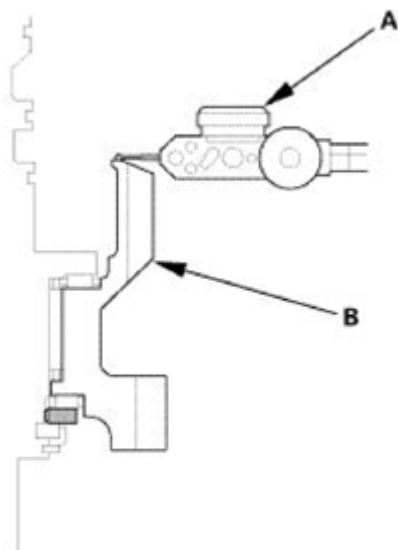


Fig. 43: Identifying Secondary Shaft 2nd Gear Related Components
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Set a dial indicator (A) on 2nd gear (B).



19. Lift the park pawl up, and engage it with the park gear, and tighten the locknut to 225 N.m (23.0 kgf.m, 166 lbf.ft).

NOTE:

- Do not tap the park gear to install.
- Use a torque wrench to tighten the locknut. Do not use an impact wrench.
- Park gear locknut (countershaft locknut) has left-hand threads.

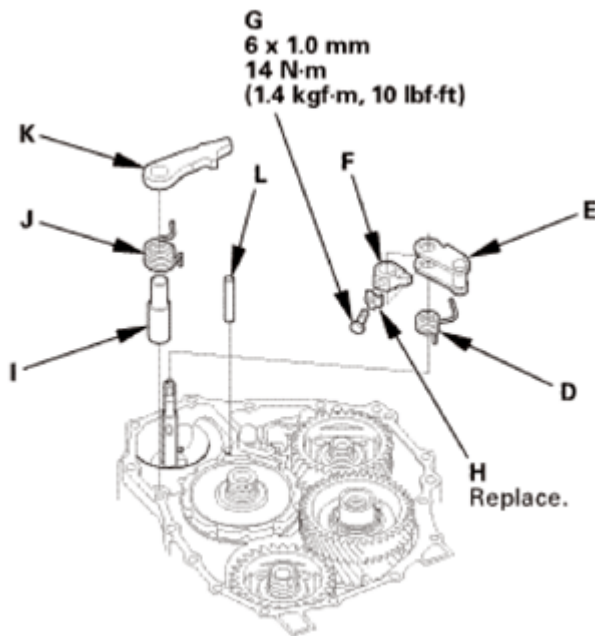


Fig. 659: Identifying End Cover Idler Gear Assembly Related Components With Torque Specifications
Courtesy of AMERICAN HONDA MOTOR CO., INC.

20. Remove the old locknuts and the old conical spring washers from the mainshaft, the countershaft, and the secondary shaft.
21. Lubricate the following parts with ATF:
 - Splines and threads of the mainshaft, the countershaft, and the secondary shaft.
 - New conical spring washers and new locknuts.
 - Areas where the conical spring washers contact the mainshaft idler gear, the secondary shaft idler gear, and the park gear.
22. Install new conical spring washers (A) with facing stamped mark side up in the direction shown.
23. Install a new mainshaft locknut (B), a new countershaft locknut (C), and a new secondary shaft locknut (D).
24. Tighten the mainshaft locknut to 155 N.m (15.8 kgf.m, 114 lbf.ft).

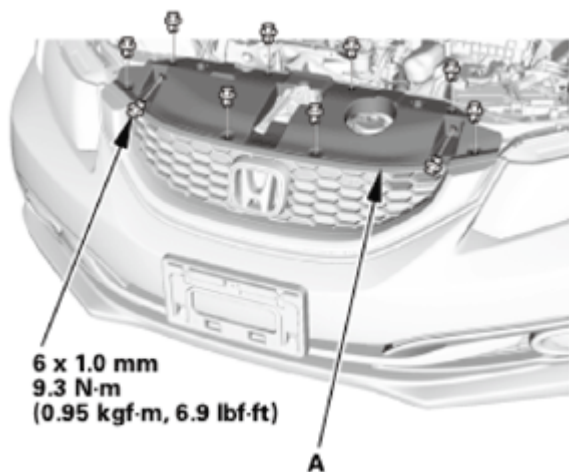


Fig. 1797: Identifying Front Grille Cover And Mounting Bolts With Torque Specifications
Courtesy of AMERICAN HONDA MOTOR CO., INC.

34. Under Cowl Panel

1. Install the under cowl panel (A).

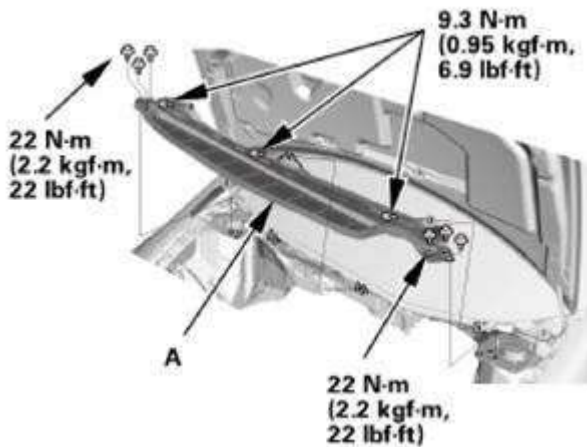


Fig. 1798: Identifying Under Cowl Panel And Mounting Bolts With Torque Specifications
Courtesy of AMERICAN HONDA MOTOR CO., INC.

35. Center Cowl Cover

1. If necessary, install the hood rear seal (A).
2. Connect the windshield washer tube (B).
3. Install the center cowl cover (C).

unit connector B (39P) and the SRS unit. Check the connection between the connector and the SRS unit. If the connection is OK, **replace the SRS unit** See **SRS UNIT REMOVAL AND INSTALLATION & SRS UNIT UPDATE** . If the DTC does not clear, replace the floor wire harness.

NO: Short to another wire in the floor wire harness; replace the floor wire harness, then clear the DTC.

DTC B0090-4A, B0090-92: INTERNAL FAILURE OF THE LEFT FRONT IMPACT SENSOR

DTC Troubleshooting: B0090-4A, B0090-92

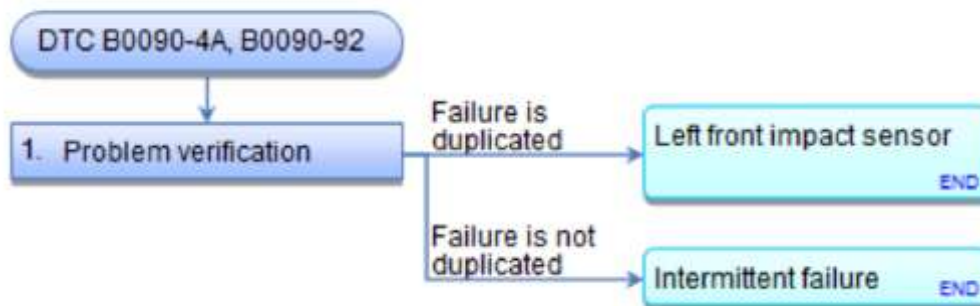


Fig. 136: DTC Troubleshooting Workflow Chart (DTC B0090-4A, B0090-92)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

NOTE:

- Before doing this troubleshooting procedure, find out if the vehicle was in a collision. If so, verify that all the required components were replaced with new components, of the correct part number, and that they were properly installed See **AIRBAG AND TENSIONER DISPOSAL - IN THE VEHICLE** , **AIRBAG AND TENSIONER DISPOSAL - OUT OF THE VEHICLE** or **SRS COMPONENT REMOVAL, INSTALLATION, AND INSPECTION AFTER DEPLOYMENT** .
- Before doing this troubleshooting procedure, review **SRS PRECAUTIONS AND PROCEDURES** and **GENERAL TROUBLESHOOTING INFORMATION** .
- Before replacing the SRS unit, check the SRS unit software version with the HDS. If the software version is not the latest, update the SRS unit software See **SRS UNIT REMOVAL AND INSTALLATION** or **SRS UNIT UPDATE** , and retest.

1. Problem verification:

- 1. **CLEAR THE DTCS WITH THE HDS** .
- 2. Turn the ignition switch to ON (II), then wait for 10 seconds.
- 3. **CHECK FOR DTCS WITH THE HDS** .

Is DTC B0090-4A or B0090-92 indicated?

3. Clutch Pedal

1. Install the master cylinder mounting nuts (A).
2. Connect the clevis (B) to the clutch pedal, then apply multipurpose grease between the clutch pedal and the clevis.

NOTE: Wipe off any excess grease.

3. Apply multipurpose grease to the clevis pin (C).
4. Slide the clevis pin into the clevis.
5. Install the lock pin (D).

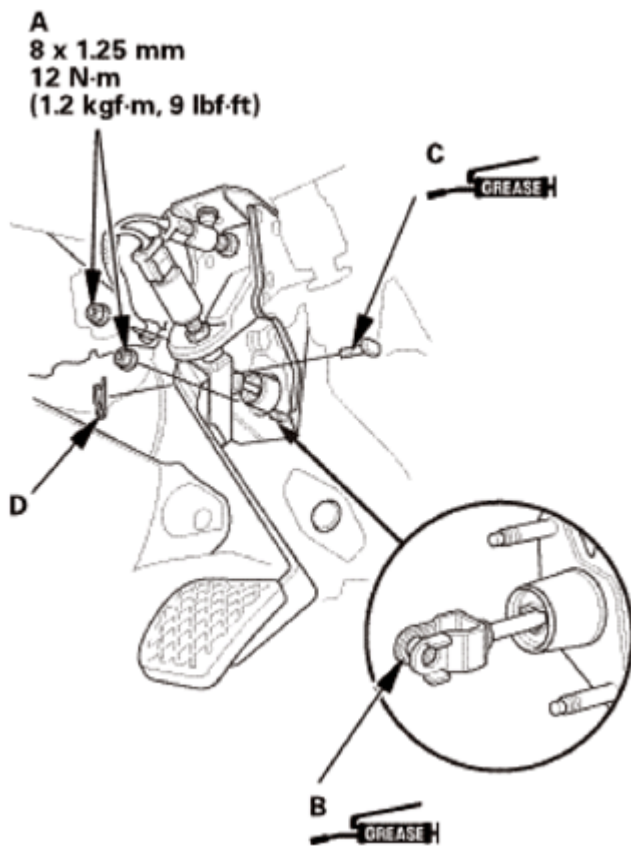


Fig. 90: Applying Multipurpose Grease To Clevis Pin
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Under Cowl Panel

1. Install the under cowl panel (A).



Fig. 550: Installing Rear Door Panel
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Install the screw (A).

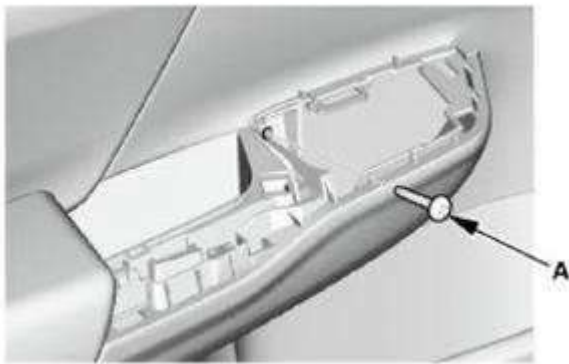


Fig. 551: Identifying Screw Of Rear Door Panel
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Install the screw (A).

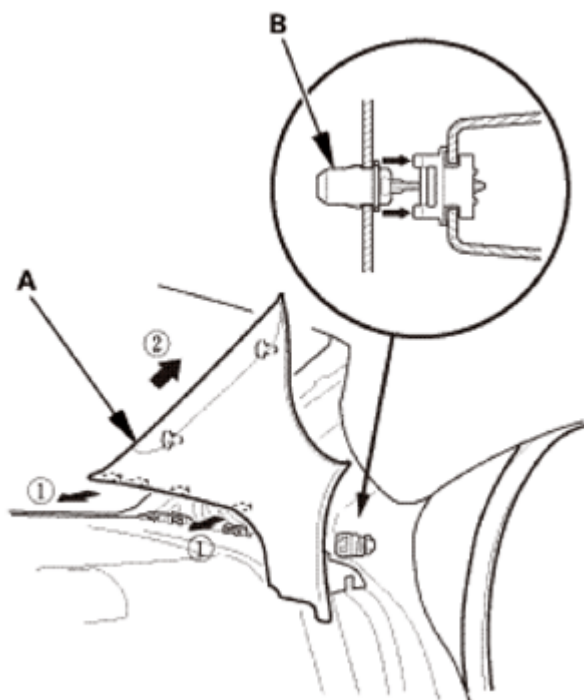


Fig. 129: Removing C-Pillar Trim
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Remove the front clip (A).
5. The left side is shown; repeat on the right side.

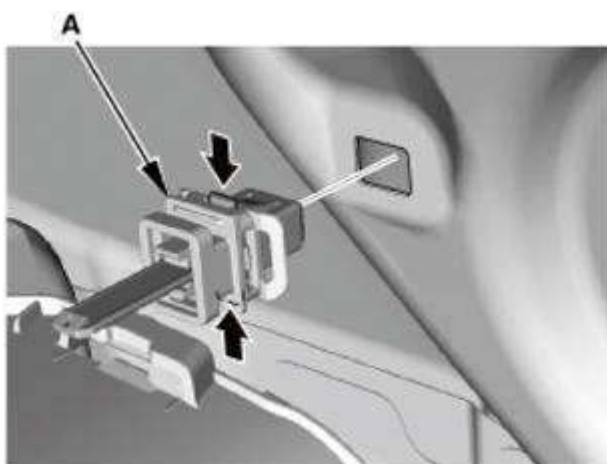


Fig. 130: Removing C-Pillar Trims Front Clip
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

5. Rear Shelf (Natural Gas Model)

1. From the trunk compartment, disconnect the connector (A).

the head cover gasket is seated securely.

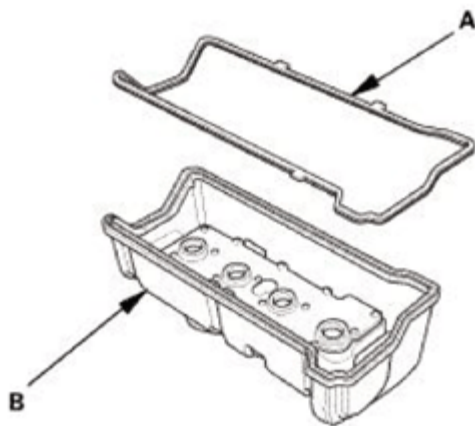


Fig. 104: Identifying Cylinder Head Cover And Gasket
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Remove all of the old liquid gasket from the chain case and the No. 5 rocker shaft holder.
5. Clean the head cover contacting surfaces with a shop towel.
6. Apply liquid gasket, (P/N 08718-0004 or 08718-0009) on the chain case and the No. 5 rocker shaft holder mating areas (A). Install the component within 5 minutes of applying the liquid gasket.

NOTE: If too much time has passed after applying the liquid gasket, remove the old liquid gasket and residue, then reapply new liquid gasket.

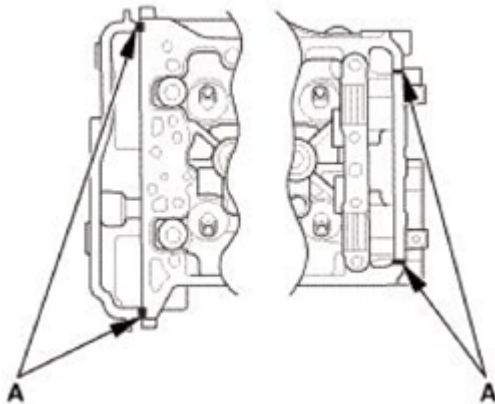


Fig. 105: Identifying Liquid Gasket Applying Area On Chain Case And No. 5 Rocker Shaft Holder Mating Surface
Courtesy of AMERICAN HONDA MOTOR CO., INC.

7. Set the spark plug seals (A) on the spark plug tubes. Place the cylinder head cover (B) on the cylinder head, then slide the cover slightly back and forth to seat the head cover gasket.

HandsFreeLink control unit 32P connector: disconnected

Audio-navigation unit connector E (16P): disconnected

Test circuit TELEM_SIG+

Test point 1 Audio-navigation unit connector E (16P) No. 5 (BLU)

Test point 2 HandsFreeLink control unit 32P connector No. 4 (BLU)

Test circuit TELEM_SIG-

Test point 1 Audio-navigation unit connector E (16P) No. 13 (PNK)

Test point 2 HandsFreeLink control unit 32P connector No. 20 (PNK)

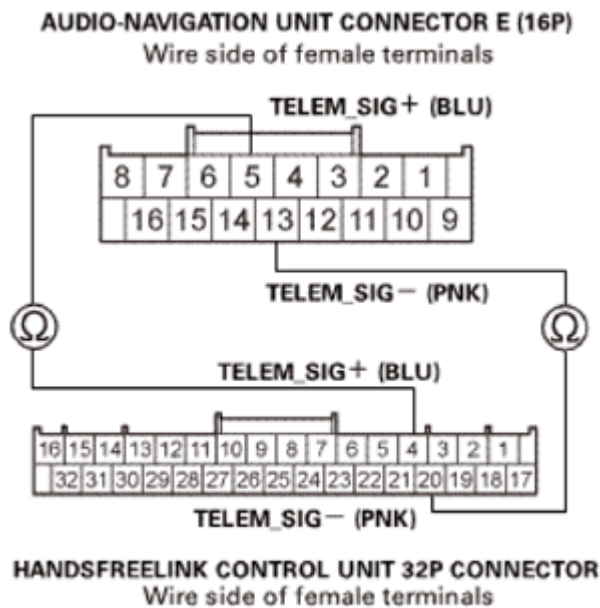


Fig. 60: Audio-Navigation Unit Connector E & HandsfreeLink Control Unit 32P Connector Terminal Identification
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES: Go to step 8.

NO: There is an open in the wire(s) between the HandsFreeLink control unit and the audio-navigation unit. Replace the affected shielded harness.

8. Audio-navigation unit check:

- 1. **SUBSTITUTE A KNOWN-GOOD HANDSFREELINK CONTROL UNIT**, and recheck.

8. A/C Line - Evaporator Side

1. Stud bolt type; Install the stud bolt (A).

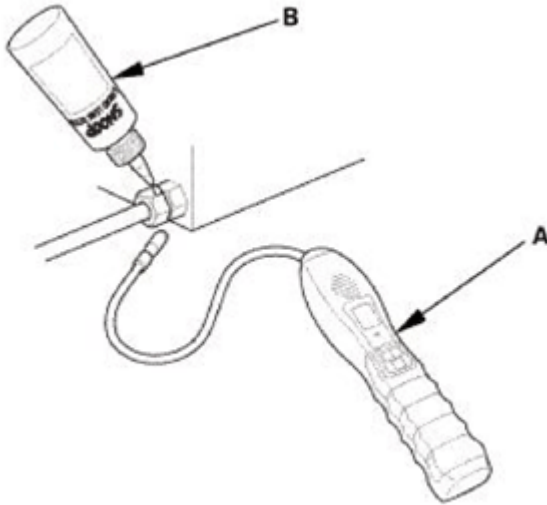


Fig. 324: Identifying A/C Line - Evaporator Side Stud Bolt With Torque Specification
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Connect the A/C line (A) with new O-rings (B) that are lubricated with clean refrigerant oil.

Stud bolt type

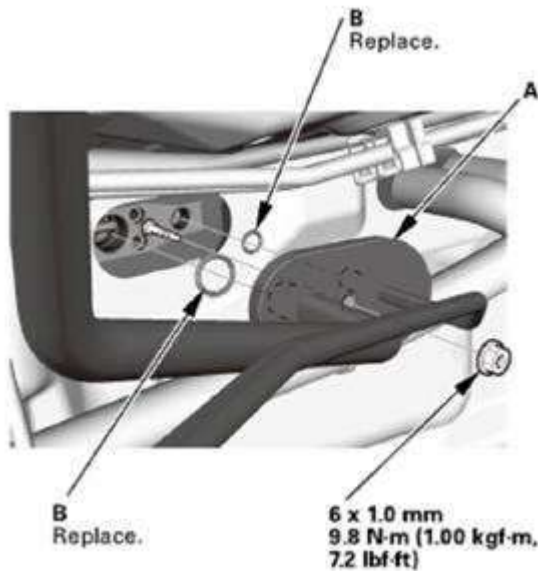


Fig. 325: Identifying A/C Line, O-Rings & Stud Bolt With Torque Specification
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Flange bolt type

2. Install the screws (A).

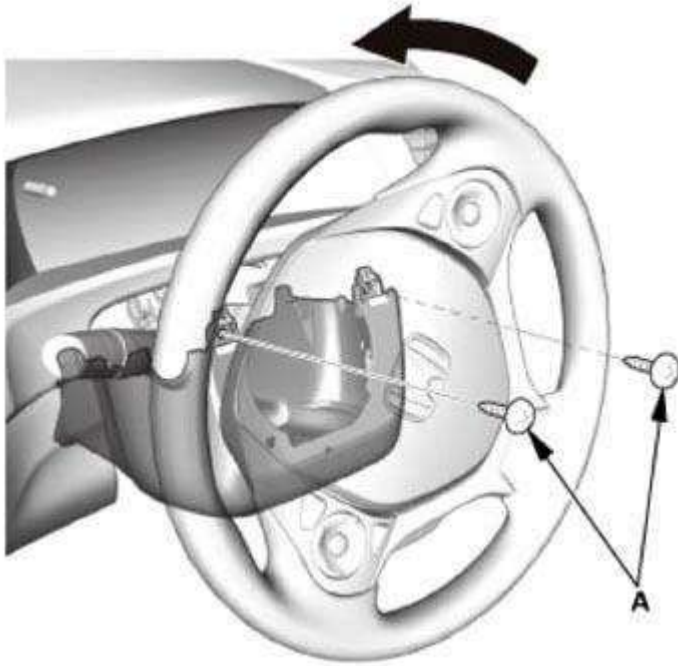


Fig. 23: Installing Lower Cover Screws
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Upper Column Cover

1. Install the upper column cover (A).

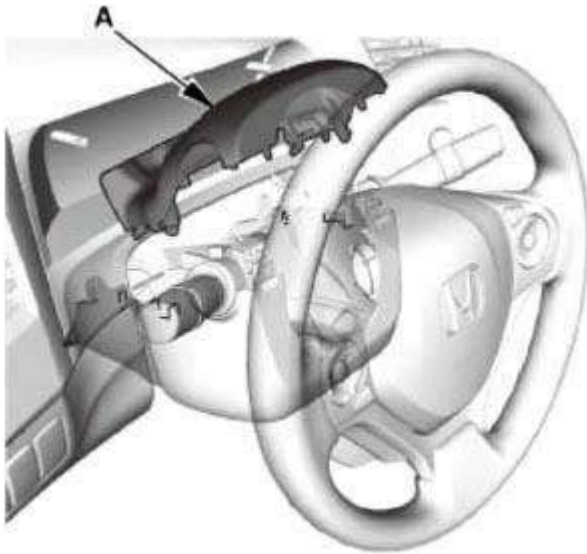


Fig. 24: Identifying Upper Column Cover
Courtesy of AMERICAN HONDA MOTOR CO., INC.

- 1. Push the LOCK and the UNLOCK buttons of the keyless remote, and check if the LED on the keyless remote comes on.

Does the LED come on?

YES: Go to step 2.

NO: Replace the keyless remote battery and recheck the system. If the symptom does not go away, replace the keyless remote.

2. Keyless access system check 2:

- 1. Touch the engine start/stop switch with the keyless remote. The buttons on the keyless remote should be facing you.
- 2. Press the engine start/stop button to select the ON mode.
- 3. **Connect the HDS to the data link connector (DLC)** See DLC CIRCUIT TROUBLESHOOTING (EXCEPT K24Z7) or DLC CIRCUIT TROUBLESHOOTING (K24Z7) .
- 4. Select KEYLESS ACCESS CONTROL UNIT from the ONE-PUSH START system select menu with the HDS, and enter SELF CHECK.

Does the system communicate with the HDS?

YES: Go to step 3.

NO: **DO THE KEYLESS ACCESS CONTROL UNIT INPUT TEST.**

3. PCU DTC check:

- 1. Check for PCU DTCs with the HDS.

Are any DTCs indicated?

YES: Troubleshoot the PCU DTCs.

NO: Go to step 4.

4. Keyless access DTC check:

- 1. Check for keyless access control unit DTCs with the HDS.

Are any DTCs indicated?

YES: Troubleshoot the keyless access control unit DTCs.

NO: Go to step 5.

5. Backup DTC check:

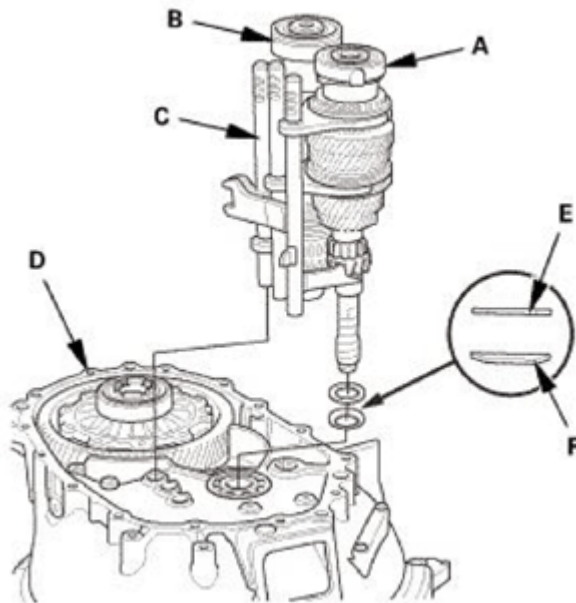


Fig. 601: Identifying Mainshaft, Countershaft, Shift Fork Assembly, Clutch Housing, Spring And Washers
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

8. Differential Assembly

1. Remove the differential assembly (A).
2. Remove the magnet (B).

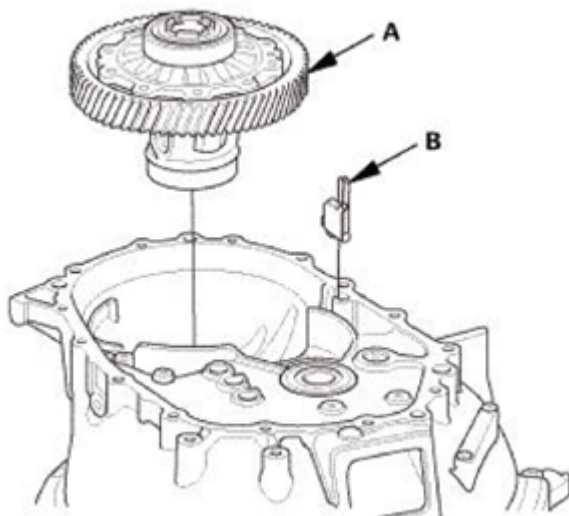


Fig. 602: Identifying Differential Assembly And Magnet
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

9. M/T Mainshaft Oil Seal

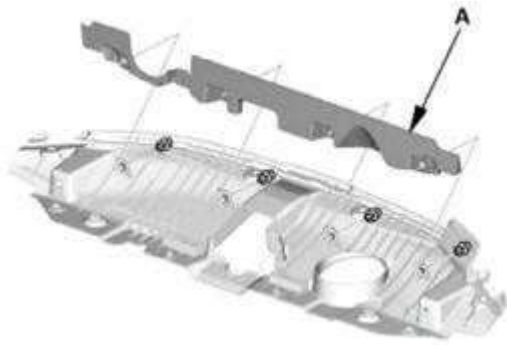


Fig. 1286: Identifying Front Bumper Upper Duct
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Install the front grille cover (A).

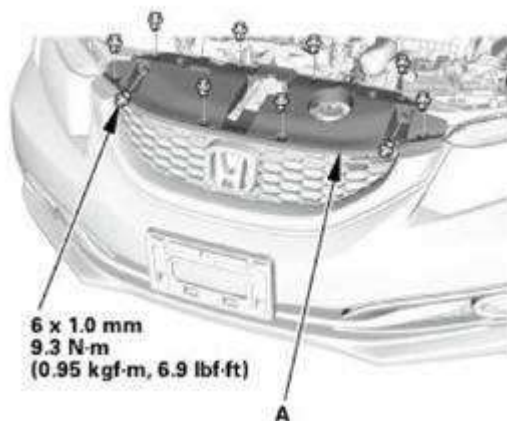


Fig. 1287: Identifying Front Grille Cover With Torque Specification
Courtesy of AMERICAN HONDA MOTOR CO., INC.

42. Manual Transmission After Install - Check

1. Check the shift lever operation.
2. Check the clutch operation.

43. Pre-Alignment Checks

For proper inspection and adjustment of the wheel alignment, do these checks:

1. Release the parking brake to avoid an incorrect measurement.
2. Make sure the suspension is not modified.
3. Make sure the fuel tank is full, and that the tire repair kit, the spare tire, the jack, and the tools are in place on the vehicle.
4. Check the tire size and tire pressure according to tire information.

44. Caster - Inspection

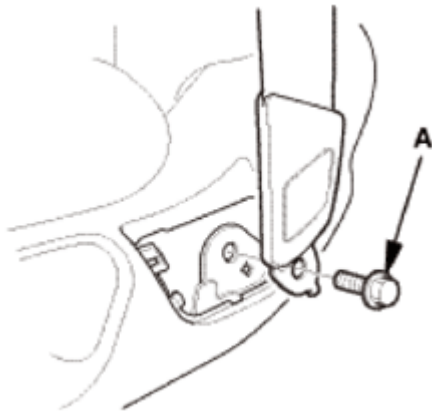


Fig. 4: Identifying Front Seat Belt Lower Anchor Bolt
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Head Restraint

1. Remove the headrest restraint (A).

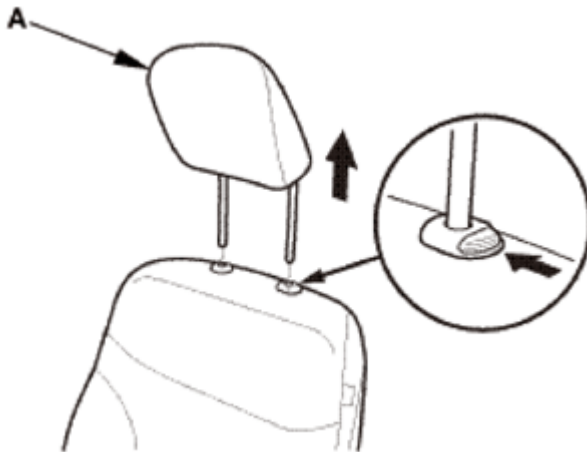


Fig. 5: Identifying Headrest Restraint
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Front Seat - Driver's Side

1. Remove both seat track end covers (A).