

 HYUNDAI
Technical Service Bulletin

GROUP
BODY ELECTRICAL

NUMBER
24-BE-005H

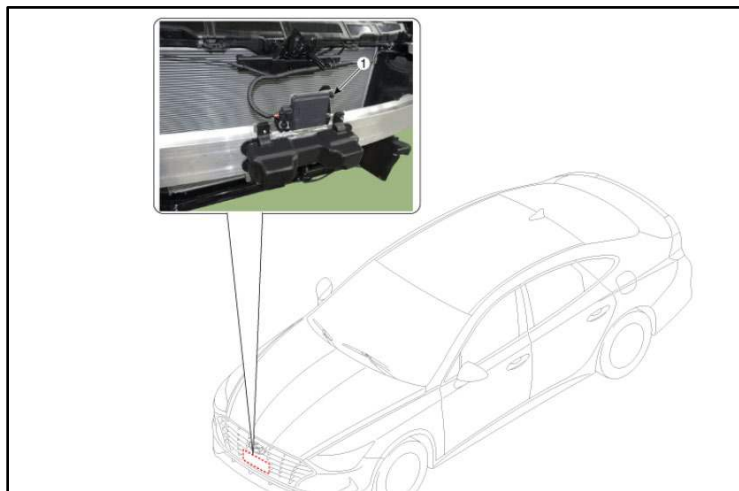
DATE
MARCH 2024

MODEL(S)
**ELANTRA
(CN7/CN7A)**

SUBJECT: FRONT RADAR REPLACEMENT & ADJUSTMENT FOR DTC C1620

Description: Certain 2021~2022MY Elantra (CN7/CN7A) vehicles may exhibit a warning light with DTC C1620, caused by a distorted signal due to internal contamination of the front radar reception antenna. Customers may also report other systems related to the front radar being inoperative, such as Smart Cruise Control (SCC) or Forward Collision-Avoidance Assist (FCA). Other functions of the Advanced Driver Assistance System (ADAS) are not affected. Follow the procedure in this bulletin to replace the affected front radar unit and perform all related adjustments according to Shop Manual instructions.

DTC Info: C1620 – Forward Collision-Avoidance Assist (FCA) Sensor Calibration/Alignment Error.



Applicable Vehicles:

- 2021-2022MY Elantra (CN7) equipped with front radar and produced from 09/12/2020 - 11/19/2021.
- 2021-2022MY Elantra (CN7A) equipped with front radar and produced from 09/25/2020 - 01/19/2022.

Parts Information:

Model	Part Name	Part Number	Figure	Quantity
Elantra (CN7, CN7A)	Front Radar Unit	99110-AA000QQH		1

NOTE: Due to a labeling error, part label may not have 'QQH' at the end. However, dealer is still receiving 'QQH' part as long as box enclosing part states: '99110-AA000QQH'.

Circulate To: General Manager, Service Manager, Parts Manager, Warranty Manager, Service Advisors, Technicians, Body Shop Manager, Fleet Repair

SST Information:

Tool Name	Tool #	Figure	Remarks
Reflector	09664-C1100		Follow Shop Manual instructions when using these tools: Front Radar Unit > Adjustment These are essential tools that were previously shipped to all dealers. Additional units can be ordered through BOSCH at 1-866-539-4248.
Laser	09664-C1200		
Tripod	09664-C1300		
Reflector Adapter	OK964-J5100		

Warranty Information:

Model	Op. Code	Operation	Op. Time	Casual Part	Nature Code	Cause Code
Elantra (CN7, CN7A)	30D162R0	Front Radar Replacement and Adjustment	1.1 M/H	99110-AA000	I11	ZZ3

NOTE 1: Submit claim on Claim Entry Screen as "Campaign" type.

NOTE 2: If a part is found in need of replacement while performing this campaign and the affected part is still under warranty, submit a separate claim using the same repair order. If the affected part is out of warranty, submit a Prior Approval request for goodwill consideration prior to performing the work.

NOTE 3: This TSB includes capturing a photo of the defective part with the new part and the 'Alignment Complete' screen in GDS. Op times include VIN, Mileage, and Repair validation photo(s) as outlined in the Digital Documentation Policy.

NOTE 4: If a part is found in need of replacement while performing this TSB and the affected part is still under warranty, submit a separate claim using the same repair order. If the affected part is out of warranty, submit a Prior Approval request for goodwill consideration prior to performing the work.

Service Procedure:

STUI



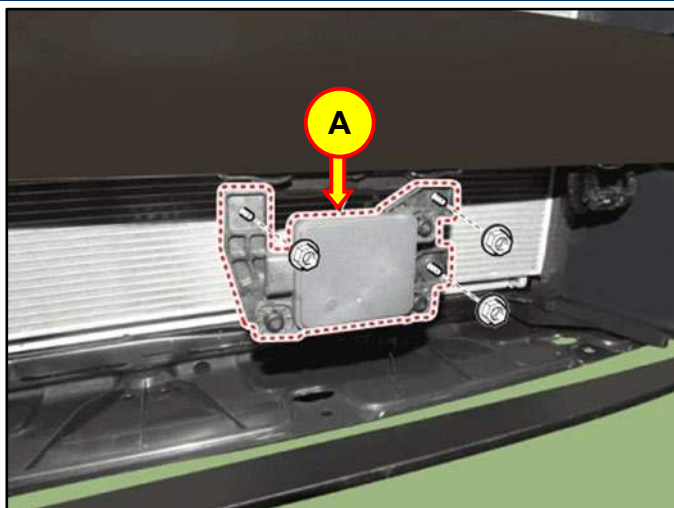
This TSB includes Repair validation photos. Refer to the latest Warranty Digital Documentation Policy for requirements.

Front Radar Replacement

1. Replace the front radar unit (A).

Refer to Shop Manual:

- **Advanced Driver Assistance System (ADAS) > Front Radar System > Front Radar Unit > Repair procedures**
- Follow all details in these procedures:
 - **Removal**
 - **Installation**
 - **Variant Coding**
 - **Alignment of mounting angle**
 - **Adjustment**



- 2.

STUI



Using STUI, take a photo of the old and new front radar unit with the last 6 digits of the VIN and the date of repair on a piece of paper.

Upload the photo to STUI.

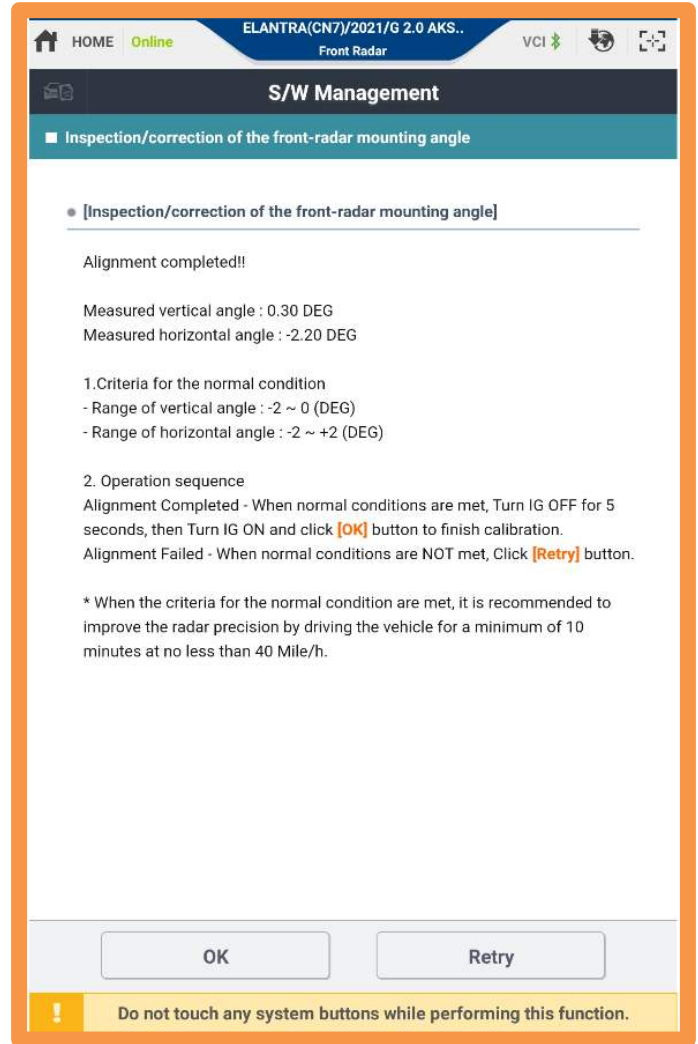


3.

STUI



Take a screenshot of the Alignment complete screen using your tablet and upload to STUI.



4. Reassemble all components in reverse order of removal.