



GROUP

MODEL

BOD

2019-2020MY
Optima (JFa)

NUMBER

DATE

324

March 2024

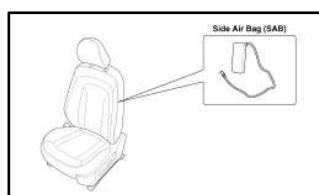
TECHNICAL SERVICE BULLETIN

Subject:

SIDE AIRBAG (SAB) INSPECTION AND
REPLACEMENT FOR DTC(S) B1380/B1384

This bulletin provides information associated with the 'Warranty Extension Program' (WTY036) to diagnose and repair certain airbag warning light 'ON' conditions on 2019-2020MY Optima (JFa) vehicles produced from May 21, 2018 through June 23, 2020. The affected vehicles may exhibit an airbag warning light 'ON' with DTC B1380 and/or B1384 due to the front seat Side Airbag (SAB) connector experiencing higher than normal resistance. The warranty coverage for repairs related to the front seat SAB due to illumination of airbag warning light has been extended to 15 years / unlimited miles, starting from the date the vehicle was first put into service. Follow the procedure outlined in this publication to inspect for DTCs. If either of the DTCs identified below is present, reconnect the side airbag connector of the affected front seat. If the DTC(s) do not clear after reconnecting, replace the applicable SAB on the applicable vehicle.

DTC Description:

B1380 - Side Airbag Front Driver Resistance Circuit Short to Ground (Left)**B1384** - Side Airbag Front Passenger Resistance Circuit Short to Ground (Right)**❗ IMPORTANT**

A **Vehicle Diagnosis Number (VDN)** must be created for DTC's B1380 and or B1384, prior to ordering parts and performing necessary procedure(s), as outlined in this TSB. If a VDN is not created, Parts Ordering and Warranty claim submission issues **WILL** occur.

📄 NOTICE

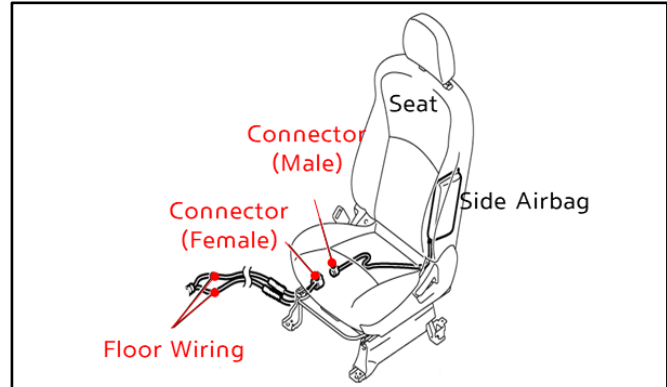
A Technical Service Bulletin is a field fix repair program without customer notification that may be performed during the warranty period. Any dealer requesting to perform this repair outside the warranty period will require DPSM approval.

Inspection Procedure:

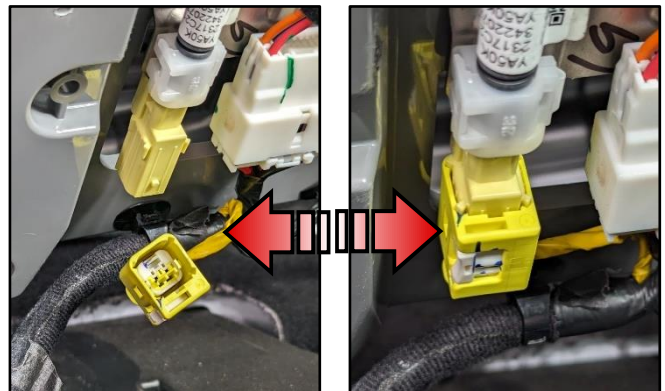
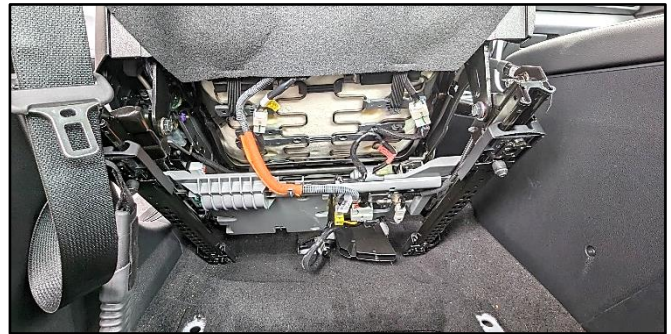
1. Confirm 'Airbag' warning indicator lamp is 'ON' and using KDS, scan for DTC(s):

TSB 'Related' DTC Description:

- **B1380** - Side Airbag Front Driver Resistance Circuit Short to Ground
- **B1384** - Side Airbag Front Passenger Resistance Circuit Short to Ground.



- 2a. If the 'related' DTC is not present (other airbag concern) then this TSB is not applicable. 'Inspection Only' claim.
- 2b. If the 'related' DTC is stored (Driver or Passenger, or both) proceed to step 3. A Vehicle Diagnosis Number (VDN) must be created for DTC's B1380 and or B1384.
3. Detach the affected seat by referring to "Body (Interior and Exterior) → Front Seat → Repair procedures (steps" in the applicable Shop Manual on KGIS.
4. Disconnect the 12V battery negative (-) cable.
5. Tilt the seat upwards from the rear.
6. Disconnect and re-connect the yellow SAB connector. Ensure it is securely clipped/locked.
7. Lower the seat flat, reconnect the 12V battery negative (-) terminal and turn the ignition to the 'ON' position.
8. Using KDS, scan the vehicle and confirm if the previously stored DTC is still present:



- **No (OK)** - Reinstall the seat in the reverse order of removal. No further action is required.
- **Yes (NG)** - Proceed to the 'Repair Procedure' on page 3 to replace the affected SAB (Left, Right or Both).

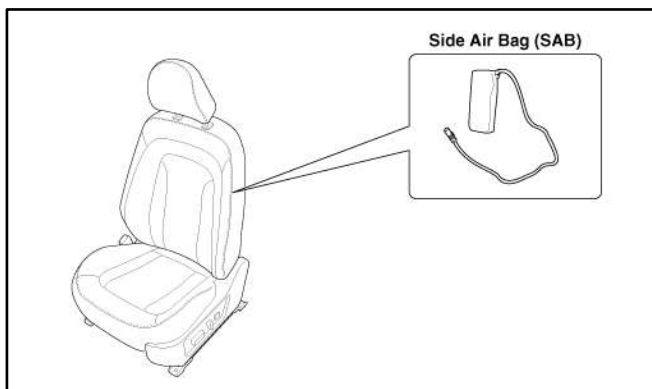
SUBJECT: SIDE AIRBAG (SAB) INSPECTION & REPLACEMENT FOR DTC(S) B1380/B1384

Repair Procedure:

1. Open the hood.
2. Disconnect the 12V battery negative (-) terminal.



3. Remove the SAB module (Left and/or Right Side, as applicable) by referring to "Restraint → Airbag Module → Side Airbag (SAB) Module → Repair procedures" in the applicable Shop Manual on KGIS.

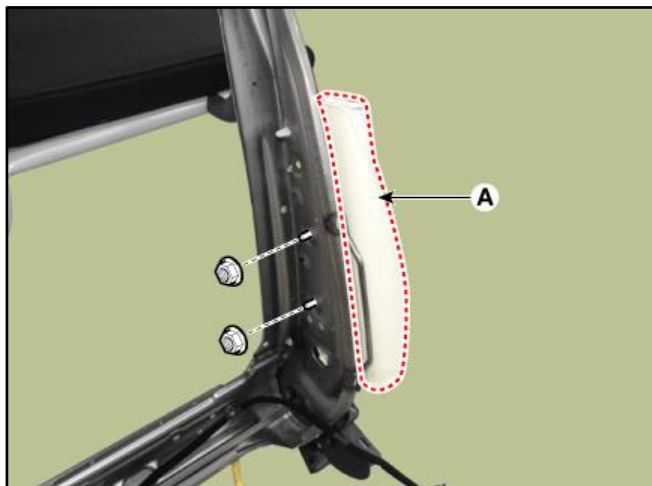


4. Install a new Side Airbag (SAB) module.



Tightening torque for bolts:
4.4 - 5.9 lb.ft (6.0 - 8.0 N.m)

5. Reinstall all removed parts in the reverse order of removal.



4. Using KDS, verify DTC is cleared and confirm normal vehicle operation.

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Model	Production Date Range
Optima (JFa)	May 21, 2018 to June 23, 2020

REQUIRED TOOL:

Tool Name	Figure	Comments
KDS		Kia Diagnostic System

REQUIRED PART:

Part Name	Part Number	Figure	Qty.
Side Airbag Module (Front Left)	88910 D5000QQK		1
Side Airbag Module (Front Left w/IMS)	88920 D5000QQK		
Side Airbag Module (Front Right)	88910 D5010QQK		
Side Airbag Module (Front Right w/IMS)	88920 D5010QQK		

Note: Integrated Memory Seat (IMS). A [Vehicle Diagnosis Number \(VDN\)](#) must be created for DTC's B1380 and or B1384, prior to ordering parts and performing necessary procedure(s), as outlined in this TSB.

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WARRANTY INFORMATION:

N Code: I3A C Code: ZZ3

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
W	88910 D5000	0	Side Airbag (SAB) DTC Inspection Only (Not related DTC)	242A01I0	0.2 M/H	N/A	0
			Side Airbag (SAB) DTC Inspection (1) + Re-Connection (LH <u>or</u> RH side)	242A01R0	0.4 M/H		
			Side Airbag (SAB) DTC Inspection (2) + Re-Connection (Both) (LH <u>and</u> RH)	242A01R1	0.6 M/H		
			Side Airbag (SAB) DTC Inspection (1) + Re-Connection (LH <u>or</u> RH side) + Replace (One) (LH <u>or</u> RH side)	242A01R2	1.2 M/H	88910 D5000QQK <u>or</u> 88920 D5000QQK <u>or</u> 88910 D5010QQK <u>or</u> 88920 D5010QQK	1
			Side Airbag (SAB) DTC Inspection (2) + Re-Connection (Both LH <u>and</u> RH) + Replace (One) (LH <u>or</u> RH)	242A01R3	1.4 M/H	88910 D5000QQK <u>or</u> 88920 D5000QQK <u>or</u> 88910 D5010QQK <u>or</u> 88920 D5010QQK	1
			Side Airbag (SAB) DTC Inspection (2) + Re-Connection (Both LH <u>and</u> RH) + Replace (Both) (LH <u>and</u> RH)	242A01R4	2.1 M/H	88910 D5000QQK <u>or</u> 88920 D5000QQK	1
						88910 D5010QQK <u>or</u> 88920 D5010QQK	1

Note: A [Vehicle Diagnosis Number \(VDN\)](#) must be created for DTC's B1380 and or B1384, prior to ordering parts and performing necessary procedure(s), as outlined in this TSB. If a VDN is not created, Parts Ordering and Warranty claim submission issues WILL occur. Any claims for replacement parts are subject to Warranty review and chargeback.

