SHEET 3 OF 4)

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STEP	TASK	NAME	IDENTIFICATION	QTY	MORE DATA
1	Install (New)	BRACKET ASSY - P18 EQUIPMENT	233A5513-4	1	
	Install (New)	SCREW, WASHER HEAD	BACS12FA3K11GR	2	
2	Clean	BRACKET ASSY - P18 EQUIPMENT	233A5513-4	1	For a clean electrical bond surface. (a)
	Install (New)	SCREW	BACS12GU3K8	1	
	Install (New)	WASHER	NAS1149D0316H	2	With one at each side of the bracket.
	Install (New)	BONDING JUMPER	BACJ40K5A5A7	1	(c)
	Install (New)	WASHER	NAS1149D0316H	1	
	Install (New)	NUT	BACN10YR3CD	1	
	Measure	BONDING JUMPER	BACJ40K5A5A7	1	Between the jumper lug and adjacent bracket surface. (c)
3	Clean	GROUND STUD	-	1	For a clean electrical bond surface. (a)
	Connect	BONDING JUMPER	BACJ40K5A5A7	1	(c)
	Install (New)	WASHER	NAS1149D0316H	1	
	Install (New)	NUT	BACN10YR3CD	1	
	Measure	BONDING JUMPER	BACJ40K5A5A7	1	Between the jumper lug and adjacent structure surface. (c)
4	Install (New)	RELAY	BACR13CG2AB	1	(d)
5	Install (New)	RELAY, 6PDT, 10 AMP	F600-D4NC	1	(d)
6	Install (New)	DECAL	BACT19J1	1	Locate the decal approximately as shown. (b)
7	Install (New)	DECAL	BACT19J1	1	Locate the decal approximately as shown. (b)

(a) Refer to SWPM 20-20-00 as an accepted procedure.

(b) Refer to SOPM 20-50-05 as an accepted procedure.

(c) The maximum electrical bonding resistance permitted between the Bonding Jumper Terminal Lug and support bracket is 0.001 Ohms (1.0 milliohms). Refer to SWPM 20-20-00 and SWPM 20-20-10 as accepted procedures.

(d) Refer to SWPM 20-81-22 as an accepted procedure.

FIGURE 4: INSTALLATION OF THE BRACKET AND RELAYS ON THE P18 SIDEWALL (SHEET 4 OF 4)

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This Figure applies only to: Group 3-5, 8.

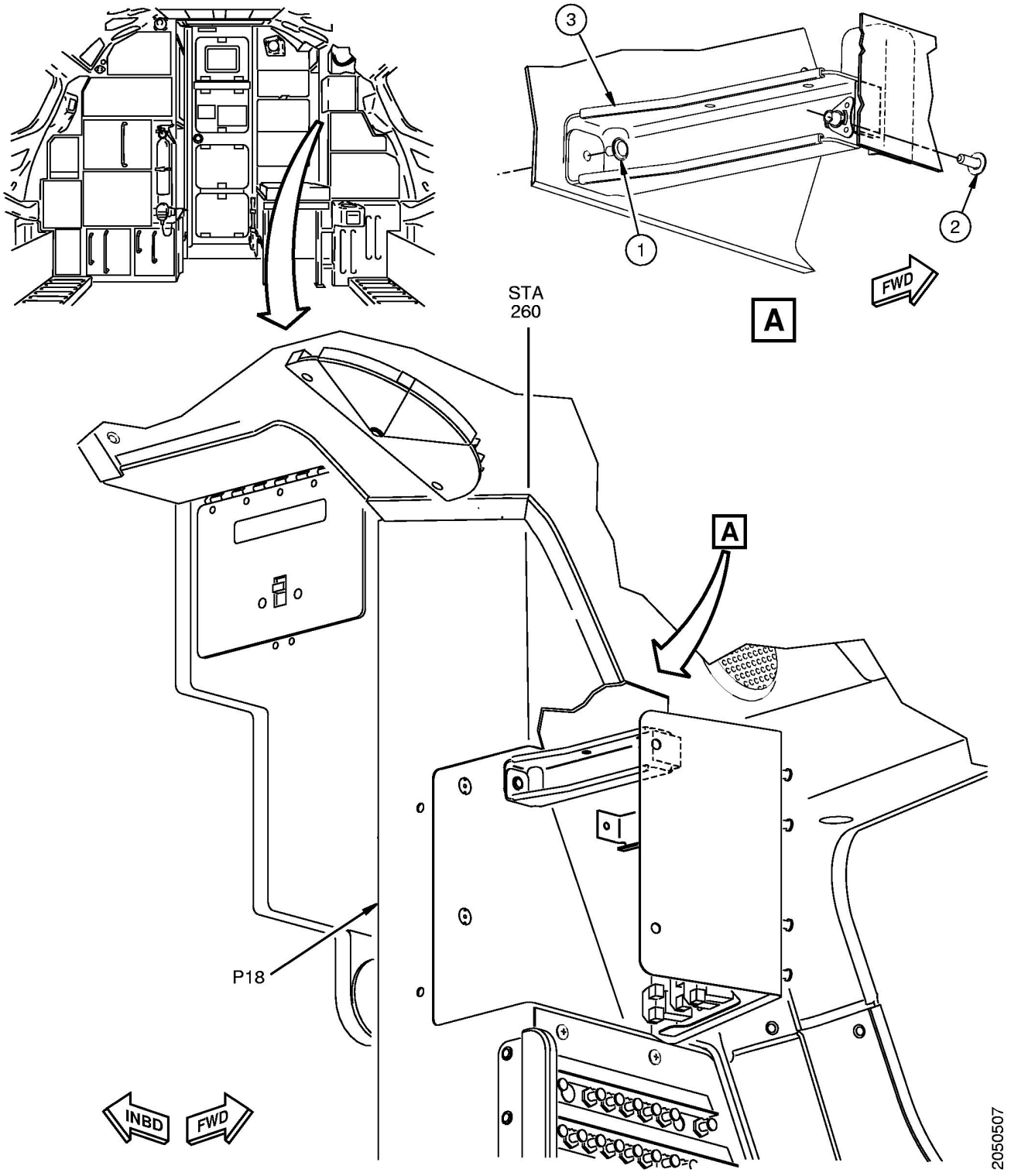


FIGURE 5: REMOVAL OF THE STANCHION INSIDE THE P18
(SHEET 1 OF 2)

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The step numbers shown below agree with the numbers shown in the circle symbols in the figure. The QTY numbers shown below are the number of parts necessary for one airplane.

STEP	TASK	NAME	IDENTIFICATION	QTY	MORE DATA
1	Remove	SCREW	BACS12FA3K5	1	
2	Remove	SCREW	BACS12FA3K8	1	
3	Remove	STANCHION	233A5624-( )	1	

FIGURE 5: REMOVAL OF THE STANCHION INSIDE THE P18
(SHEET 2 OF 2)

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This Figure applies only to: Group 3-5, 8.

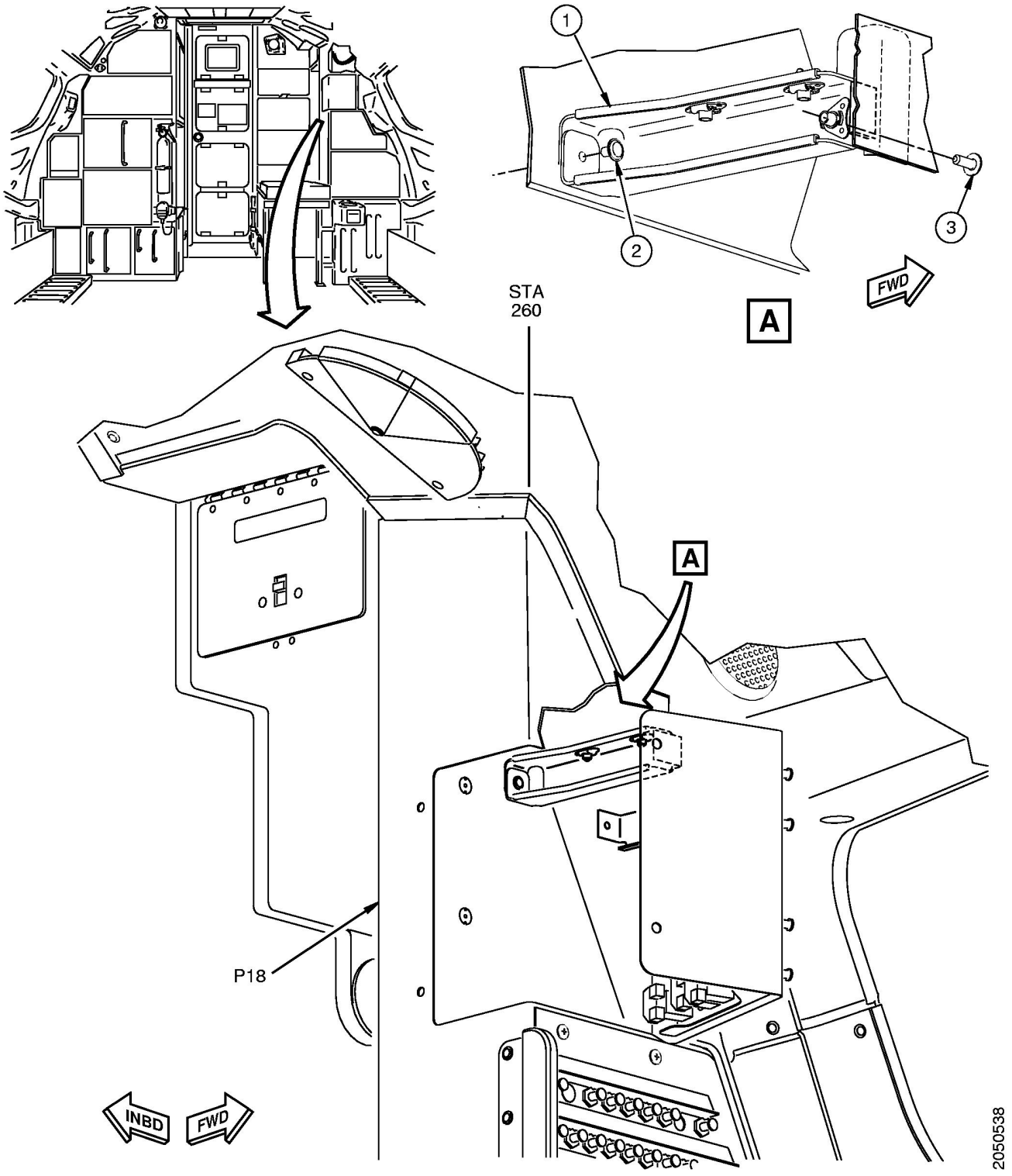


FIGURE 6: INSTALLATION OF THE STANCHION INSIDE THE P18
(SHEET 1 OF 2)

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The step numbers shown below agree with the numbers shown in the circle symbols in the figure. The QTY numbers shown below are the number of parts necessary for one airplane.

STEP	TASK	NAME	IDENTIFICATION	QTY	MORE DATA
1	Install (New)	STANCHION ASSY	233A5624-47	1	
2	Install (New)	FAIRING SCREWS	BACS12FA3K5	1	(a)
3	Install (New)	SCREW, WASHER HEAD	BACS12FA3K8	1	(a)
(a) The existing part, with good condition, can be used for this task.					

FIGURE 6: INSTALLATION OF THE STANCHION INSIDE THE P18 (SHEET 2 OF 2)

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This Figure applies only to: Group 3-8, 11, 13-14.

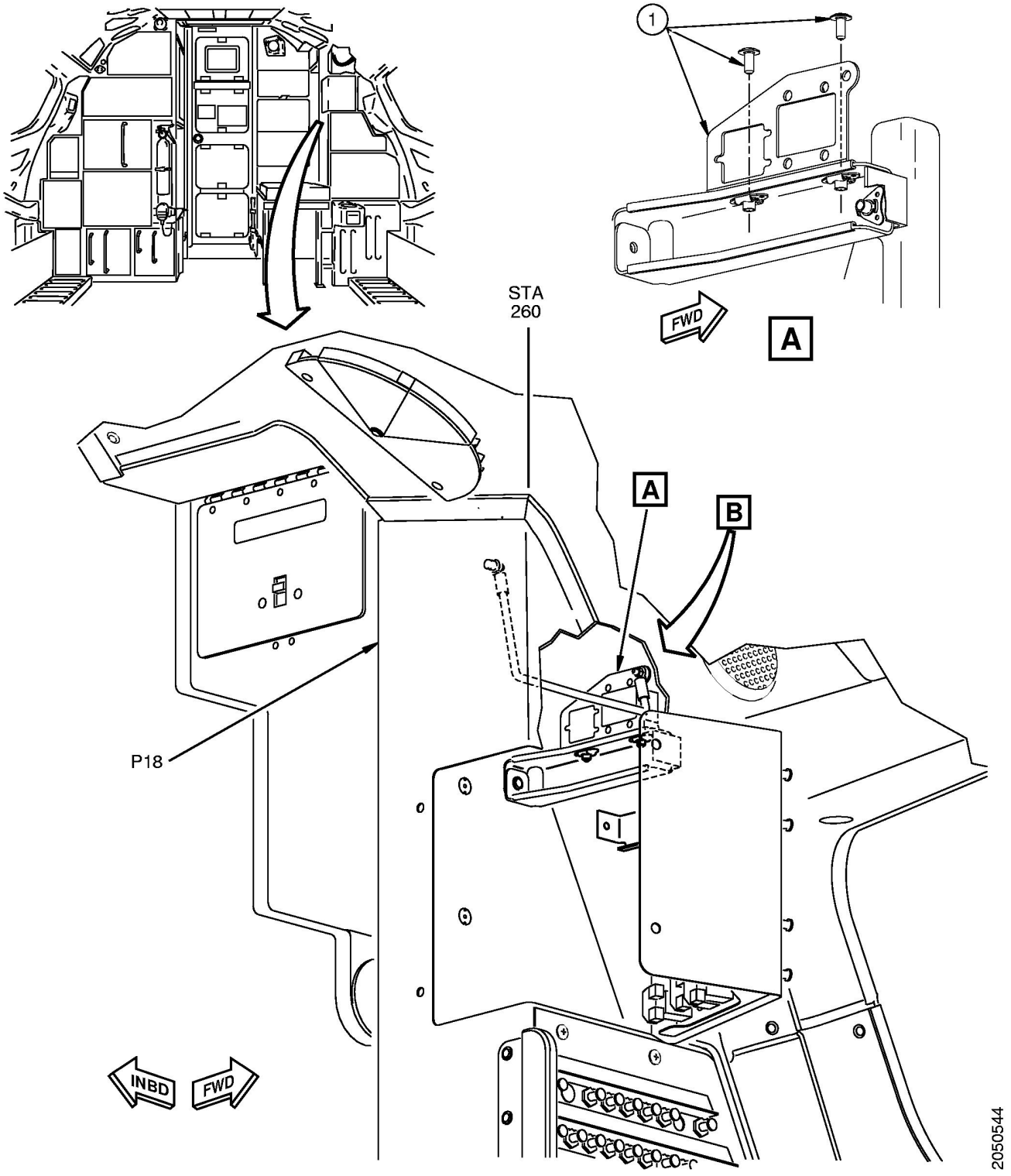


FIGURE 7: INSTALLATION OF THE BRACKET AND RELAYS ON THE P18 STANCHION (SHEET 1 OF 5)

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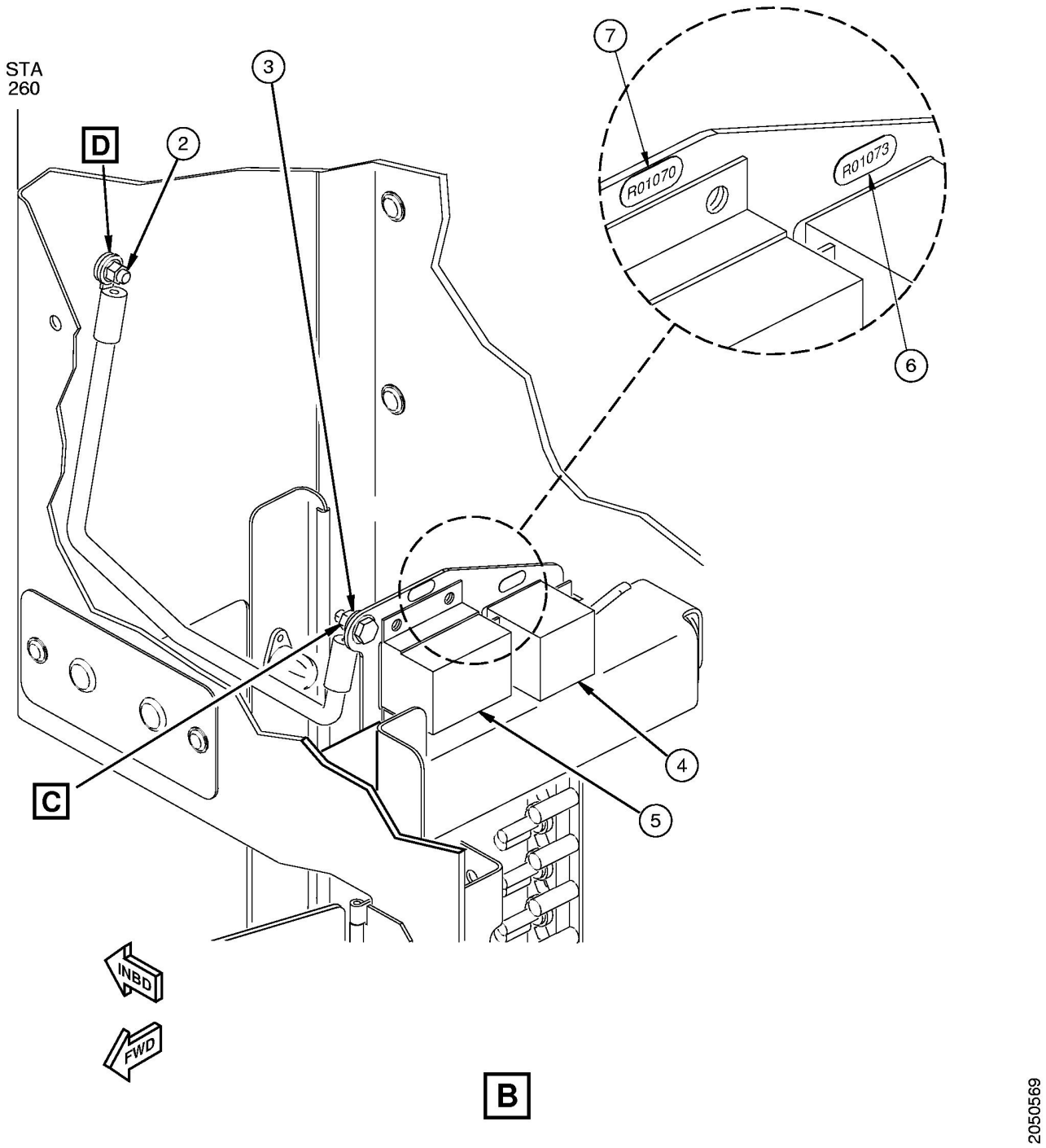
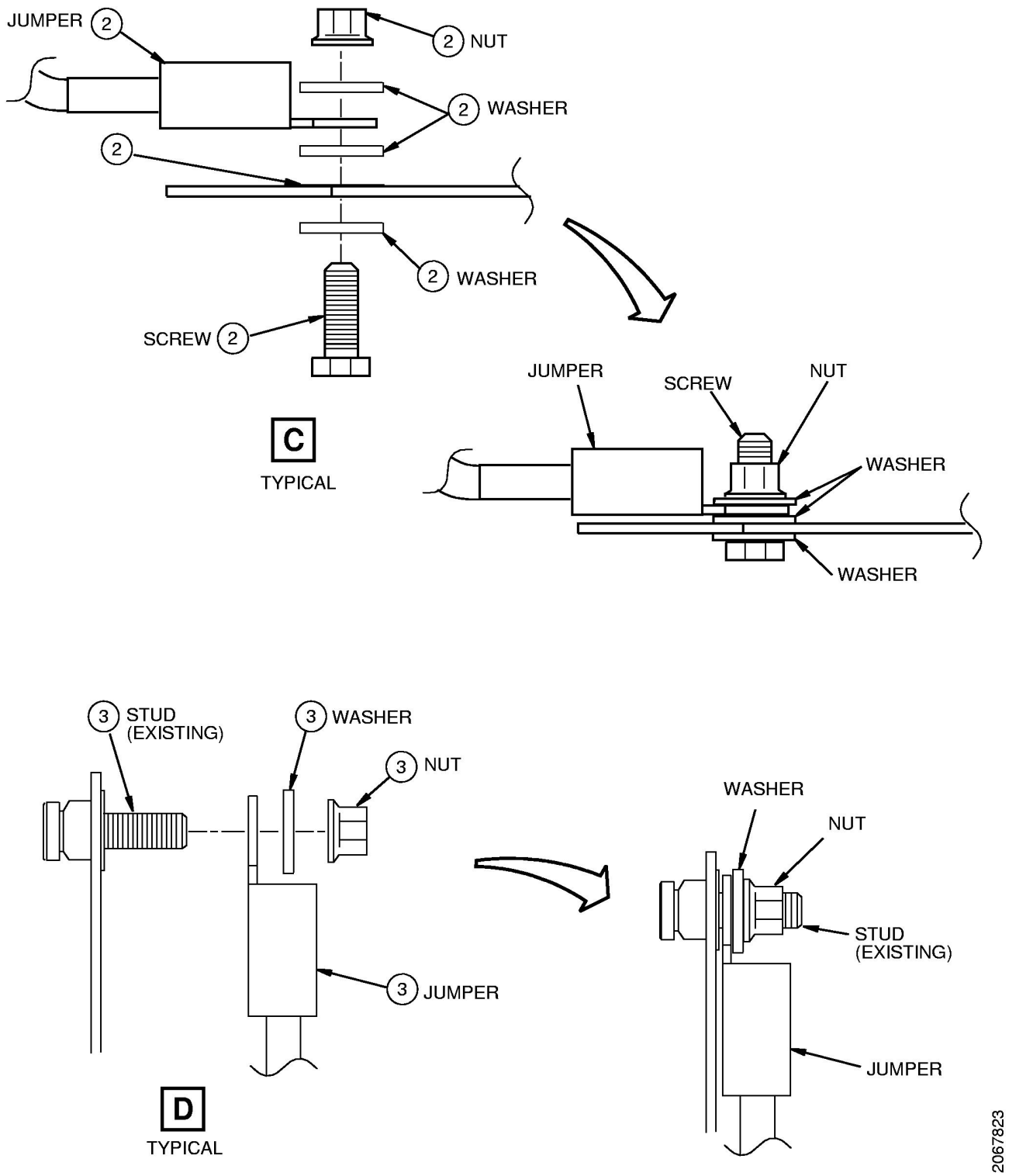


FIGURE 7: INSTALLATION OF THE BRACKET AND RELAYS ON THE P18 STANCHION (SHEET 2 OF 5)

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The step numbers shown below agree with the numbers shown in the circle symbols in the figure. The QTY numbers shown below are the number of parts necessary for one airplane.

FIGURE 7: INSTALLATION OF THE BRACKET AND RELAYS ON THE P18 STANCHION (SHEET 3 OF 5)

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STEP	TASK	NAME	IDENTIFICATION	QTY	MORE DATA
1	Install (New)	BRACKET - P18 EQUIPMENT SUP-PORT	233A5513-3	1	
	Install (New)	FAIRING SCREWS	BACS12FA3K7GR	2	
2	Clean	BRACKET - P18 EQUIPMENT SUP-PORT	233A5513-3	1	For a clean electrical bond surface. (a)
	Install (New)	SCREW	BACS12GU3K8	1	
	Install (New)	WASHER	NAS1149D0316H	2	With one at each side of the bracket.
	Install (New)	BONDING JUMPER	BACJ40K5A5A12	1	(c)
	Install (New)	WASHER	NAS1149D0316H	1	
	Install (New)	NUT	BACN10YR3CD	1	
	Measure	BONDING JUMPER	BACJ40K5A5A12	1	Between the jumper lug and adjacent bracket surface. (c)
3	Clean	GROUND STUD	-	1	For a clean electrical bond surface. (a)
	Connect	BONDING JUMPER	BACJ40K5A5A12	1	(c)
	Install (New)	WASHER	NAS1149D0316H	1	
	Install (New)	NUT	BACN10YR3CD	1	
	Measure	BONDING JUMPER	BACJ40K5A5A12	1	Between the jumper lug and adjacent structure surface. (c)
4	Install (New)	RELAY	BACR13CG2AB	1	(d)
5	Install (New)	RELAY, 6PDT, 10 AMP	F600-D4NC	1	(d)
6	Install (New)	DECAL	BACT19J1	1	Locate the decal approximately as shown. (b)
7	Install (New)	DECAL	BACT19J1	1	Locate the decal approximately as shown. (b)

(a) Refer to SWPM 20-20-00 as an accepted procedure.

(b) Refer to SOPM 20-50-05 as an accepted procedure.

(c) The maximum electrical bonding resistance permitted between the Bonding Jumper Terminal Lug and support bracket is 0.001 Ohms (1.0 milliohms). Refer to SWPM 20-20-00 and SWPM 20-20-10 as accepted procedures.

FIGURE 7: INSTALLATION OF THE BRACKET AND RELAYS ON THE P18 STANCHION (SHEET 4 OF 5)

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STEP	TASK	NAME	IDENTIFICATION	QTY	MORE DATA
(d) Refer to SWPM 20-81-22 as an accepted procedure.					

FIGURE 7: INSTALLATION OF THE BRACKET AND RELAYS ON THE P18 STANCHION (SHEET 5 OF 5)

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This Figure applies only to: Group 1, 3, 6, 8, 12-13.

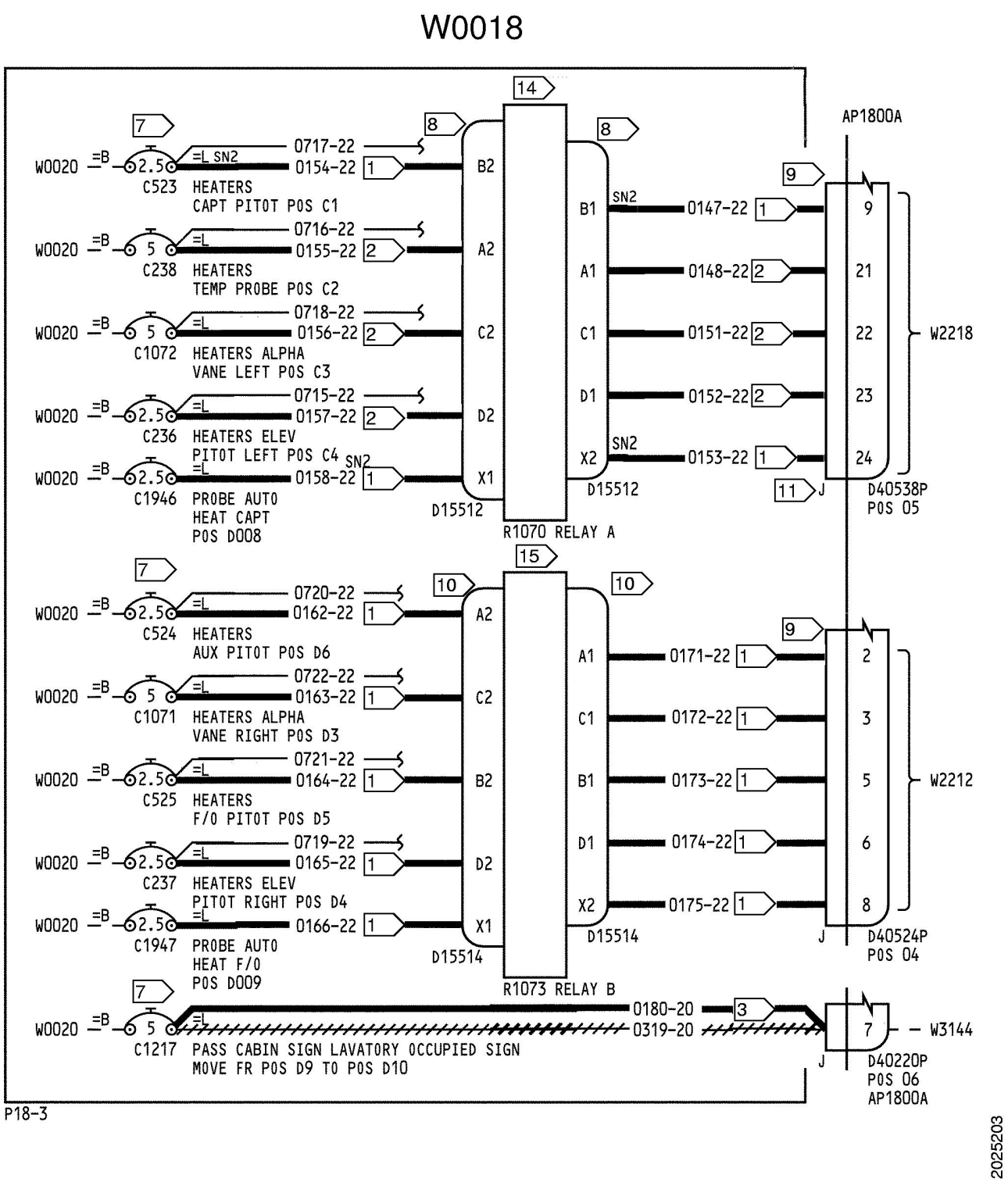


FIGURE 8: CHANGE WIRE BUNDLES, W0018 AND W0020 (SHEET 1 OF 4)

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Reference: 737-600/700/800/900 WDM 30-31-11, 737-600/700/800/900 WDM 30-31-12

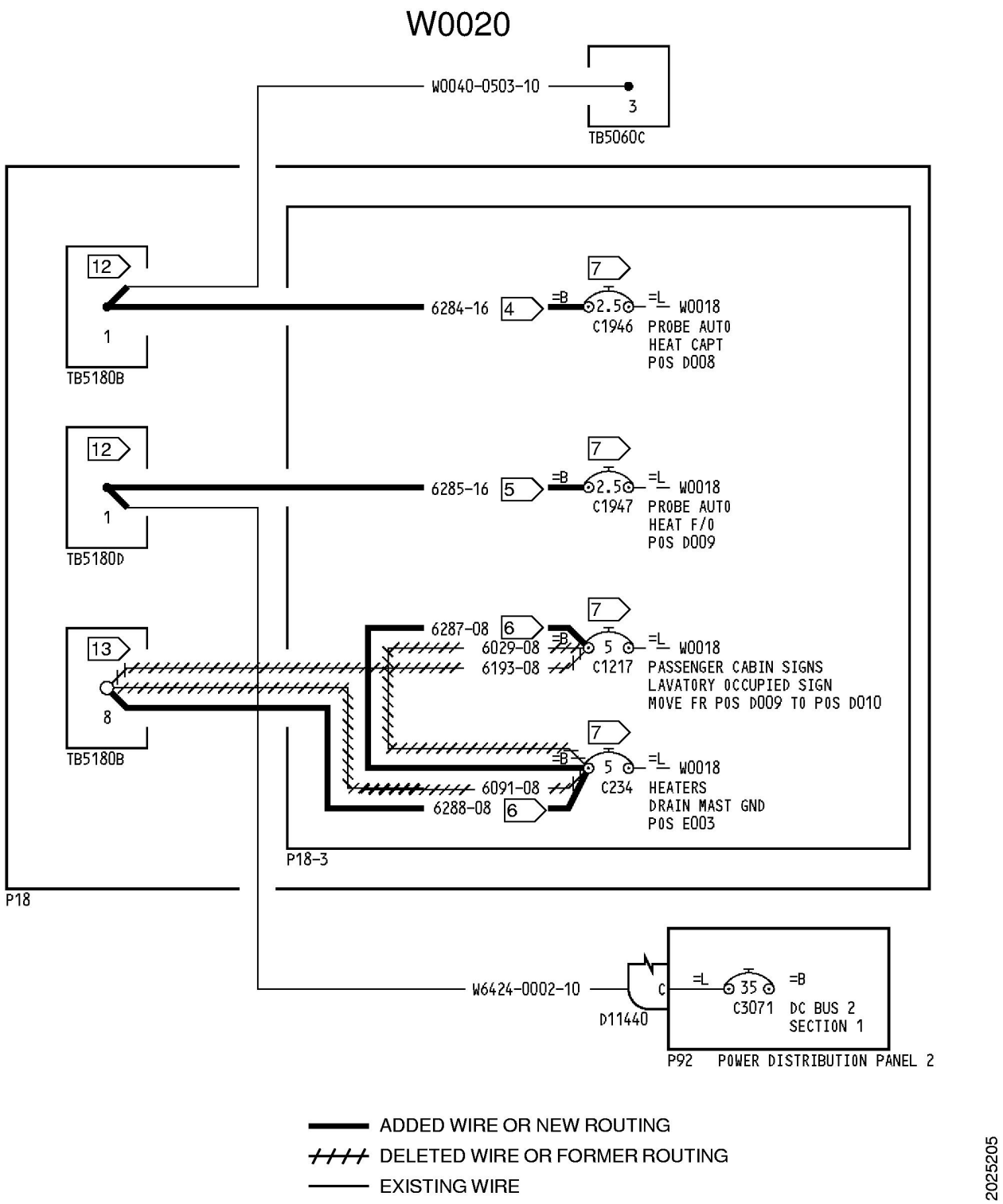


FIGURE 8: CHANGE WIRE BUNDLES, W0018 AND W0020 (SHEET 2 OF 4)

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FLAG NOTE	NAME	IDENTIFICATION	QTY	MORE DATA
1	WIRE	BMS13-58T1C1G22	14	(a)
	LACING TAPE	280A2001-1	-	(a)
2	WIRE	BMS13-48T10C01G022	6	(a)
	LACING TAPE	280A2001-1	-	(a)
3	WIRE	BMS13-48T10C01G020	1	(a)
	LACING TAPE	280A2001-1	-	(a)
4	WIRE RMS 5454011750	BMS13-58T1C1G16	1	(a)
	LACING TAPE	280A2001-1	-	(a)
5	WIRE	BMS13-60T07C01G016	1	(a)
	LACING TAPE	280A2001-1	-	(a)
6	WIRE RMS 5454011605	BMS13-58T1C1G8	2	(a)
	LACING TAPE	280A2001-1	-	(a)
7	TERMINAL, LUG	BACT12AC49	16	(c)
8	CONTACT	M39029/92-533	10	
9	CONTACT, SOCKET	BACC47CP1S	11	(b)
10	CONTACT, SOCKET	BACC47DJ1	10	(d)
11	CONNECTOR, ELECTRICAL, RECEPTACLE, FLANGE MOUNT, BAYONET COUPLING	BACC45FN16-24S9	1	Reterminate existing wires from D40538J to the same pins in the new D40538J. (b)
	ID TAPE - CONNECTOR	280A3157-10103	1	(a)
	PLUG	MS27488-20-1	18	Use as required. (e)
12	TERMINAL, LUG	BACT12AC19	2	Double stake wires if more than four lugs. (c)
13	TERMINAL, LUG	BACT12AC15	1	(c)
14	RELAY SOCKET	RSE116755	1	
	ID TAPE - CONNECTOR	280A3157-10101	1	(a)
15	RELAY SOCKET	BACS16W1A	1	(f)
	ID TAPE - CONNECTOR	280A3157-10102	1	(a)
(a) Refer to SWPM 20-10-11 as an accepted procedure.				
(b) Refer to SWPM 20-61-11 as an accepted procedure.				

FIGURE 8: CHANGE WIRE BUNDLES, W0018 AND W0020
(SHEET 3 OF 4)

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FLAG NOTE	NAME	IDENTIFICATION	QTY	MORE DATA
(c) Refer to SWPM 20-30-11 as an accepted procedure.				
(d) Refer to SWPM 20-81-12 as an accepted procedure.				
(e) Refer to SWPM 20-00-11 as an accepted procedure.				
(f) Refer to SWPM 20-81-12 and SWPM 20-81-22 as accepted procedures.				

FIGURE 8: CHANGE WIRE BUNDLES, W0018 AND W0020
(SHEET 4 OF 4)

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This Figure applies only to: Group 3, 6, 8, 13.

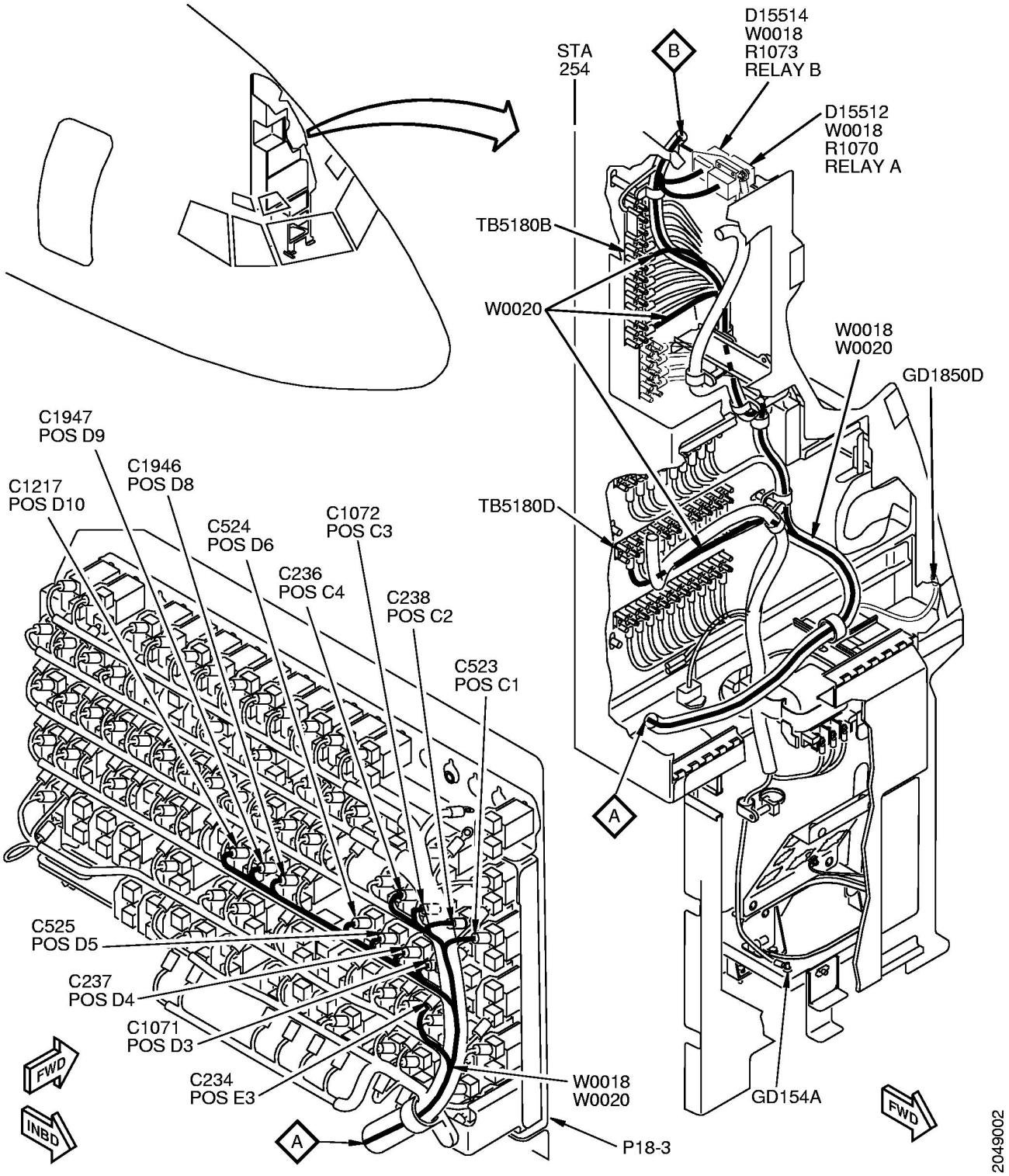


FIGURE 9: ROUTE THE WIRE BUNDLES, W0018 AND W0020
(SHEET 1 OF 2)

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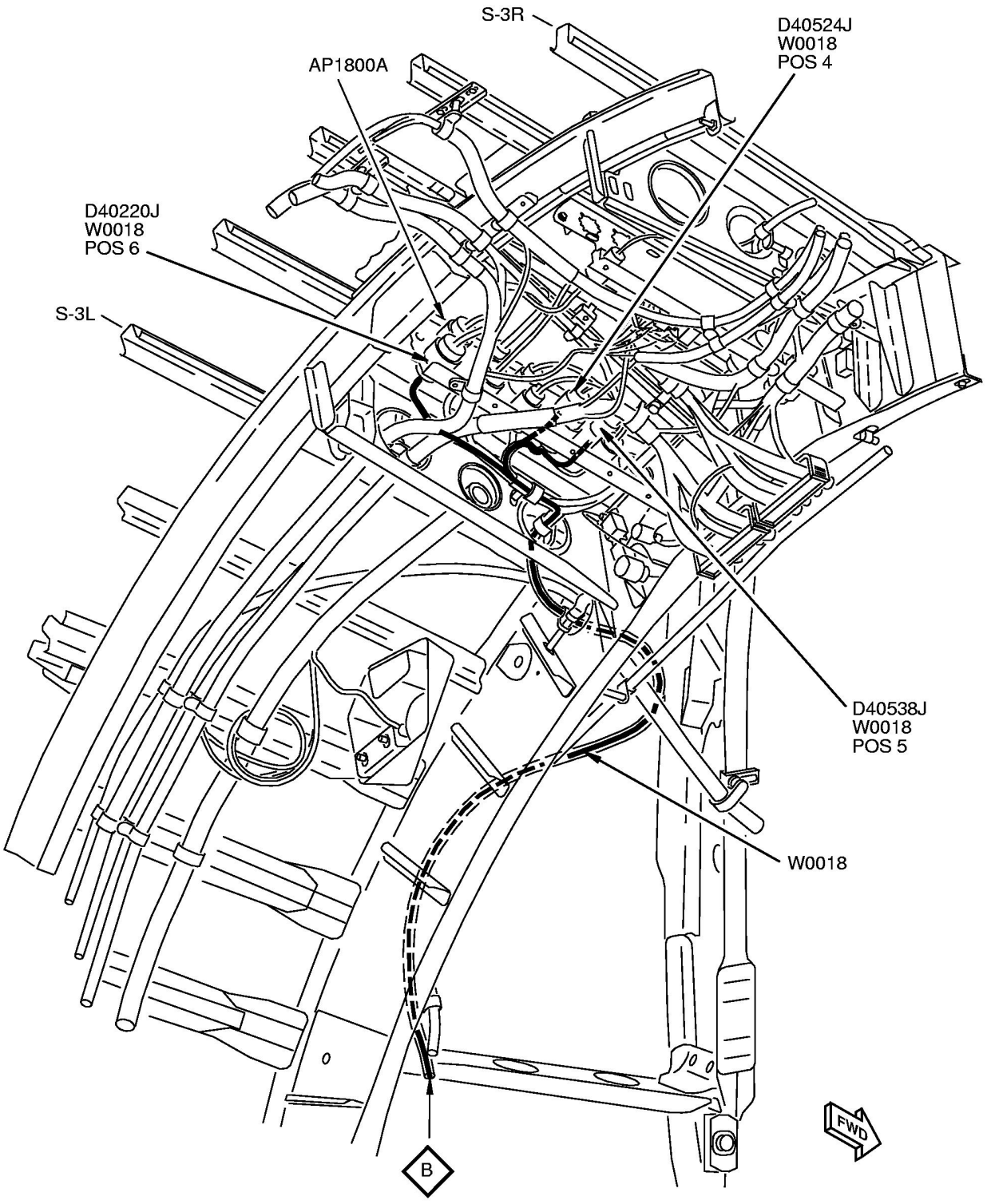


FIGURE 9: ROUTE THE WIRE BUNDLES, W0018 AND W0020 (SHEET 2 OF 2)

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This Figure applies only to: Group 1, 12.

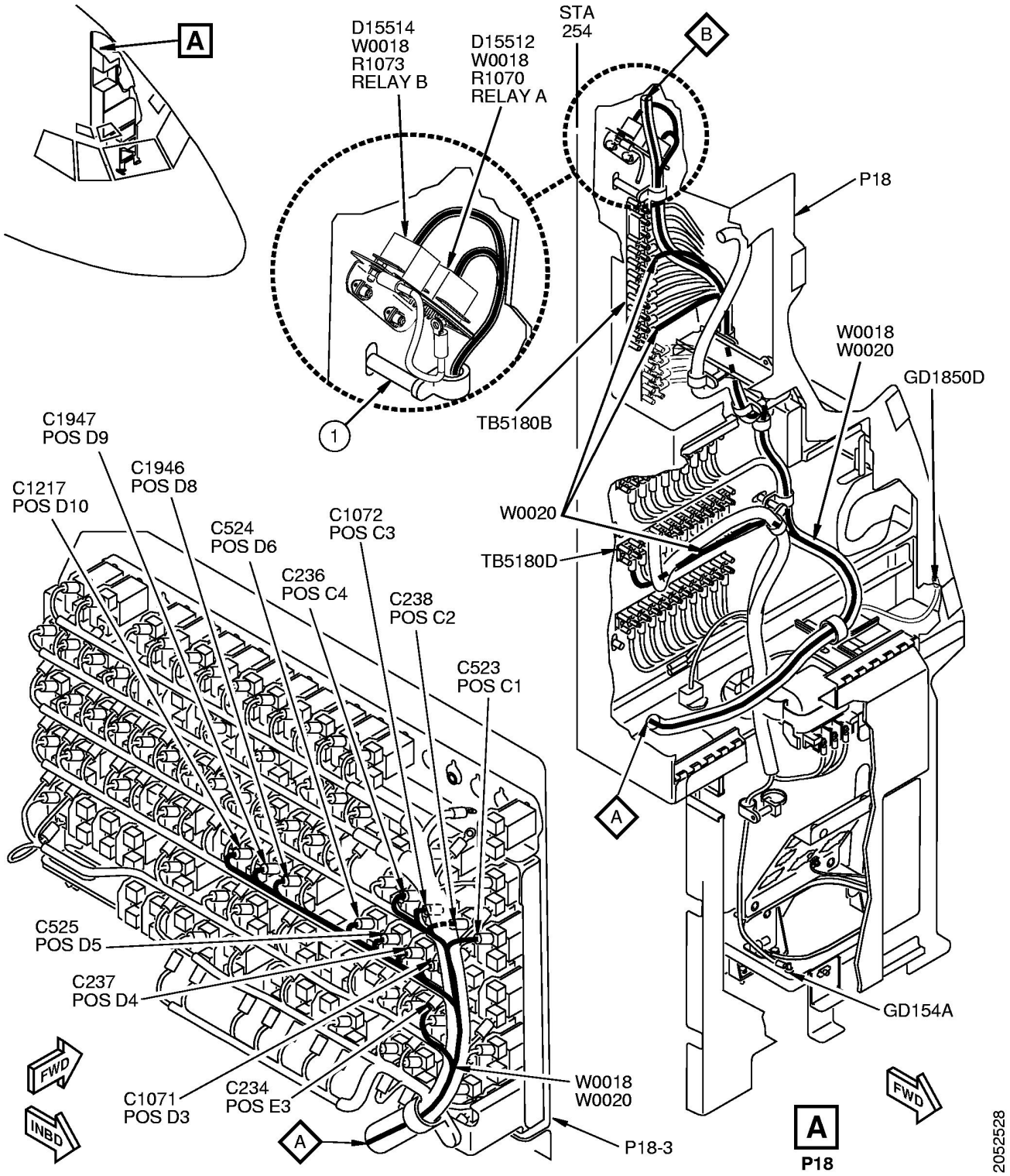
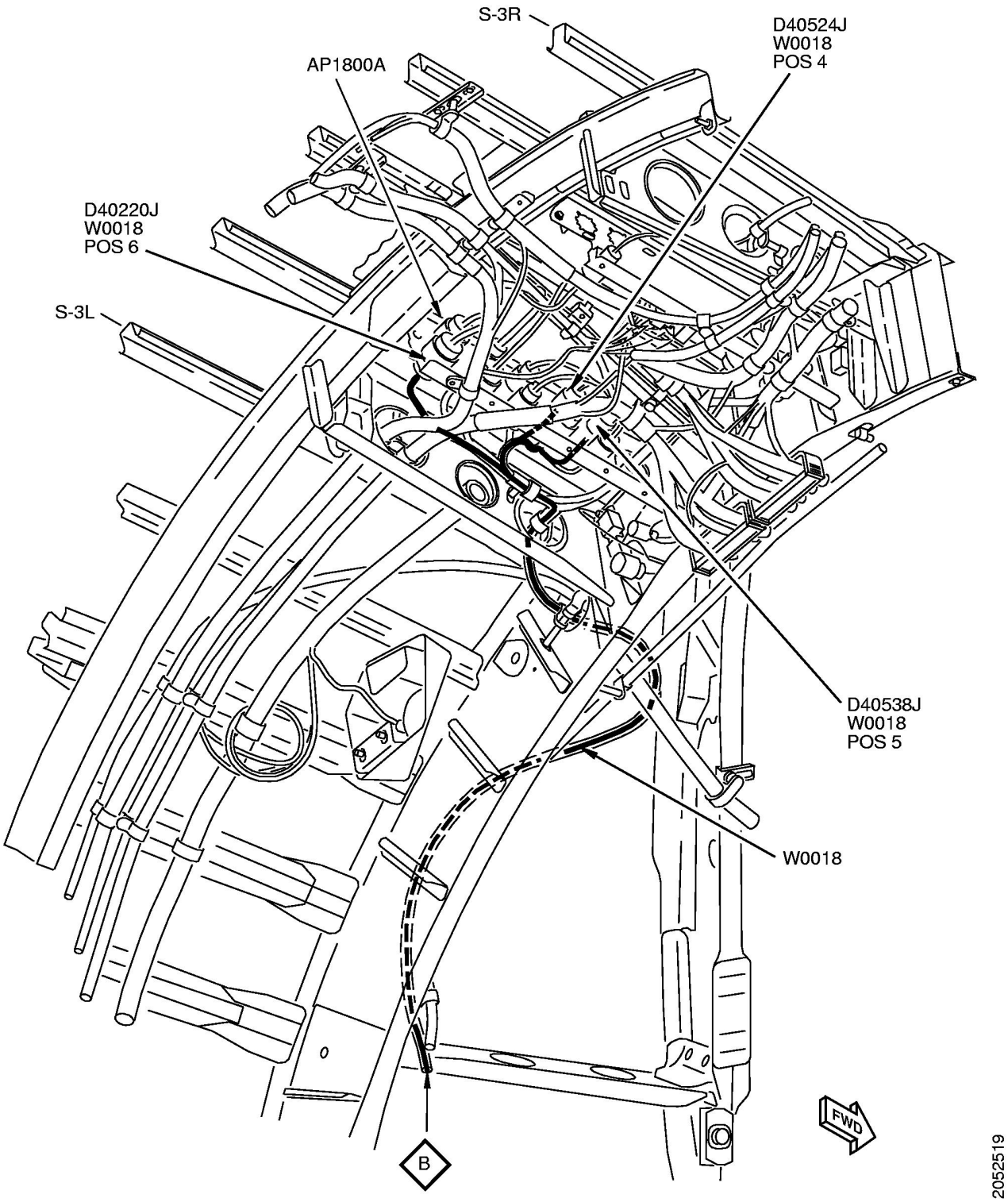


FIGURE 10: ROUTE THE WIRE BUNDLES, W0018 AND W0020
(SHEET 1 OF 3)

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The step numbers shown below agree with the numbers shown in the circle symbols in the figure. The QTY numbers shown below are the number of parts necessary for one airplane.

FIGURE 10: ROUTE THE WIRE BUNDLES, W0018 AND W0020
(SHEET 2 OF 3)

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STEP	TASK	NAME	IDENTIFICATION	QTY	MORE DATA
1	Install (New)	SPACERS FOR BOLTS	NAS43DD3-96FC	1	(a)
	Install (New)	WASHER	NAS1149D0316J	1	(a)
	Install (New)	SCREW, CAP	BACS12GU3K32	1	(a)
(a) Install this fastener if there is an interference.					

FIGURE 10: ROUTE THE WIRE BUNDLES, W0018 AND W0020
(SHEET 3 OF 3)

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This Figure applies only to: Group 2, 4-5, 7, 9, 11.

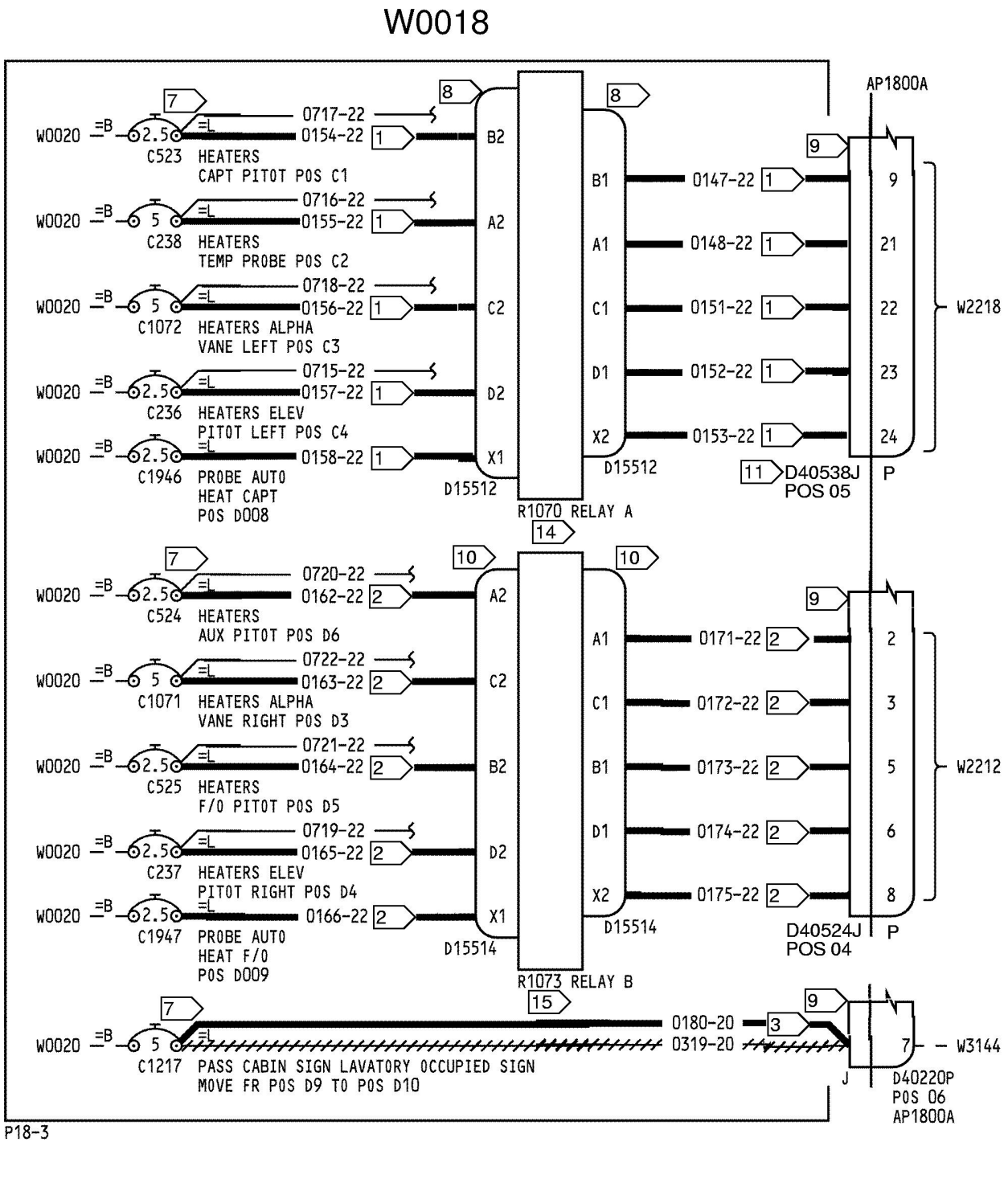


FIGURE 11: CHANGE THE WIRE BUNDLES, W0018 AND W0020 (SHEET 1 OF 4)

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Reference: 737-600/700/800/900 WDM 30-31-11, 737-600/700/800/900 WDM 30-31-12

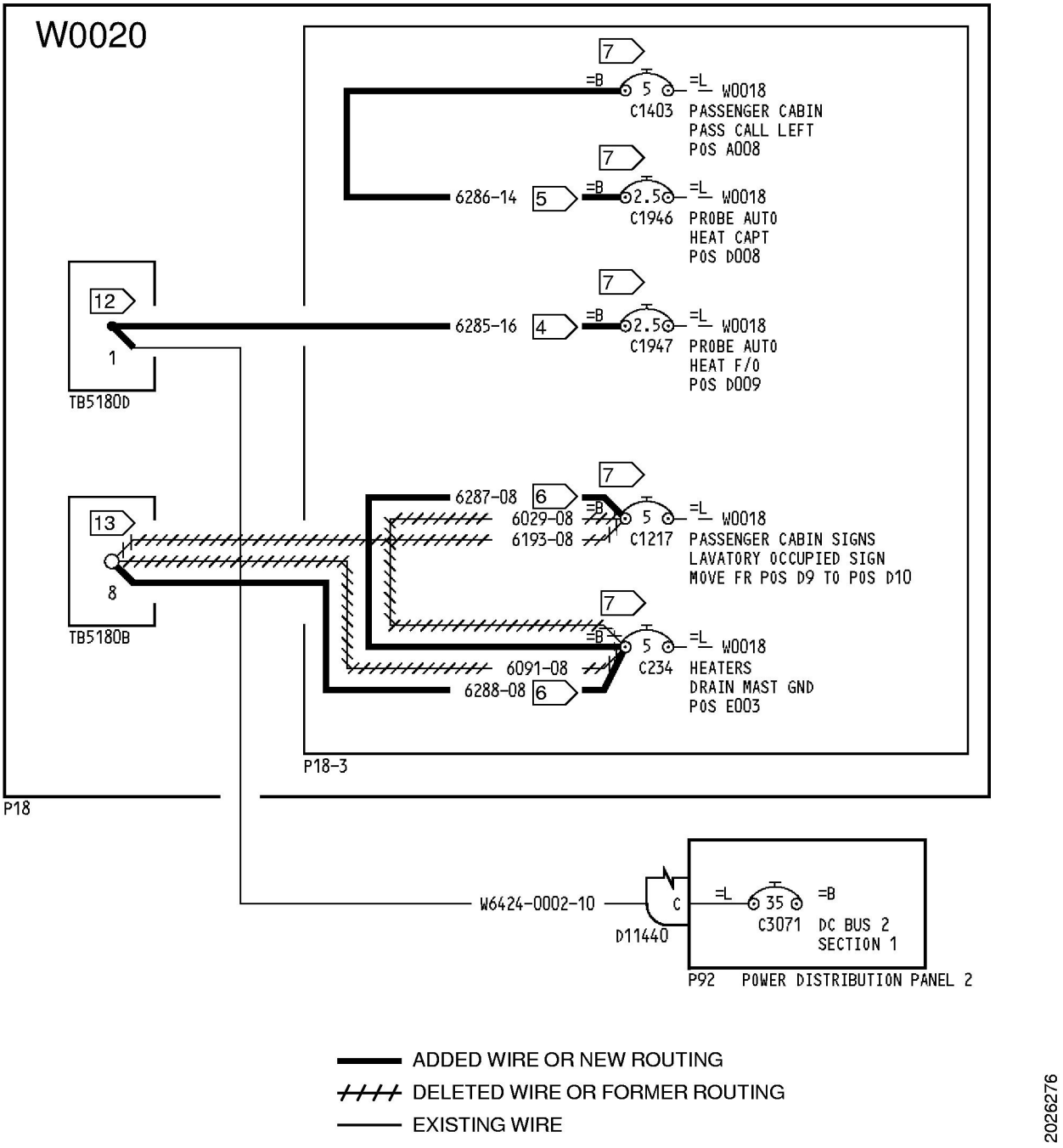


FIGURE 11: CHANGE THE WIRE BUNDLES, W0018 AND W0020 (SHEET 2 OF 4)

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Reference: 737-600/700/800/900 WDM 24-61-21, 737-600/700/800/900 WDM 24-61-23

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	WIRE	BMS13-48T10C01G022	10	(a)
	LACING TAPE	280A2001-1	-	(a)
2	WIRE	BMS13-58T1C1G22	6	(a)
	LACING TAPE	280A2001-1	-	(a)
3	WIRE	BMS13-48T10C01G020	1	(a)
	LACING TAPE	280A2001-1	-	(a)
4	WIRE	BMS13-60T07C01G016	1	(a)
	LACING TAPE	280A2001-1	-	(a)
5	WIRE RMS 5454011749	BMS13-58T1C1G14	1	(a)
	LACING TAPE	280A2001-1	-	(a)
6	WIRE RMS 5454011605	BMS13-58T1C1G8	2	(a)
	LACING TAPE	280A2001-1	-	(a)
7	TERMINAL, LUG	BACT12AC49	17	(c)
8	CONTACT	M39029/92-533	10	
9	CONTACT, SOCKET	BACC47CP1S	11	(b)
10	CONTACT, SOCKET	BACC47DJ1	10	(d)
11	CONNECTOR, ELECTRICAL, RECEPTACLE, FLANGE MOUNT, BAYONET COUPLING	BACC45FN16-24S9	1	Reterminate existing wires from D40538J to the same pins in the new D40538J. (b)
	ID TAPE - CONNECTOR	280A3157-10203	1	(a)
	PLUG	MS27488-20-1	18	Use as required. (e)
12	TERMINAL, LUG	BACT12AC19	1	Double stake wires if more than four lugs. (c)
13	TERMINAL, LUG	BACT12AC15	1	Double stake wires if more than four lugs. (c)
14	RELAY SOCKET	RSE116755	1	
	ID TAPE - CONNECTOR	280A3157-10201	1	(a)
15	RELAY SOCKET	BACS16W1A	1	(f)
	ID TAPE - CONNECTOR	280A3157-10202	1	(a)

FIGURE 11: CHANGE THE WIRE BUNDLES, W0018 AND W0020
(SHEET 3 OF 4)

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FLAG NOTE	NAME	IDENTIFICATION	QTY	MORE DATA
(a) Refer to SWPM 20-10-11 as an accepted procedure.				
(b) Refer to SWPM 20-61-11 as an accepted procedure.				
(c) Refer to SWPM 20-30-11 as an accepted procedure.				
(d) Refer to SWPM 20-81-12 as an accepted procedure.				
(e) Refer to SWPM 20-00-11 as an accepted procedure.				
(f) Refer to SWPM 20-81-12 and SWPM 20-81-22 as accepted procedures.				

FIGURE 11: CHANGE THE WIRE BUNDLES, W0018 AND W0020
(SHEET 4 OF 4)

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This Figure applies only to: Group 4-5, 7, 11.

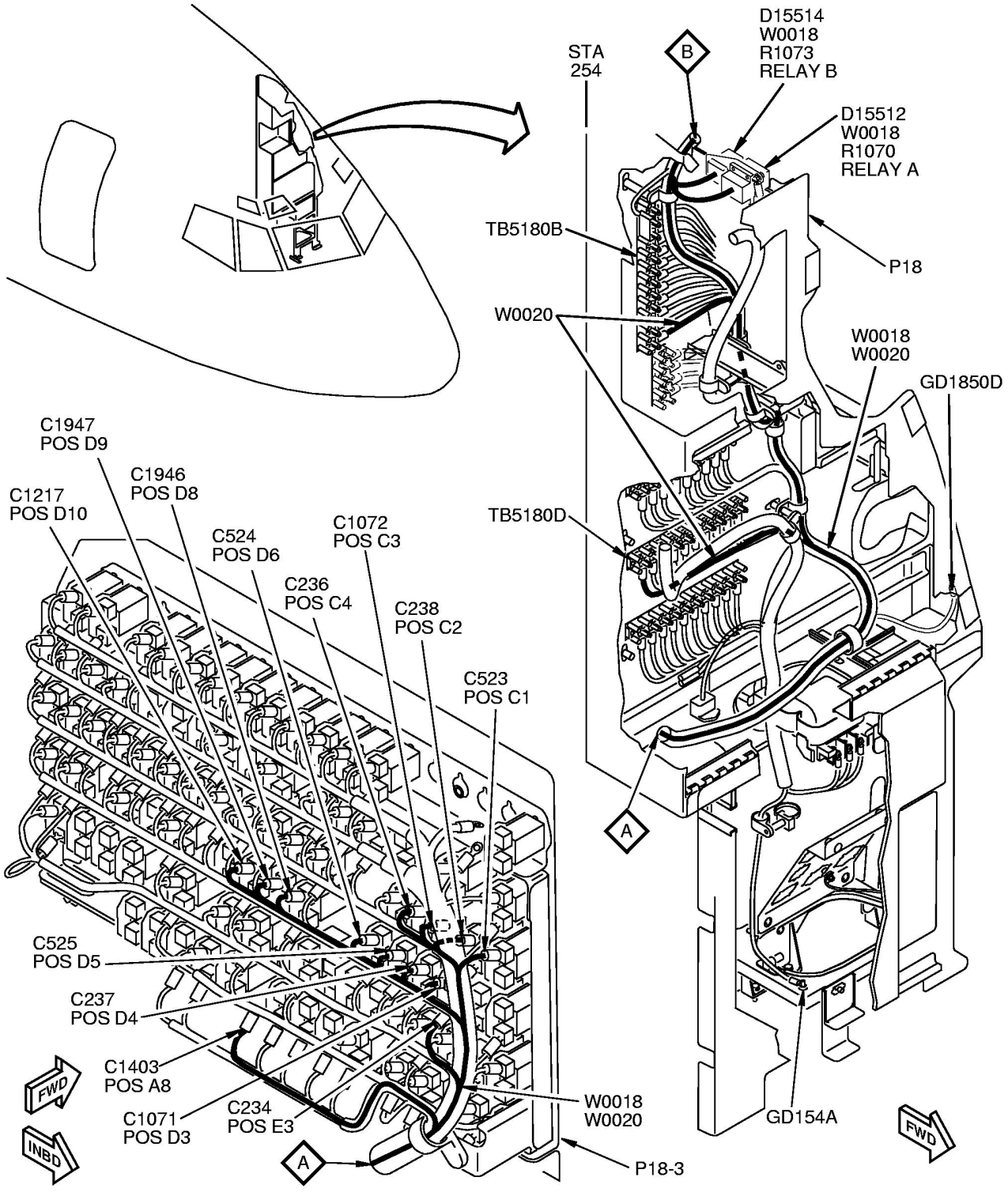


FIGURE 12: ROUTE THE WIRE BUNDLES, W0018 AND W0020 (SHEET 1 OF 2)

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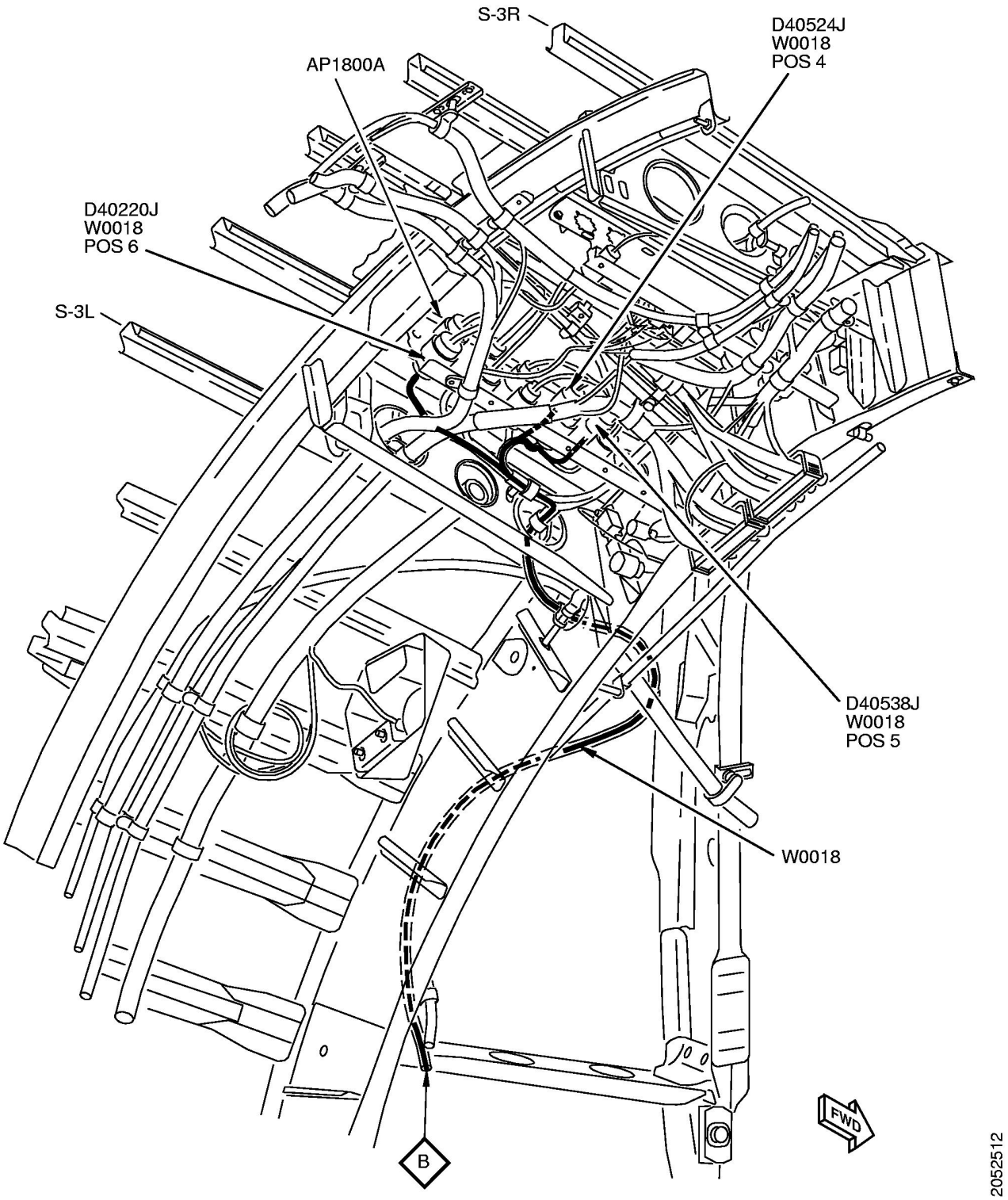


FIGURE 12: ROUTE THE WIRE BUNDLES, W0018 AND W0020 (SHEET 2 OF 2)

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This Figure applies only to: Group 2, 9.

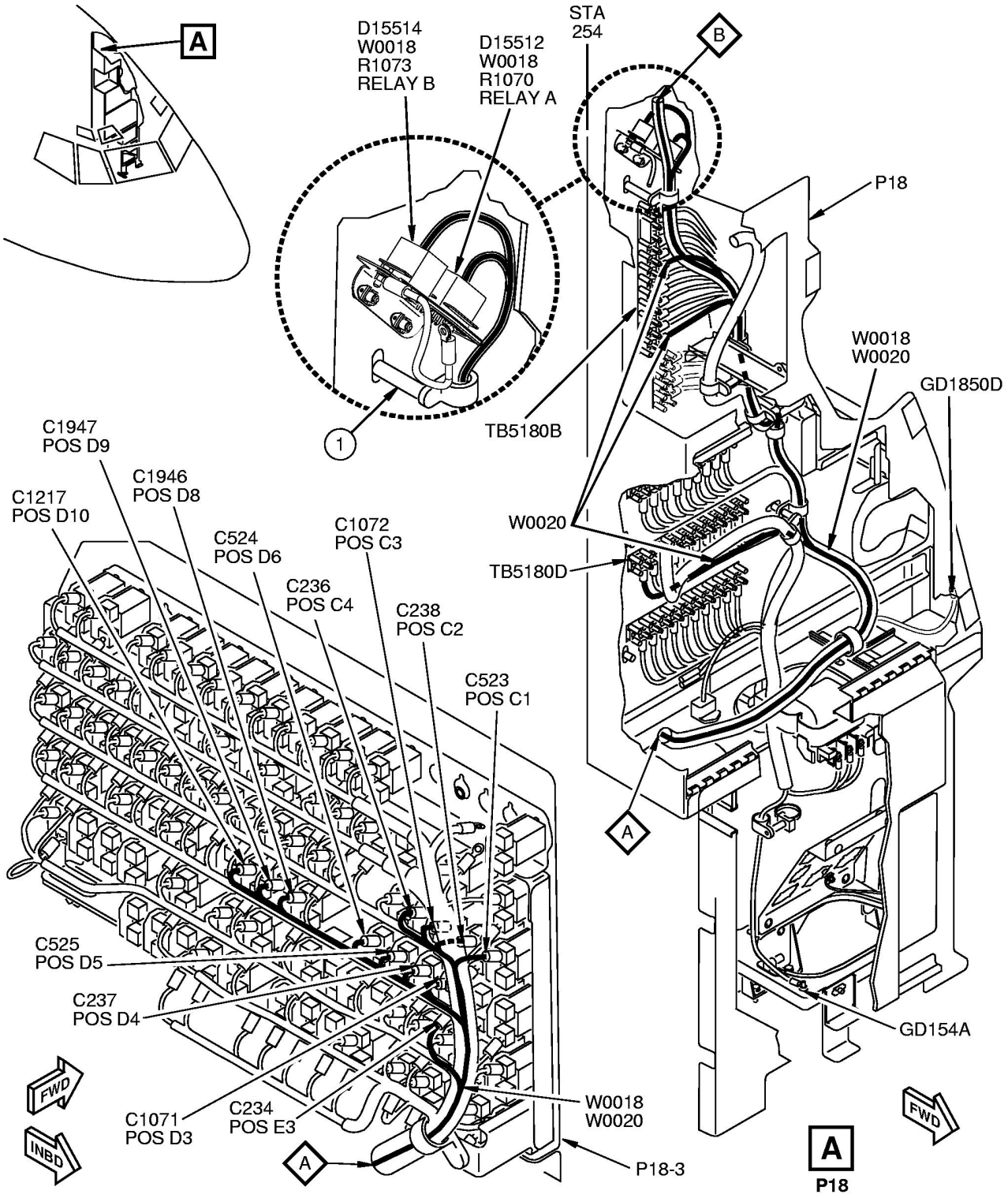


FIGURE 13: ROUTE THE WIRE BUNDLES, W0018 AND W0020 (SHEET 1 OF 3)

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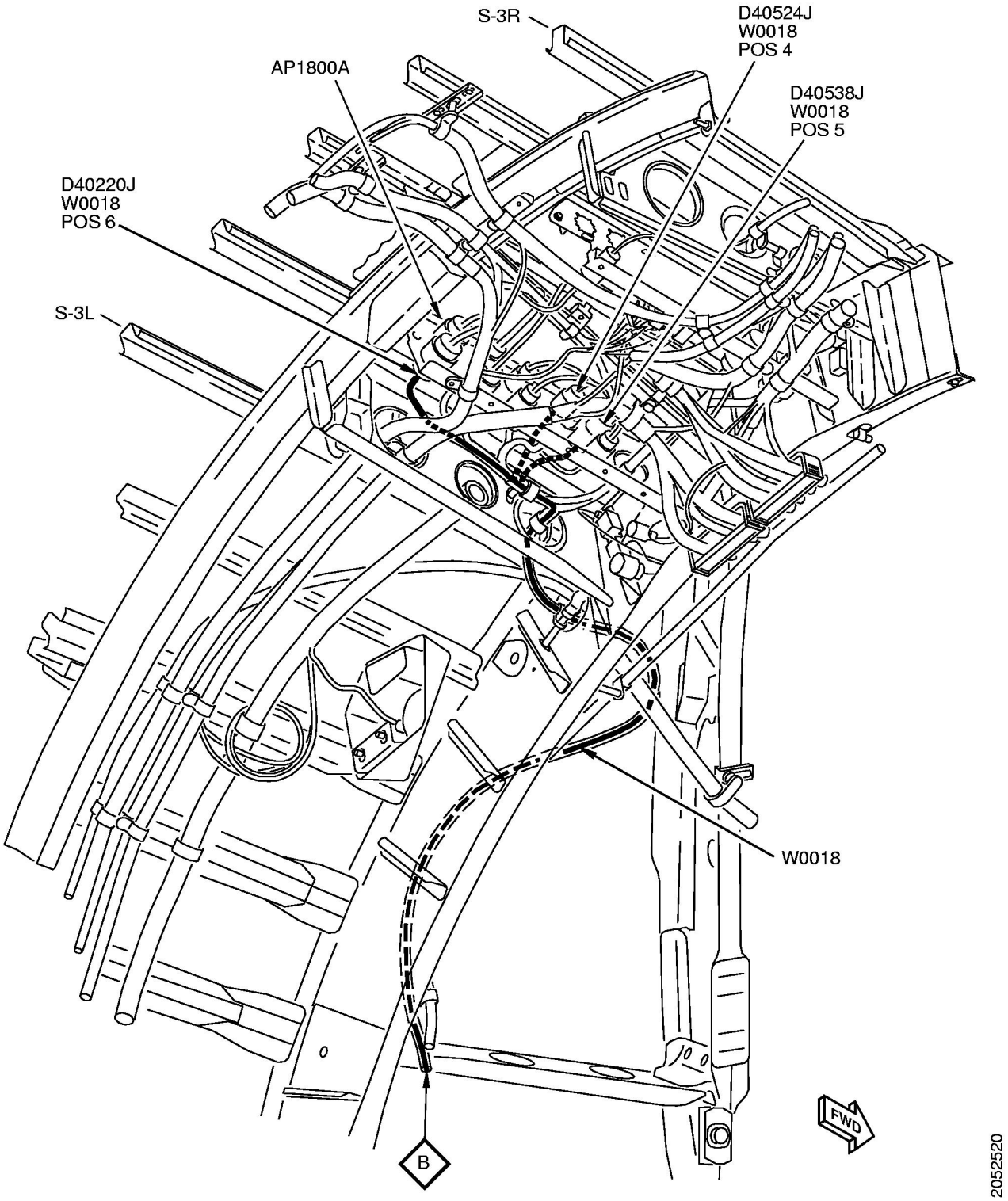


FIGURE 13: ROUTE THE WIRE BUNDLES, W0018 AND W0020 (SHEET 2 OF 3)

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STEP	TASK	NAME	IDENTIFICATION	QTY	MORE DATA
1	Install (New)	SPACERS FOR BOLTS	NAS43DD3-96FC	1	(a)
	Install (New)	WASHER	NAS1149D0316J	1	(a)
	Install (New)	SCREW, CAP	BACS12GU3K32	1	(a)
(a) Install this fastener if there is an interference.					

FIGURE 13: ROUTE THE WIRE BUNDLES, W0018 AND W0020
(SHEET 3 OF 3)

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This Figure applies only to: Group 10, 14.

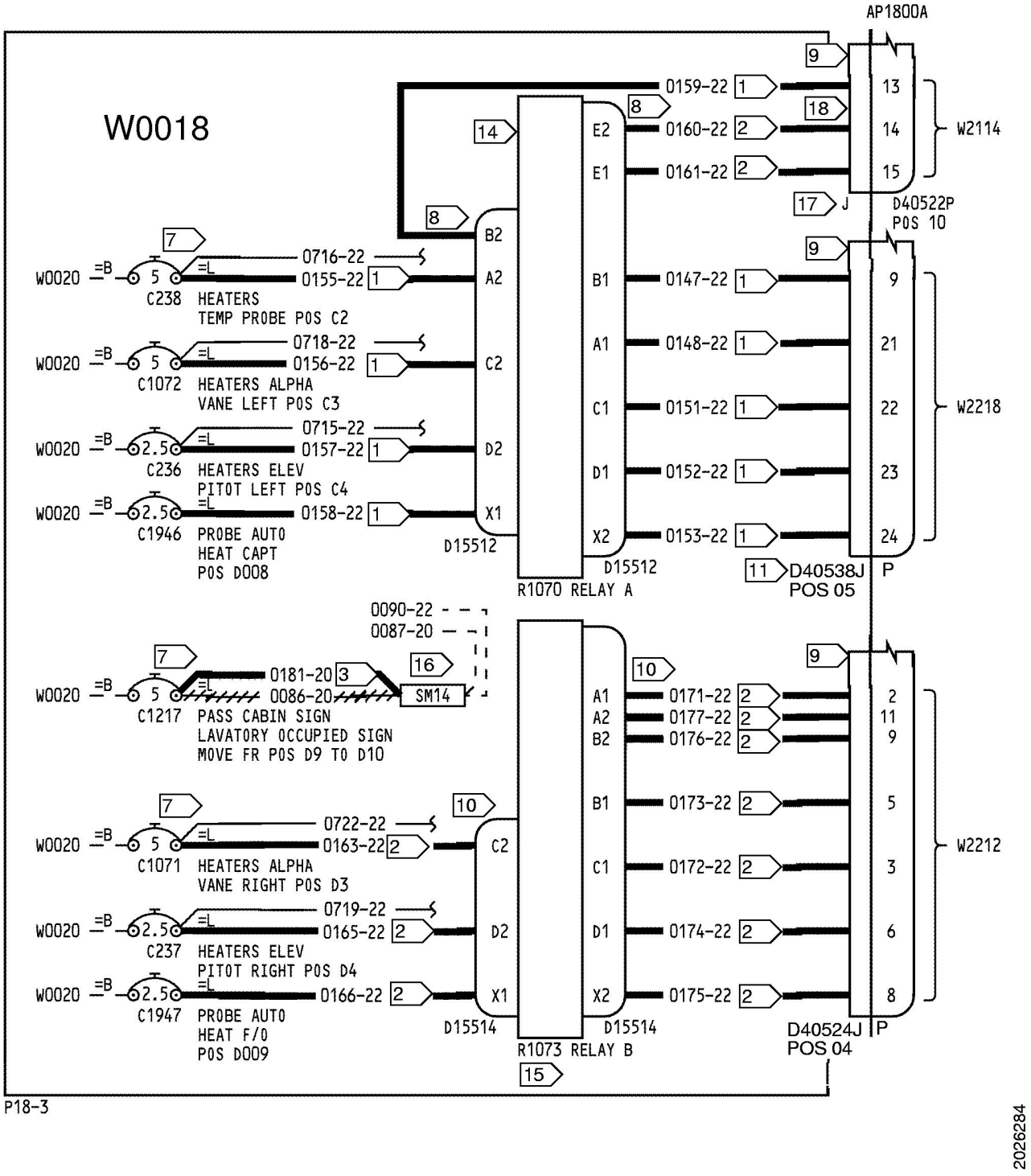


FIGURE 14: CHANGE THE WIRE BUNDLES, W0018 AND W0020 (SHEET 1 OF 4)

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Reference: 737-600/700/800/900 WDM 30-31-11, 737-600/700/800/900 WDM 30-31-12

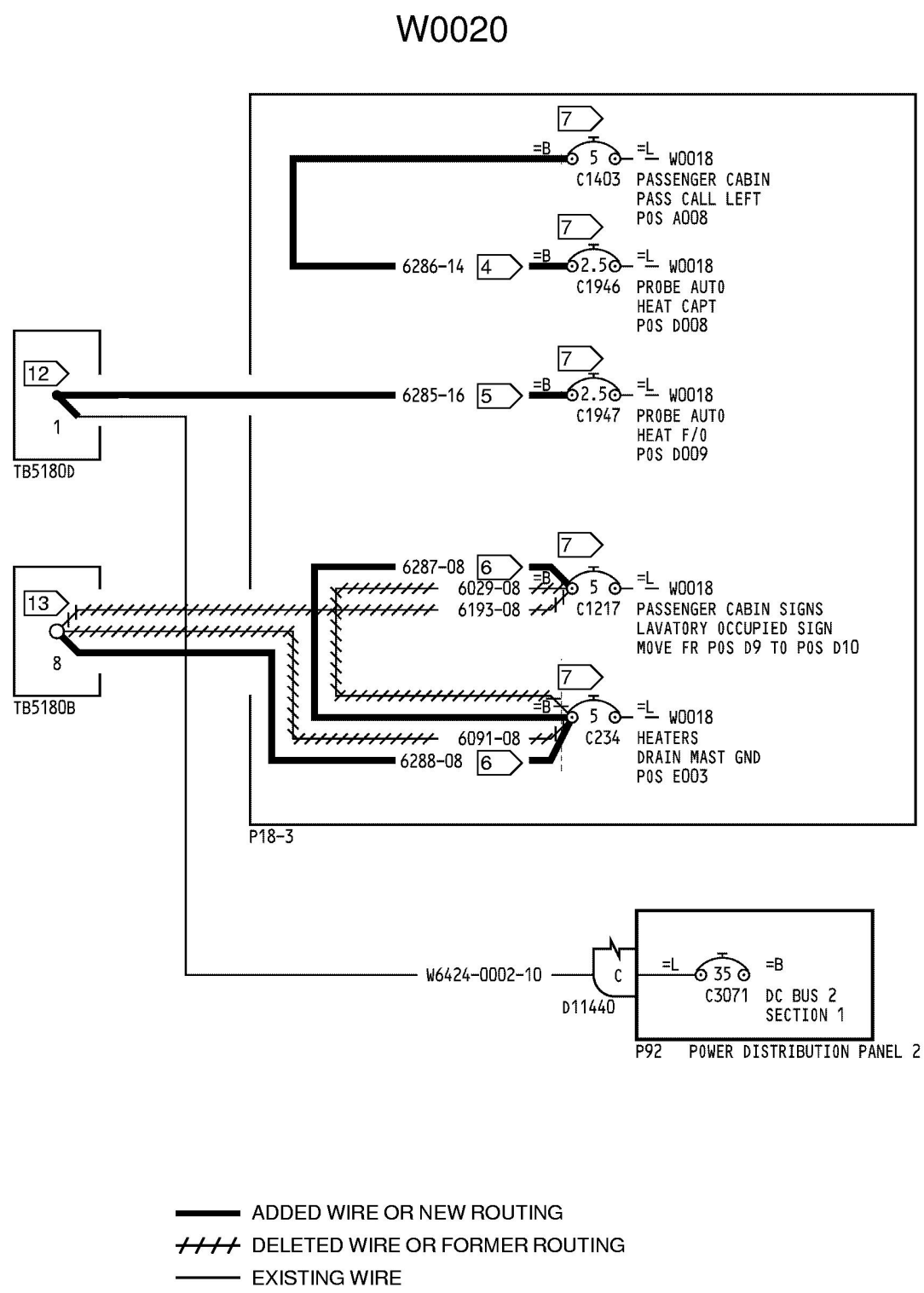


FIGURE 14: CHANGE THE WIRE BUNDLES, W0018 AND W0020 (SHEET 2 OF 4)

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Reference: 737-600/700/800/900 WDM 24-61-21, 737-600/700/800/900 WDM 24-61-23

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	WIRE	BMS13-48T10C01G022	10	(a)
	LACING TAPE	280A2001-1	-	(a)
2	WIRE	BMS13-58T1C1G22	12	(a)
	LACING TAPE	280A2001-1	-	(a)
3	WIRE	BMS13-48T10C01G020	1	(a)
	LACING TAPE	280A2001-1	-	(a)
4	WIRE RMS 5454011749	BMS13-58T1C1G14	1	(a)
	LACING TAPE	280A2001-1	-	(a)
5	WIRE	BMS13-60T07C01G016	1	(a)
	LACING TAPE	280A2001-1	-	(a)
6	WIRE RMS 5454011605	BMS13-58T1C1G8	2	(a)
	LACING TAPE	280A2001-1	-	(a)
7	TERMINAL, LUG	BACT12AC49	14	(c)
8	CONTACT	M39029/92-533	12	
9	CONTACT, SOCKET	BACC47CP1S	10	(b)
10	CONTACT, SOCKET	BACC47DJ1	10	(f)
11	CONNECTOR, ELECTRICAL, RECEPTACLE, FLANGE MOUNT, BAYONET COUPLING	BACC45FN16-24S9	1	Reterminate existing wires from D40538J to the same pins in the new D40538J. (b)
	ID TAPE - CONNECTOR	280A3157-10303	1	(a)
	PLUG	MS27488-20-1	43	Use as required. (g)
12	TERMINAL, LUG	BACT12AC19	2	Double stake wires if more than four lugs. (c)
13	TERMINAL, LUG	BACT12AC15	1	Double stake wires if more than four lugs. (c)
14	RELAY SOCKET	RSE116755	1	
	ID TAPE - CONNECTOR	280A3157-10301	1	(a)
15	RELAY SOCKET	BACS16W1A	1	(h)
	ID TAPE - CONNECTOR	280A3157-10302	1	(a)

FIGURE 14: CHANGE THE WIRE BUNDLES, W0018 AND W0020
(SHEET 3 OF 4)

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FLAG NOTE	NAME	IDENTIFICATION	QTY	MORE DATA
16	SPLICE	D436-37	1	(e)
	ID SLEEVE - SPLICE	280A3157-10305	1	(d)
17	CONNECTOR, ELECTRICAL, RECEPTACLE, FLANGE MOUNT, BAYONET COUPLING	BACC45FN16-24S7	1	Reterminate existing wires from D40522J to same pins in new D40538J. At pin 10 of D40522J must use oversized contact P/N P209553D. (b)
	ID TAPE - CONNECTOR	280A3157-10304	1	(a)
18	CONTACT, PYLE	P209541	1	
(a) Refer to SWPM 20-10-11 as an accepted procedure.				
(b) Refer to SWPM 20-61-11 as an accepted procedure.				
(c) Refer to SWPM 20-30-11 as an accepted procedure.				
(d) Refer to SWPM 20-10-14 as an accepted procedure.				
(e) Refer to SWPM 20-30-12 as an accepted procedure.				
(f) Refer to SWPM 20-81-12 as an accepted procedure.				
(g) Refer to SWPM 20-00-11 as an accepted procedure.				
(h) Refer to SWPM 20-81-12 and SWPM 20-81-22 as accepted procedures.				

FIGURE 14: CHANGE THE WIRE BUNDLES, W0018 AND W0020
(SHEET 4 OF 4)

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This Figure applies only to: Group 14.

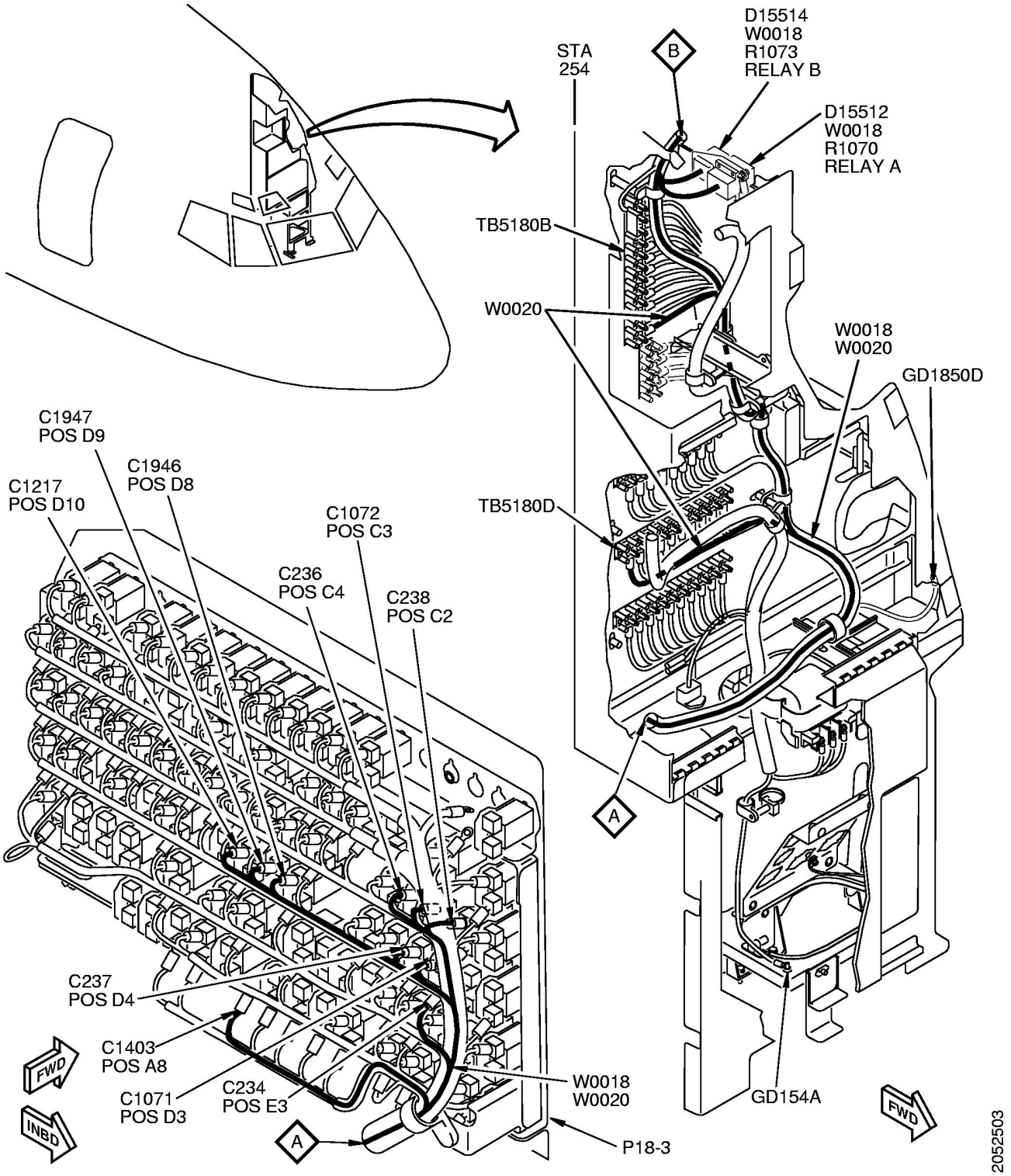


FIGURE 15: ROUTE THE WIRE BUNDLES, W0018 AND W0020 (SHEET 1 OF 2)

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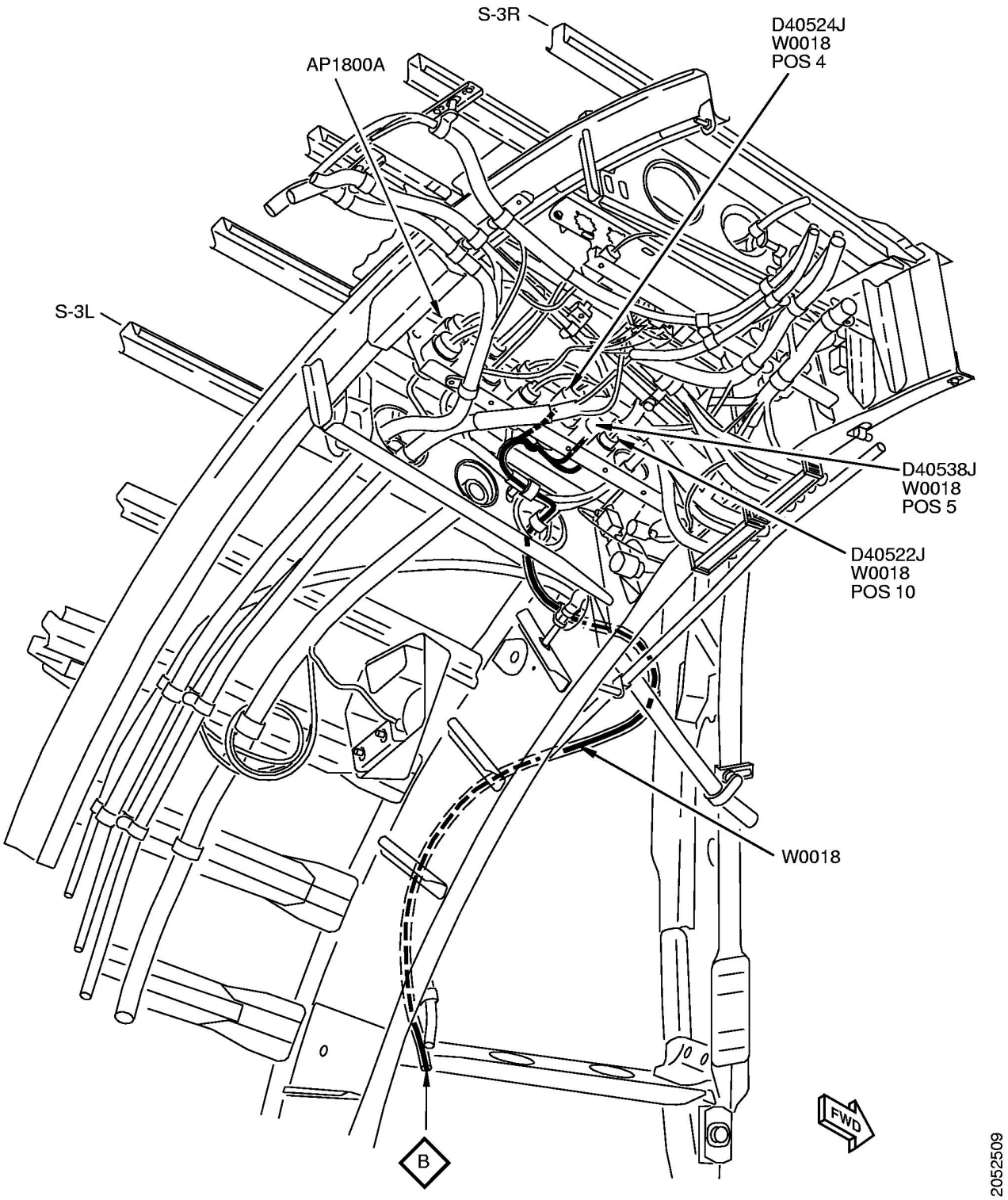
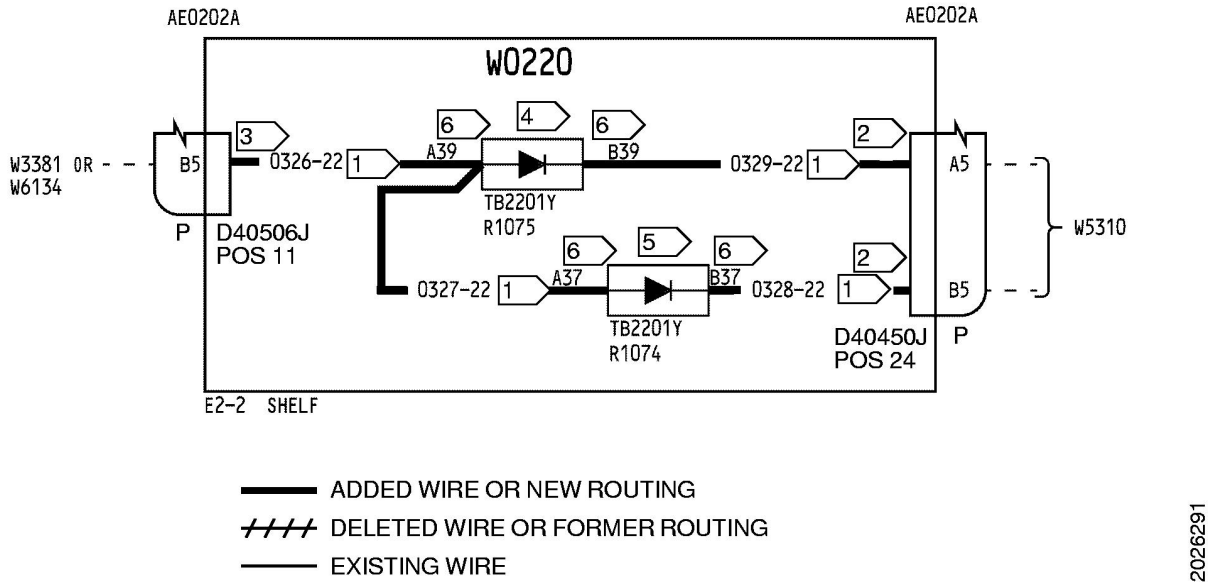


FIGURE 15: ROUTE THE WIRE BUNDLES, W0018 AND W0020
(SHEET 2 OF 2)

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Reference: 737-600/700/800/900 WDM 30-31-12

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	WIRE	BMS13-48T10C01G022	4	(a)
	LACING TAPE	280A2001-1	1	(a)
2	CONTACT, SOCKET, SIZE 20	CTA-0165	2	(b)
3	CONTACT, PIN, SIZE 20	CTA-0166	1	(b)
4	TERMINAL MODULE	S280W555-104	1	(e)
	ID SLEEVE - DIODE	280A3157-10402	1	(c)
5	TERMINAL MODULE	S280W555-751	1	(e)
	ID SLEEVE - DIODE	280A3157-10401	1	(c)
6	CONTACT, PIN, SIZE 20	S280W555-920	4	(d)
(a) Refer to SWPM 20-10-11 as an accepted procedure.				
(b) Refer to SWPM 20-74-11 as an accepted procedure.				
(c) Refer to SWPM 20-10-14 as an accepted procedure.				
(d) Refer to SWPM 20-90-11 as an accepted procedure.				
(e) Refer to SWPM 20-90-15 as an accepted procedure.				

FIGURE 16: CHANGE THE WIRE BUNDLE, W0220, INSIDE E2-2
(SHEET 1 OF 1)

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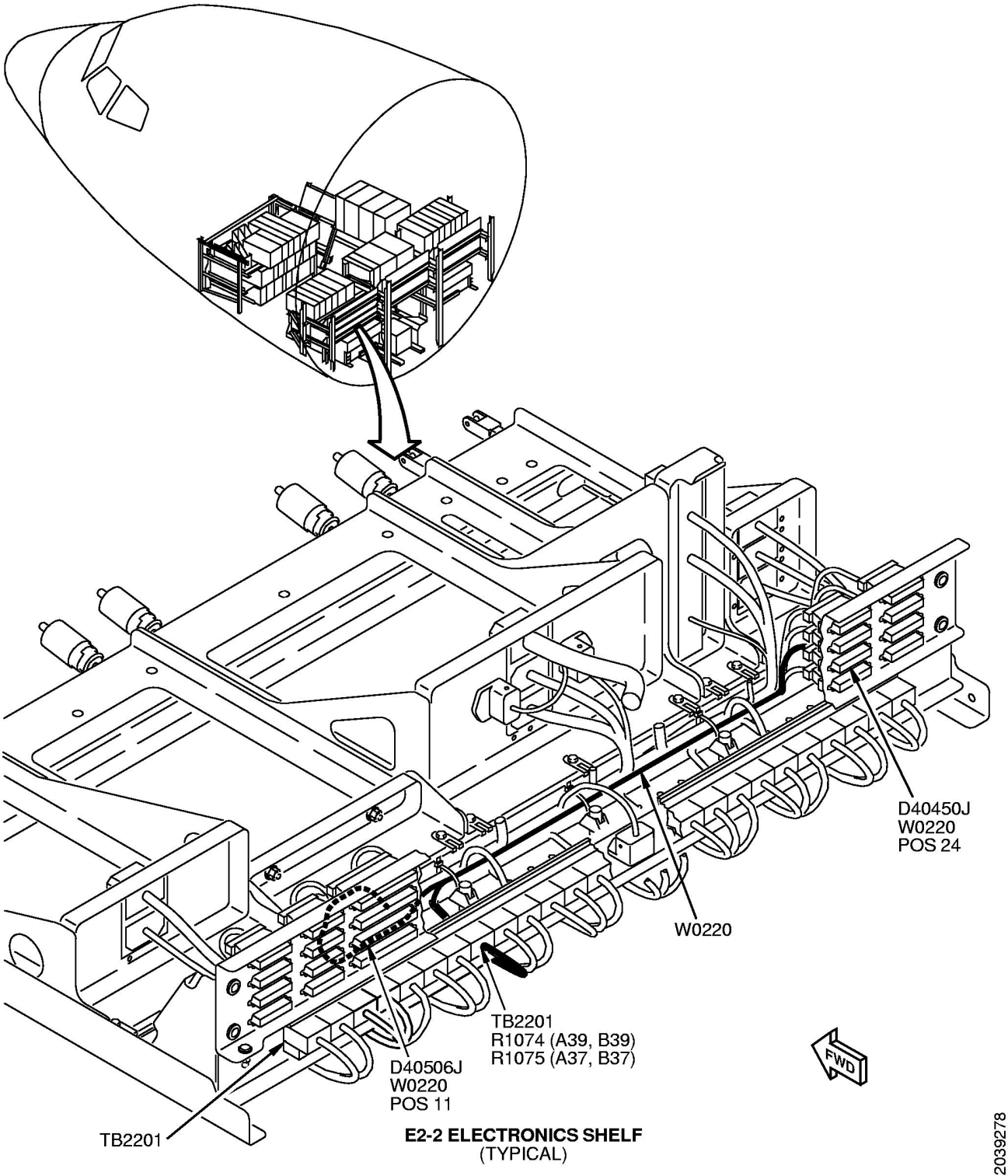
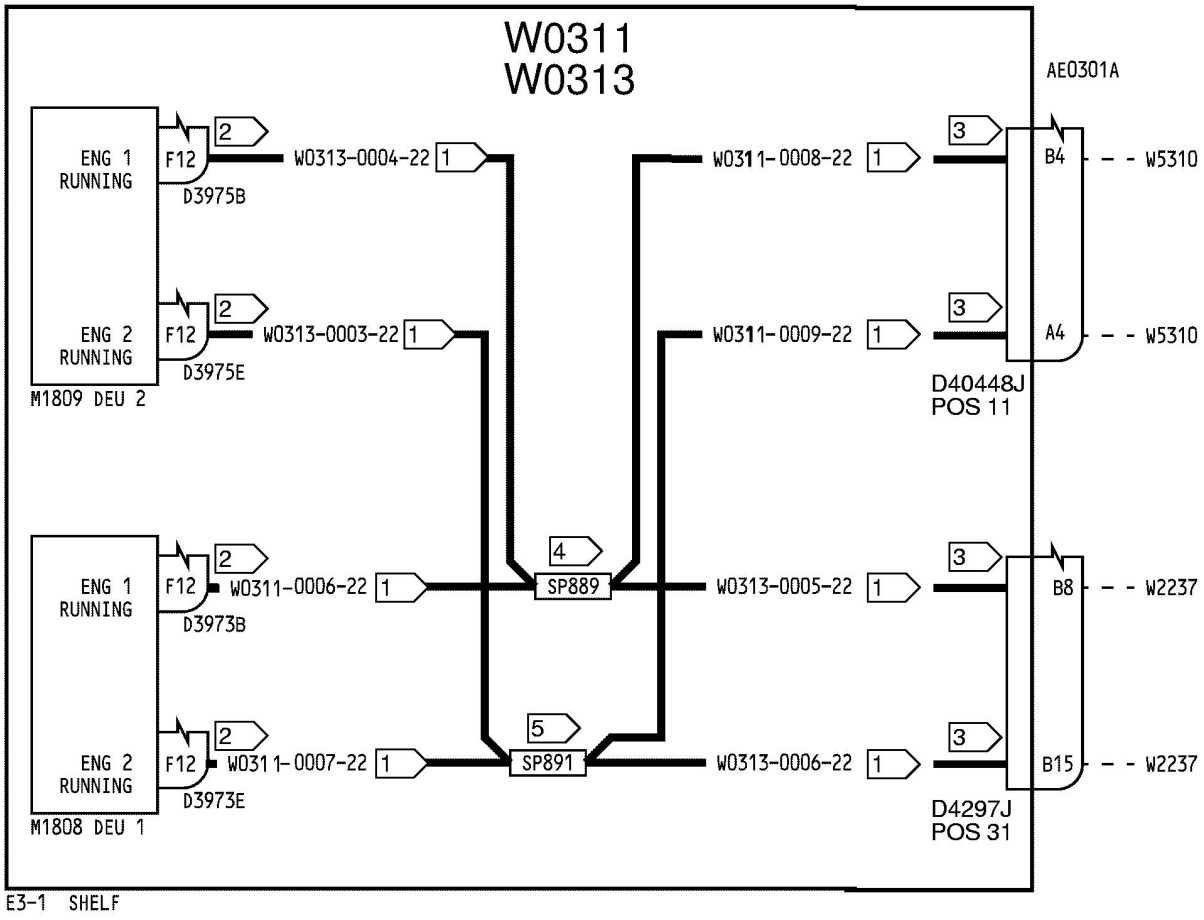


FIGURE 17: ROUTE THE WIRE BUNDLE, W0220, INSIDE E2-2 (SHEET 1 OF 1)

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Reference: 737-600/700/800/900 WDM 30-31-12

FIGURE 18: CHANGE THE WIRE BUNDLES, W0311 AND W0313, INSIDE E3-1 (SHEET 1 OF 2)

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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	WIRE	BMS13-48T10C01G022	8	(a)
	LACING TAPE	280A2001-1	-	(a)
2	CONTACT, PIN	BACC47EF1	4	(c)
3	CONTACT, SOCKET, SIZE 20	CTA-0165	4	(b)
4	SPLICE	D436-37	1	(e)
	ID SLEEVE - SPLICE	280A3157-10501	1	(d)
5	SPLICE	D436-37	1	(e)
	ID SLEEVE - SPLICE	280A3157-10502	1	(d)
(a) Refer to SWPM 20-10-11 as an accepted procedure.				
(b) Refer to SWPM 20-74-11 as an accepted procedure.				
(c) Refer to SWPM 20-81-12 as an accepted procedure.				
(d) Refer to SWPM 20-10-14 as an accepted procedure.				
(e) Refer to SWPM 20-30-12 as an accepted procedure.				

FIGURE 18: CHANGE THE WIRE BUNDLES, W0311 AND W0313, INSIDE E3-1 (SHEET 2 OF 2)

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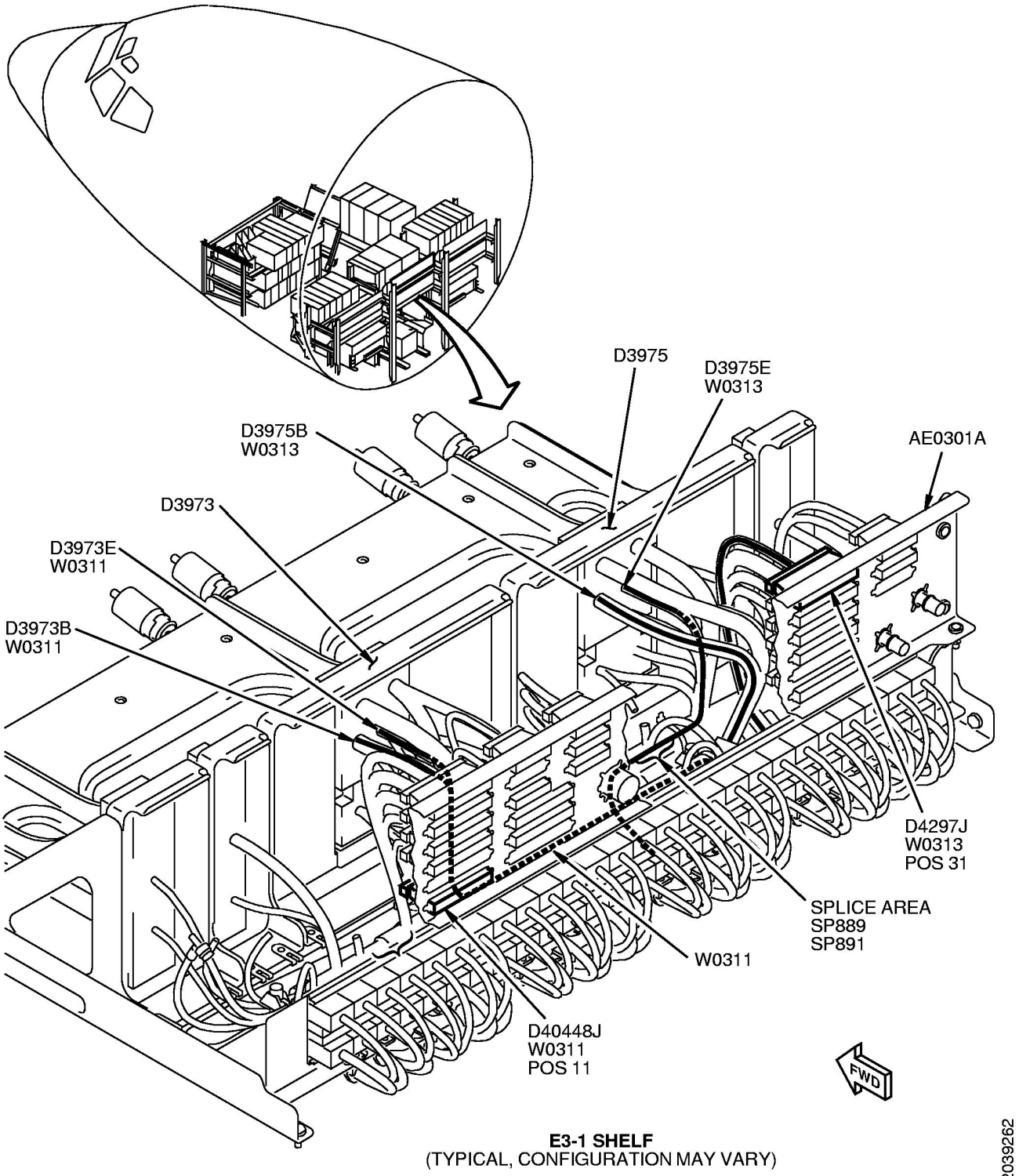
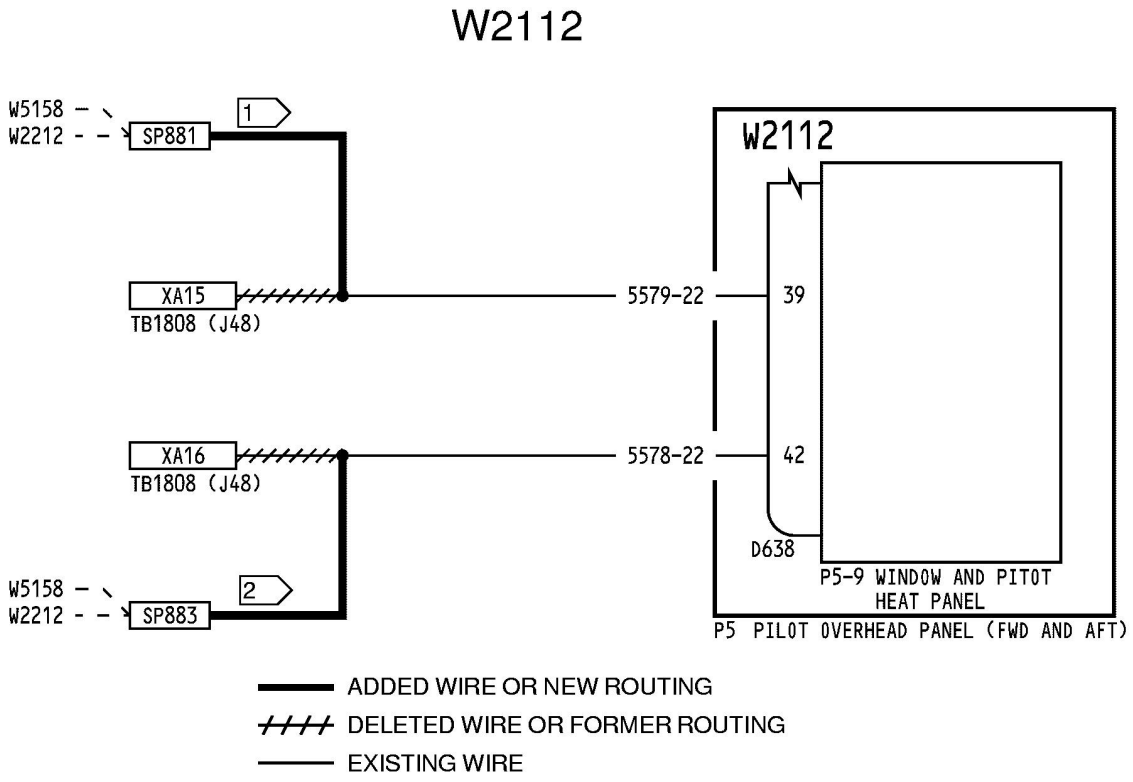


FIGURE 19: ROUTE THE WIRE BUNDLES, W0311 AND W0313, INSIDE E3-1 (SHEET 1 OF 1)

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This Figure applies only to: Group 10, 14.



2026304

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	WIRE	-	1	(a)
	LACING TAPE	280A2001-1	-	(a)
2	WIRE	-	1	(a)
	LACING TAPE	280A2001-1	-	(a)
(a) Refer to SWPM 20-10-11 as an accepted procedure.				

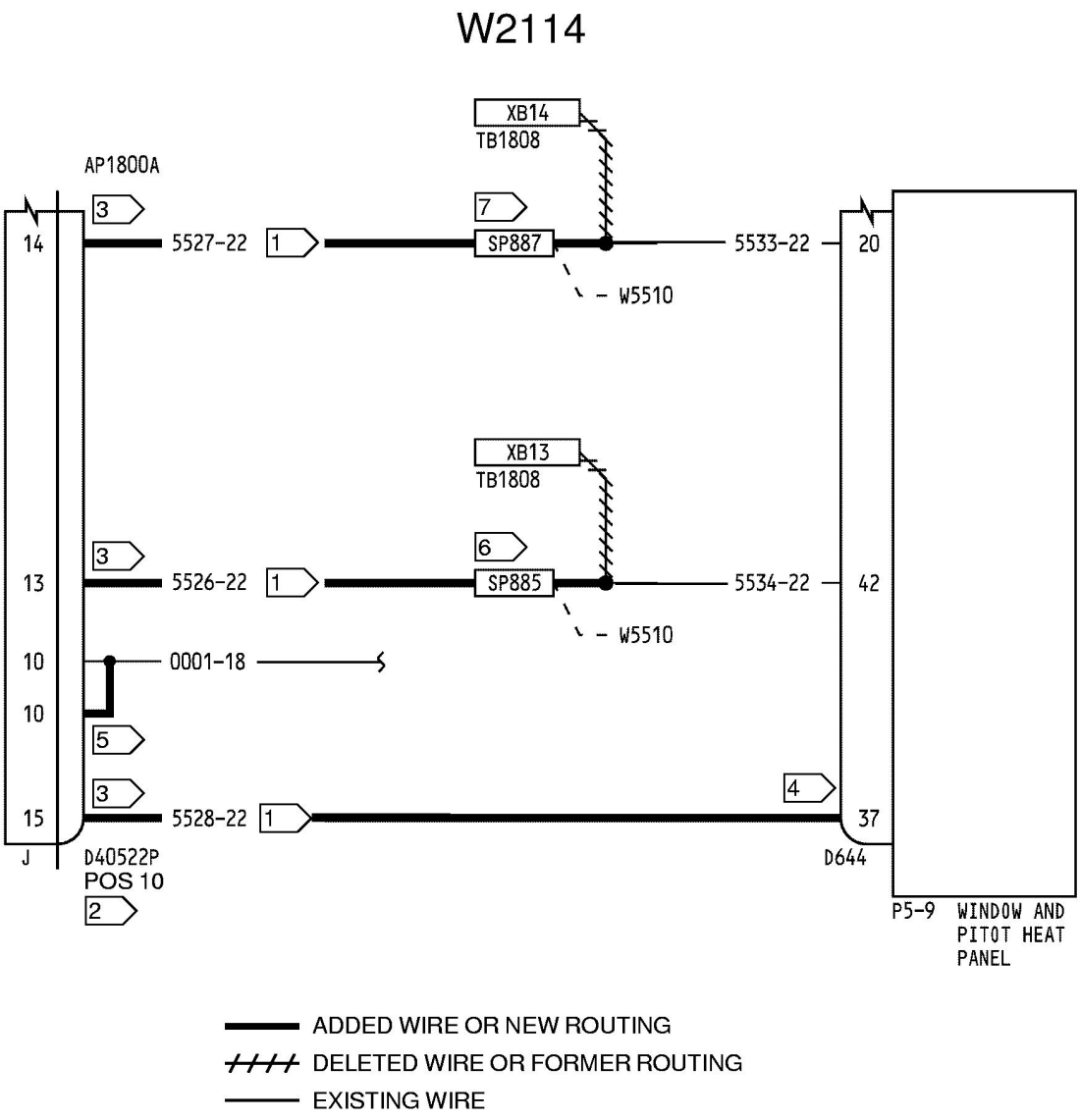
FIGURE 20: CHANGE THE WIRE BUNDLE, W2112 (ASSY - 106)
(SHEET 1 OF 1)

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This Figure applies only to: Group 10, 14.



Reference: 737-600/700/800/900 WDM 30-31-11

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	WIRE	BMS13-48T10C01G022	3	(a)
	LACING TAPE	280A2001-1	-	(a)

FIGURE 21: CHANGE THE WIRE BUNDLE, W2114
(SHEET 1 OF 2)

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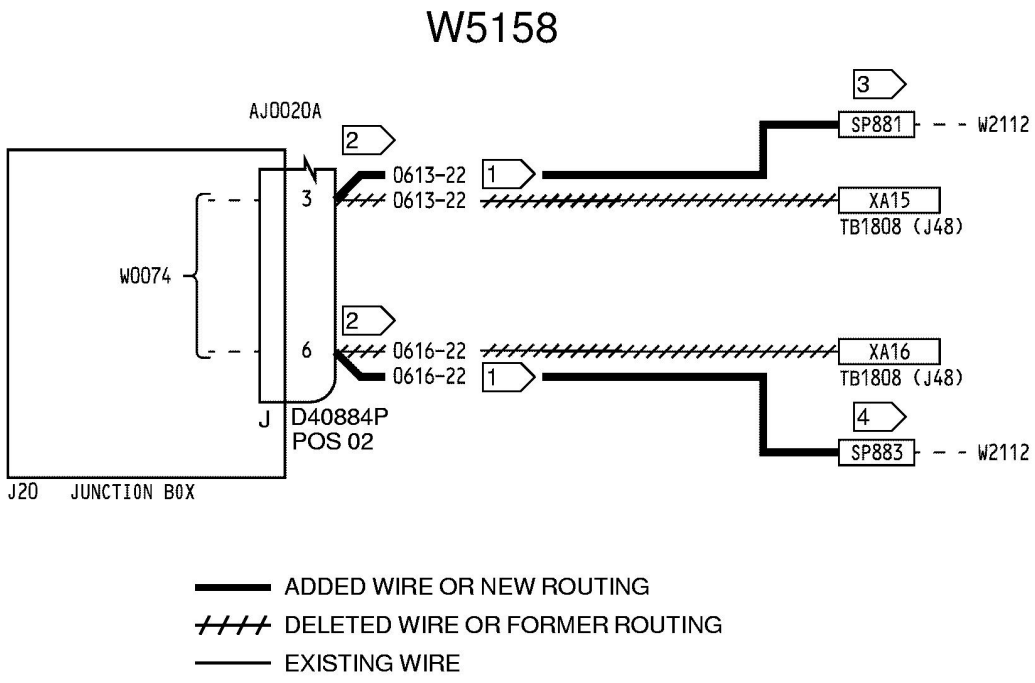
FLAG NOTE	NAME	IDENTIFICATION	QTY	MORE DATA
2	CONNECTOR, ELECTRICAL, PLUG, STRAIGHT, BAYONET COUPLING	BACC45FT16-24P7	1	Reterminate existing wires from D40522P to the same pins in the new D40522P. (b)
	PLUG	MS27488-20-1	12	Use as required. (e)
	ID TAPE - CONNECTOR	280A3157-10703	1	(a)
3	CONTACT, PIN	BACC47CN1S	3	(b)
4	CONTACT, SOCKET	BACC47CP1S	1	(b)
5	CONTACT	P209553D	1	Replace the oversize pin.
6	SPLICE	D436-37	1	(d)
	ID SLEEVE - SPLICE	280A3157-10702	1	(c)
7	SPLICE	D436-37	1	(d)
	ID SLEEVE - SPLICE	280A3157-10701	1	(c)
(a) Refer to SWPM 20-10-11 as an accepted procedure.				
(b) Refer to SWPM 20-61-11 as an accepted procedure.				
(c) Refer to SWPM 20-10-14 as an accepted procedure.				
(d) Refer to SWPM 20-30-12 as an accepted procedure.				
(e) Refer to SWPM 20-00-11 as an accepted procedure.				

FIGURE 21: CHANGE THE WIRE BUNDLE, W2114
(SHEET 2 OF 2)

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This Figure applies only to: Group 10, 14.



Reference: 737-600/700/800/900 WDM 30-31-12

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	WIRE	BMS13-48T10C01G022	2	(a)
	LACING TAPE	280A2001-1	-	(a)
2	CONTACT, SOCKET	BACC47CP1S	2	(b)
3	SPLICE	D436-37	1	(a) (d)
	ID SLEEVE - SPLICE	280A3157-11301	1	(c)
4	SPLICE	D436-37	1	(a) (d)
	ID SLEEVE - SPLICE	280A3157-11302	1	(c)
(a) Refer to SWPM 20-10-11 as an accepted procedure.				
(b) Refer to SWPM 20-61-11 as an accepted procedure.				
(c) Refer to SWPM 20-10-14 as an accepted procedure.				
(d) Refer to SWPM 20-30-12 as an accepted procedure.				

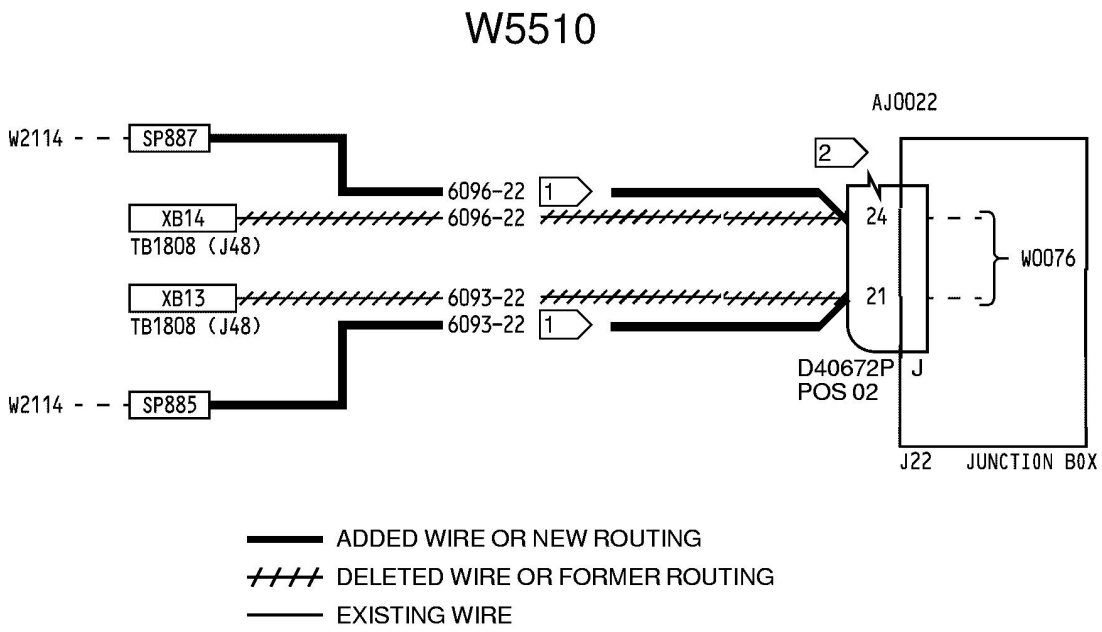
FIGURE 22: CHANGE THE WIRE BUNDLE, W5158
(SHEET 1 OF 1)

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This Figure applies only to: Group 10, 14.



Reference: 737-600/700/800/900 WDM 30-31-11

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	WIRE	BMS13-58T1C1G22	2	(a)
	LACING TAPE	280A2001-1	-	(a)
2	CONTACT, SOCKET	BACC47CP1S	2	(b)
(a) Refer to SWPM 20-10-11 as an accepted procedure.				
(b) Refer to SWPM 20-61-11 as an accepted procedure.				

FIGURE 23: CHANGE THE WIRE BUNDLE, W5510
(SHEET 1 OF 1)

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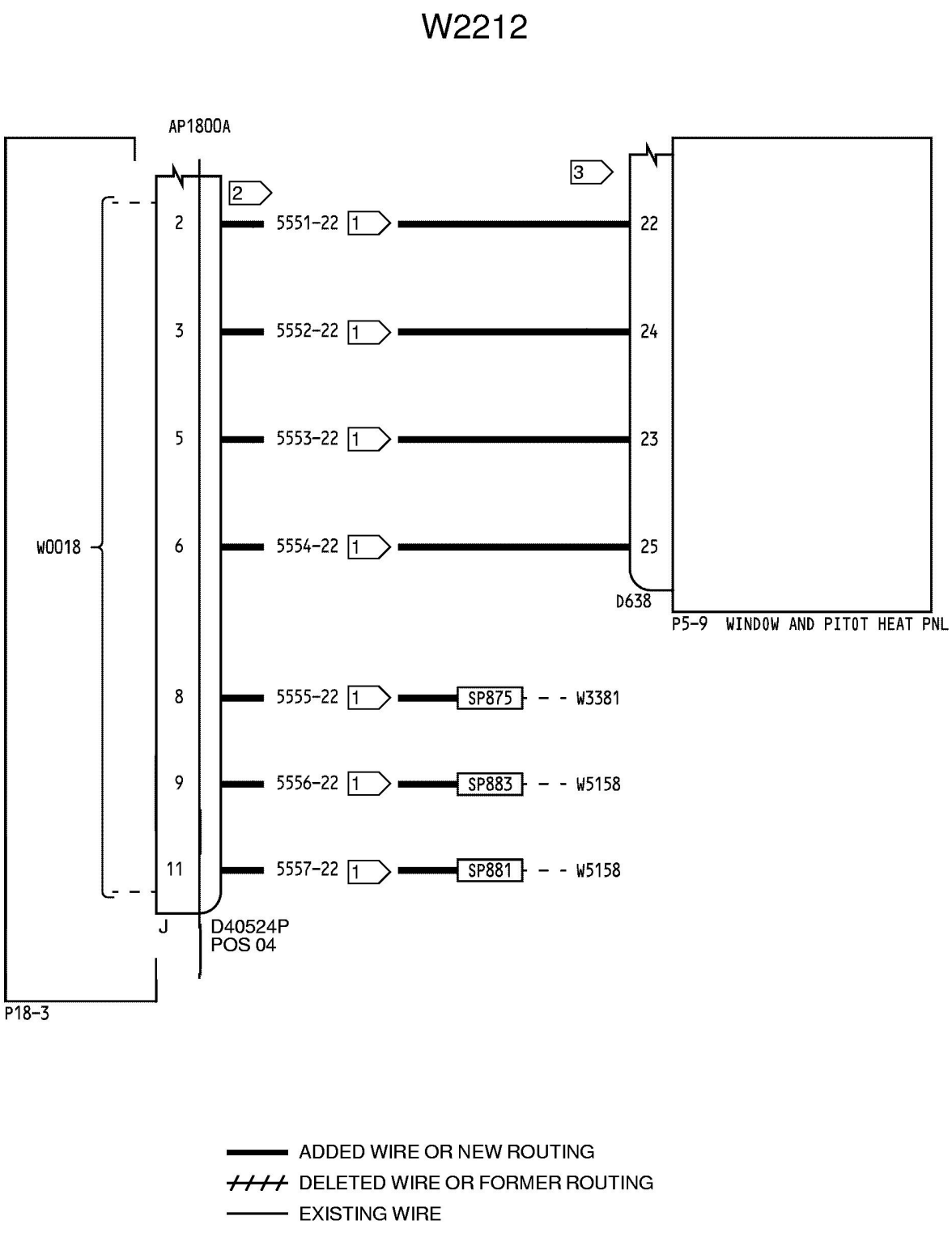


FIGURE 24: CHANGE THE WIRE BUNDLE, W2212
(SHEET 1 OF 2)

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Reference: 737-600/700/800/900 WDM 30-31-12

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	WIRE	BMS13-48T10C01G022	7	(a)
	LACING TAPE	280A2001-1	-	(a)
2	CONTACT, PIN	BACC47CN1S	7	(b)
3	CONTACT, SOCKET	BACC47CP1S	4	(b)
(a) Refer to SWPM 20-10-11 as an accepted procedure.				
(b) Refer to SWPM 20-61-11 as an accepted procedure.				

FIGURE 24: CHANGE THE WIRE BUNDLE, W2212
(SHEET 2 OF 2)

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This Figure applies only to: Group 10, 14.

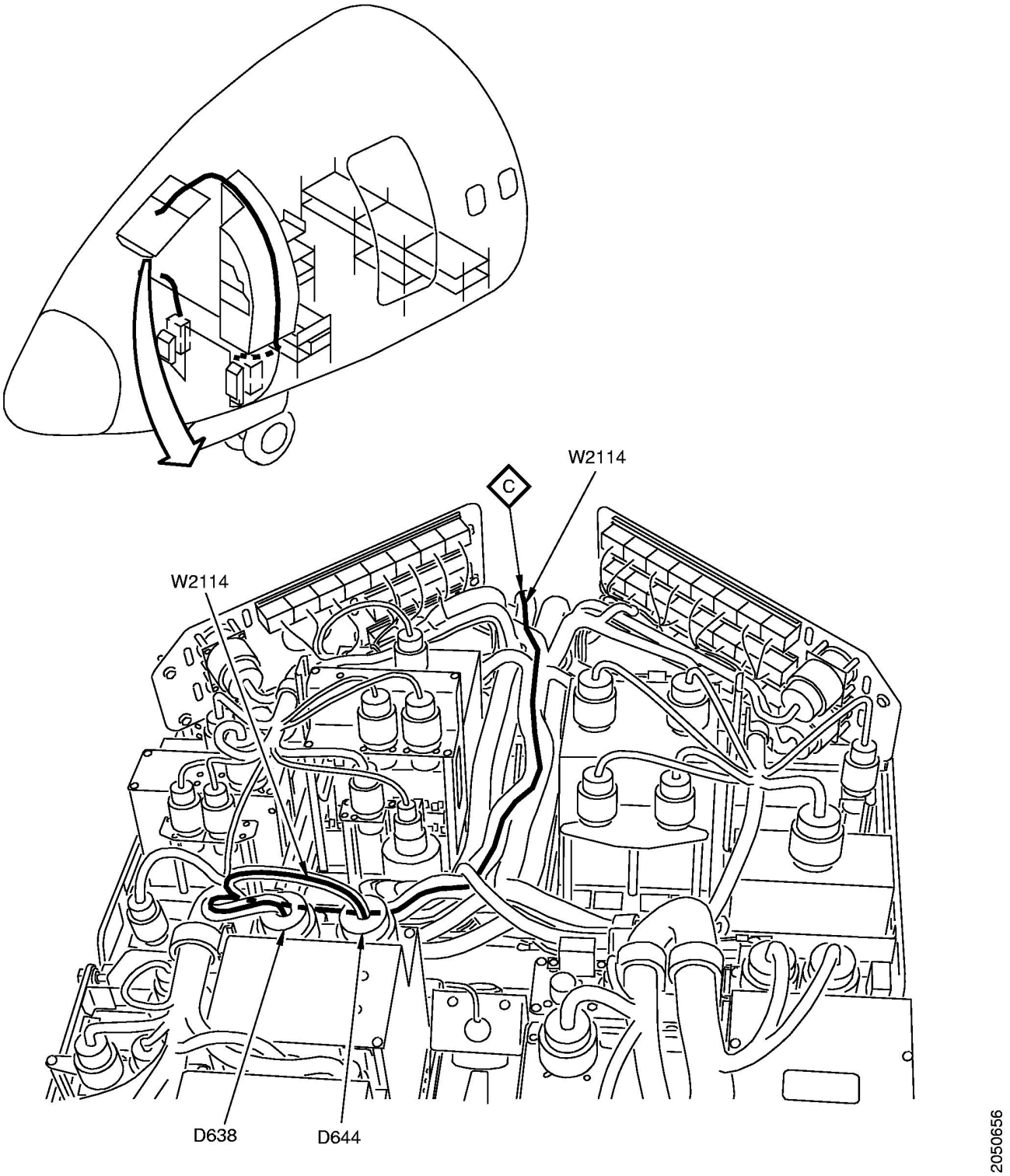


FIGURE 25: ROUTE THE WIRE BUNDLES, W2112, W2114, W2212, W5158 AND W5510 (SHEET 1 OF 5)

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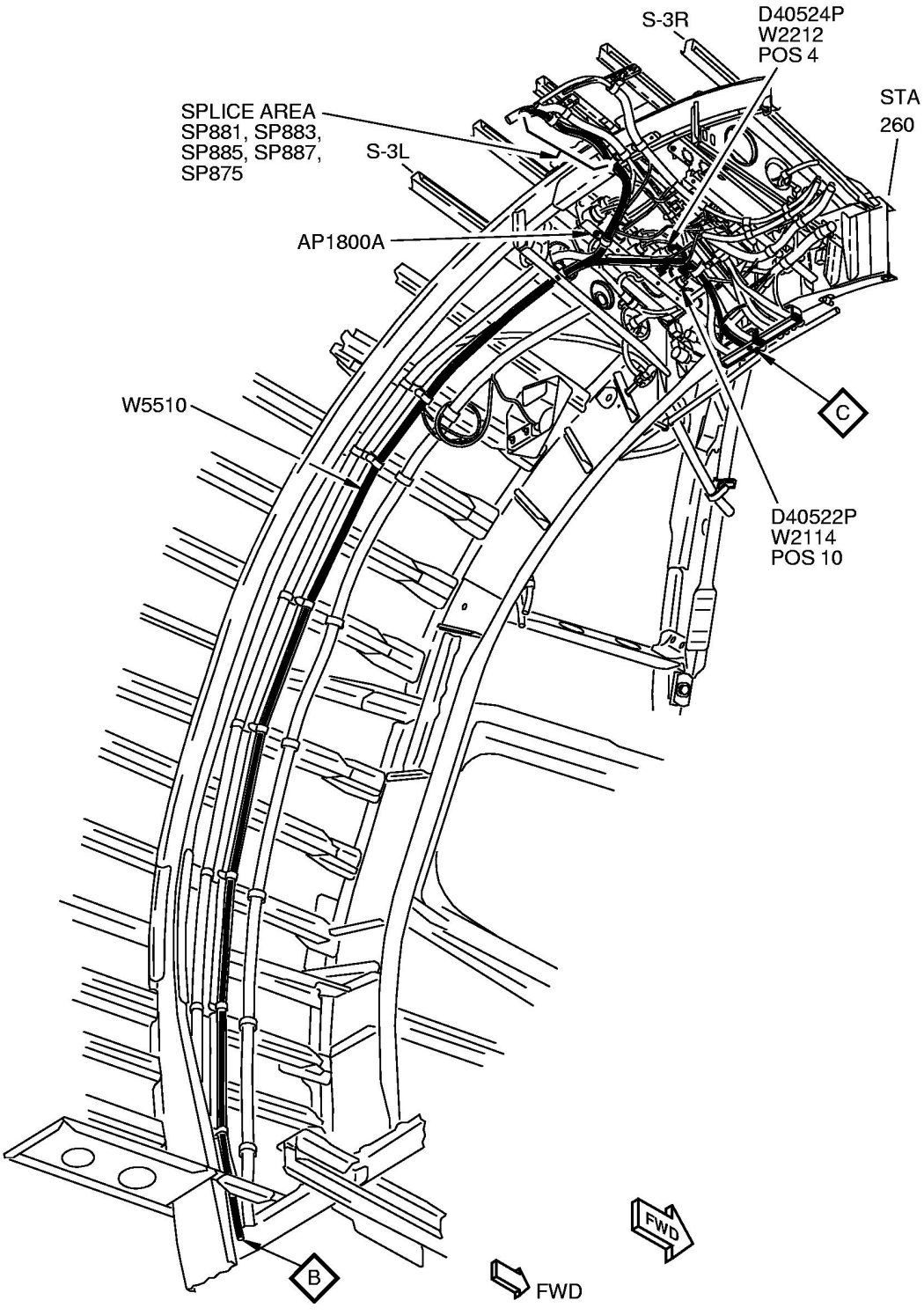


FIGURE 25: ROUTE THE WIRE BUNDLES, W2112, W2114, W2212, W5158 AND W5510 (SHEET 2 OF 5)

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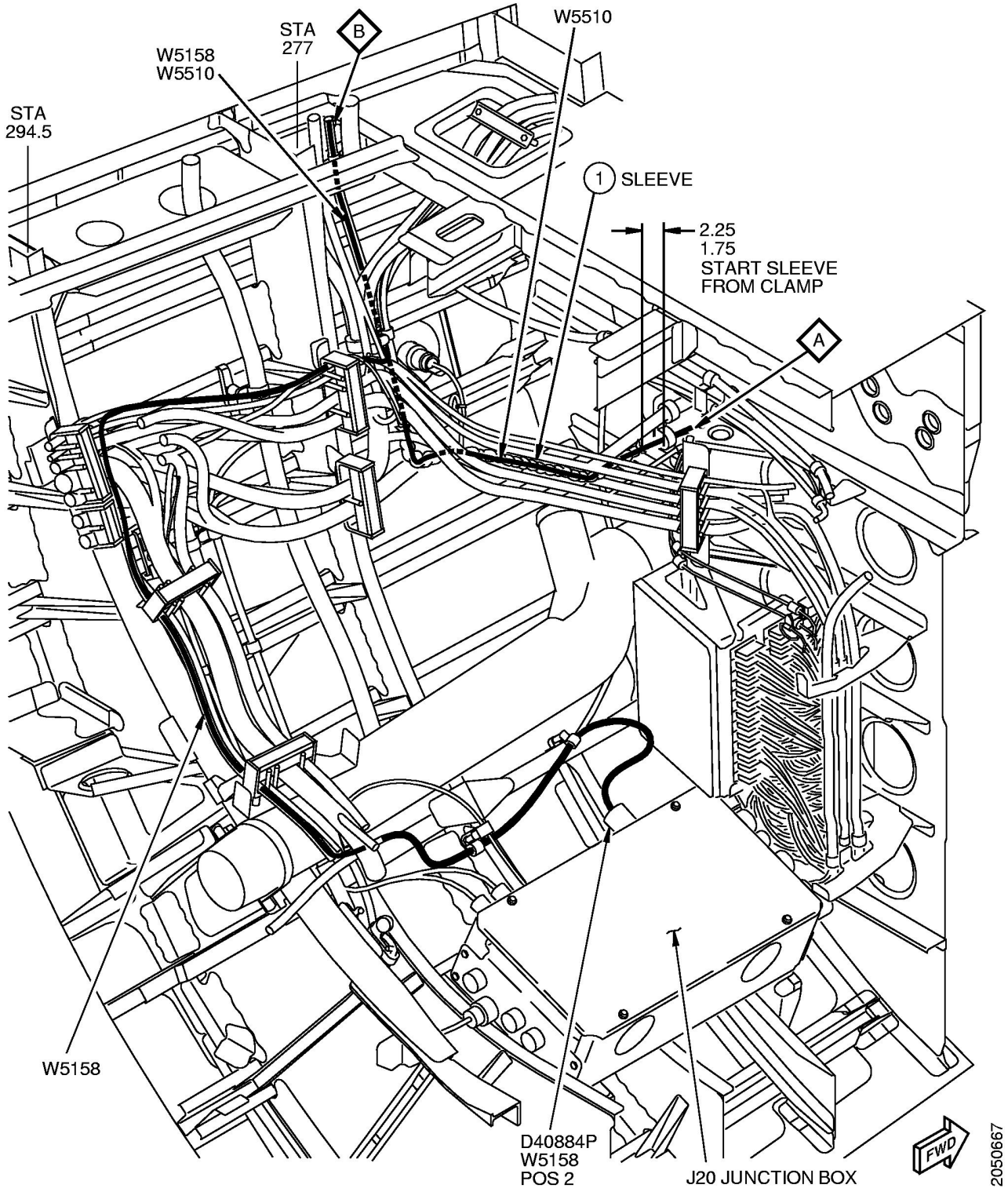


FIGURE 25: ROUTE THE WIRE BUNDLES, W2112, W2114, W2212, W5158 AND W5510 (SHEET 3 OF 5)

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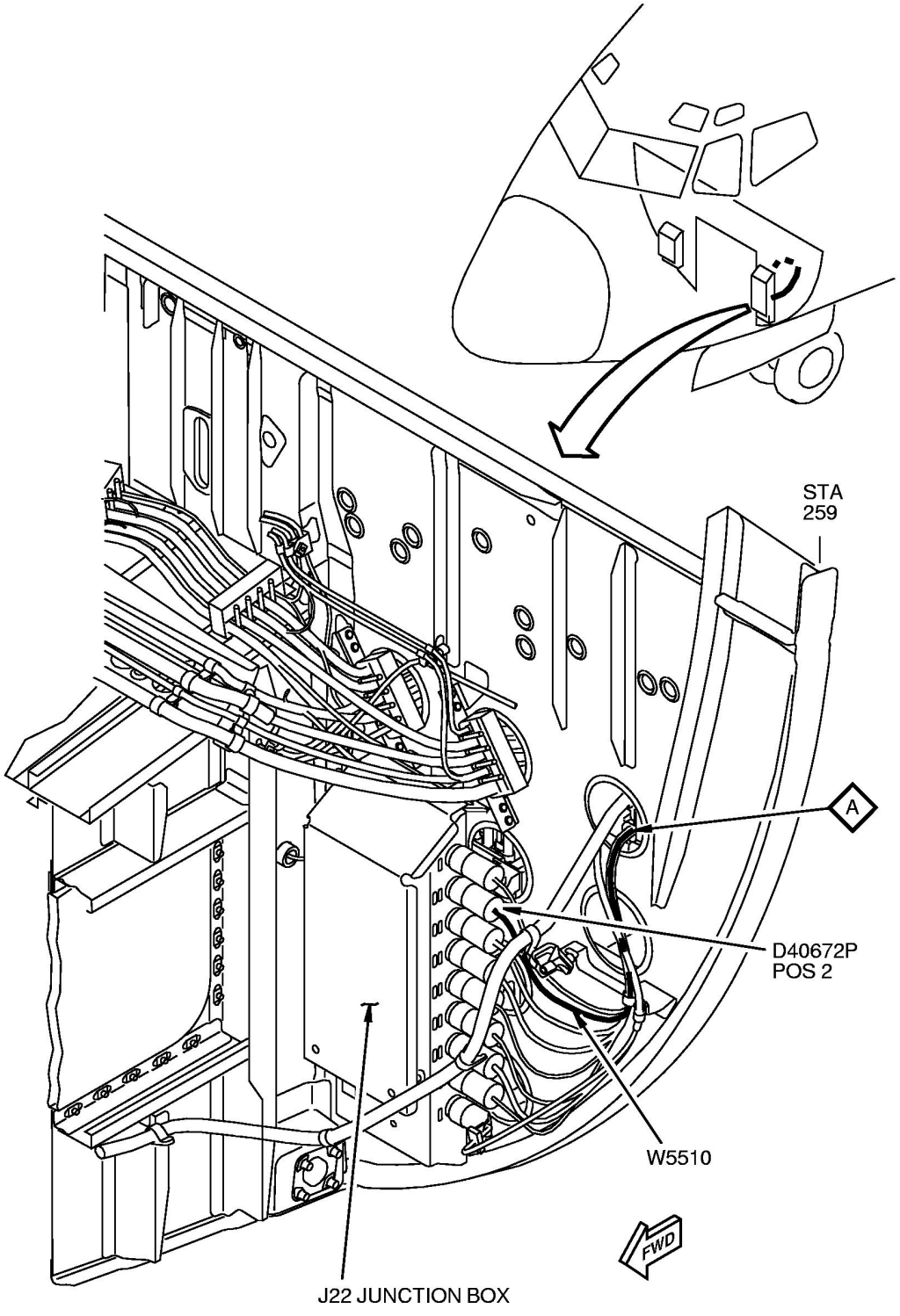


FIGURE 25: ROUTE THE WIRE BUNDLES, W2112, W2114, W2212, W5158 AND W5510 (SHEET 4 OF 5)

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STEP	TASK	NAME	IDENTIFICATION	QTY	MORE DATA
1	Install (New)	Sleeve	002A0006-80	1	(a) (b) (c)
	Tighten	LACING TAPE	280A2001-1	-	Use the lacing tape to tie sleeve to the wires, if necessary. (a)
(a) Refer to SWPM 20-10-11 as an accepted procedure.					
(b) Refer to SWPM 20-10-14 and SWPM 20-10-18 as accepted procedures.					
(c) Cut sleeve to 36 inches.					

FIGURE 25: ROUTE THE WIRE BUNDLES, W2112, W2114, W2212, W5158 AND W5510 (SHEET 5 OF 5)

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This Figure applies only to: Group 1-9, 11, 13.

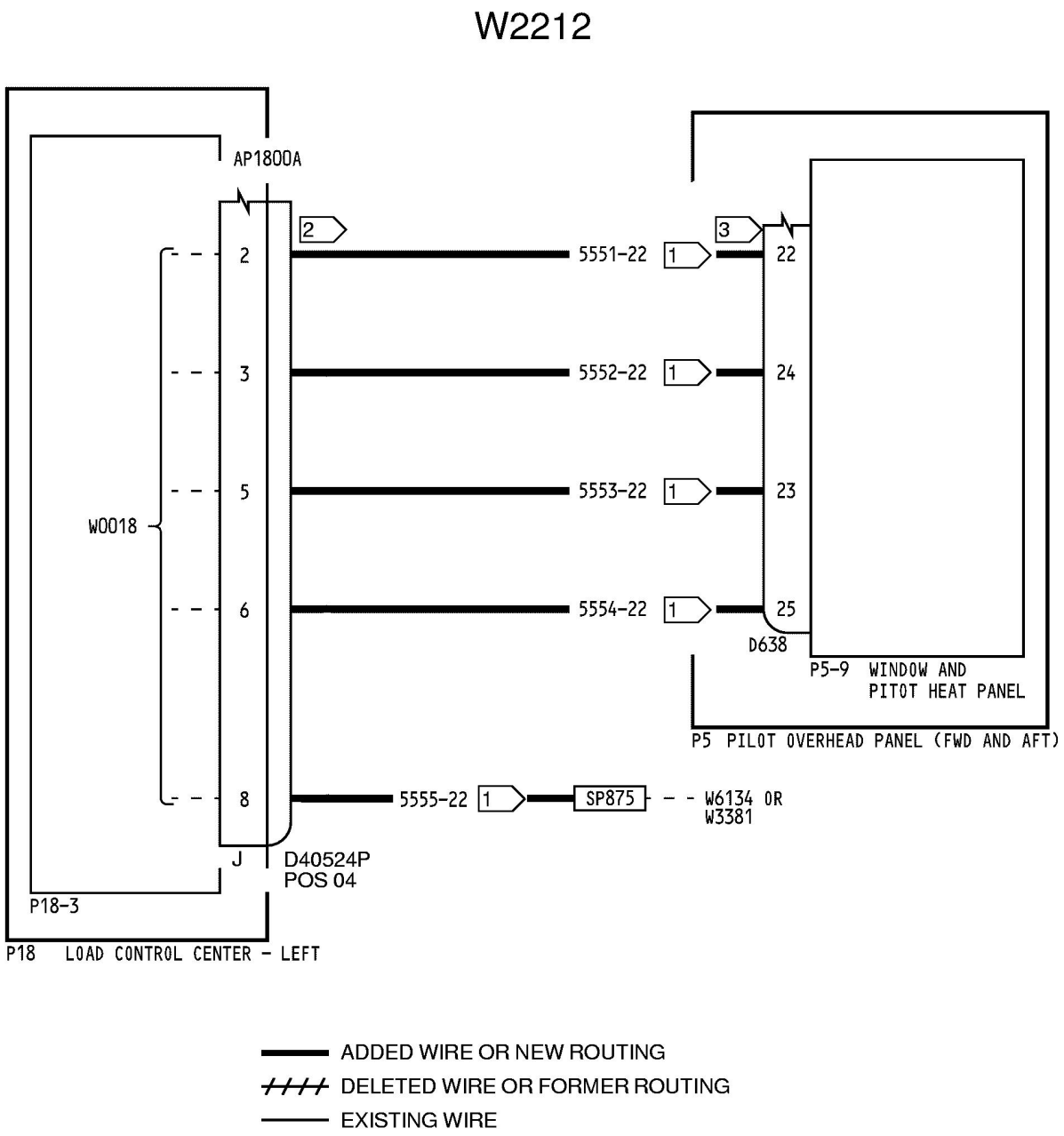


FIGURE 26: CHANGE THE WIRE BUNDLE, W2212
(SHEET 1 OF 2)

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Reference: 737-600/700/800/900 WDM 30-31-12

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	WIRE	BMS13-48T10C01G022	5	(a)
	LACING TAPE	280A2001-1	-	(a)
2	CONTACT, PIN	BACC47CN1S	5	(b)
3	CONTACT, SOCKET	BACC47CP1S	4	(b)
(a) Refer to SWPM 20-10-11 as an accepted procedure.				
(b) Refer to SWPM 20-61-11 as an accepted procedure.				

FIGURE 26: CHANGE THE WIRE BUNDLE, W2212
(SHEET 2 OF 2)

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This Figure applies only to: Group 1-9, 11, 13.

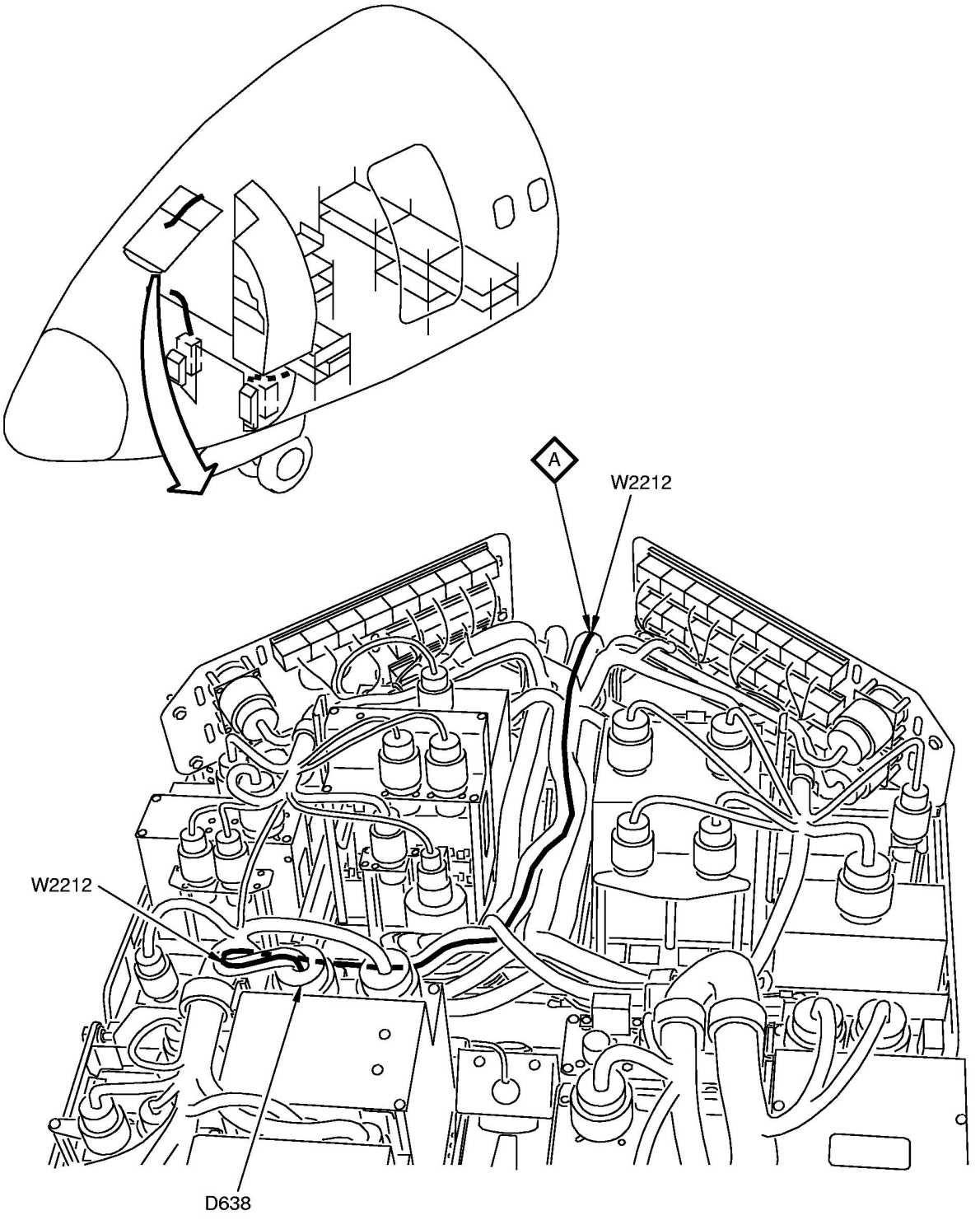


FIGURE 27: ROUTE THE WIRE BUNDLE, W2212
(SHEET 1 OF 2)

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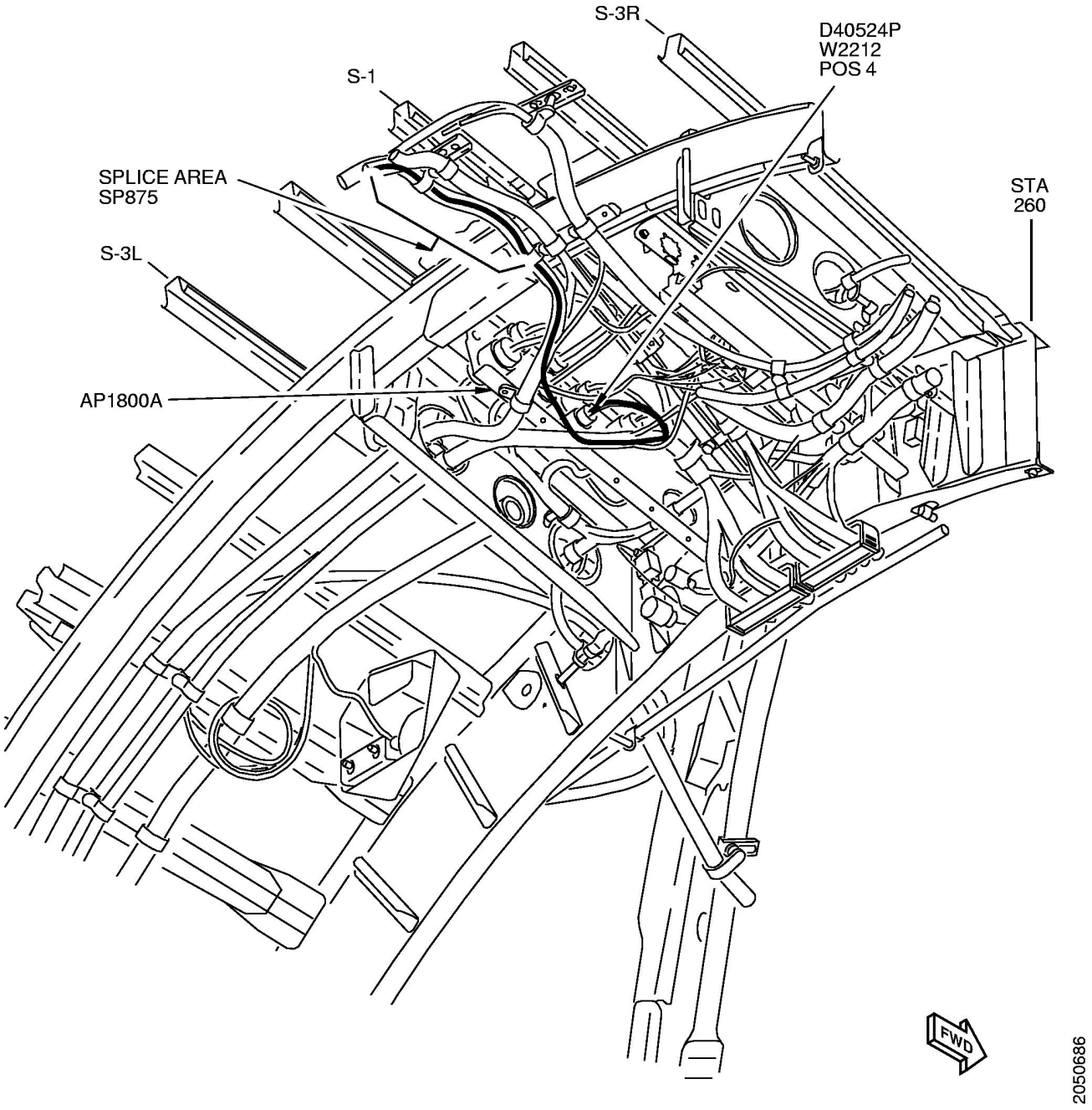


FIGURE 27: ROUTE THE WIRE BUNDLE, W2212
(SHEET 2 OF 2)

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This Figure applies only to: Group 1, 3, 6, 12-13.

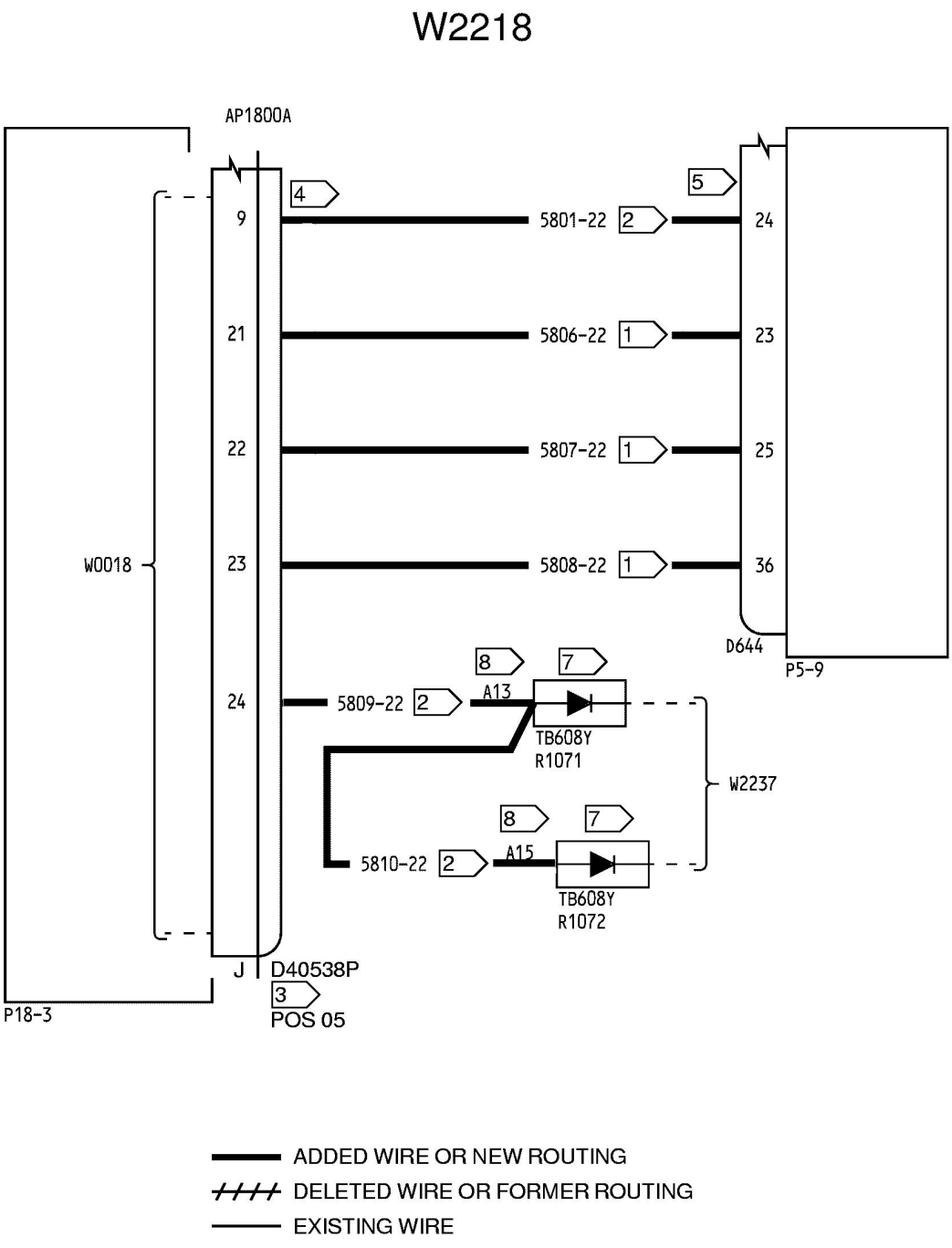


FIGURE 28: CHANGE THE WIRE BUNDLE, W2218
(SHEET 1 OF 2)

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Reference: 737-600/700/800/900 WDM 30-31-11

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	WIRE	BMS13-48T10C01G022	3	(a)
	LACING TAPE	280A2001-1	-	(a)
2	WIRE	BMS13-58T1C1G22	3	(a)
	LACING TAPE	280A2001-1	-	(a)
3	CONNECTOR, ELECTRICAL, PLUG, STRAIGHT, BAYONET COUPLING	BACC45FT16-24P9	1	Reterminate existing wires from D40538P to the same pins in the new D40538P. (c)
	PLUG	MS27488-20-1	43	Use as required. (e)
	ID TAPE - CONNECTOR	280A3157-11001	1	(a)
4	CONTACT, PIN	BACC47CN1S	5	(b)
5	CONTACT, SOCKET	BACC47CP1S	4	(b)
6	TERMINAL MODULE	S280W555-104	2	(d)
	ID SLEEVE - DIODE	280A3157-11002	1	(c)
7	TERMINAL MODULE	S280W555-751	1	(d)
	ID SLEEVE - DIODE	280A3157-11003	1	(c)
8	CONTACT, PIN, SIZE 20	S280W555-920	3	(f)
(a) Refer to SWPM 20-10-11 as an accepted procedure.				
(b) Refer to SWPM 20-61-11 as an accepted procedure.				
(c) Refer to SWPM 20-10-14 as an accepted procedure.				
(d) Refer to SWPM 20-90-15 as an accepted procedure.				
(e) Refer to SWPM 20-00-11 as an accepted procedure.				
(f) Refer to SWPM 20-90-11 as an accepted procedure.				

FIGURE 28: CHANGE THE WIRE BUNDLE, W2218
(SHEET 2 OF 2)

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This Figure applies only to: Group 2, 4, 7-8, 10, 14.

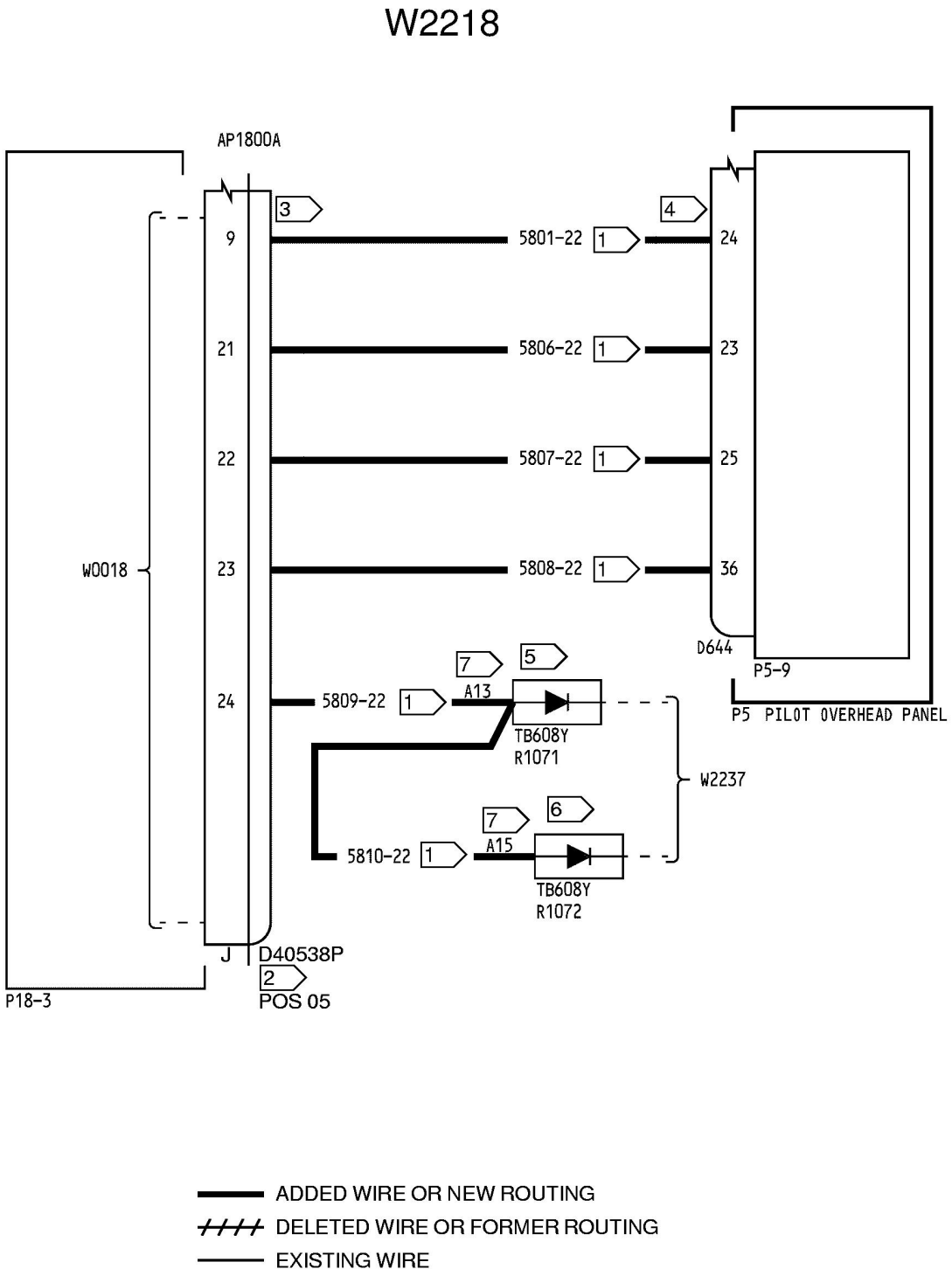


FIGURE 29: CHANGE THE WIRE BUNDLE, W2218
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Reference: 737-600/700/800/900 WDM 30-31-11

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	WIRE	BMS13-48T10C01G022	6	(a)
	LACING TAPE	280A2001-1	-	(a)
2	CONNECTOR, ELECTRICAL, PLUG, STRAIGHT, BAYONET COUPLING	BACC45FT16-24P9	1	Reterminate existing wires from D40538P to the same pins in the new D40538P. (b)
	PLUG	MS27488-20-1	43	Use as required. (f)
	ID TAPE - CONNECTOR	280A3157-11101	1	(a)
3	CONTACT, PIN	BACC47CN1S	5	(b)
4	CONTACT, SOCKET	BACC47CP1S	4	(b)
5	TERMINAL MODULE	S280W555-104	2	(d)
	ID SLEEVE - DIODE	280A3157-11102	1	(c)
6	TERMINAL MODULE	S280W555-751	1	(d)
	ID SLEEVE - DIODE	280A3157-11103	1	(c)
7	CONTACT, PIN, SIZE 20	S280W555-920	3	(e)
(a) Refer to SWPM 20-10-11 as an accepted procedure.				
(b) Refer to SWPM 20-61-11 as an accepted procedure.				
(c) Refer to SWPM 20-10-14 as an accepted procedure.				
(d) Refer to SWPM 20-90-15 as an accepted procedure.				
(e) Refer to SWPM 20-90-11 as an accepted procedure.				
(f) Refer to SWPM 20-00-11 as an accepted procedure.				

FIGURE 29: CHANGE THE WIRE BUNDLE, W2218
(SHEET 2 OF 2)

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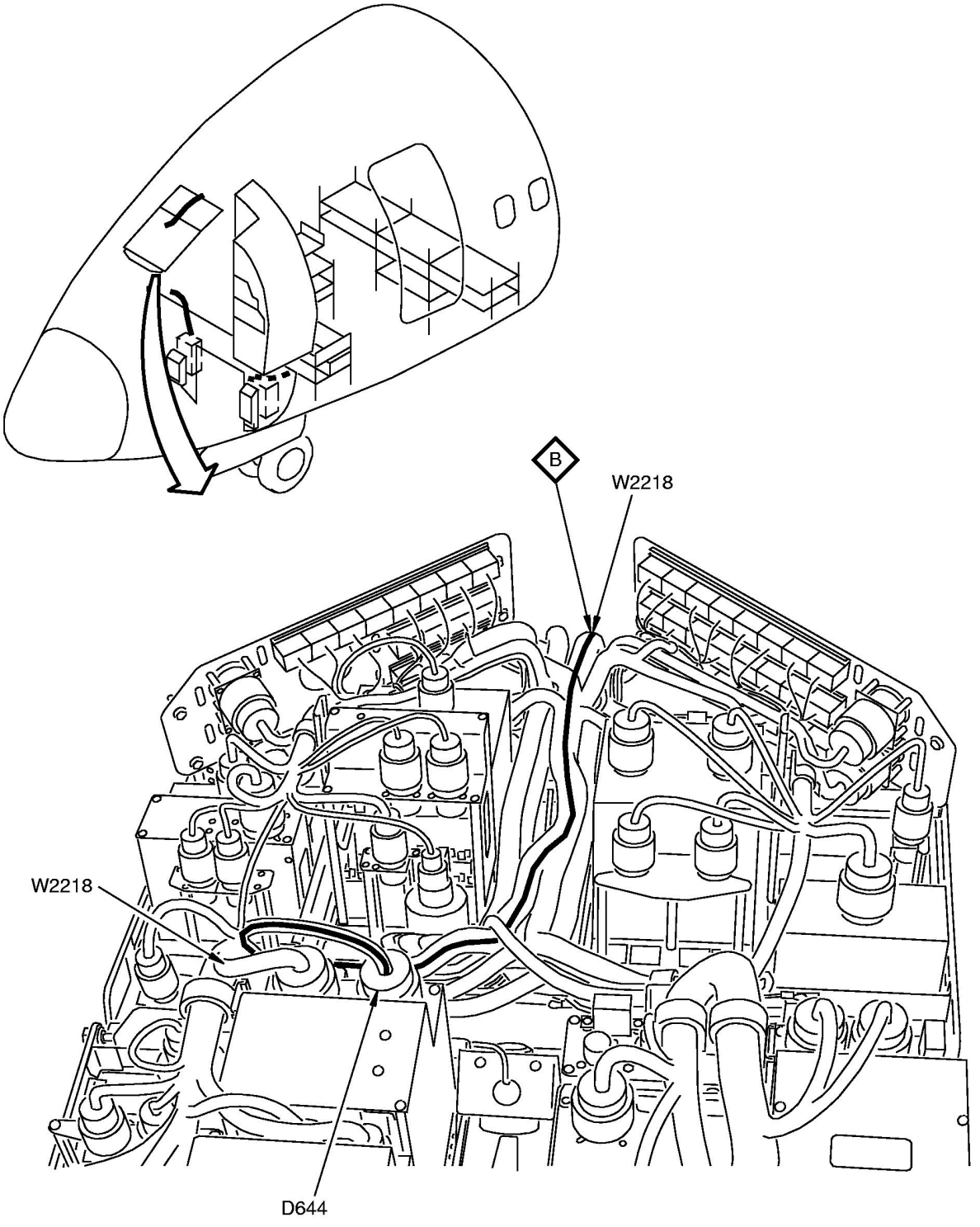


FIGURE 30: ROUTE THE WIRE BUNDLE, W2218
(SHEET 1 OF 4)

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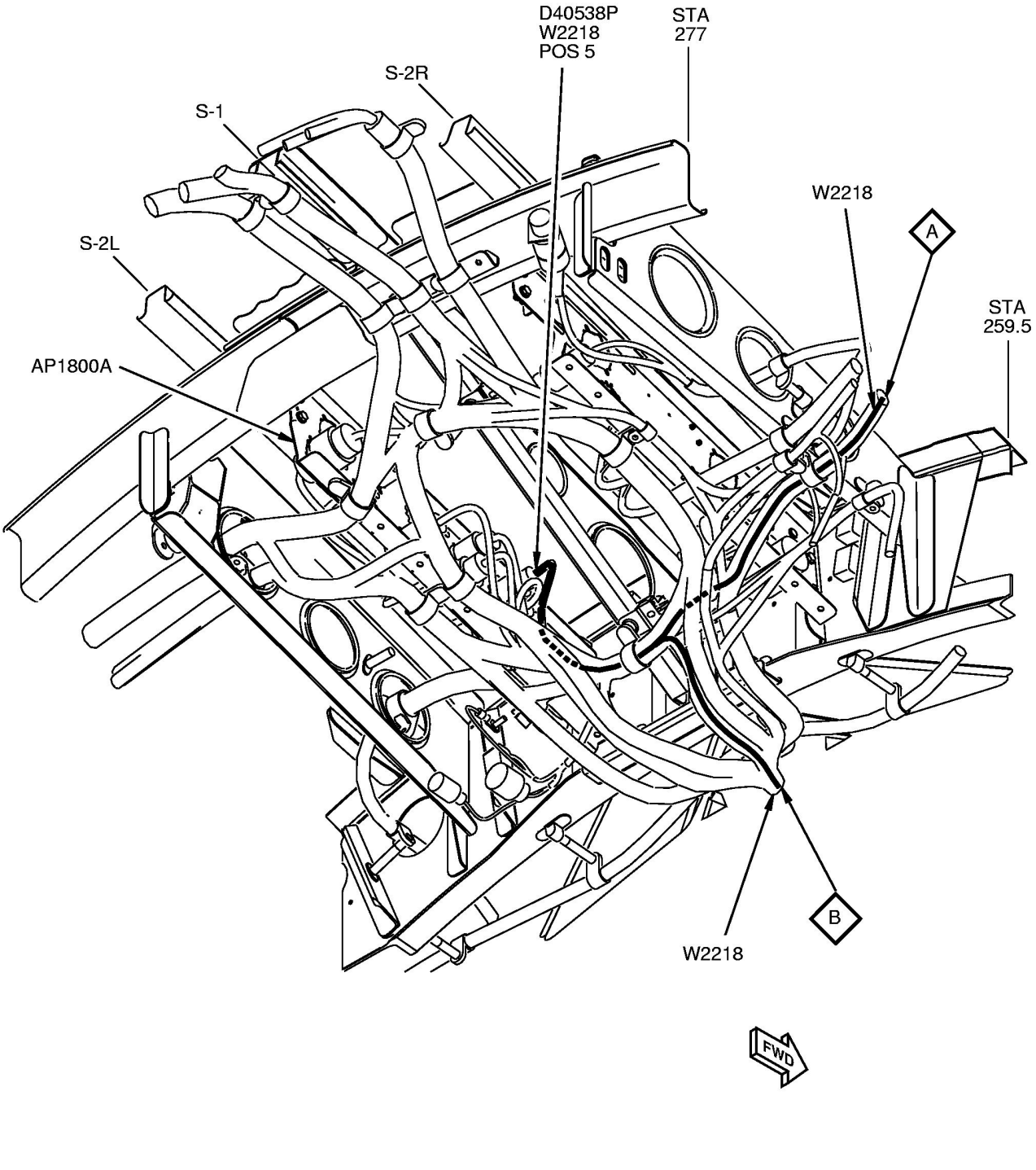


FIGURE 30: ROUTE THE WIRE BUNDLE, W2218
(SHEET 2 OF 4)

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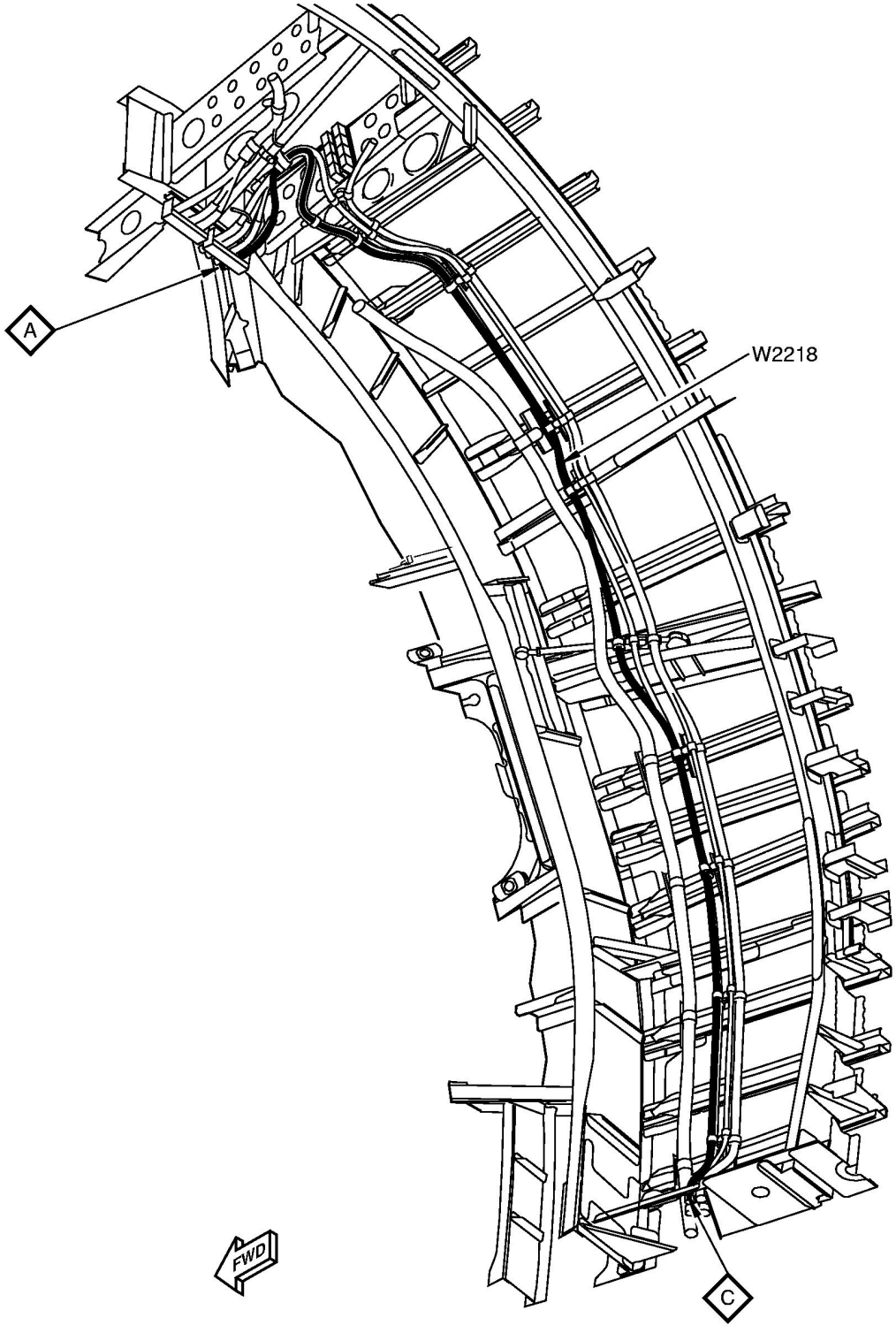


FIGURE 30: ROUTE THE WIRE BUNDLE, W2218
(SHEET 3 OF 4)

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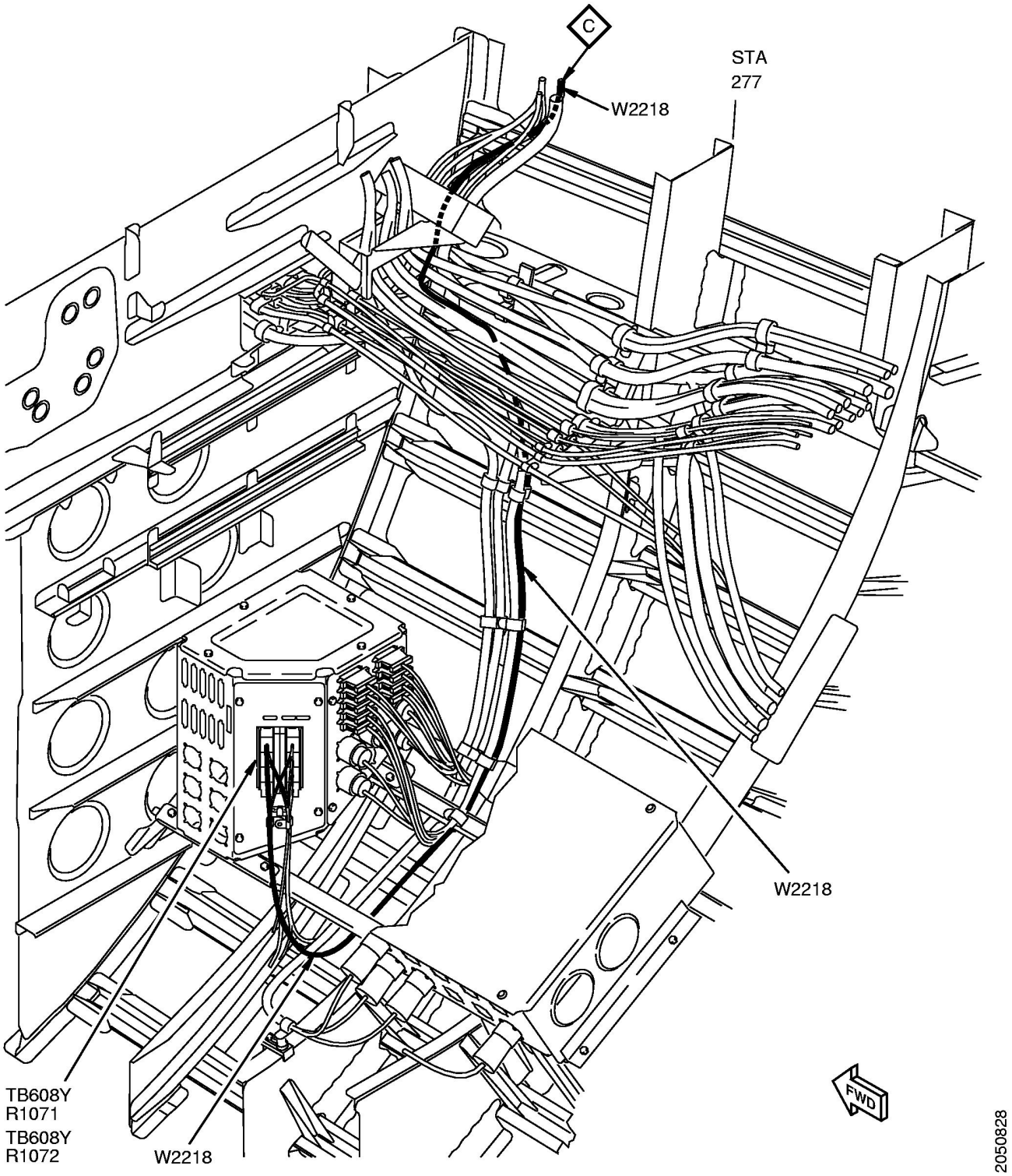
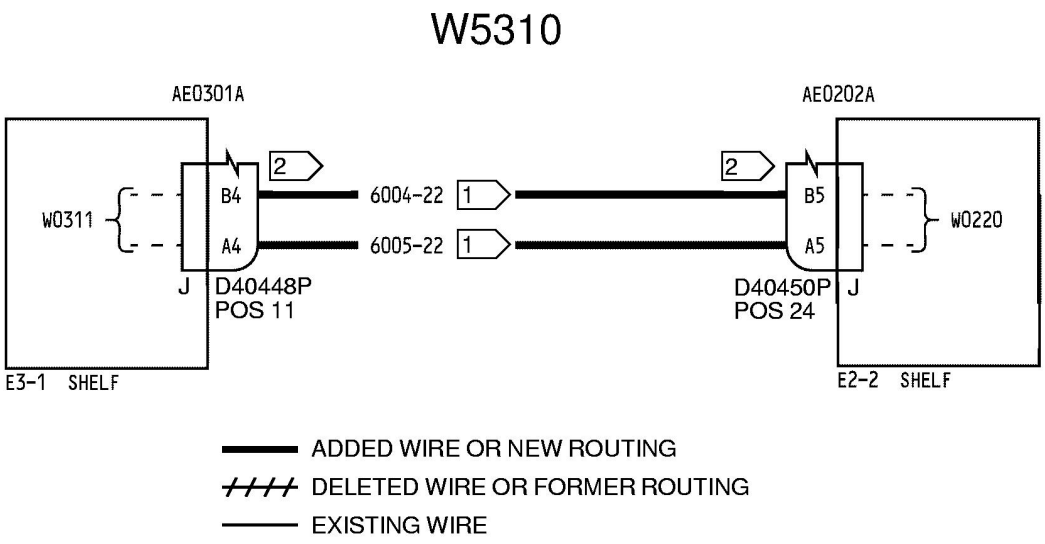


FIGURE 30: ROUTE THE WIRE BUNDLE, W2218
(SHEET 4 OF 4)

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2026346

Reference: 737-600/700/800/900 WDM 30-31-11

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	WIRE	BMS13-48T10C01G022	2	(a)
	LACING TAPE	280A2001-1	-	(a)
2	CONTACT, PIN, SIZE 20	CTA-0166	4	(b)
(a) Refer to SWPM 20-10-11 as an accepted procedure.				
(b) Refer to SWPM 20-74-11 as an accepted procedure.				

FIGURE 31: CHANGE THE WIRE BUNDLE, W5310
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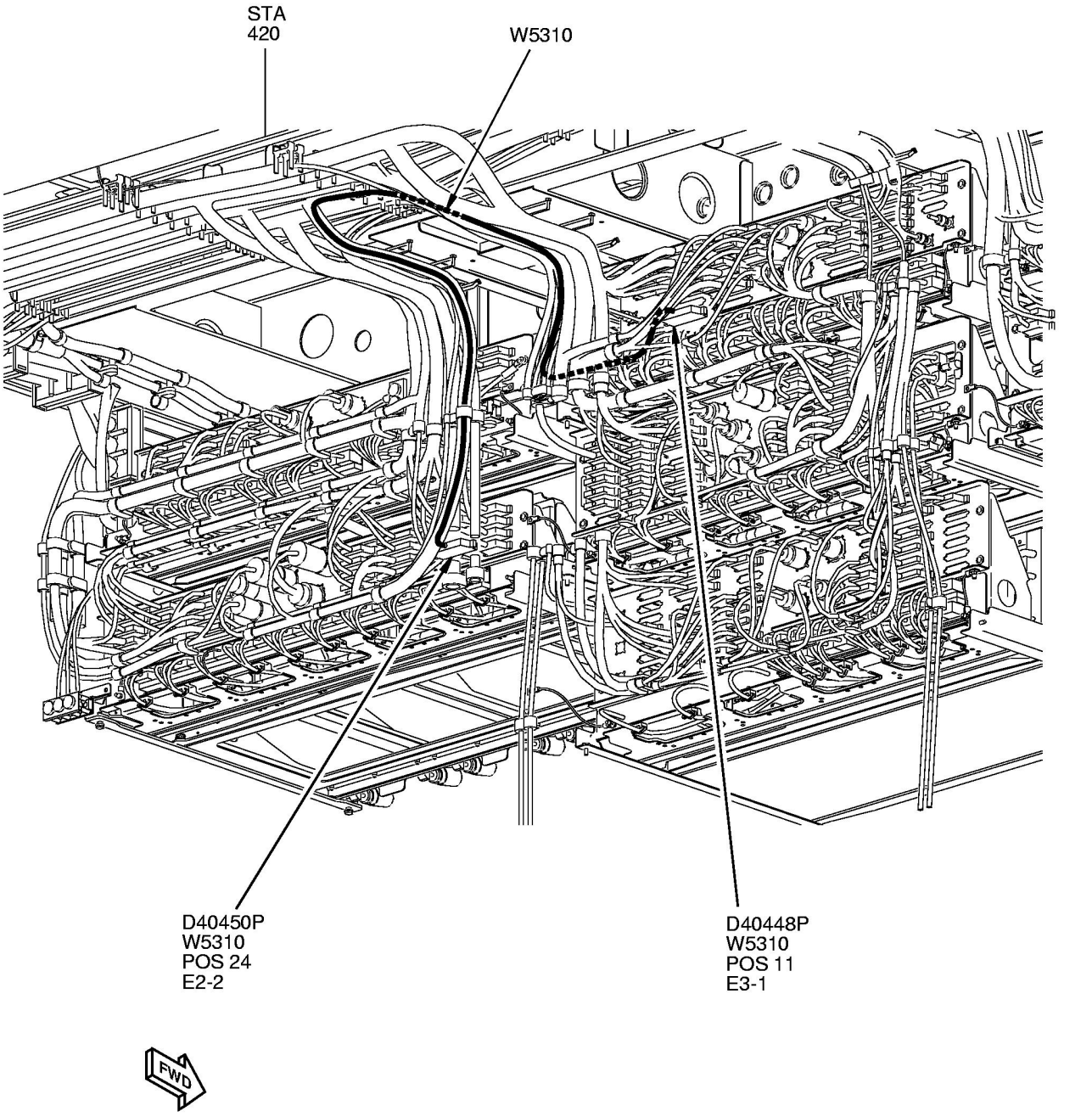
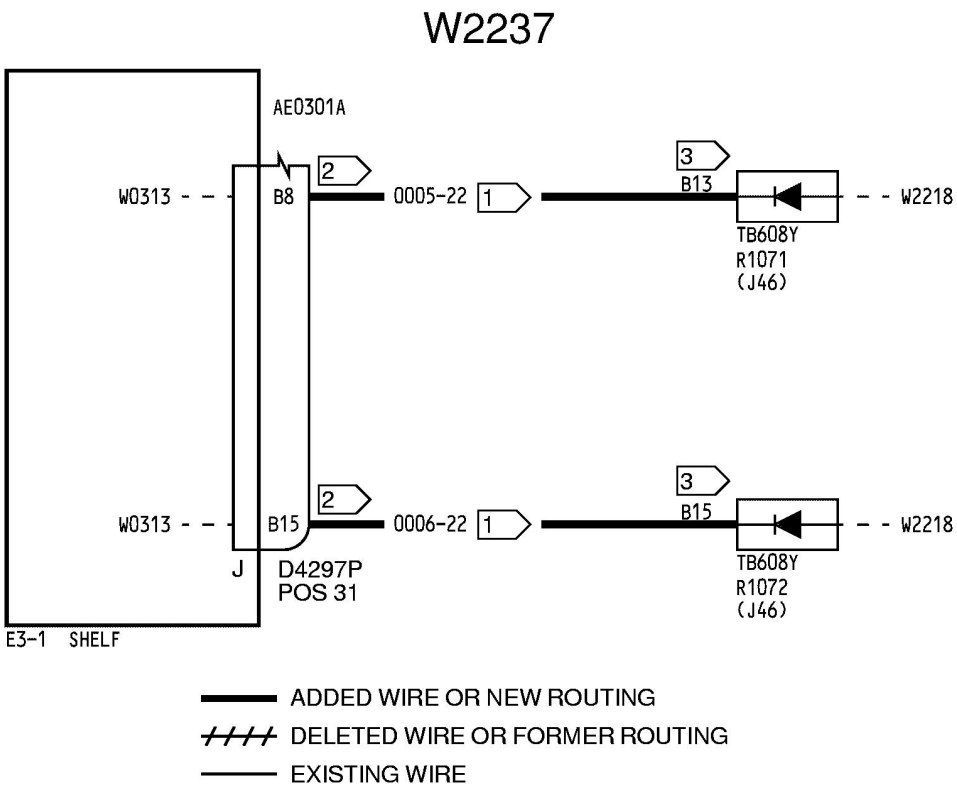


FIGURE 32: ROUTE THE WIRE BUNDLE, W5310, FROM E2-2 TO E3-1 (SHEET 1 OF 1)

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2026333

Reference: 737-600/700/800/900 WDM 30-31-11

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	WIRE	BMS13-48T10C01G022	2	(a)
	LACING TAPE	280A2001-1	-	(a)
2	CONTACT, PIN, SIZE 20	CTA-0166	2	(b)
3	CONTACT, PIN, SIZE 20	S280W555-920	2	(c)
(a) Refer to SWPM 20-10-11 as an accepted procedure.				
(b) Refer to SWPM 20-74-11 as an accepted procedure.				
(c) Refer to SWPM 20-90-11 as an accepted procedure.				

FIGURE 33: CHANGE THE WIRE BUNDLE, W2237
(SHEET 1 OF 1)

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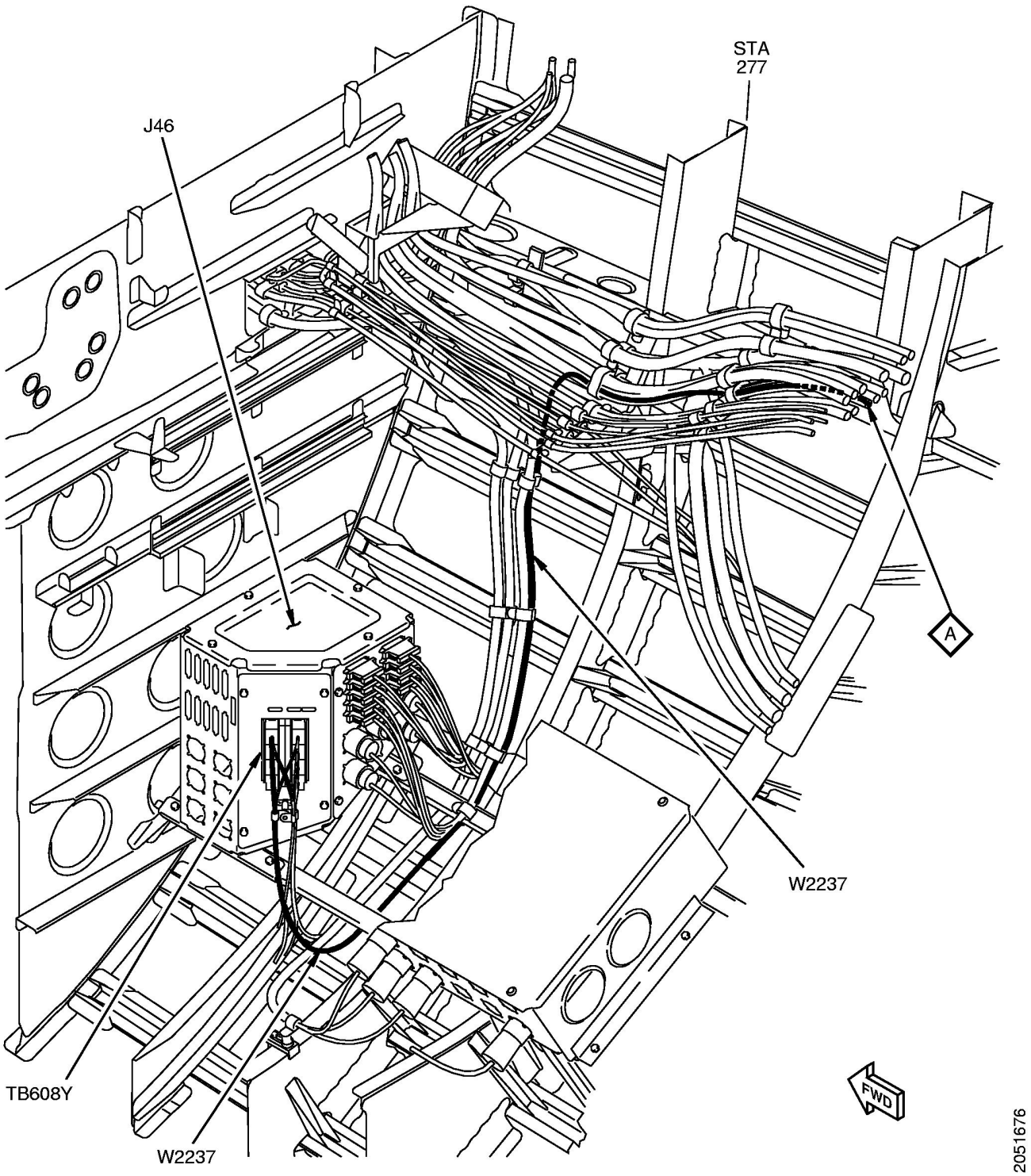


FIGURE 34: ROUTE THE WIRE BUNDLE, W2237
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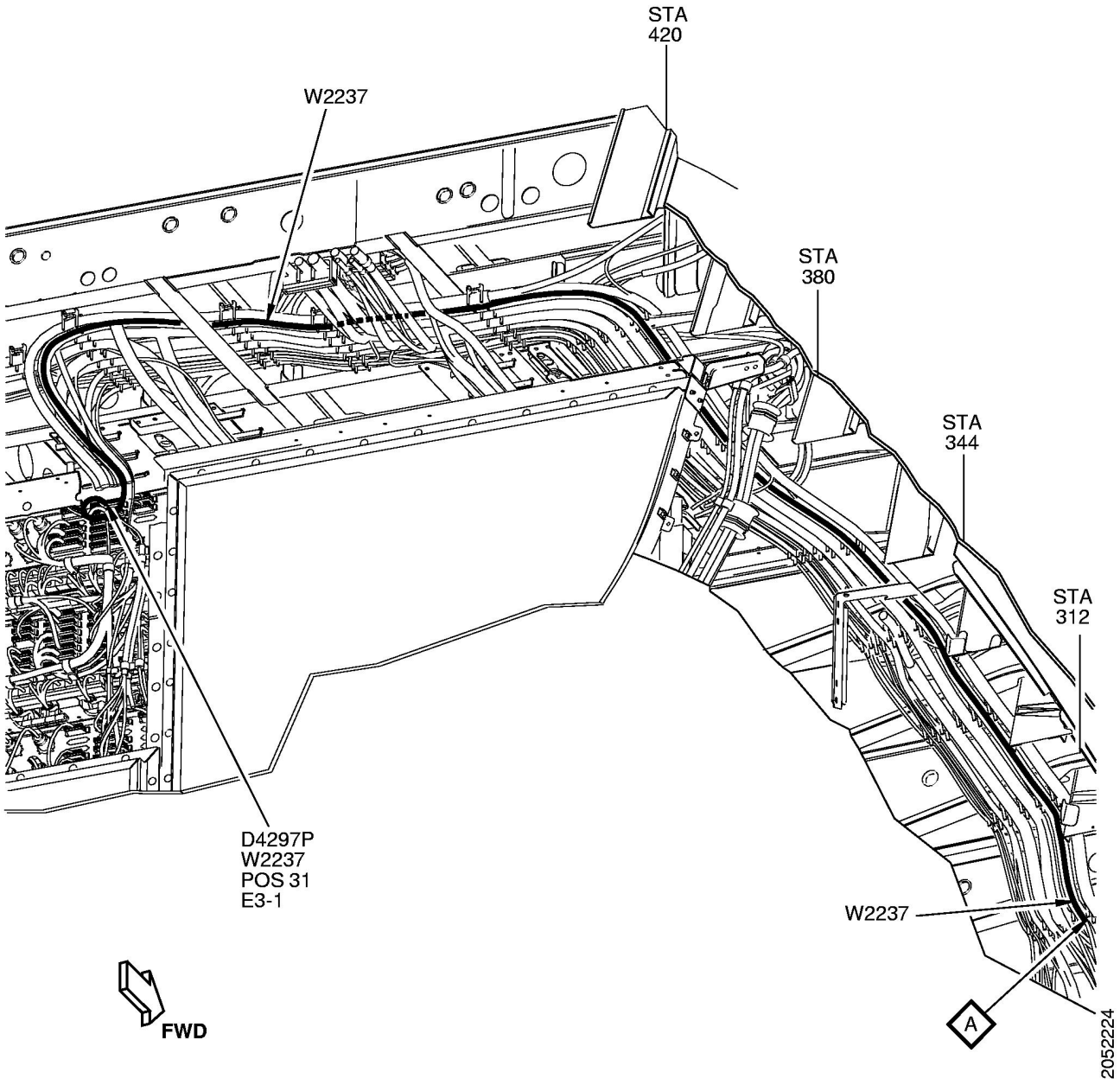
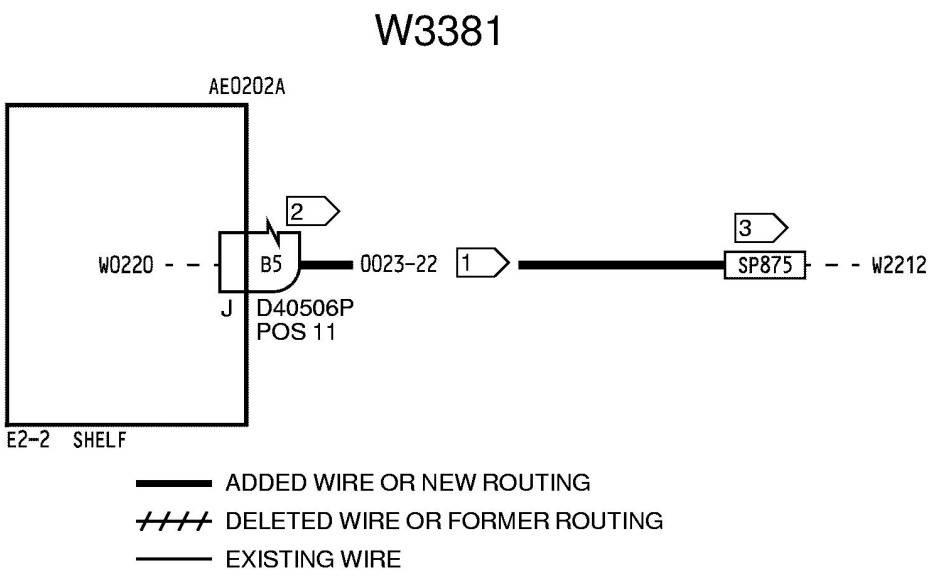


FIGURE 34: ROUTE THE WIRE BUNDLE, W2237
(SHEET 2 OF 2)

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ALERT **ALERT**

This Figure applies only to: Group 1-4, 6-7, 10, 14.



Reference: 737-600/700/800/900 WDM 30-31-12

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	WIRE	BMS13-48T10C01G022	1	(a)
	LACING TAPE	280A2001-1	-	(a)
2	CONTACT, SOCKET, SIZE 20	CTA-0165	1	(b)
3	SPLICE	D436-37	1	(d)
	ID SLEEVE - SPLICE	280A3157-11501	1	(c)
(a) Refer to SWPM 20-10-11 as an accepted procedure.				
(b) Refer to SWPM 20-74-11 as an accepted procedure.				
(c) Refer to SWPM 20-10-14 as an accepted procedure.				
(d) Refer to SWPM 20-30-12 as an accepted procedure.				

FIGURE 35: CHANGE THE WIRE BUNDLE, W3381
(SHEET 1 OF 1)

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This Figure applies only to: Group 1-4, 6-7, 10, 14.

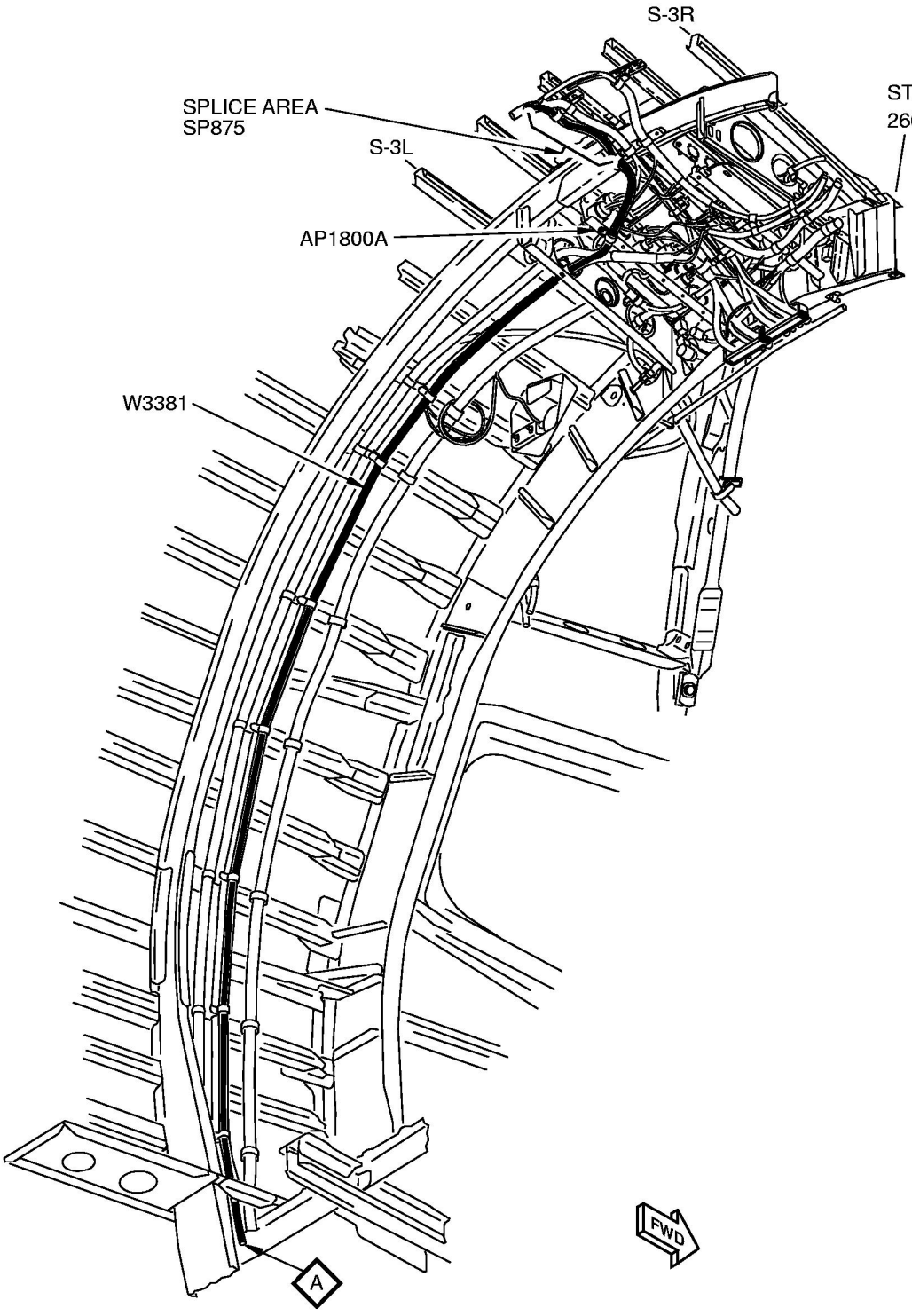


FIGURE 36: ROUTE THE WIRE BUNDLE, W3381
(SHEET 1 OF 5)

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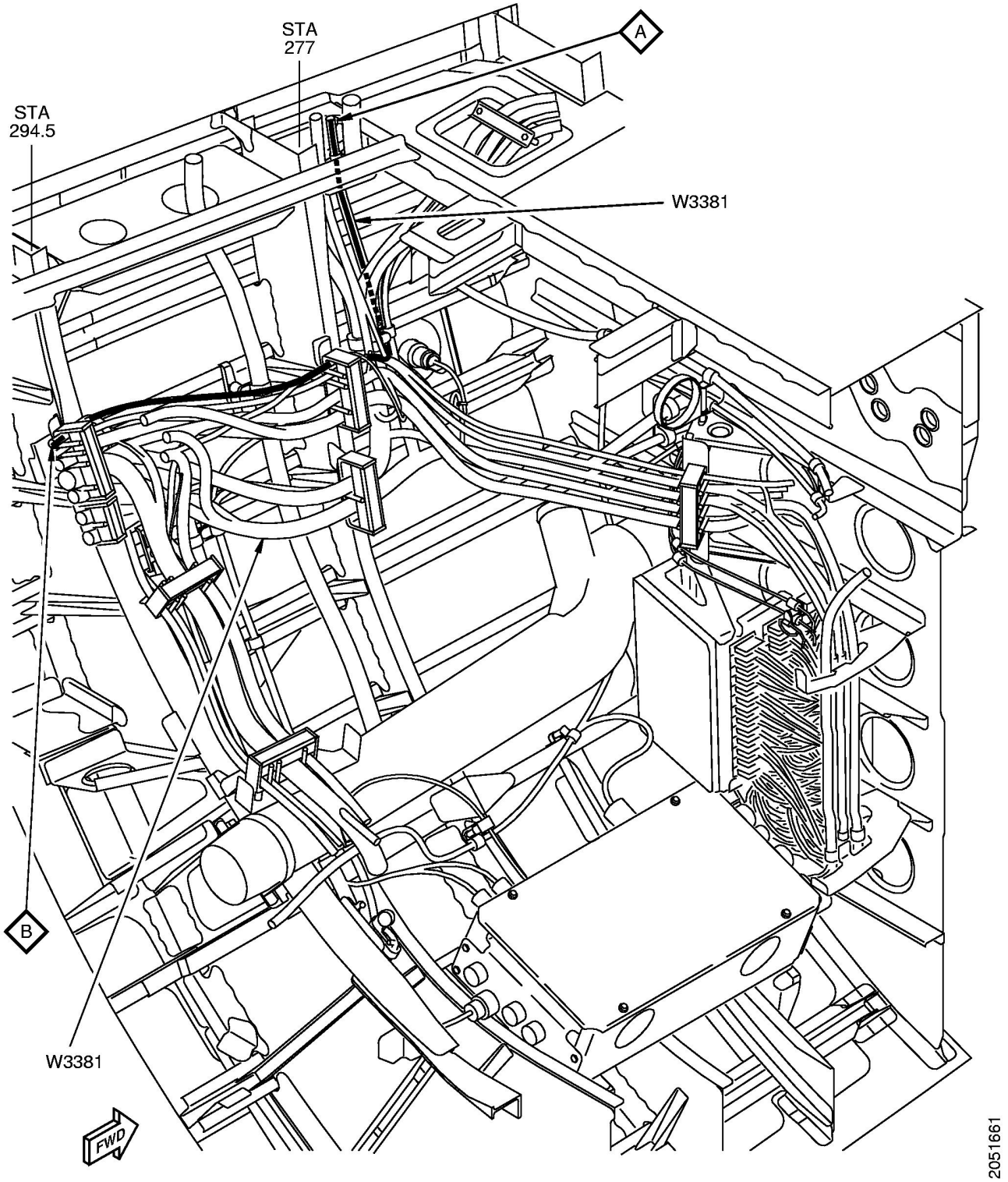


FIGURE 36: ROUTE THE WIRE BUNDLE, W3381
(SHEET 2 OF 5)

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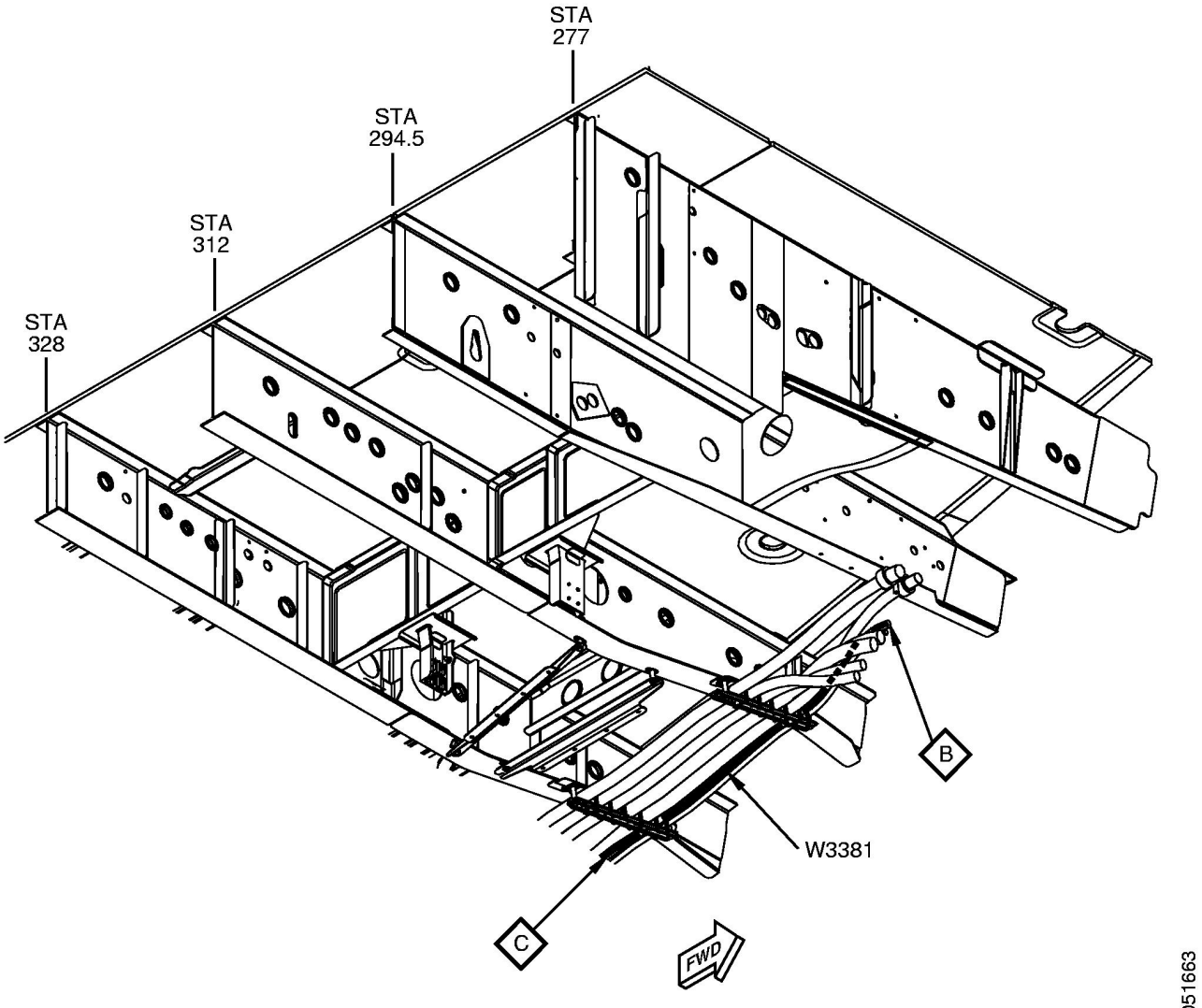


FIGURE 36: ROUTE THE WIRE BUNDLE, W3381
(SHEET 3 OF 5)

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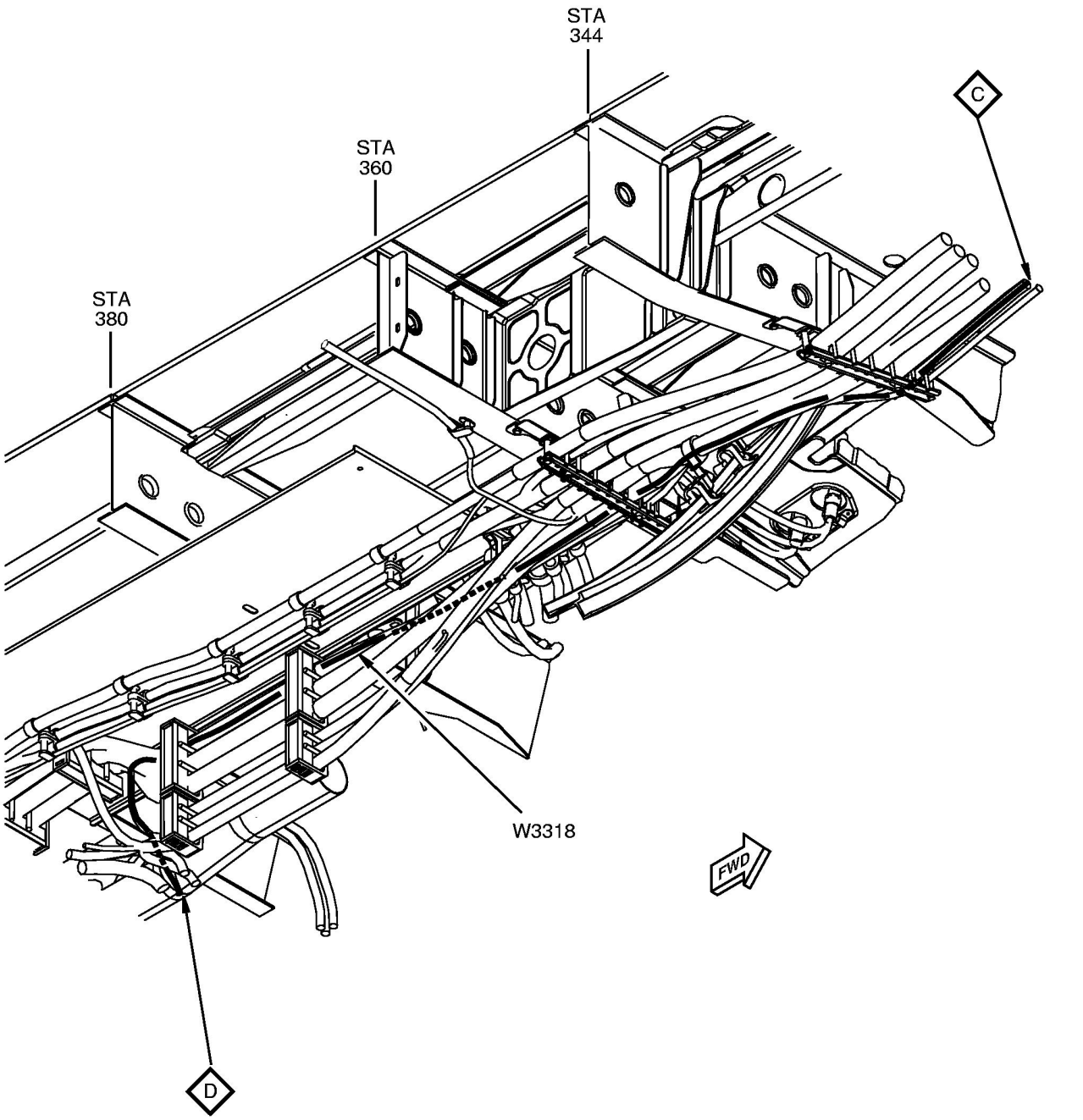


FIGURE 36: ROUTE THE WIRE BUNDLE, W3381
(SHEET 4 OF 5)

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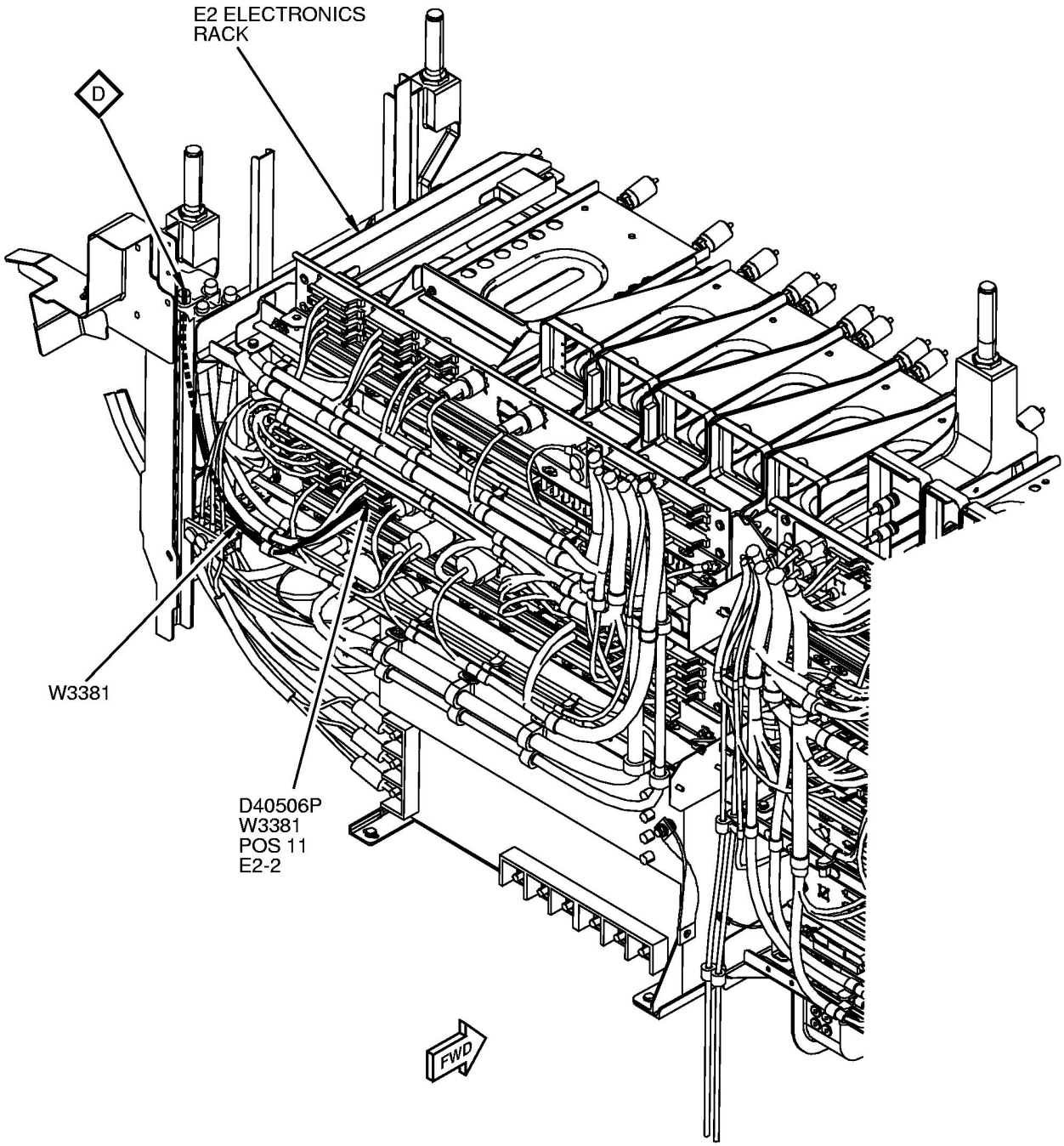
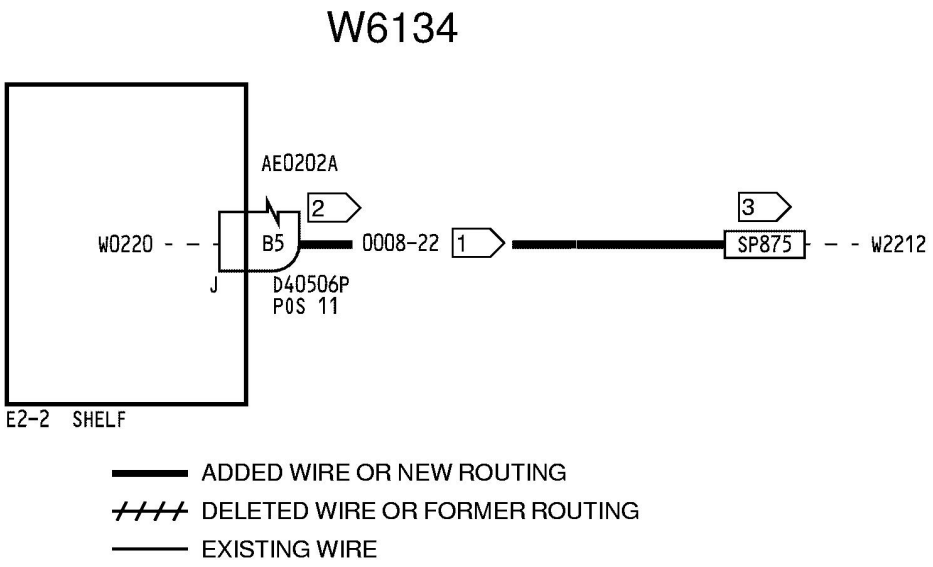


FIGURE 36: ROUTE THE WIRE BUNDLE, W3381
(SHEET 5 OF 5)

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This Figure applies only to: Group 5, 8-9, 11, 13.



Reference: 737-600/700/800/900 WDM 30-31-12

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	WIRE	BMS13-48T10C01G022	1	(a)
	LACING TAPE	280A2001-1	-	(a)
2	CONTACT, SOCKET, SIZE 20	CTA-0165	1	(b)
3	SPLICE	D436-37	1	(d)
	ID SLEEVE - SPLICE	280A3157-10901	1	(c)
(a) Refer to SWPM 20-10-11 as an accepted procedure.				
(b) Refer to SWPM 20-74-11 as an accepted procedure.				
(c) Refer to SWPM 20-10-14 as an accepted procedure.				
(d) Refer to SWPM 20-30-12 as an accepted procedure.				

FIGURE 37: CHANGE THE WIRE BUNDLE, W6134
(SHEET 1 OF 1)

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This Figure applies only to: Group 5, 8-9, 11, 13.

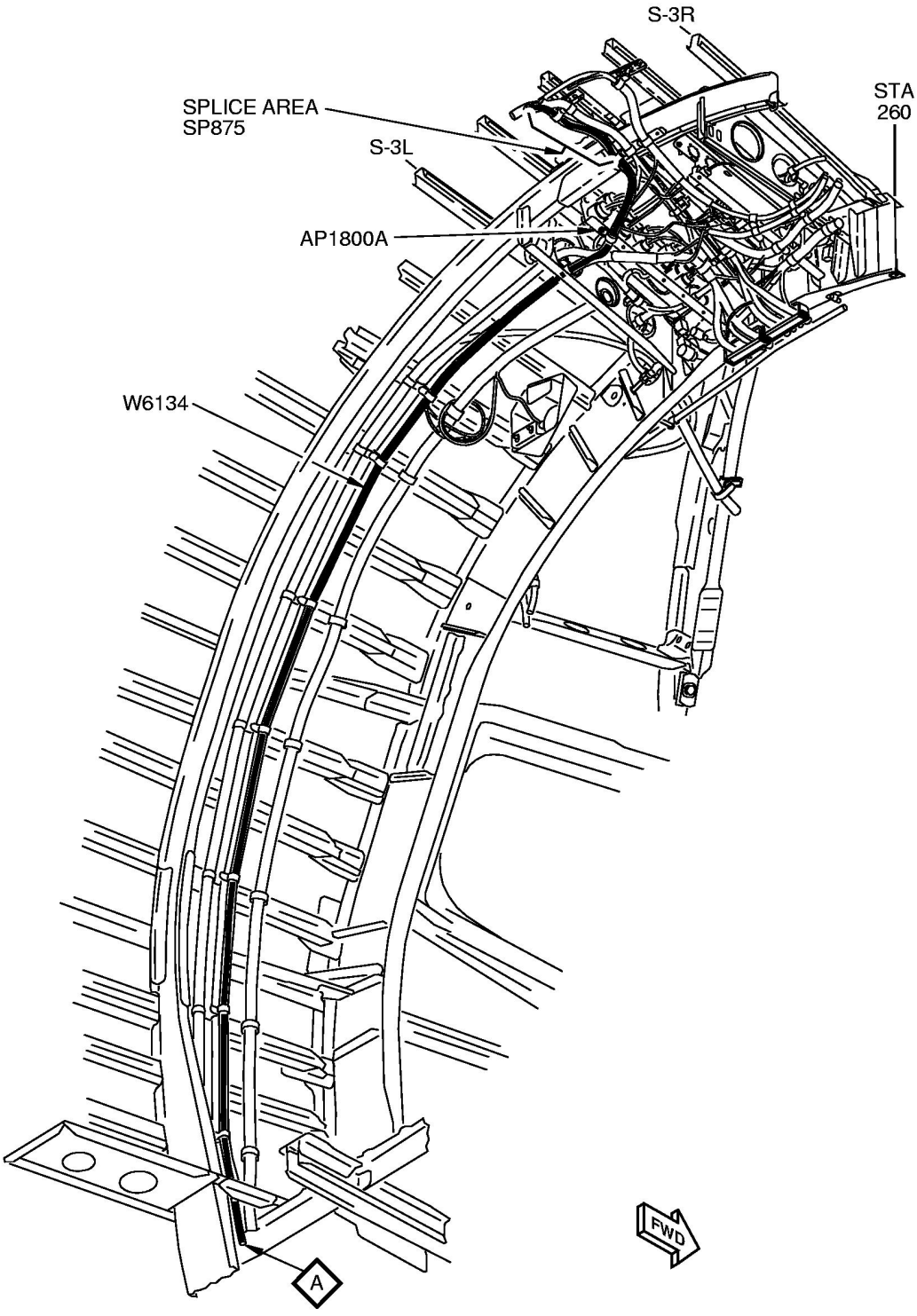


FIGURE 38: ROUTE THE WIRE BUNDLE, W6134
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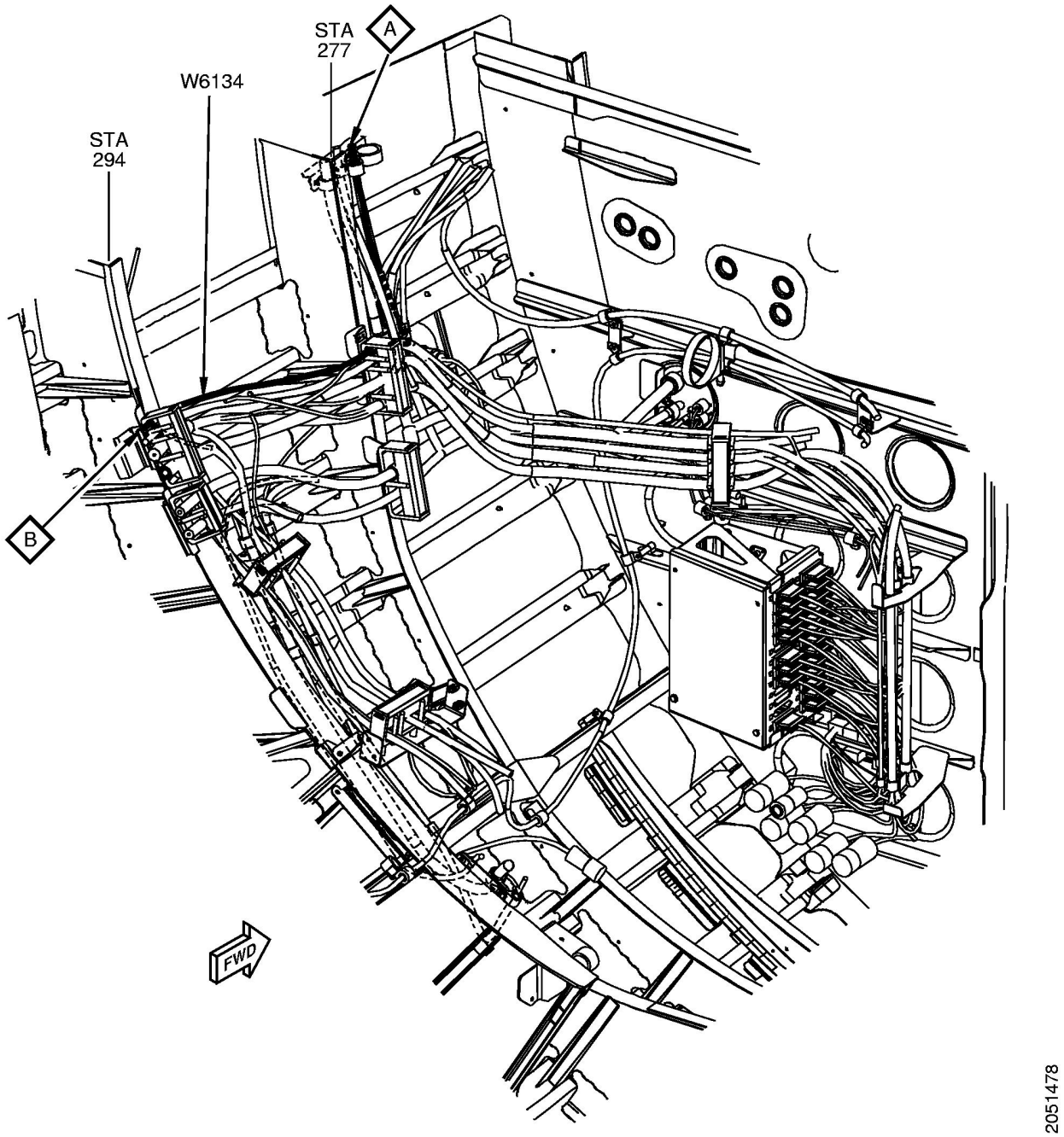


FIGURE 38: ROUTE THE WIRE BUNDLE, W6134
(SHEET 2 OF 5)

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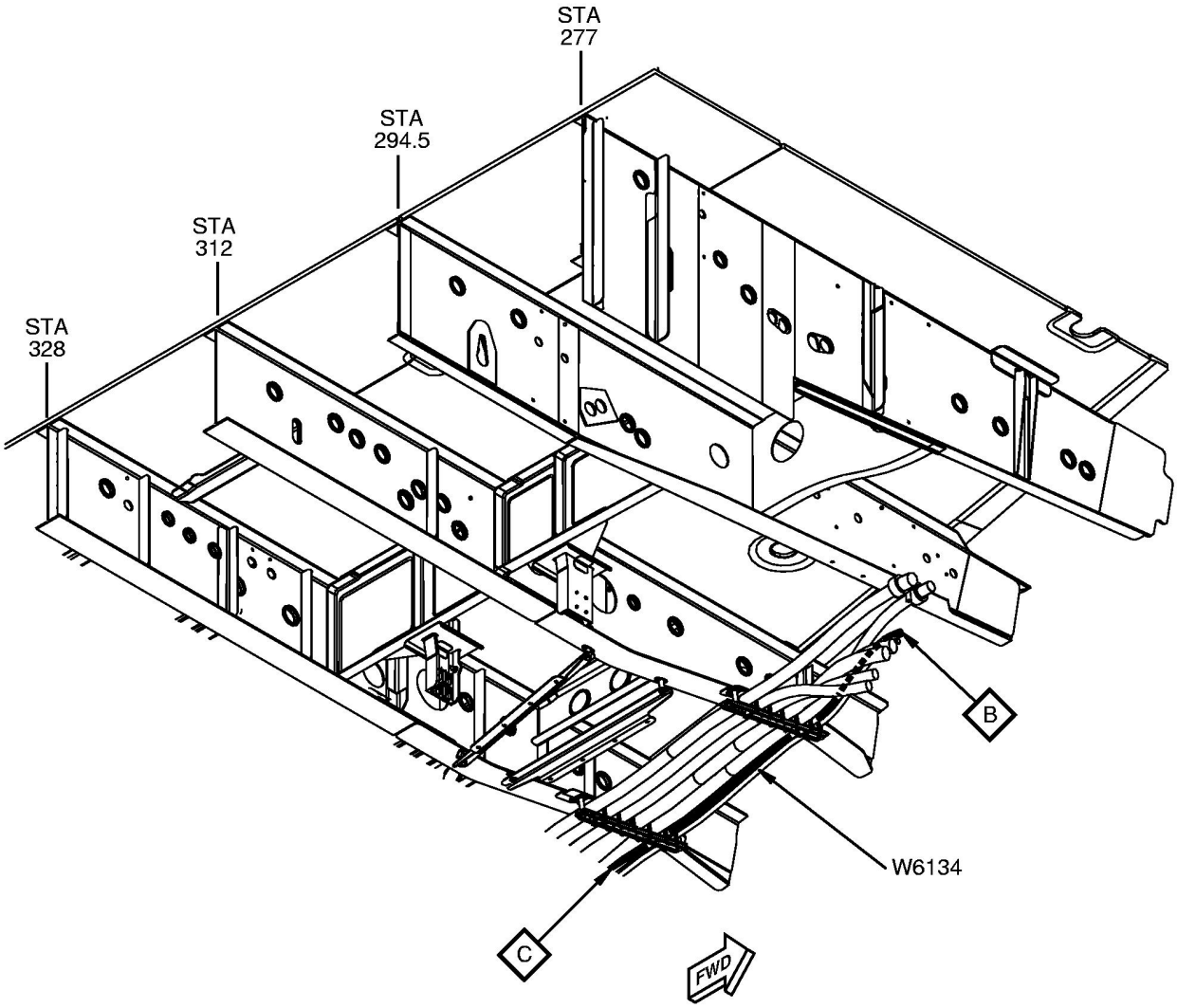


FIGURE 38: ROUTE THE WIRE BUNDLE, W6134
(SHEET 3 OF 5)

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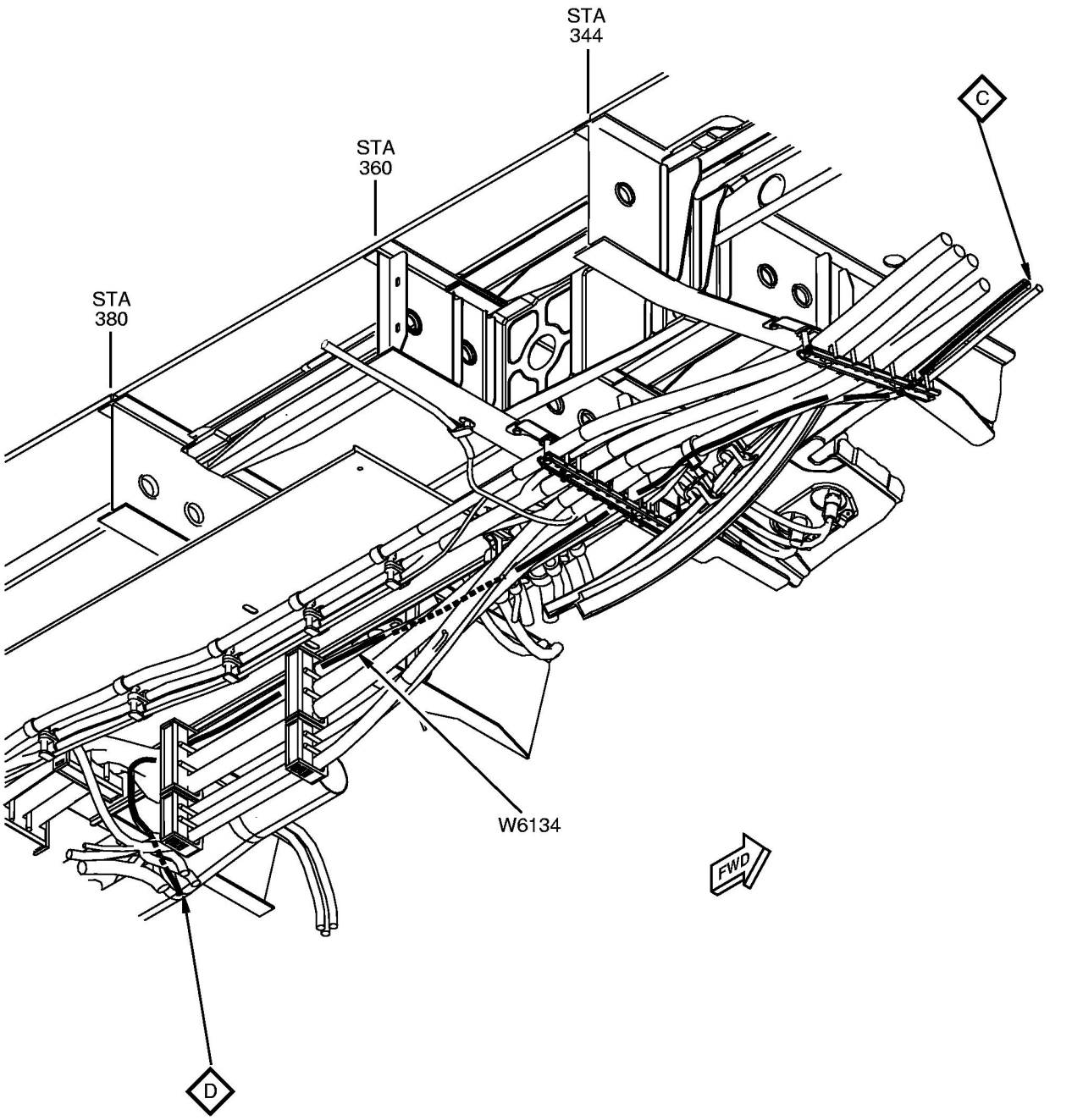


FIGURE 38: ROUTE THE WIRE BUNDLE, W6134
(SHEET 4 OF 5)

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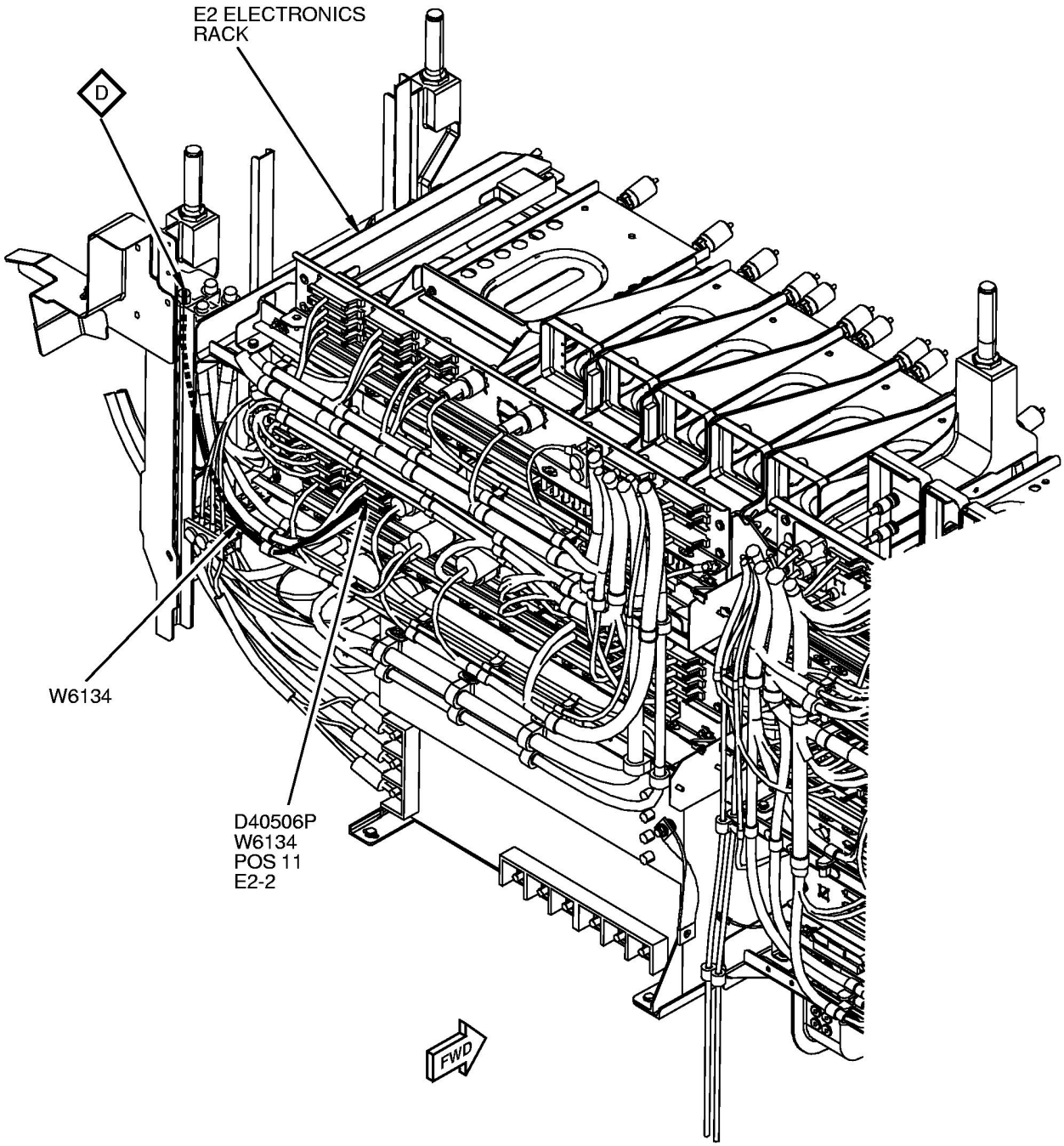


FIGURE 38: ROUTE THE WIRE BUNDLE, W6134
(SHEET 5 OF 5)

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ALERT **ALERT**

This Figure applies only to: Group 10.

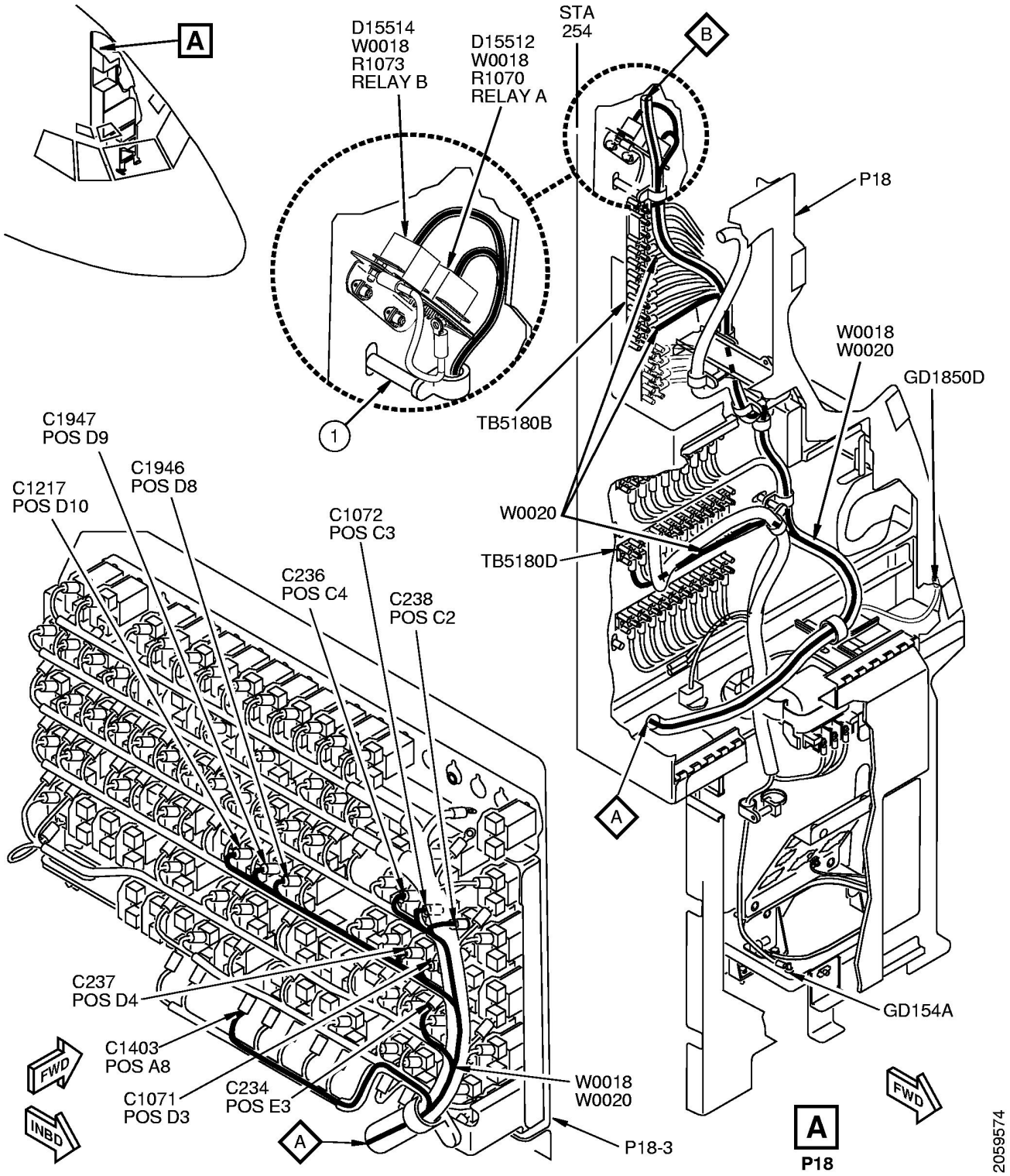


FIGURE 39: ROUTE THE WIRE BUNDLES, W0018 AND W0020 (SHEET 1 OF 3)

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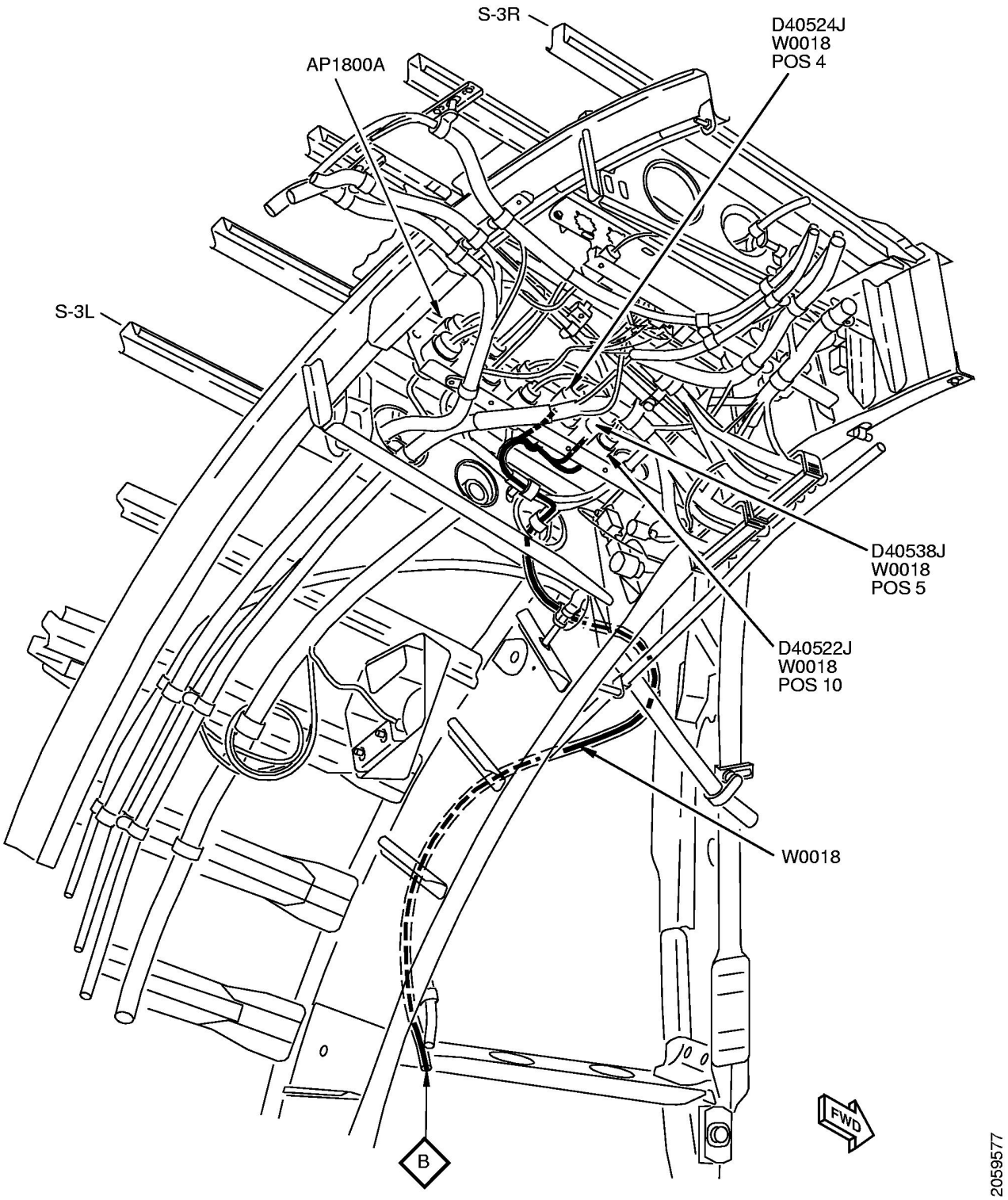


FIGURE 39: ROUTE THE WIRE BUNDLES, W0018 AND W0020 (SHEET 2 OF 3)

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STEP	TASK	NAME	IDENTIFICATION	QTY	MORE DATA
1	Install (New)	SPACERS FOR BOLTS	NAS43DD3-96FC	1	(a)
	Install (New)	WASHER	NAS1149D0316J	1	(a)
	Install (New)	SCREW, CAP	BACS12GU3K32	1	(a)
(a) Install this fastener if there is an interference.					

FIGURE 39: ROUTE THE WIRE BUNDLES, W0018 AND W0020
(SHEET 3 OF 3)

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