

Number: SB5X-23-04

Issued: 18 Aug 2021

SNS SUBJECT: 23-50 AUDIO INTEGRATING - Enable Non-Essential 3.5-mm Audio Jacks

1. COMPLIANCE

Recommended: Accomplish this Service Bulletin at the next annual inspection.

2. EFFECTIVITY

SF50 Serials 0005 thru 0009, 0011 thru 0031, 0033 thru 0091, 0093 thru 0136, 0138 thru 0272

3. APPROVAL

FAA approval has been obtained on all technical data in this Service Bulletin that affects type design. Aircraft not operating under FAA requirements and regulatory oversight: It is the operator's responsibility to ensure that installation of this Service Bulletin has been accepted by the local airworthiness authority. FAA Chicago Aircraft Certification Office (ACO) Branch Alternate Means of Compliance (AMOC) letter dated March 23, 2021 approves the installation of audio cards per Cirrus drawings 70697 and 70701 as an AMOC to Airworthiness Directive (AD) 2020-03-50.

4. PURPOSE

As discussed in Alert Service Bulletin SBA5X-23-03, Disable Non-Essential 3.5-mm Audio and Microphone Jacks, released 07 Feb 2020, the non-essential 3.5-mm audio and microphone jacks were disabled by removing the associated circuit cards. as a precaution against possible malfunction. As a result, new circuit card assemblies for the 3.5-mm audio jacks must be installed and connected.

5. DESCRIPTION

This Service Bulletin contains instructions to install and connect the headset amplifier circuit card assemblies for the 3.5-mm audio jacks, and label the IFE system connectors.

6. WARRANTY INFORMATION

For aircraft under warranty, enrolled in JetStream Plus or JetStream Concierge at the issue date of this Service Bulletin, Cirrus will cover all parts and labor costs for this Service Bulletin if the work is accomplished within the compliance time period and the work is performed at a Cirrus Vision Jet Full Service Authorized Service Center.

7. MANPOWER REQUIREMENTS

10.0 man-hours

8. OTHER PUBLICATIONS AFFECTED

N/A

9. WEIGHT AND BALANCE

N/A

EFFECTIVITY:
SF50 Serials 0005 thru 0009, 0011 thru 0031, 0033
thru 0091, 0093 thru 0136, 0138 thru 0272

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10. MATERIAL INFORMATION

The following parts are required to comply with this Service Bulletin. Parts can be obtained from a Cirrus Vision Jet Full Service Authorized Service Center.

Reference kits 70697-001 and 70701-001 or order the following parts.

Item No.	Description	P/N or Spec.	Supplier	Quantity
1	Headset Audio Circuit Card Assembly	43314-001	Cirrus	7
2	Cable Ties	50239-001	Cirrus	7

11. ACCOMPLISHMENT INSTRUCTIONS

A. Acquire necessary tools, equipment, and supplies.

Description	P/N or Spec.	Supplier	Purpose
ID Tag	CM-SCE-1/4-4H	Raychem Corp	Label wires.
Flexible Heat Shrink Tubing	M23053/5-1XX-X ¹	Any Source	Label wires.
Semi-Rigid Heat Shrink Tubing	M23053/6-1XX-X ¹	Any Source	Label wires.
USB Power Meter Tester	-	Any Source	Verify USB port operation.

1. Obtain XX (Size)-X (Color) specified tubing as applicable/desired.

- B. Set BAT 1, BAT 2, GEN 1, and GEN 2 switches to OFF positions.
- C. Remove GTC 580 Touchscreen Controllers. (Refer to AMM 34-60)
- D. Remove Touchscreen Trim. (Refer to AMM 25-10)
- E. Remove LH and RH Windscreen Trim. (Refer to AMM 25-10)
- F. Remove LH and RH forward center console trim. (Refer to AMM 25-10)
- G. Remove LH and RH defog vents. (Refer to AMM 21-20)
- H. Remove GMC 707 AFCS Mode Controller. (Refer to AMM 22-10)
- I. Remove aft overhead panel. (Refer to AMM 25-10)
- J. Remove mid overhead panel. (Refer to AMM 25-10)
- K. Remove LH lower panel. (Refer to AMM 25-10)
- L. Remove RH mid lower panel. (Refer to AMM 25-10)
- M. Remove RH aft lower panel. (Refer to AMM 25-10)
- N. Connect pilot headset amplifier interface circuit card assembly.
 - (1) Install circuit card assembly (item 1).
 - (2) Locate capped and stowed pilot connector behind pilot side panel, on back of storage pocket.
(See Figure 01)
 - (a) P5431 AUDIO CCA
 - (3) Remove and discard "DO NOT CONNECT SYSTEM DISABLED PER SBA5X-23-03" label.
 - (4) Connect connector to circuit card assembly.
 - (5) Secure circuit card assembly (item 1) to existing cable anchor using cable tie (item 2).
- O. Connect co-pilot headset amplifier interface circuit card assemblies.
 - (1) Install circuit card assembly (item 1).

- (2) Locate capped and stowed co-pilot connector behind co-pilot side panel, on aft side of storage pocket. (See Figure 01)
 - (a) P5432 AUDIO CCA
 - (3) Remove and discard "DO NOT CONNECT SYSTEM DISABLED PER SBA5X-23-03" label.
 - (4) Connect connector to circuit card assembly.
 - (5) Secure circuit card assembly (item 1) to existing cable anchor using cable tie (item 2).
- P. Connect seat 3 and seat 6 headset amplifier interface circuit card assemblies.
- (1) Install circuit card assemblies (item 1).
 - (2) Locate capped and stowed seat 3 connector left of seat 3, in forward area of inside wall of LH lower panel. (See Figure 02)
 - (a) P5433 AUDIO CCA
 - (3) Locate capped and stowed seat 6 connector left of seat 6, in middle area of inside wall of LH lower panel.
 - (a) P5436 AUDIO CCA
 - (4) Remove and discard "DO NOT CONNECT SYSTEM DISABLED PER SBA5X-23-03" labels.
 - (5) Connect connectors to circuit card assemblies.
 - (6) Secure circuit card assemblies (item 1) to existing cable anchors using cable ties (item 2).
- Q. Connect seat 4 and seat 7 headset amplifier interface circuit card assemblies.
- (1) Install circuit card assemblies (item 1).
 - (2) Locate capped and stowed seat 4 connector right of seat 7, on inside wall of RH aft lower panel in front of jack assembly. (See Figure 02)
 - (a) P5434 AUDIO CCA
 - (3) Locate capped and stowed seat 7 connector right of seat 7, in middle area of inside wall of RH aft lower panel.
 - (a) P5437 AUDIO CCA
 - (4) Remove and discard "DO NOT CONNECT SYSTEM DISABLED PER SBA5X-23-03" labels.
 - (5) Connect connectors to circuit card assemblies.
 - (6) Secure circuit card assemblies (item 1) to existing cable anchors using cable ties (item 2).
- R. Connect seat 5 headset amplifier interface circuit card assemblies.
- (1) Install circuit card assemblies (item 1).
 - (2) Locate capped and stowed seat 5 connector right of seat 5, on inside wall of RH mid lower panel on front side of seat 5 pocket. (See Figure 03)
 - (a) P5435 AUDIO CCA
 - (3) Remove and discard "DO NOT CONNECT SYSTEM DISABLED PER SBA5X-23-03" label.
 - (4) Connect connectors to circuit card assemblies.
 - (5) Secure circuit card assemblies (item 1) to existing cable anchors using cable ties (item 2).
- S. *Serials 0005 thru 0009, 0011 thru 0031, 0033 thru 0091, 0093 thru 0136, 0138 thru 0238:* Locate and label following IFE connectors. (See Figure 04)

New Connector Label	Existing Connector Label	New Connector Label	Existing Connector Label
J5366	J31 (Detail A)	J5385T	J12 (Detail B3)
P5371	N/A (Detail A)	J5515T	J11 (Detail B3)
J5520	J11 (Detail A1)	P5515T	P32T (Detail B3)
P5520	P32 (Detail A1)	J5515	J32T (Detail B3)

New Connector Label	Existing Connector Label	New Connector Label	Existing Connector Label
J5386	J12 (Detail A1)	J5385 to W533	J5385T (Detail B3)
J5373 to P5373	N/A (Detail A1)	J5391	J26 (Detail B3)
J5525	J11 (Detail A2)	J5368	J16 (Detail B3)
P5525	P30 (Detail A2)	J5390	J27 (Detail B3)
J5383	J12 (Detail A2)	P5519	P30 (Detail C)
J5362	J31 (Detail B)	J5519	J11 (Detail C)
J5374 to W533	N/A (Detail B)	J5387	J12 (Detail C)
J5375 to W533	N/A (Detail B)	J5364	J31 (Detail D/E)
J5517	J25 (Detail B1)	P5521	P30 (Detail D/E)
J5523	J27 (Detail B1)	J5521	J5 (Detail D/E)
P5523	P19 (Detail B1)	J5392	J7 (Detail D/E)
P5517	P30 (Detail B1)	P5367 to WW50	N/A (Detail D/E)
J5372 to W550	N/A (Detail B2)	P5522	P32 (Detail E)
J5369	J15 (Detail B3)	J5522	J6 (Detail E)
P5385T	N/A (Detail B3)		

- T. Use USB Power Meter Tester to verify each USB port outputs 5 VDC.
- U. Install RH aft lower panel. (Refer to AMM 25-10)
- V. Install RH mid lower panel. (Refer to AMM 25-10)
- W. Install LH lower panel. (Refer to AMM 25-10)
- X. Install mid overhead panel. (Refer to AMM 25-10)
- Y. Install aft overhead panel. (Refer to AMM 25-10)
- Z. Install GMC 707 AFCS Mode Controller. (Refer to AMM 22-10)
- AA. Install LH and RH defog vents. (Refer to AMM 21-20)
- AB. Install LH and RH forward center console trim. (Refer to AMM 25-10)
- AC. Install LH and RH Windscreen Trim. (Refer to AMM 25-10)
- AD. Install Touchscreen Trim. (Refer to AMM 25-10)
- AE. Install GTC 580 Touchscreen Controllers. (Refer to AMM 34-60)
- AF. Perform Operational Test - GMA 36x Audio Control Unit. (Refer to AMM 23-50)
- AG. Remove and discard "INOP" label adjacent to all 3.5-mm audio and microphone jacks.
- AH. Complete airplane records by noting compliance with SB5X-23-04 in Aircraft Logbook.

To submit a Technical Publication change request, visit:
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EFFECTIVITY:
SF50 Serials 0005 thru 0009, 0011 thru 0031, 0033
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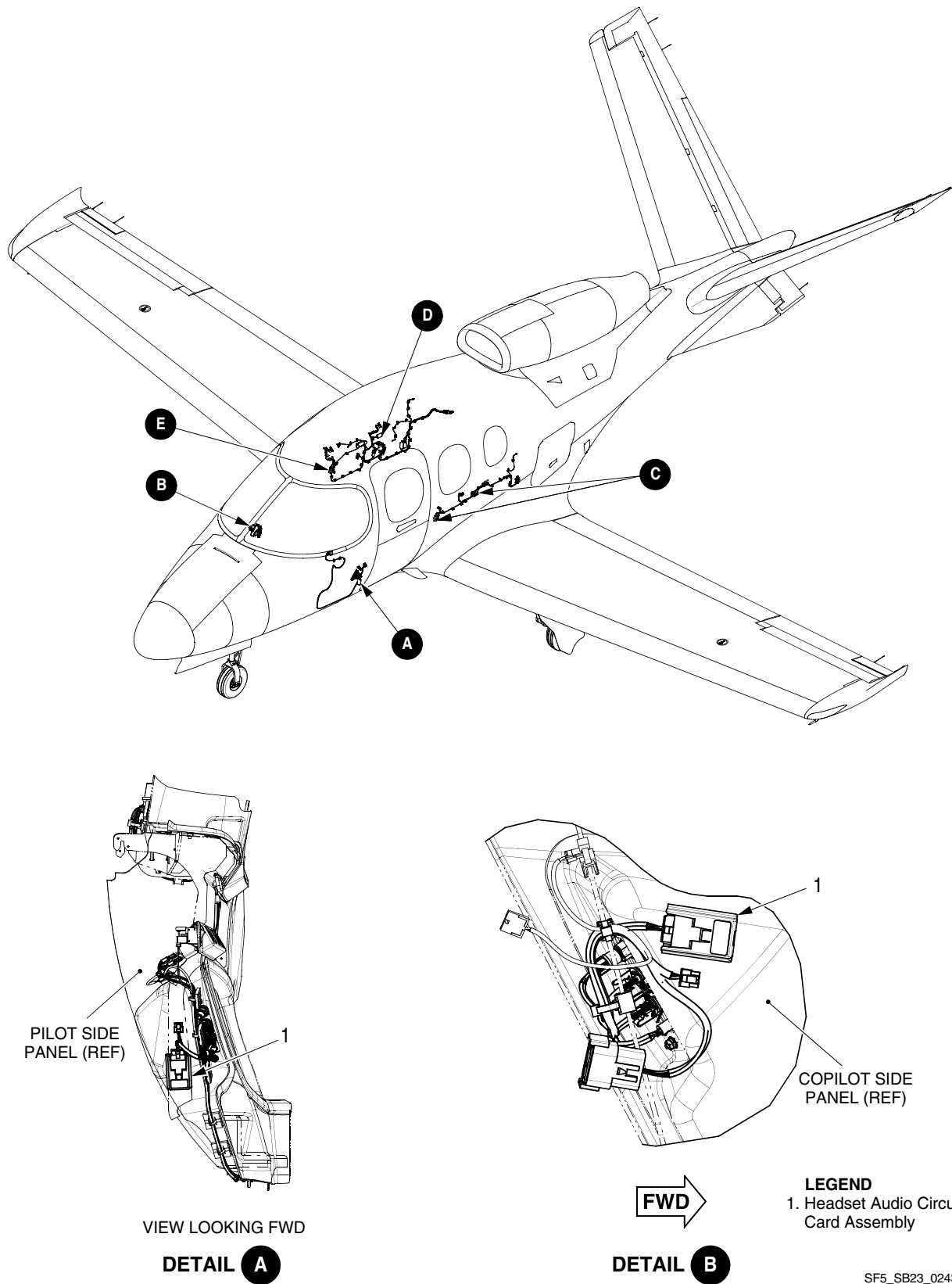
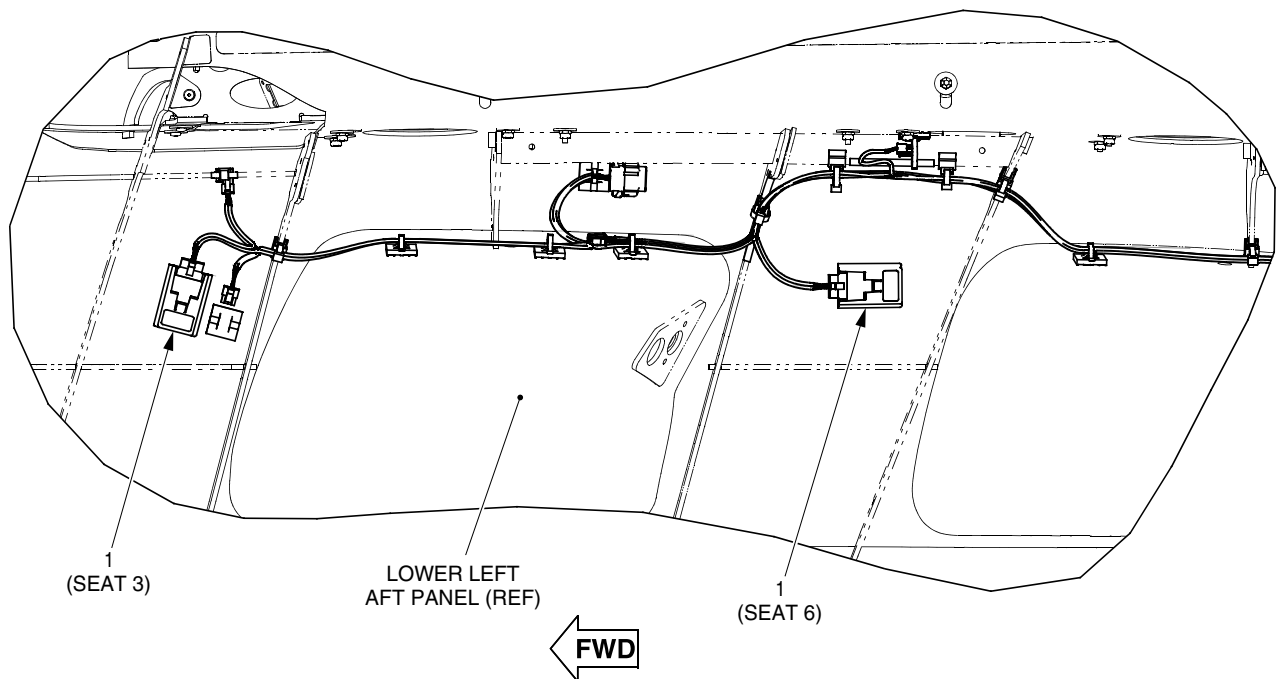
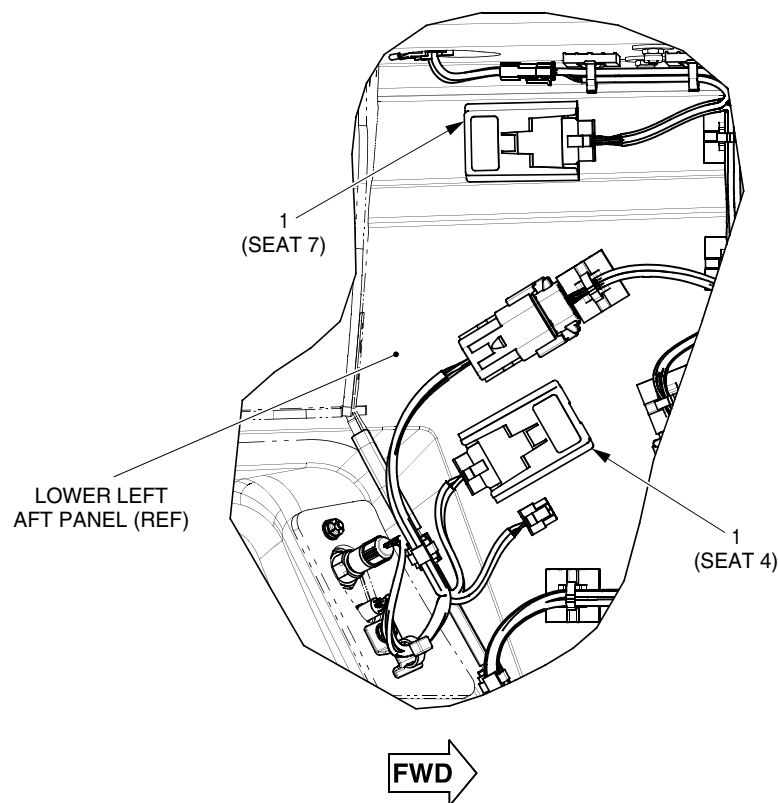


Figure 01
Pilot/Co-Pilot Connectors

EFFECTIVITY:
SF50 Serials 0005 thru 0009, 0011 thru 0031, 0033
thru 0091, 0093 thru 0136, 0138 thru 0272



DETAIL C



DETAIL D

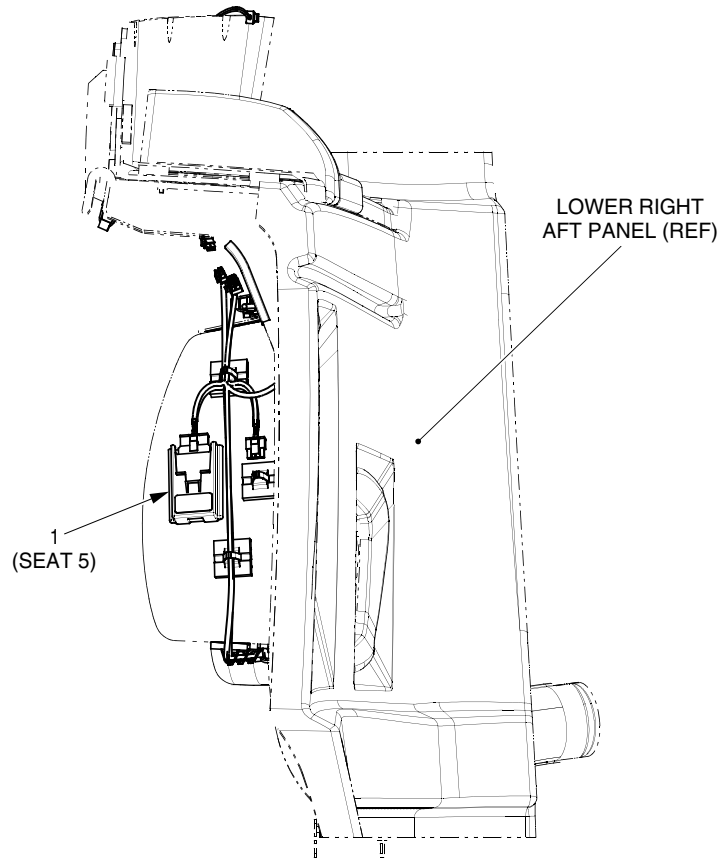
LEGEND
1. Headset Audio Circuit Card Assembly

SF5_SB23_0244

Figure 02
Seat 3, 4, 6, and 7 Connectors

EFFECTIVITY:
SF50 Serials 0005 thru 0009, 0011 thru 0031, 0033 thru 0091, 0093 thru 0136, 0138 thru 0272

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VIEW LOOKING AFT

DETAIL **C**

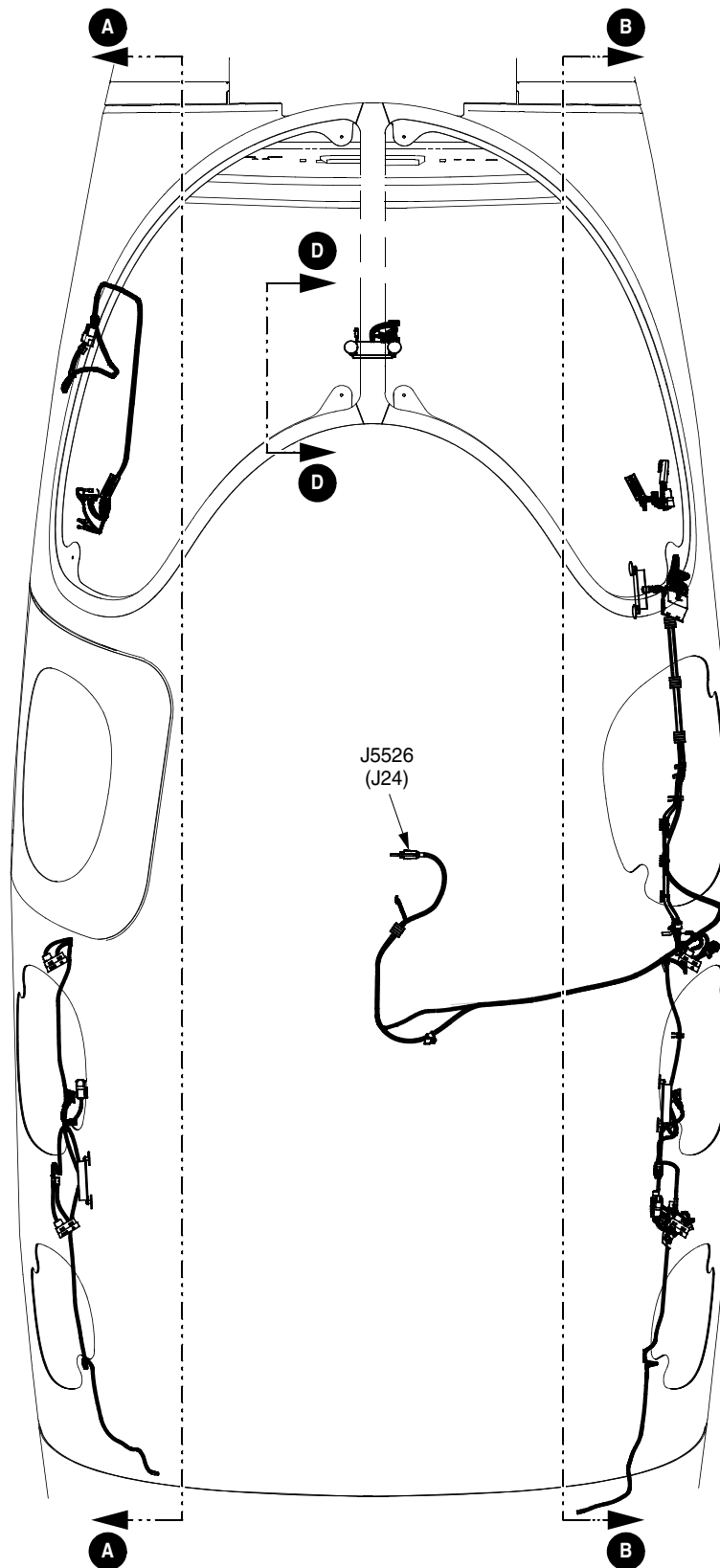
LEGEND
1. Headset Audio Circuit
Card Assembly

SF5_SB23_0245

Figure 03
Seat 5 Connectors

EFFECTIVITY:
SF50 Serials 0005 thru 0009, 0011 thru 0031, 0033
thru 0091, 0093 thru 0136, 0138 thru 0272

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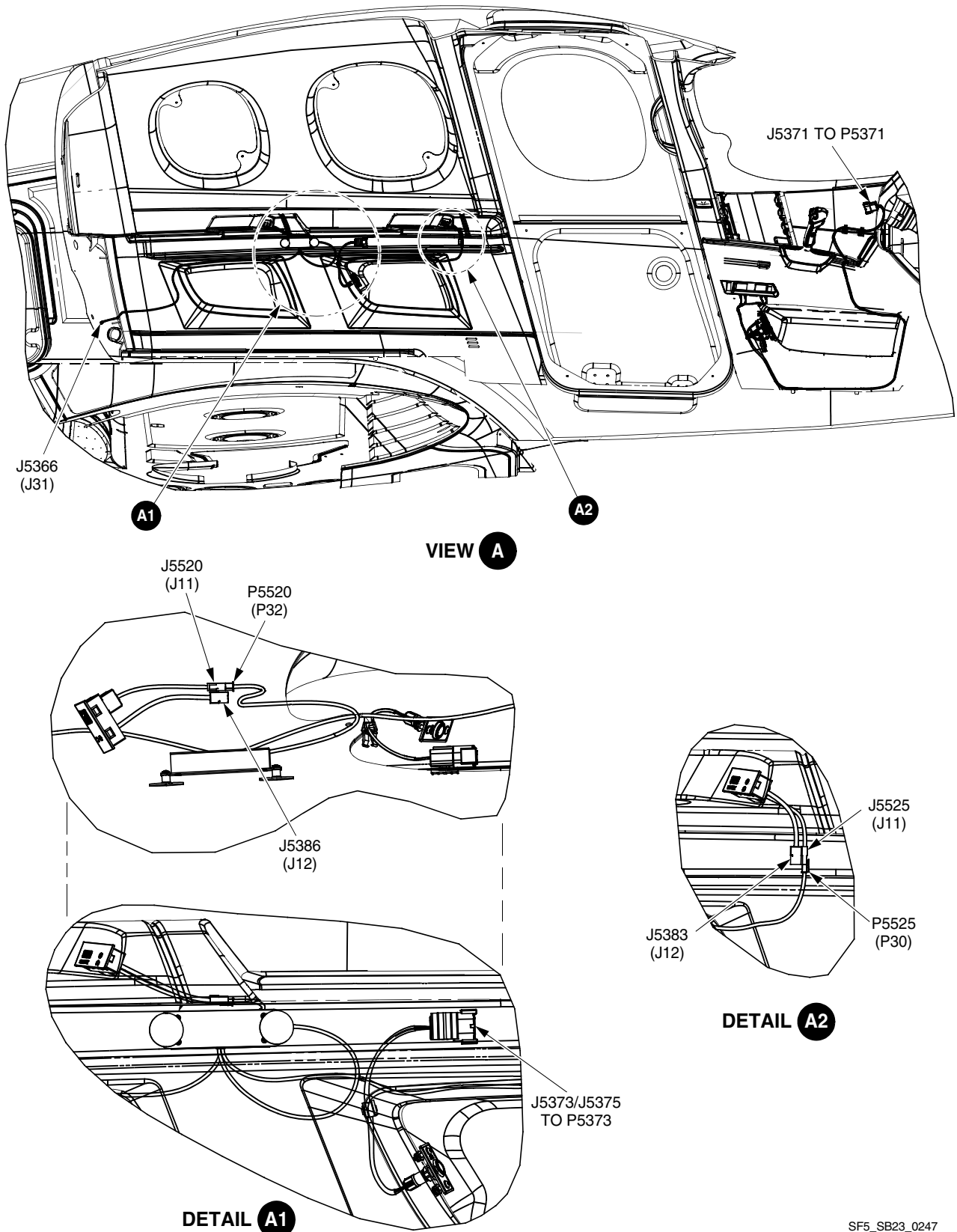


SF5_SB23_0246

Figure 04
IFE Connector Labels (1 of 6)

EFFECTIVITY:
SF50 Serials 0005 thru 0009, 0011 thru 0031, 0033
thru 0091, 0093 thru 0136, 0138 thru 0272

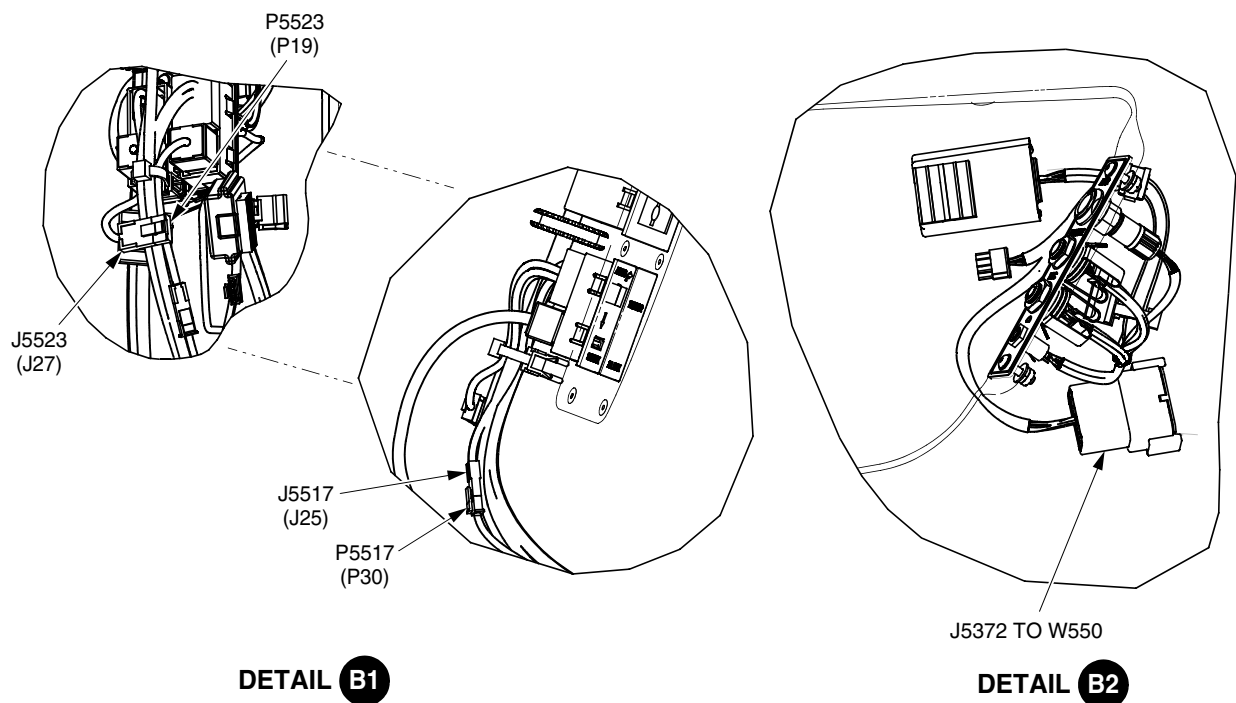
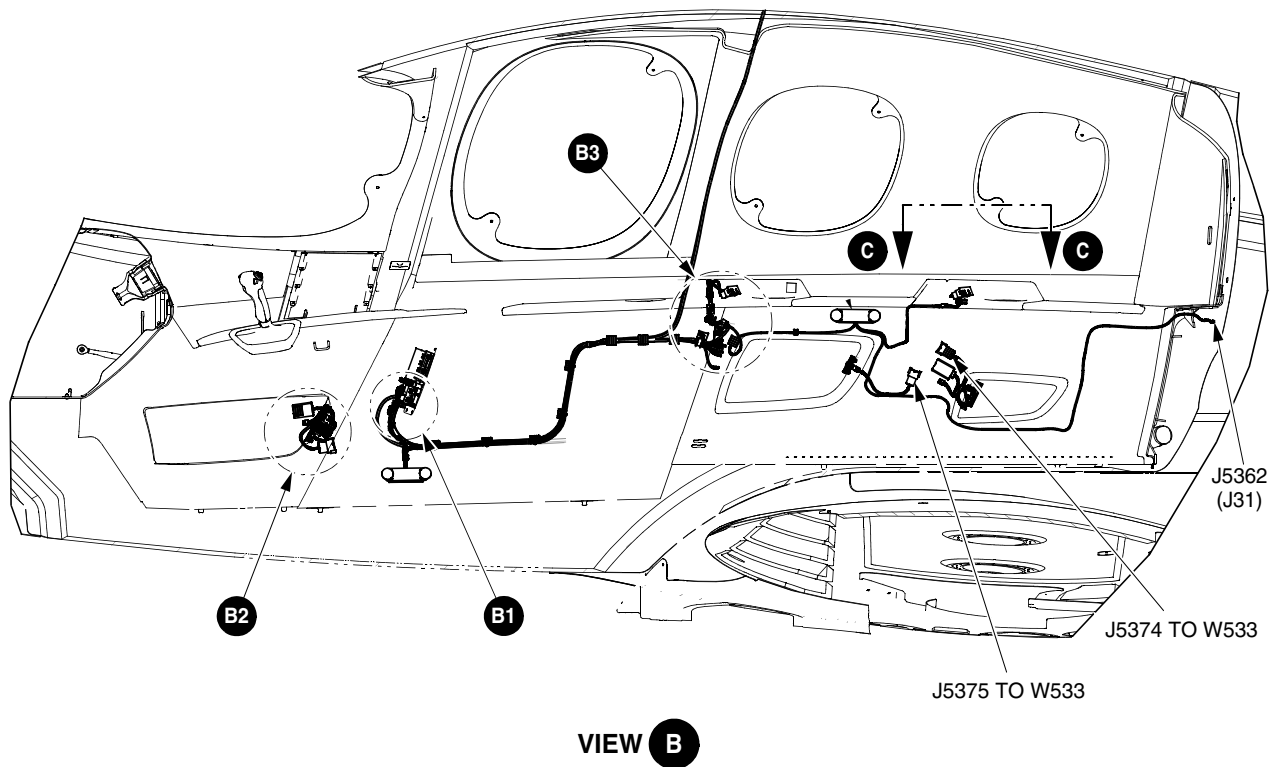
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SF5_SB23_0247

Figure 04
IFE Connector Labels (2 of 6)

EFFECTIVITY:
SF50 Serials 0005 thru 0009, 0011 thru 0031, 0033 thru 0091, 0093 thru 0136, 0138 thru 0272

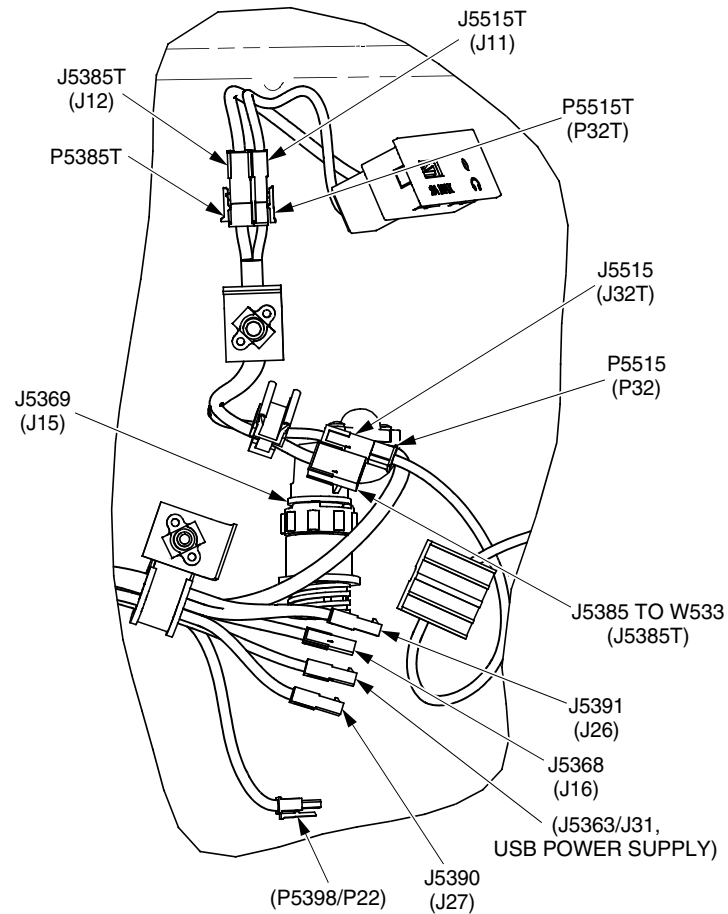


SF5_SB23_0248

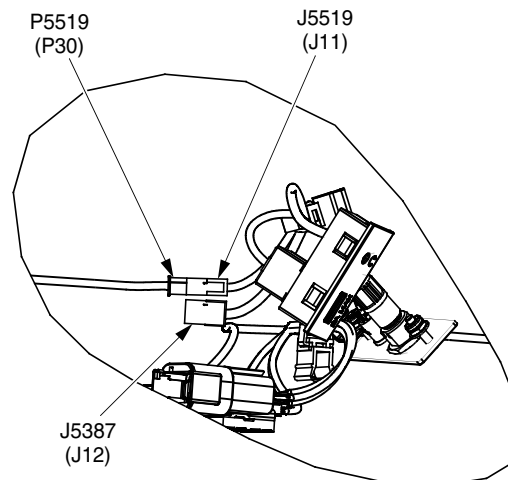
Figure 04
IFE Connector Labels (3 of 6)

EFFECTIVITY:
SF50 Serials 0005 thru 0009, 0011 thru 0031, 0033
thru 0091, 0093 thru 0136, 0138 thru 0272

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DETAIL B3



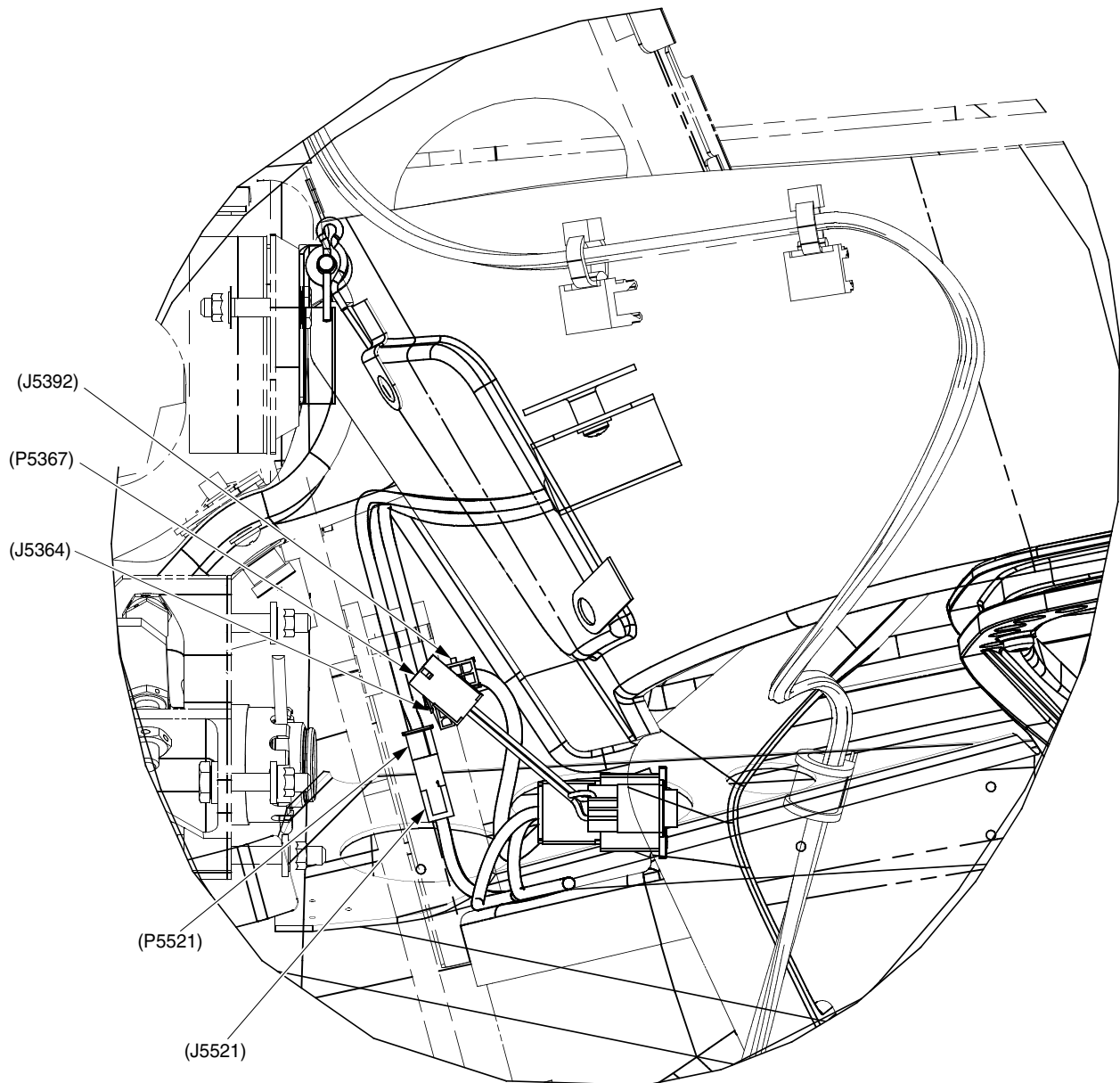
VIEW C

SF5_SB23_0250

Figure 04
IFE Connector Labels (4 of 6)

EFFECTIVITY:
SF50 Serials 0005 thru 0009, 0011 thru 0031, 0033
thru 0091, 0093 thru 0136, 0138 thru 0272

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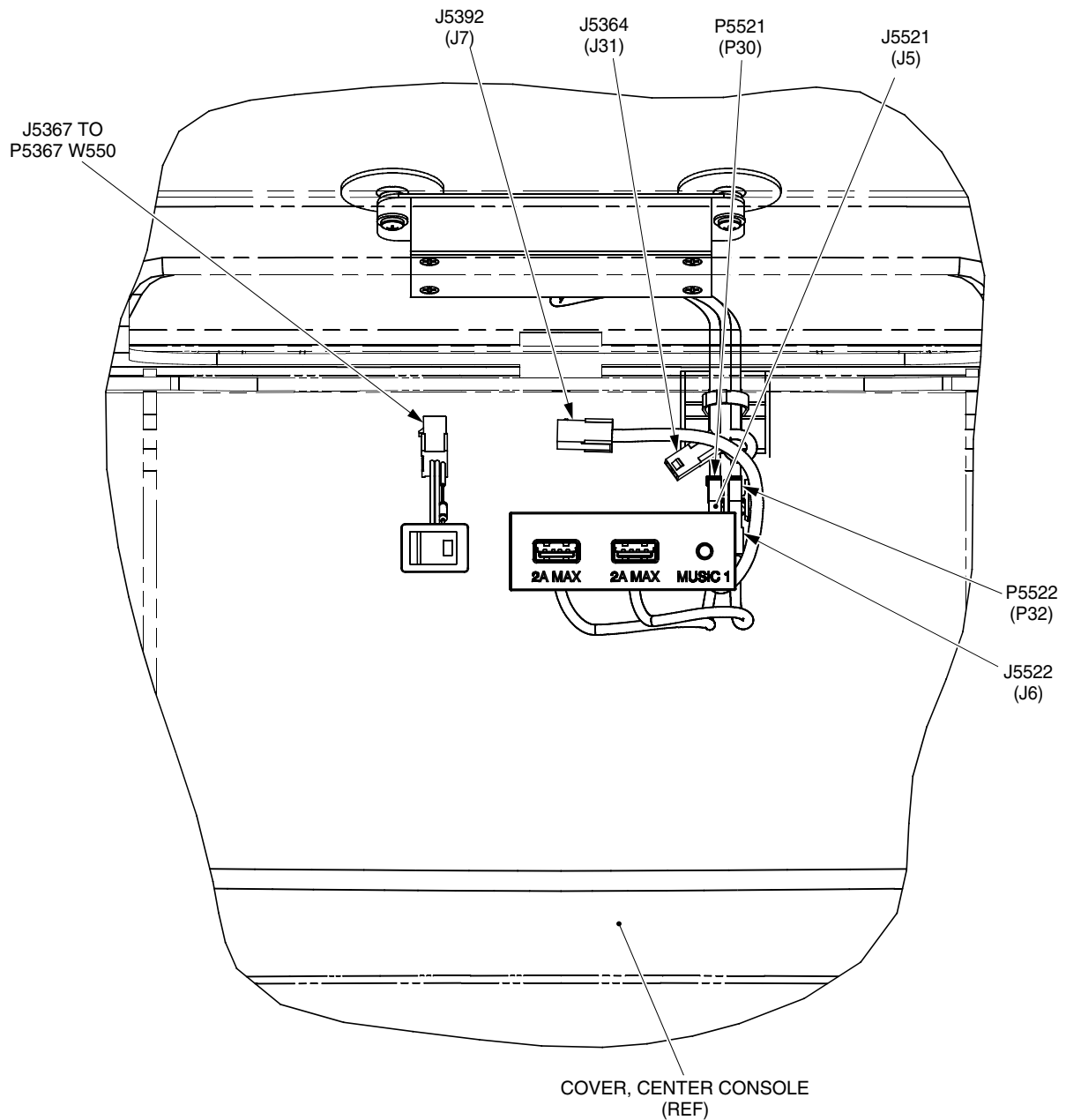
VIEW D

SF5_SB23_0251

Figure 04
IFE Connector Labels (5 of 6)

EFFECTIVITY:
SF50 Serials 0005 thru 0009, 0011 thru 0031, 0033
thru 0091, 0093 thru 0136, 0138 thru 0272

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DETAIL E

CENTER CONSOLE PARTIAL FRONT VIEW
LOOKING FWD

SF5_SB23_0252

Figure 04
IFE Connector Labels (6 of 6)

EFFECTIVITY:
SF50 Serials 0005 thru 0009, 0011 thru 0031, 0033
thru 0091, 0093 thru 0136, 0138 thru 0272

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