

**September 5, 2022**

Version 1

## Manual Transmission Will Not Shift, the Clutch is Slipping, or the Vehicle Won't Move When in Gear

### AFFECTED VEHICLES

Year	Model	Trim	VIN Range
2020 – 2021	Civic (1.5L T Engine)	LX, EX, Sport, Si (with M/T)	ALL

### SYMPTOM

Customer complains that the manual transmission will not shift, the clutch is slipping, or the vehicle won't move when in gear.

### POSSIBLE CAUSE

Due to supplier production issues, the friction disc material may have prematurely worn.

### CORRECTIVE ACTION

Replace the flywheel, pressure plate, friction disc (Clutch), and release bearing.

### PARTS INFORMATION

Part Name	Part Number	Quantity
FLYWHEEL	22100-5CD-018	1
FRICION DISK	22200-5CC-003	1
PRESSURE DISK	22300-5CC-003	1
CLUTCH RELEASE BEARING	22810-57A-006	1
SET-RING (28MM X 2.0MM)	44319-S1A-E01	1
SPINDLE NUT (24MM)	90305-SD4-003	2
FLANGE BOLT (14MM X 90MM)	90179-SDA-A00	4
FLANGE BOLT (14MM X 45MM)	90163-TBA-A00	2
GEAR BOX MOUNTING BOLT	90108-TL1-G00	1

**CUSTOMER INFORMATION:**The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by "do-it-yourselfers," and you should not assume this bulletin applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Honda automobile dealer.

Part Name	Part Number	Quantity
FLANGE BOLT (10MM X 65MM)	90210-TBA-A01	2
FLANGE BOLT (14MM X 35MM)	90181-TBA-A00	2
SELF-LOCK NUT (12MM) (CLINCH)(SATO RASHI)	90215-SB0-003	6
FLANGE NUT (10MM)	90002-S10-000	2
SELF-LOCK NUT (10MM)	90212-SA5-003	8
SPLIT PIN (3.0MM X 22MM)	94201-30220	2
EXHAUST PIPE GASKET	18302-SP0-003	1
EXHAUST PIPE GASKET	18303-T2B-A01	2
FLANGE NUT (12MM)	90371-TBA-A00	2
FLANGE BOLT (12MM X 50MM)	90167-TBA-A00	2
FLANGE BOLT (14MM X 33MM)	90164-T6E-000	5
SEALING WASHER (6MM)	90442-R7G-000	1
DRAIN PLUG WASHER (20MM)	94109-20000	1

#### REQUIRED MATERIALS

Part Name	Part Number	Quantity
Super high temp urea grease (Will repair 10 vehicles)	08798-9002	1
UM246 (Will repair 10 vehicles)	41211-PY5-305	1
Moly 60 paste (Will repair 10 vehicles)	08734-0001	1
Honda MTF (1 qt)	08798-9031	3

#### TOOLS INFORMATION

Part Name	Part Number
Universal Lifting Eyelet	07AAK-SNAA120
Engine Support Hanger, A and Reds	AAR-T1256
Subframe Alignment Pin	070AG-SJAA10S
Subframe Adapter	VSB02C000016
Ball Joint Thread Protector, 12 mm	07AAF-SDAA100
Ball Joint Remover, 28 mm	07MAC-SL00202
Ring Gear Holder Attachment	070AB-5S10100

Part Name	Part Number
Ring Gear Holder	07LAB-PV00100
Remover Handle	07936-3710100
Shaft, Clutch Align	07ZAF-PR8A100

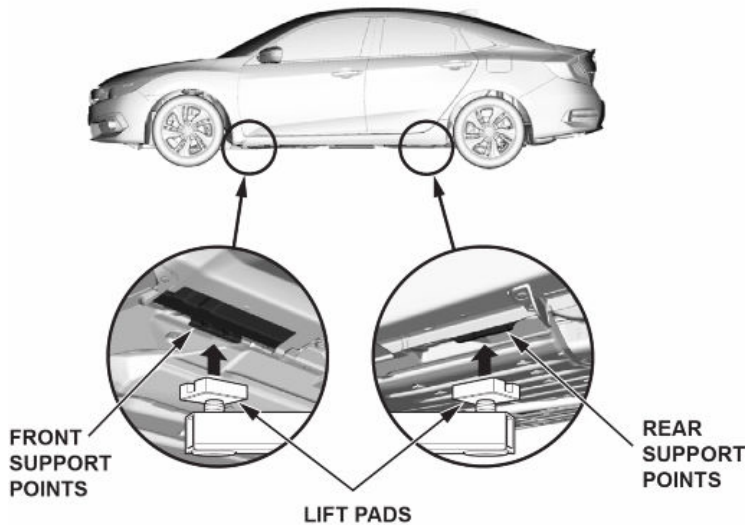
## WARRANTY CLAIM INFORMATION

The normal warranty applies.

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
2101J3	Replace the Flywheel, Pressure plate, Friction Disc, and release bearing. (Includes alignment and steering relearn)	5.3 hr	00504	03217	A22017A	22200-5CC-003

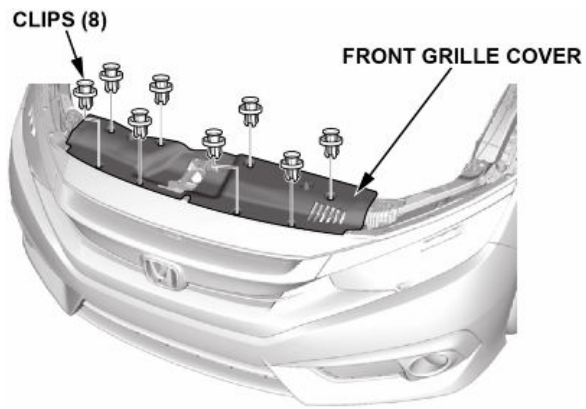
## REPAIR PROCEDURE

1. Support and raise the vehicle:
  - 1.1. Position the lift pads under the vehicle's front support points and rear support points.

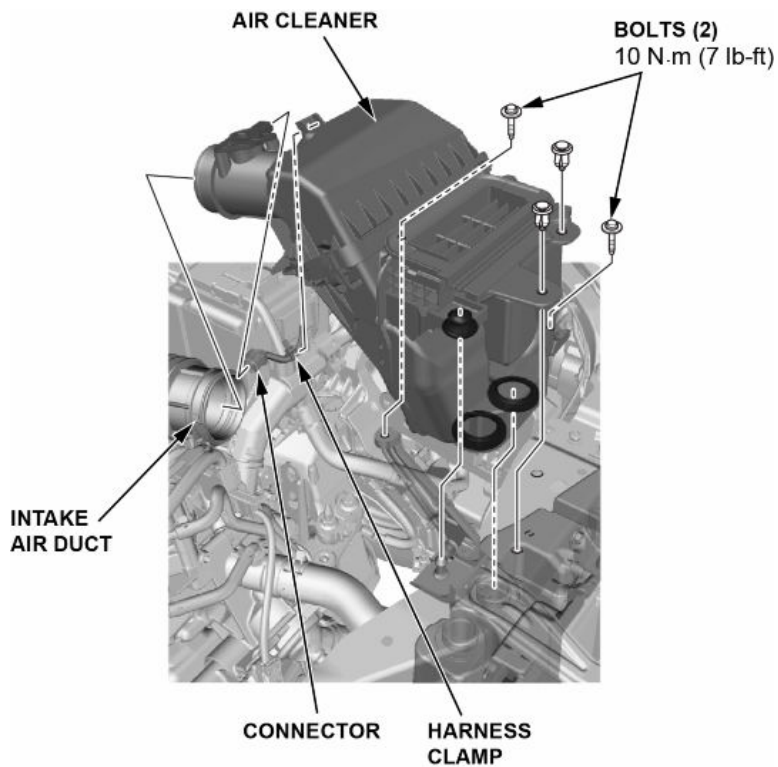


- 1.2. Raise the lift a few inches, and rock the vehicle gently to be sure it is firmly supported.
- 1.3. Raise the lift to a comfortable working height and inspect the vehicle support points for solid contact with the lift pads

2. Remove the front grille cover.

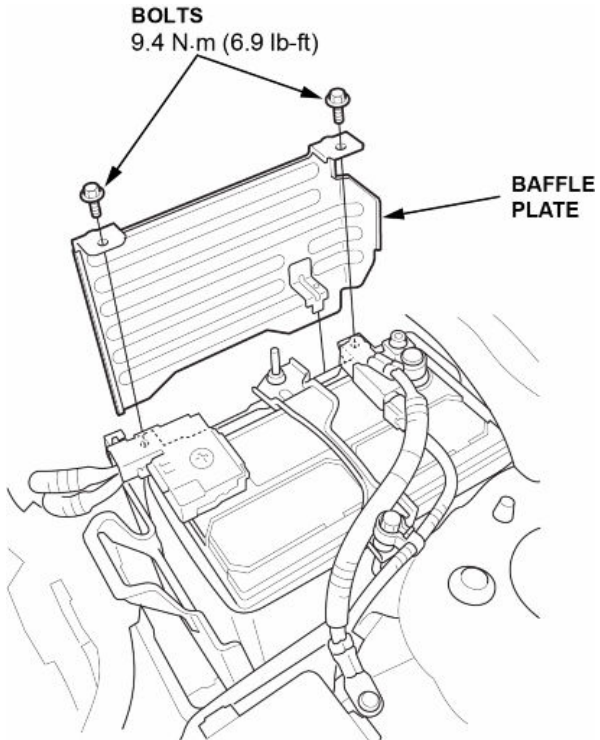


3. Remove the air cleaner:

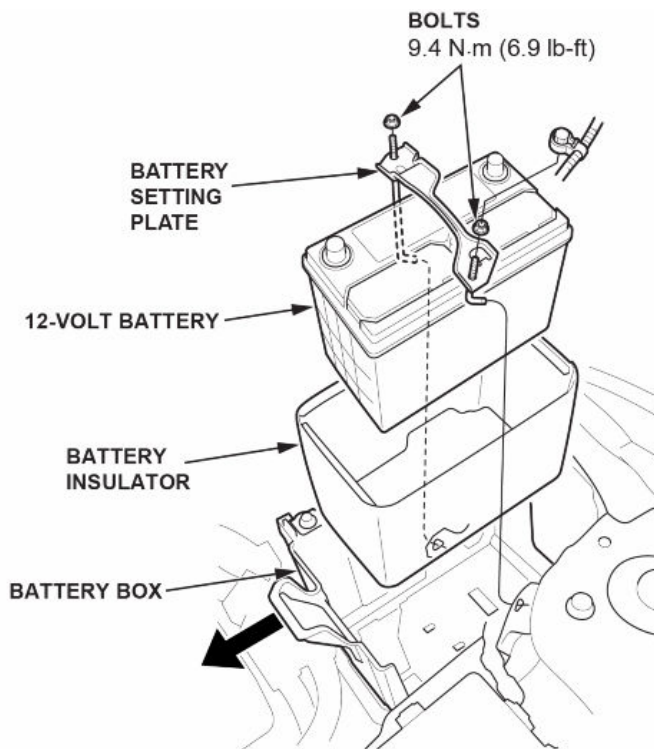


- 3.1. Disconnect the intake air duct.
- 3.2. Disconnect the connector.
- 3.3. Remove the harness clamp.
- 3.4. Remove the air cleaner.
- 3.5. Remove the intake air duct.

4. Remove the 12 volt battery:
  - 4.1. Remove the baffle plate.

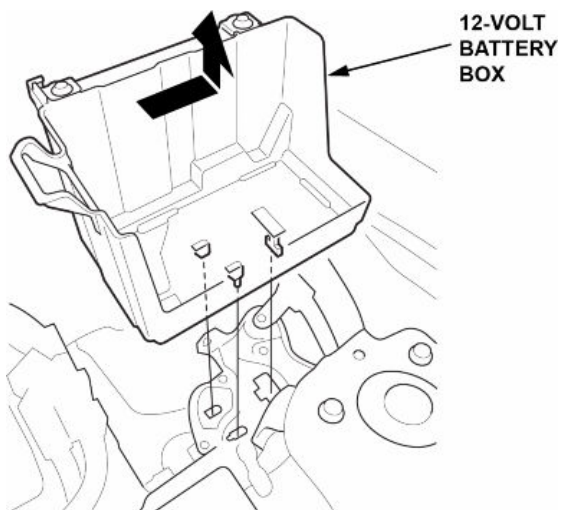


- 4.2. Disconnect the Positive and Negative terminals.
  - 4.3. Remove the 12-volt battery setting plate.



- 4.4. Remove the 12-volt battery insulator and the 12-volt battery.

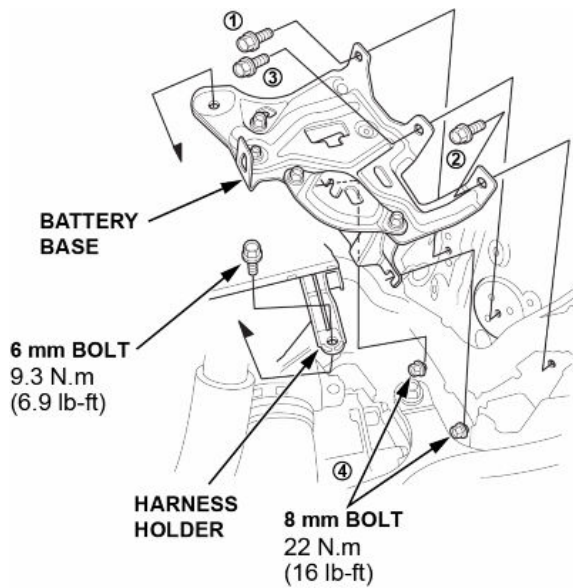
4.5. Remove the 12-volt battery box.



5. Remove the 12 Volt Battery Base.

5.1. Remove the harness holder.

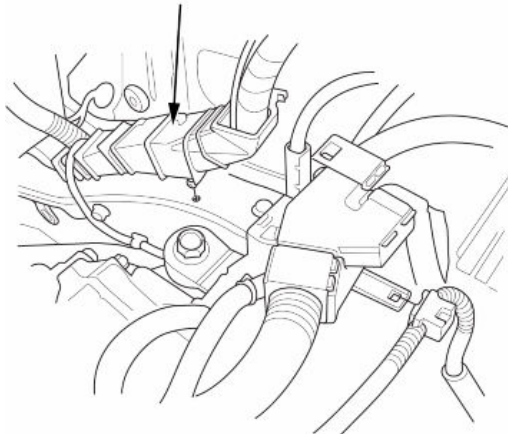
5.2. Loosen the bolts.



5.3. Remove the 12-volt battery base.

5.4. Remove the harness holder.

**HARNESS HOLDER**



6. Remove the PCM:

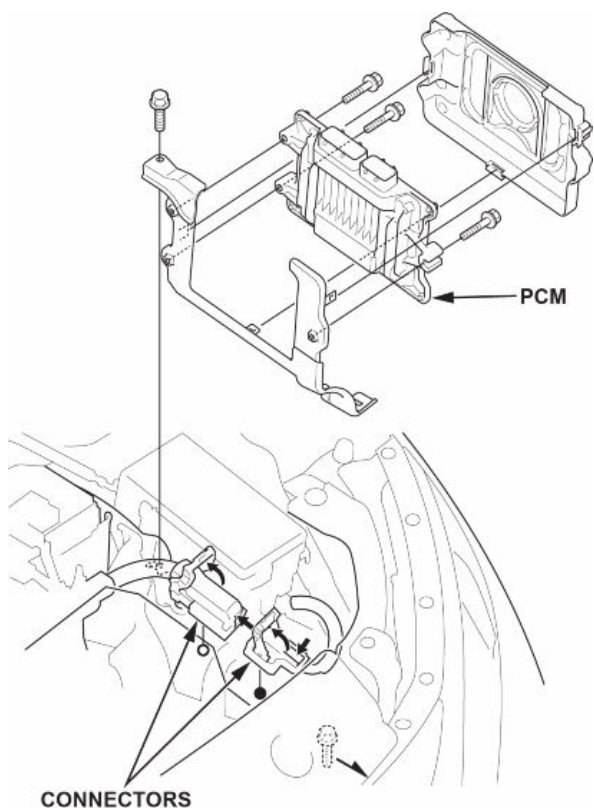
6.1. Remove the bracket.

**BRACKET**  
Remove.

**BOLTS**  
Remove.



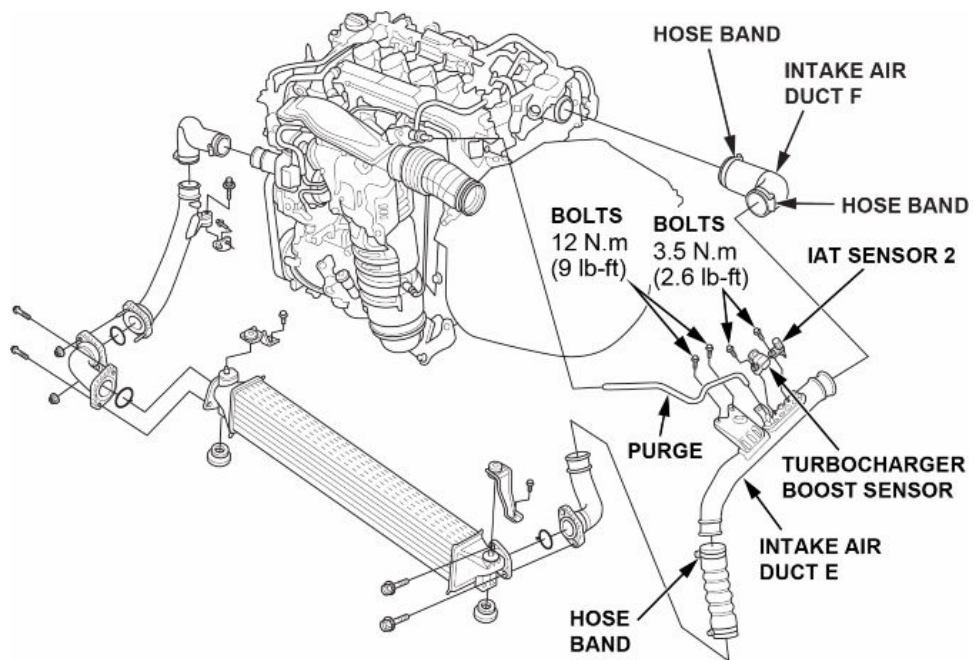
6.2. Loosen and remove the bolts.



6.3. Disconnect the connectors from the PCM.

6.4. Remove the PCM.

7. Remove the Intake Air Duct E and F.



8. Remove the clutch slave cylinder:

8.1. Remove the clutch line brackets.

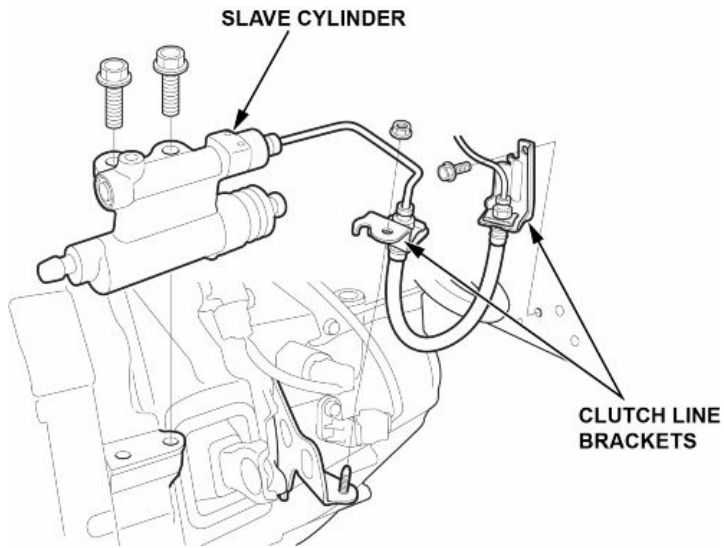
8.2. Remove the slave cylinder.



8.3. Carefully move the slave cylinder out of the way to avoid bending the clutch line.

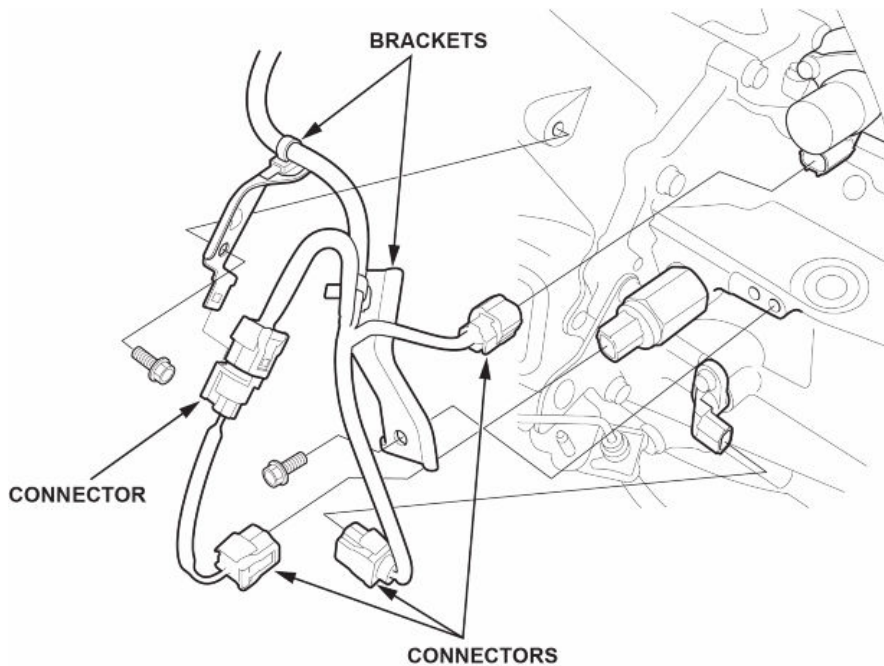
NOTE:

- Do not press the clutch pedal after the slave cylinder has been moved.
- Do not disconnect the clutch line joints.

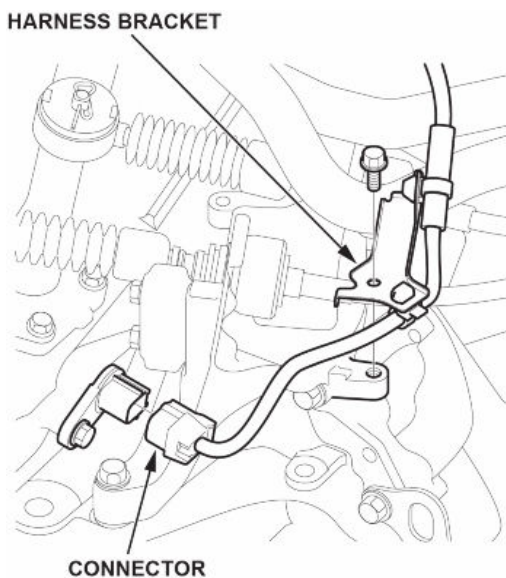


9. Remove engine wire harness (transmission side):

- 9.1. Disconnect the connectors.
- 9.2. Remove the connector from the bracket.
- 9.3. Remove the brackets.

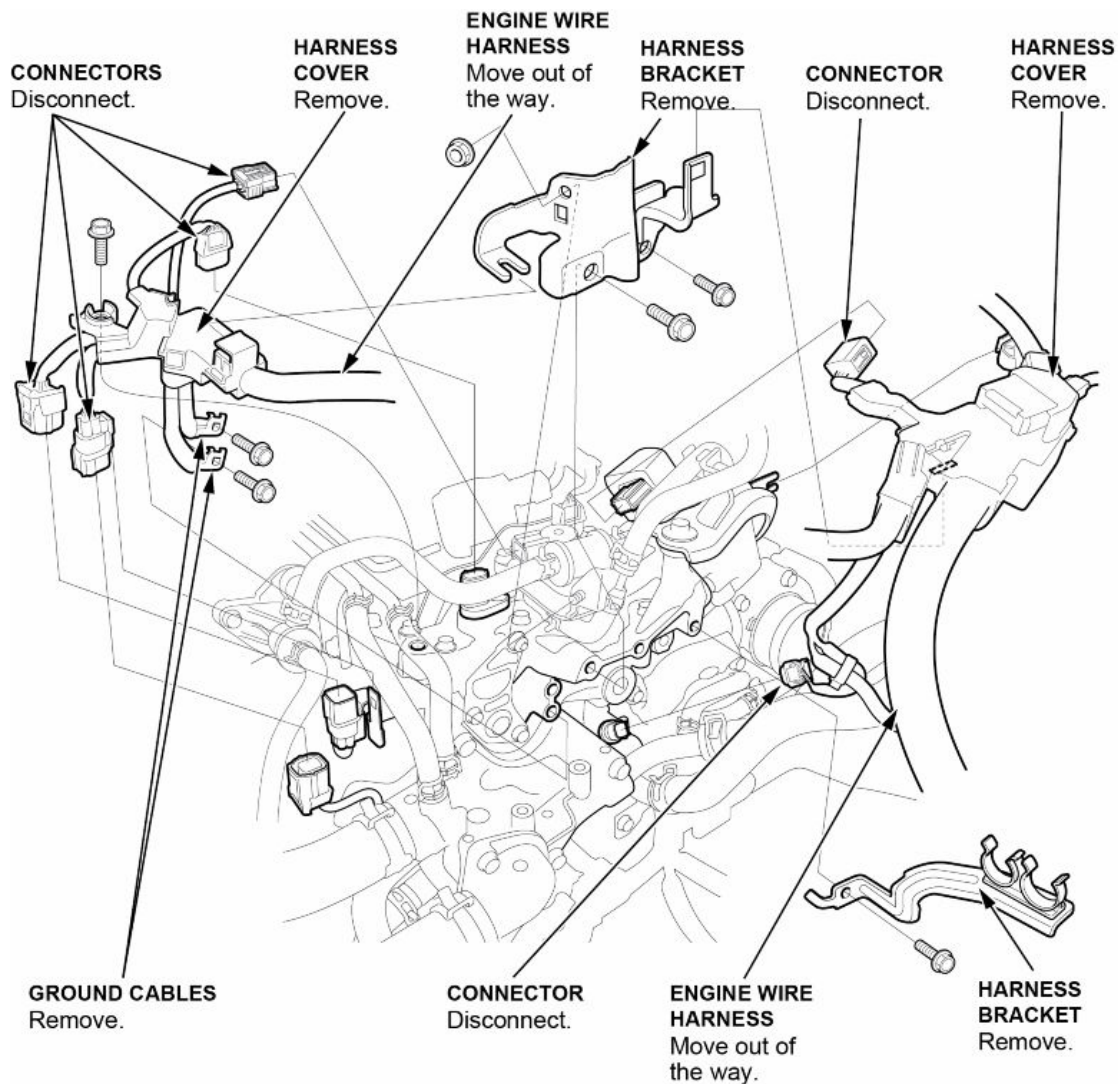


9.4. Disconnect the connector.



9.5. Remove the harness bracket.

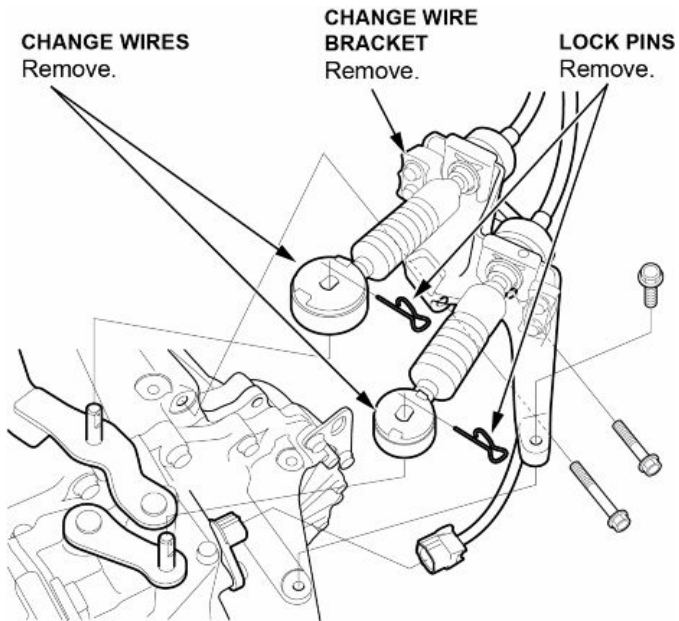
10. Remove engine wire harness (engine side):



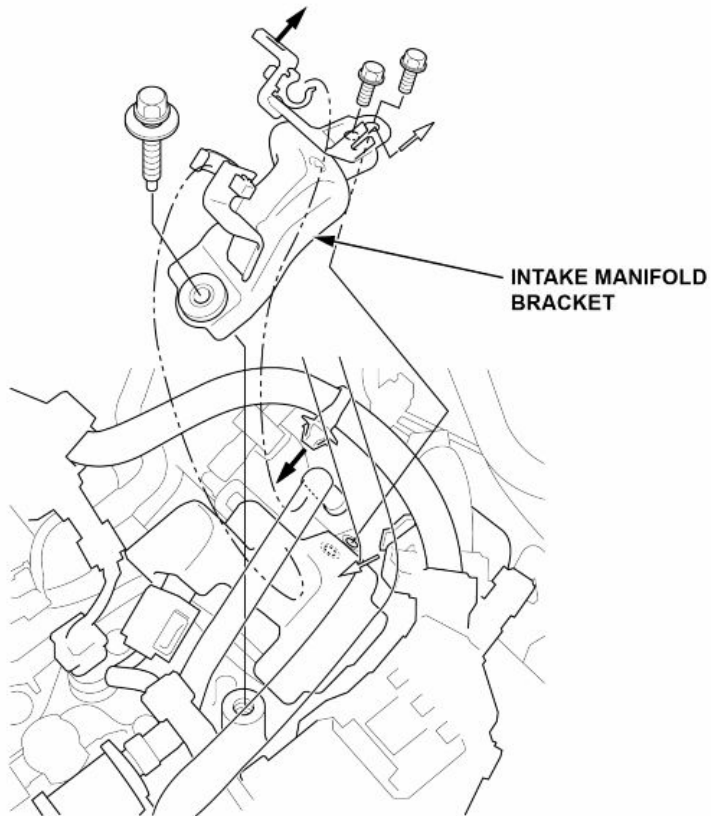
11. Remove change wire bracket:

11.1. Remove the lock pins.

11.2. Carefully remove the change wire and the change wire bracket together to avoid bending the change wire.

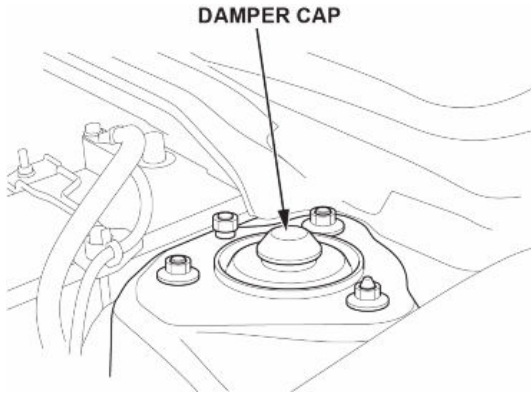


12. Remove the intake manifold bracket.

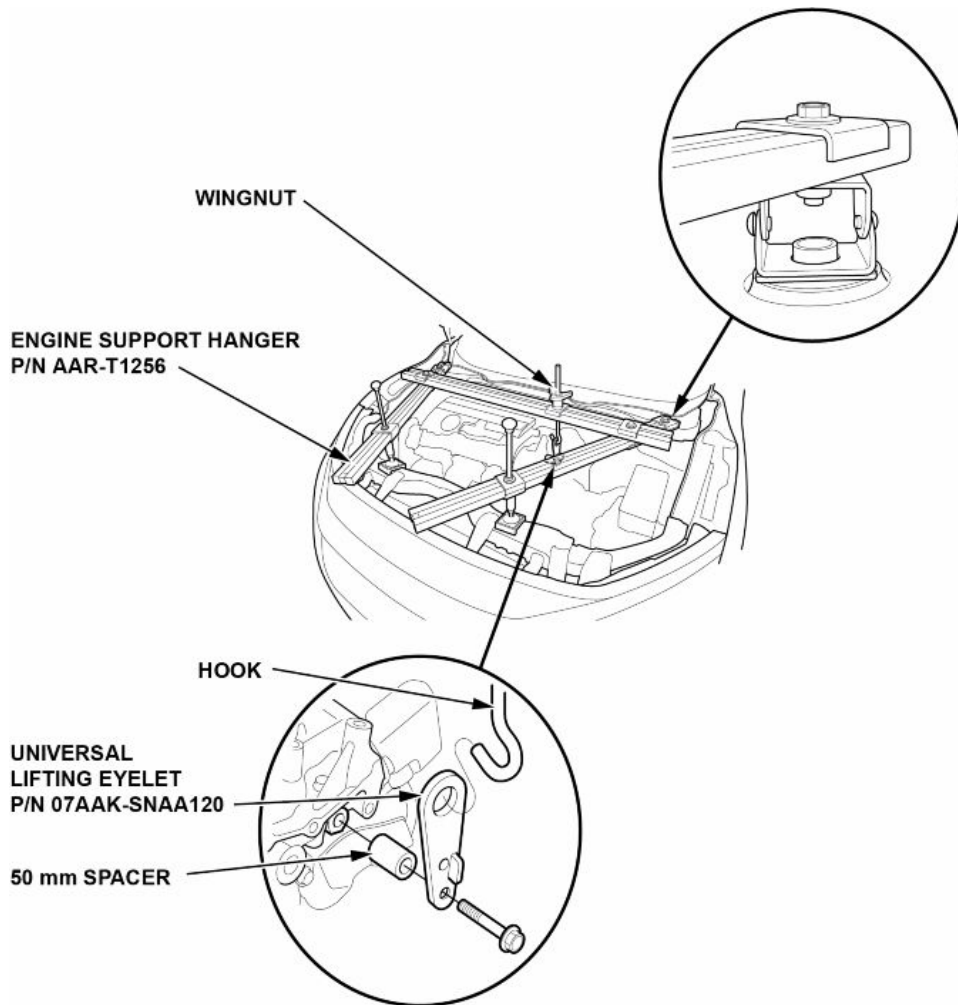


13. Install engine support hanger:

13.1. Remove the front damper caps.



13.2. Install the universal lifting eyelet with a **50mm (2.0 in)** commercially available spacer.

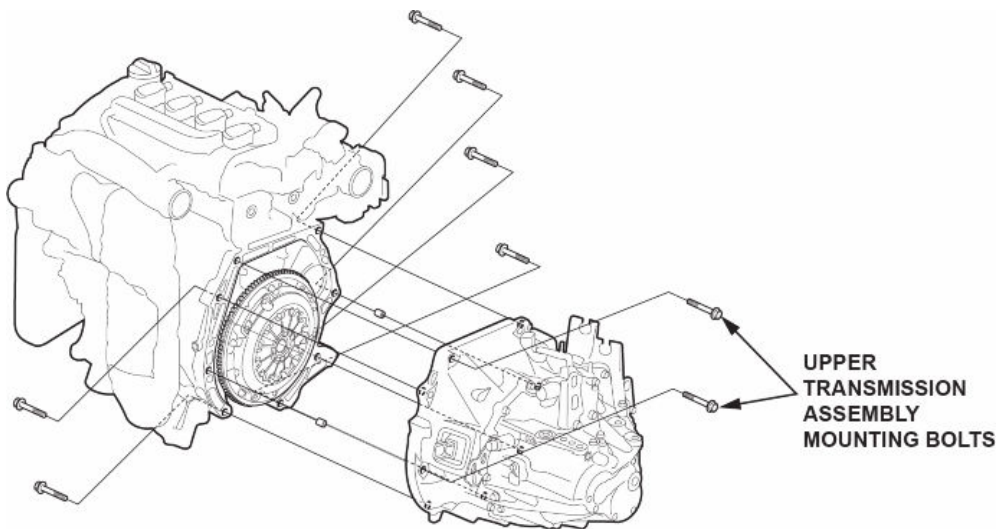


13.3. Install the engine support hanger onto the vehicle as shown.

13.4. Attach the hook to the slotted hole in the universal lifting eyelet.

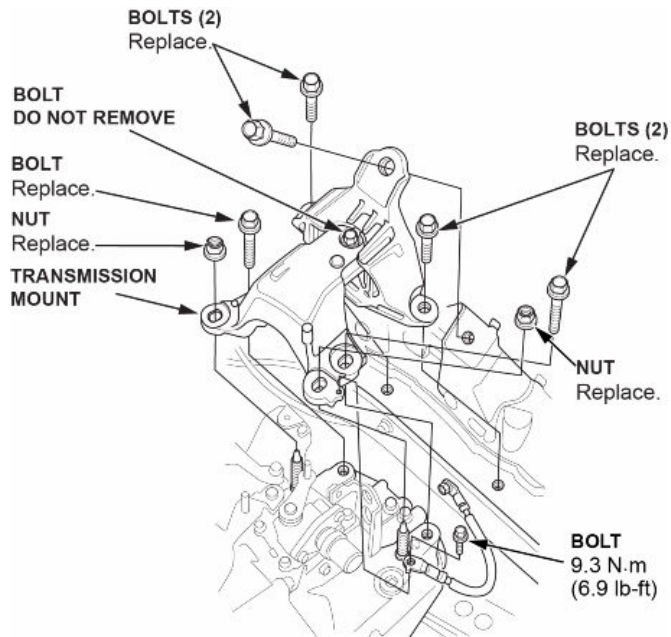
13.5. Tighten the wing nut by hand and lift and support the engine/transmission.

14. Remove the upper transmission assembly mounting bolts.



15. Remove the transmission mount:

**NOTE:** Do not remove the bolt called out in the image below. If the bolt is removed, the transmission mount must be replaced as an assembly.



15.1. Remove the ground cable.

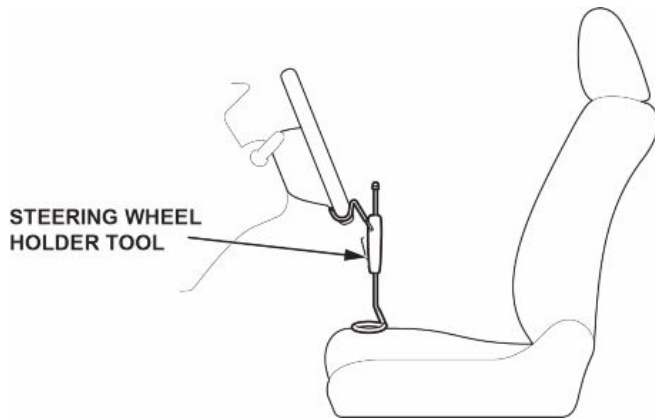
15.2. Remove the transmission mount.

16. Disconnect the steering joint:

NOTE:

- If the center guide is in place and has not moved, leave it in place.
- If the center guide has come off, discard it.

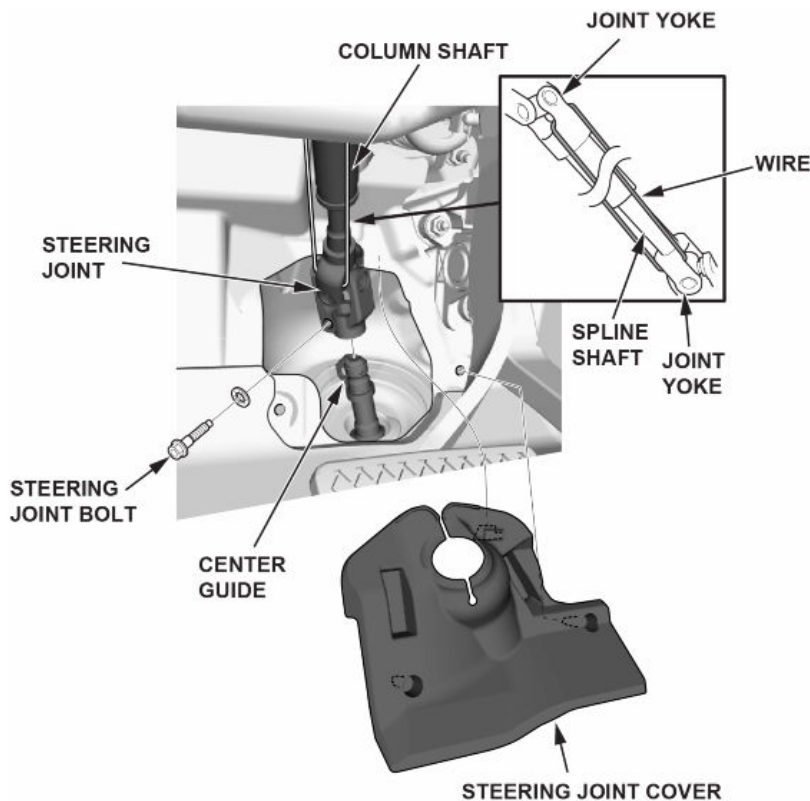
16.1. Center the steering wheel spoke angle.



16.2. Install a commercially available steering wheel holder tool.

16.3. Remove the steering joint cover.

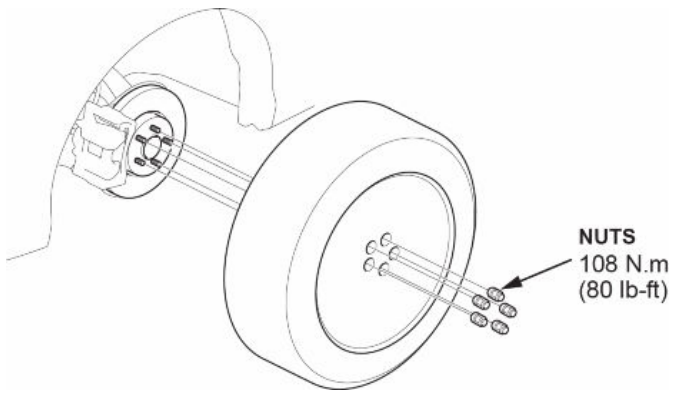
16.4. Hold the spline shaft on the column with a piece of wire between the joint yoke of the spline shaft and the joint yoke of the spline tube to prevent the spline shaft from pulling out.



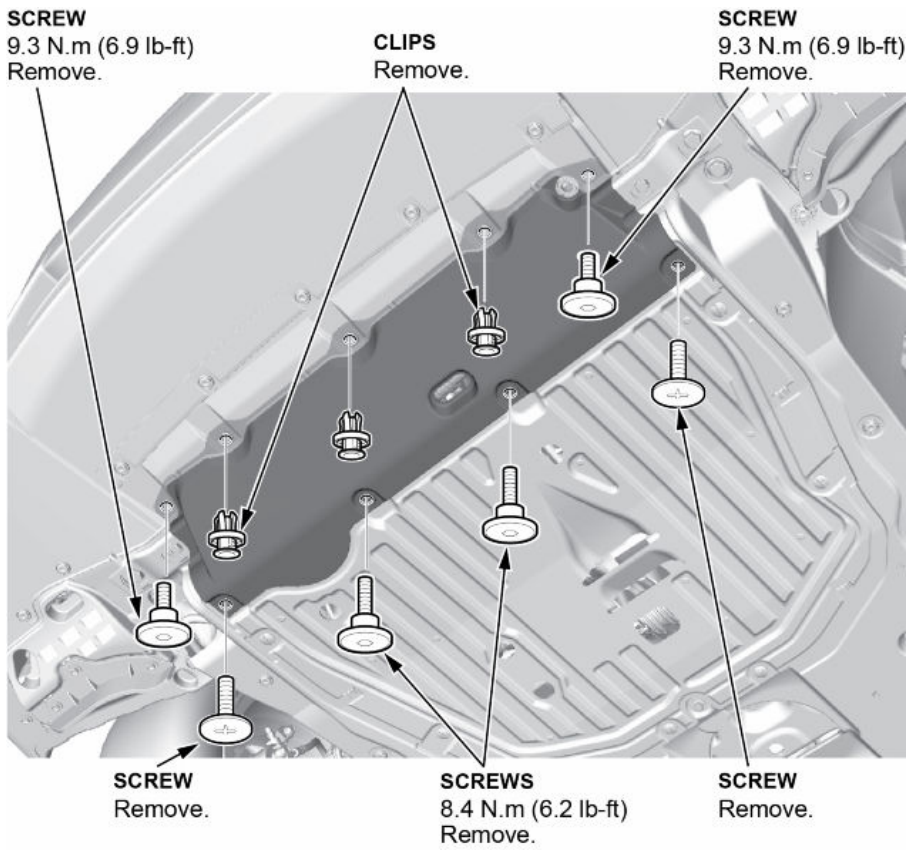
16.5. Remove the steering joint bolt.

16.6. Disconnect the steering joint by sliding the steering joint into the column shaft.

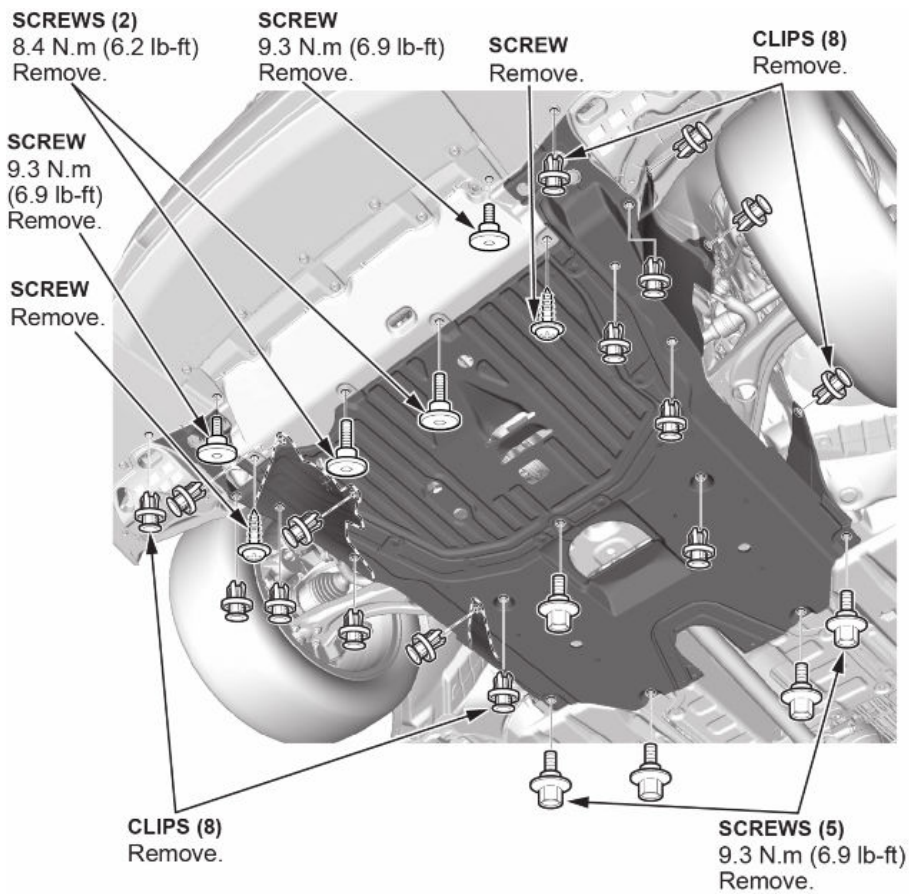
17. Remove the front wheels.



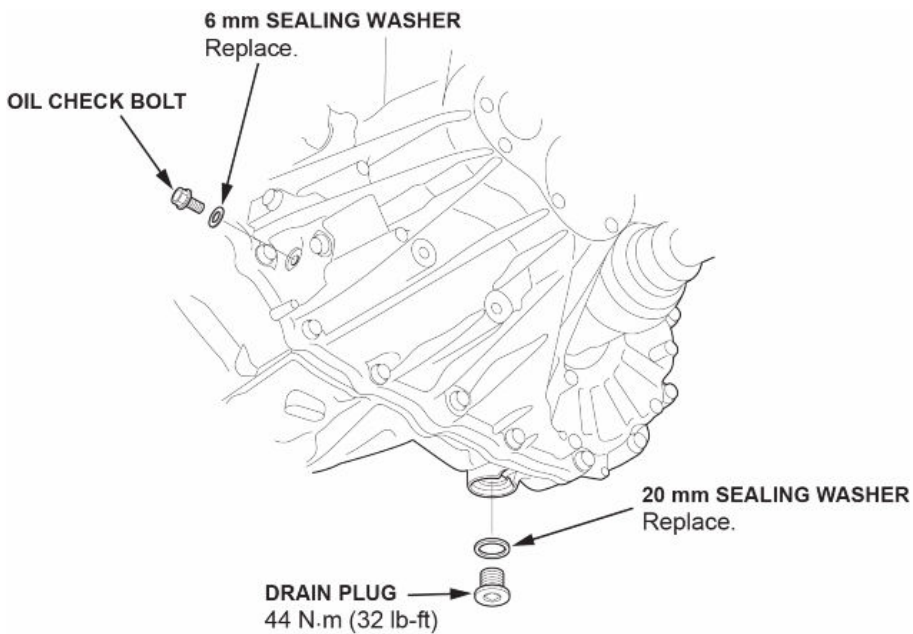
18. Remove the undercover plate.



19. Remove the engine undercover.



20. Drain the transmission fluid:



20.1. Remove the oil check bolt and the 6 mm sealing washer.

20.2. Remove the drain plug and the 20 mm sealing washer, and drain the MTF.

20.3. Install the drain plug using a new sealing washer.

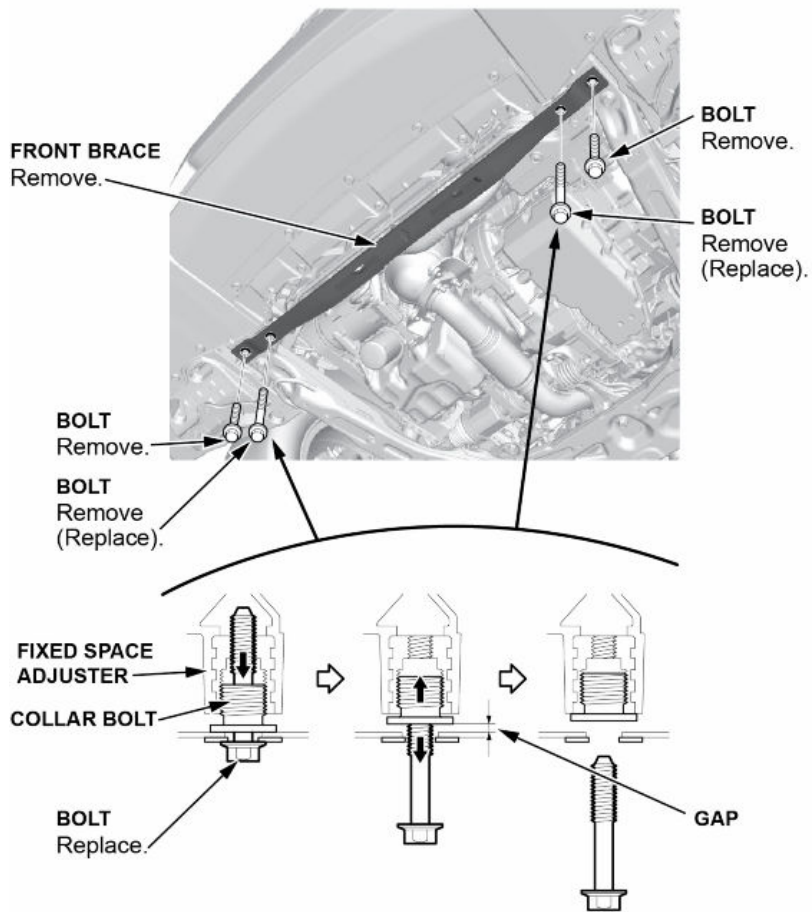


21. Remove the front brace A or B depending on trim level:

**Front Brace A**

21.1. Remove the outer bolts.

**FRONT BRACE A**

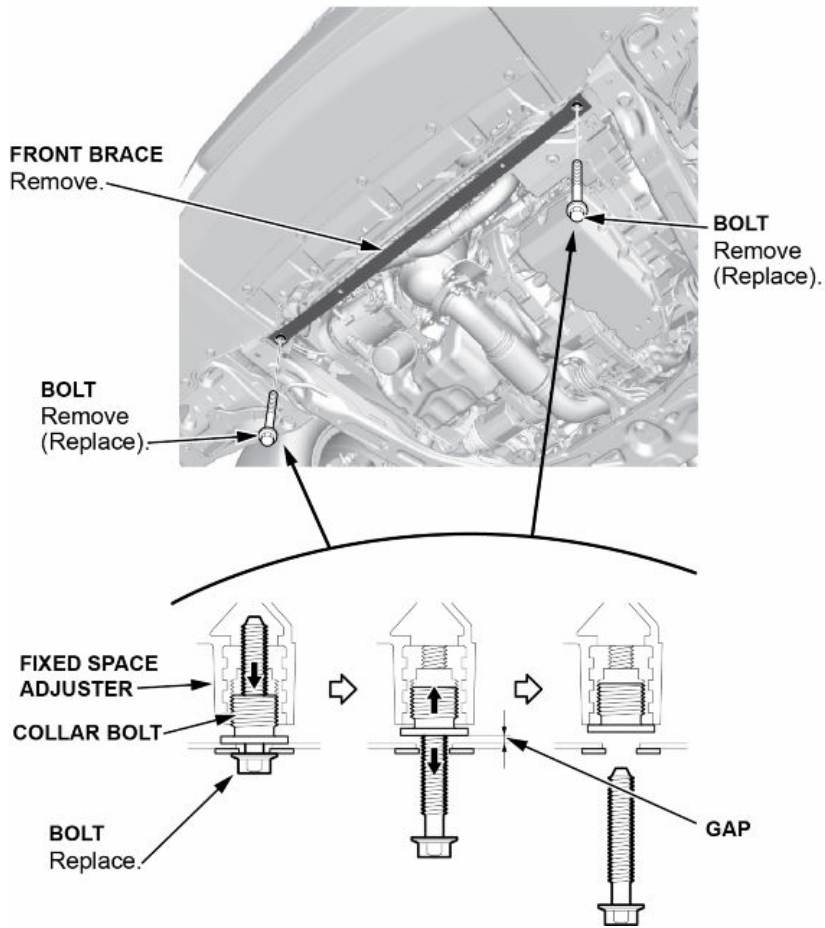


21.2. Remove the inner bolts.

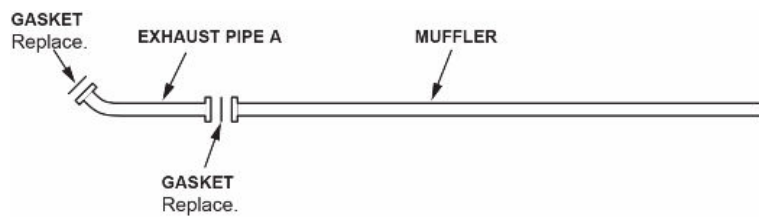
## Front Brace B

21.1. Remove the bolts.

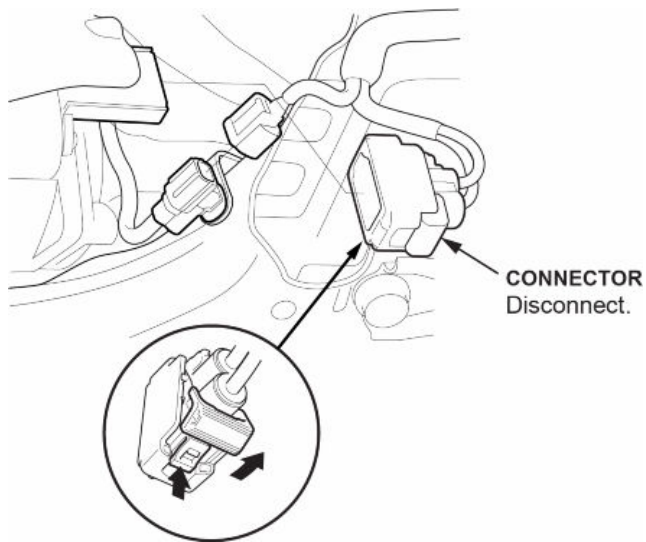
### FRONT BRACE B



22. Remove the exhaust pipe A.



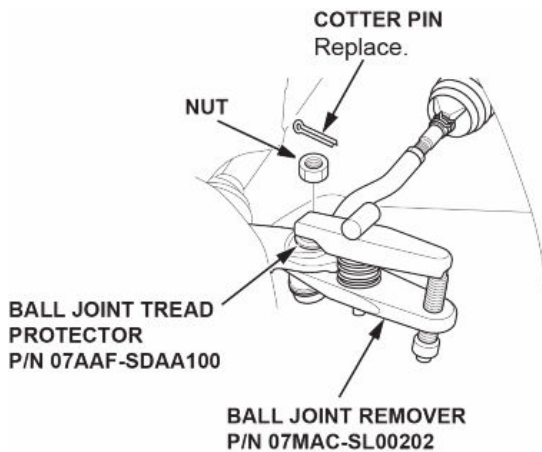
23. Disconnect the EPS sub harness connector.



24. Disconnect tie-rod end ball joint from both sides:

NOTE:

- Do not to damage the ball joint boot when installing the ball joint remover.
- Refer to Ball Joint Removal in the service information or instructions on how to use the tool 07MAC-SL00202.



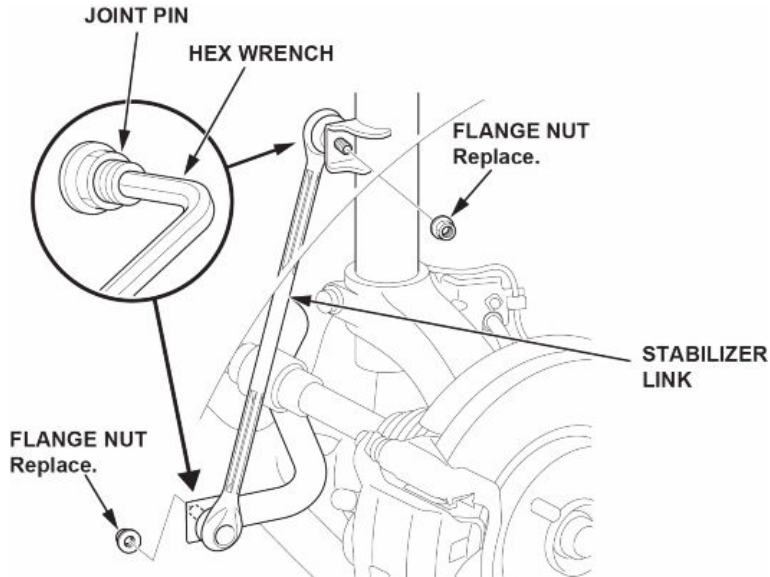
24.1. Remove the cotter pin.

24.2. Remove the nut.

24.3. Disconnect the tie-rod end ball joint from the knuckle using the ball joint tread protector and the ball joint remover.

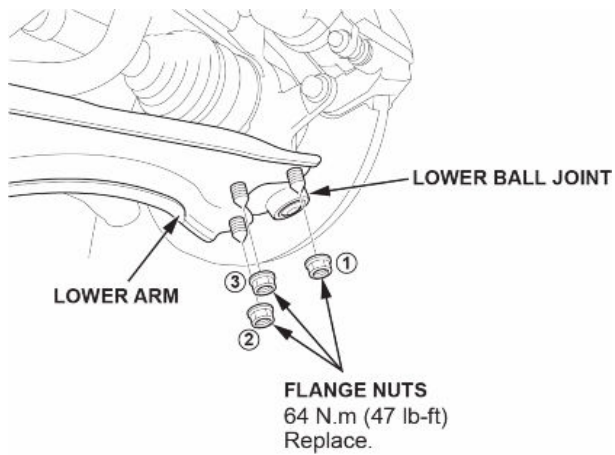
25. Disconnect the lower stabilizer link ball joint from both sides:

25.1. Remove the flange nuts while holding the respective joint pin with a hex wrench.



25.2. Remove the stabilizer link.

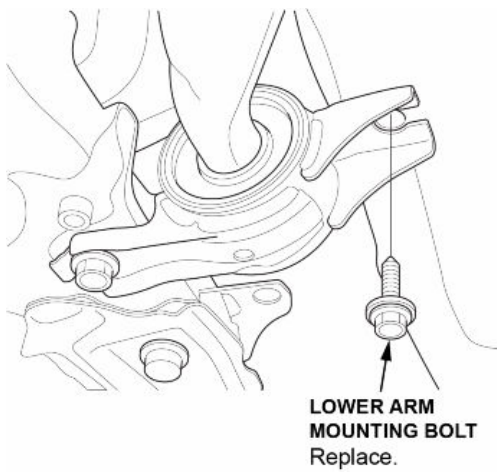
26. Disconnect the lower arm ball joint from both sides:



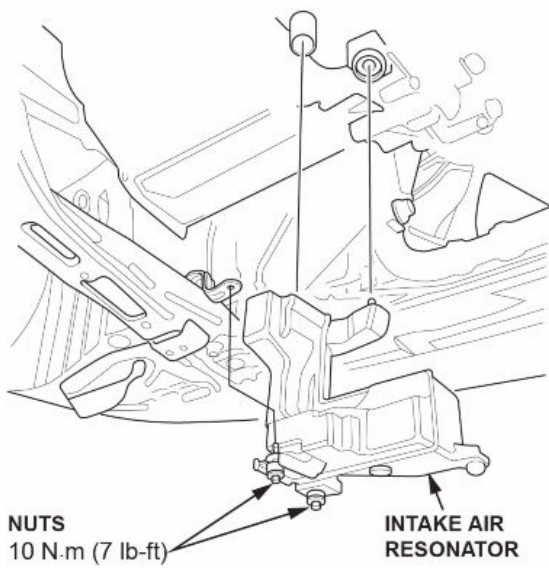
26.1. Remove the flange nuts.

26.2. Disconnect the lower ball joint from the lower arm.

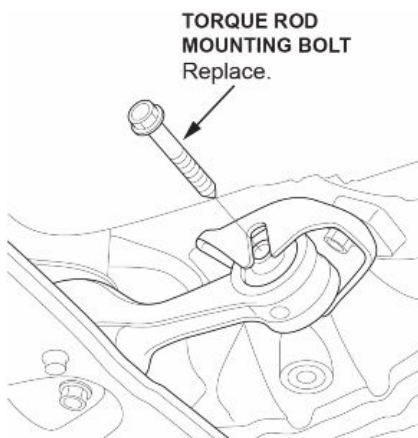
27. Remove the lower arm mounting bolts from both sides.



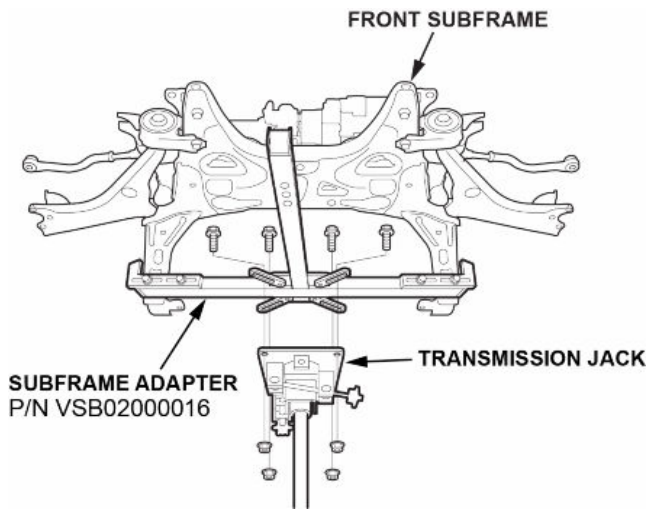
28. Remove the intake air resonator.



29. Remove the torque rod mounting bolt.



30. Remove the front sub frame:



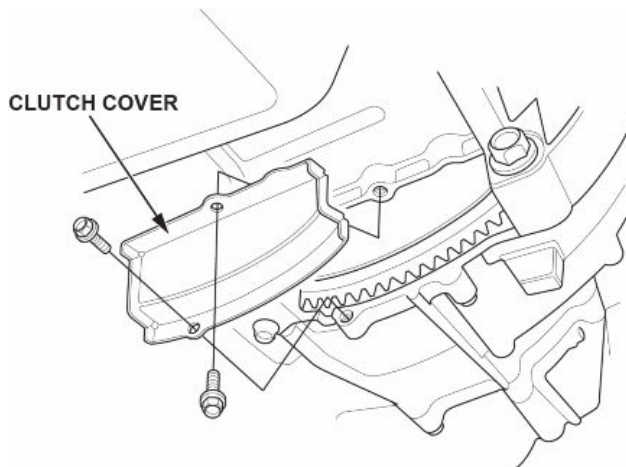
30.1. Set the subframe adapter (P/N VSB02C000016) on a transmission jack, line up the slots in the arms with the bolt holes on the corner of the jack base, then tighten the bolts.

30.2. Attach the subframe adapter to the front subframe.

30.3. Remove the front subframe.

31. Support the transmission with a transmission jack.

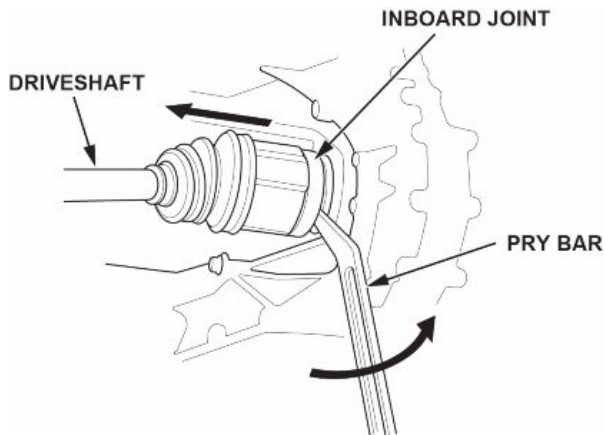
32. Remove the clutch cover.



33. Disconnect the driveshaft inboard joint from both sides:

33.1. Pry the inboard joint using a pry bar.

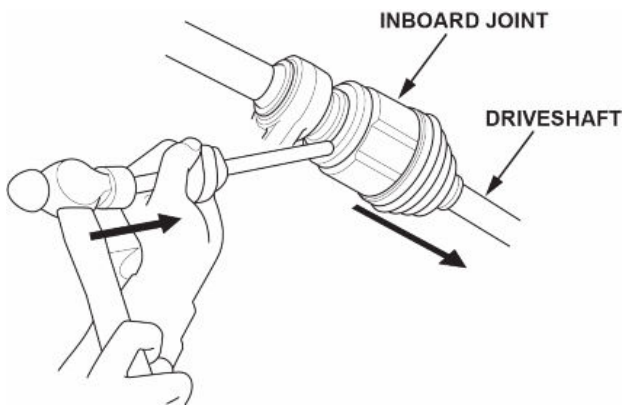
NOTE: Be careful not to damage the oil seal or the end of the inboard joint with the pry bar.



33.2. Remove the driveshaft as an assembly.

NOTE: Do not pull on the driveshaft, or the inboard joint may come apart. Pull the inboard joint straight out to avoid damaging the oil seal.

33.3. Drive the inboard joint off of the intermediate shaft using a drift punch and a hammer.

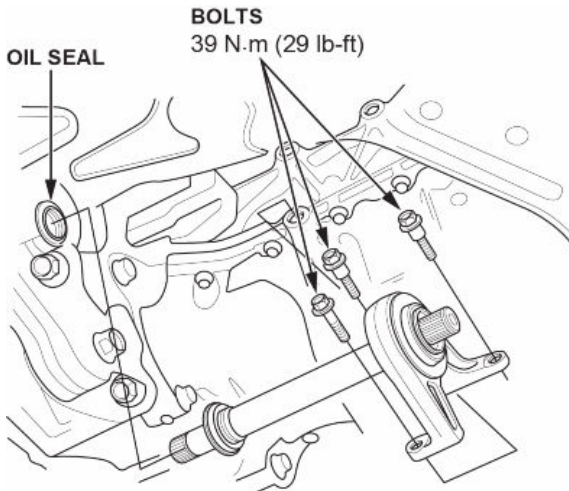


33.4. Remove the driveshaft as an assembly.

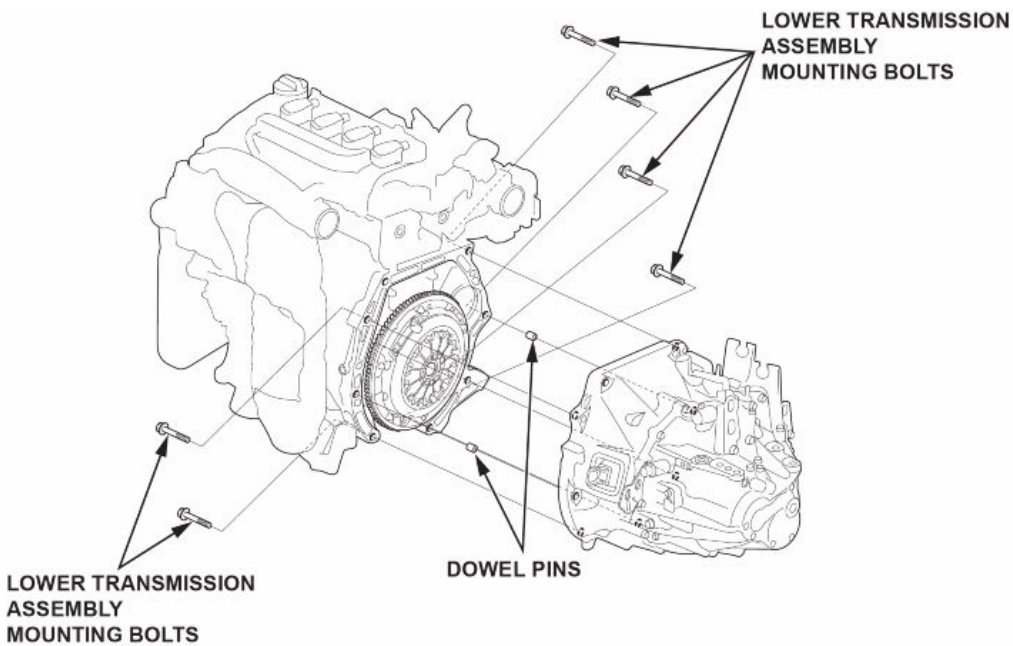
NOTE: Do not pull on the driveshaft, or the inboard joint may come apart. Pull the inboard joint straight out.

34. Remove the intermediate shaft.

NOTE: Hold the intermediate shaft horizontal until it is clear of the differential to prevent damaging the oil seal.



35. Remove the lower transmission assembly mounting bolts.



36. Remove the transmission:

36.1. Pull the transmission away from the engine until the transmission mainshaft clears the clutch pressure plate.

36.2. Slowly lower the transmission about **150 mm (5.91 in)**.

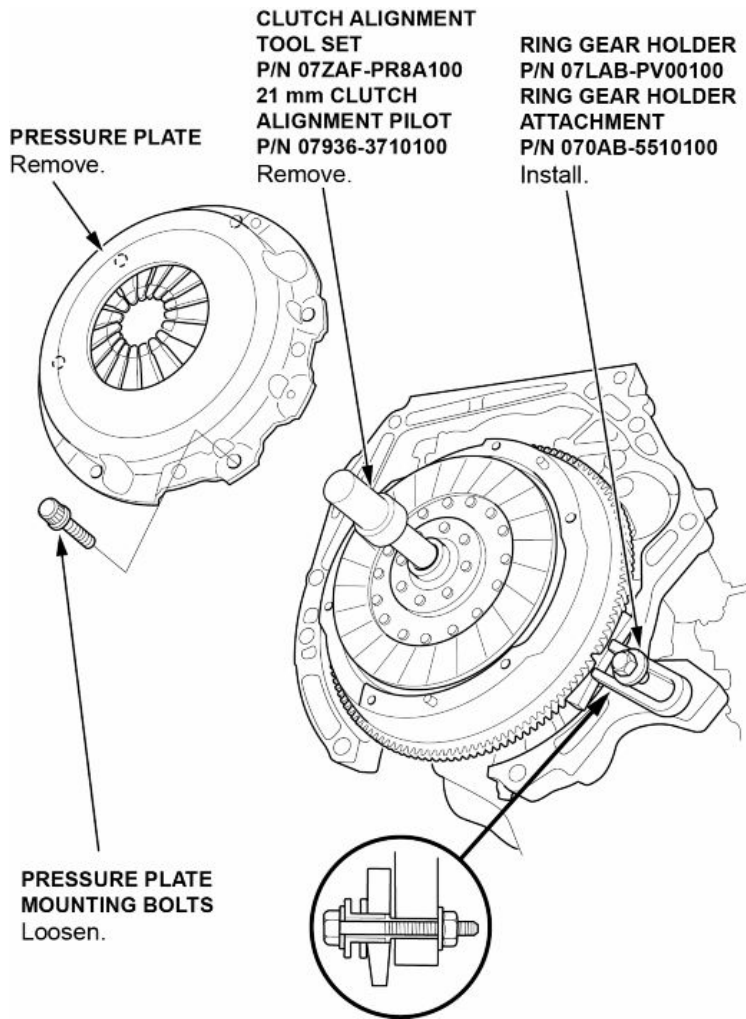
36.3. Make sure that all hoses and harness are disconnected and free from the transmission.

36.4. Lower the transmission.



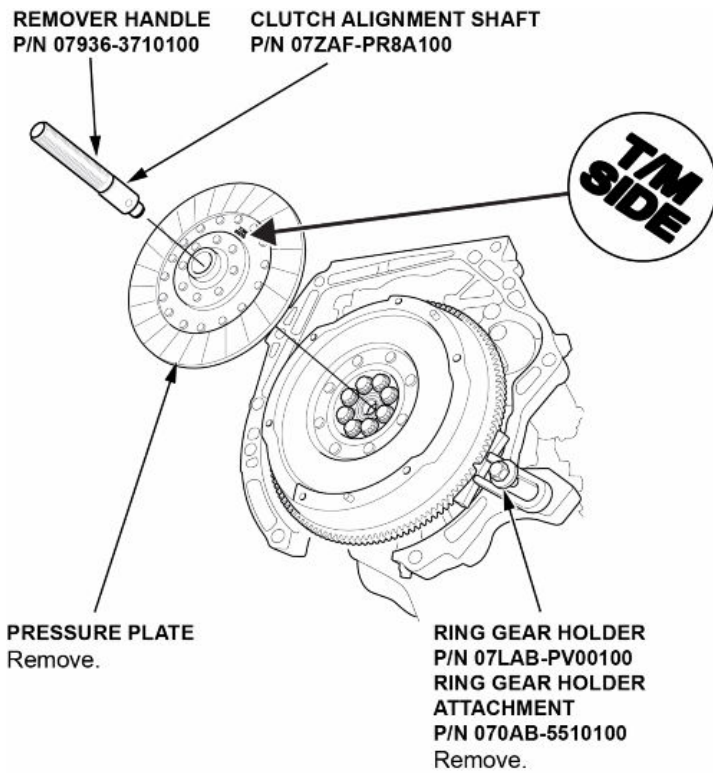
37. Remove the pressure plate:

37.1. Install the ring gear holder attachment, the ring gear holder, the clutch alignment tool set, and the 21 mm clutch alignment pilot.



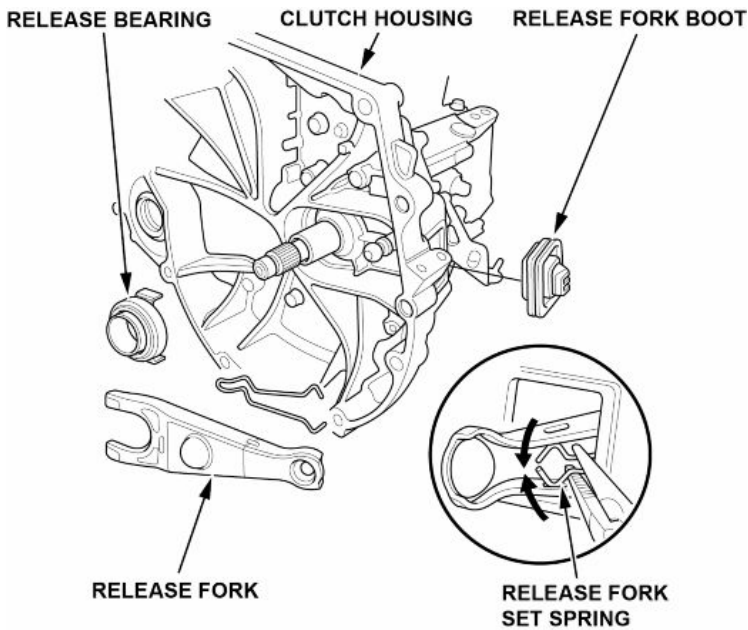
37.2. Loosen the pressure plate mounting bolts in a crisscross pattern in several steps, then remove the pressure plate.

38. Remove the clutch disc, the clutch alignment tool set and the 21 mm clutch alignment pilot.



39. Loosen the flywheel mounting bolts in a crisscross pattern in several steps. Remove the bolts, then remove the flywheel, the ring gear holder attachment, and the ring gear holder.

40. Remove the release bearing:



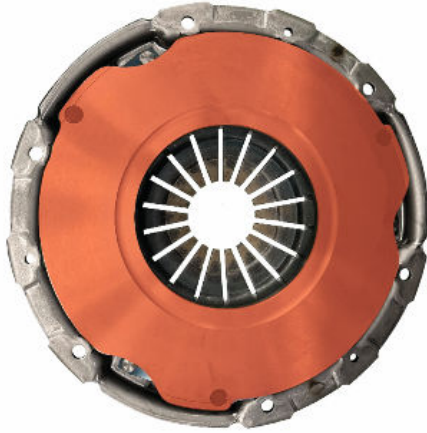
40.1. Remove the release fork boot.

40.2. Remove the release fork from the clutch housing by squeezing the release fork set spring. Remove the release bearing.

41. Clean the new replacement pressure plate and flywheel with a clean lint-free towel and solvent, wipe off all the corrosion preventative layers on the pressure plate and flywheel.

NOTE: Do not spray the flywheel with spray cleaners, doing so may cause damage to the dual mass flywheel bearing.

**PRESSURE PLATE**

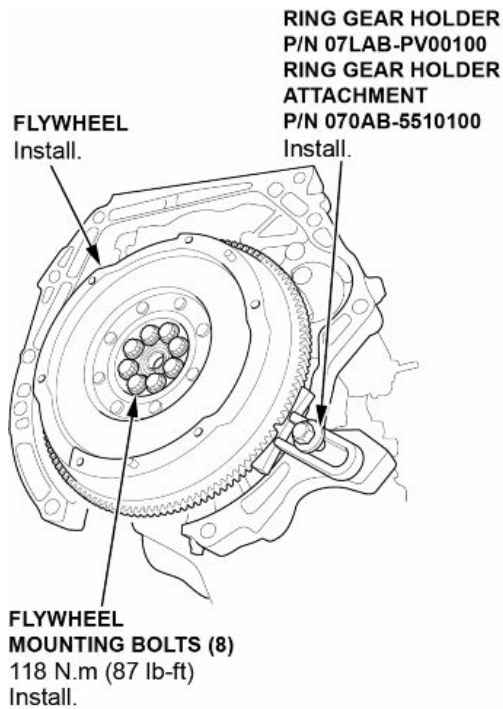


**FLYWHEEL**



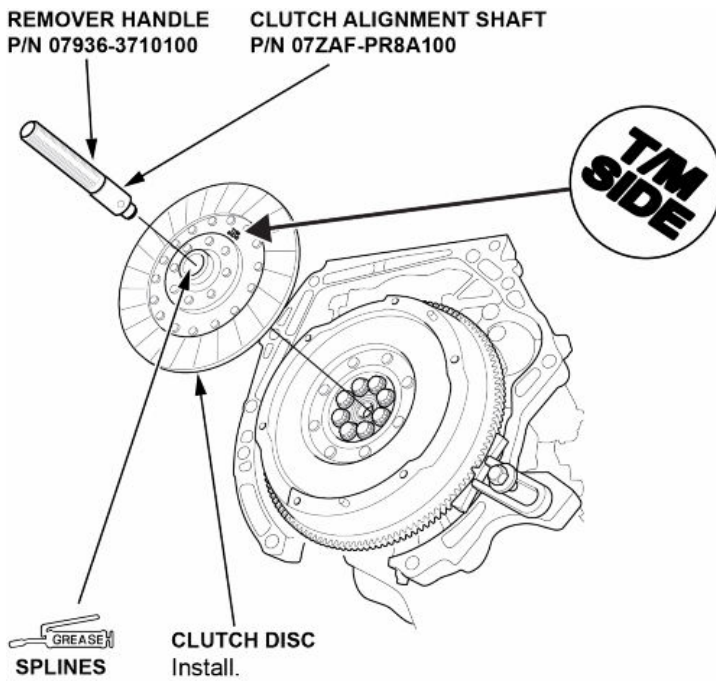
NOTE: Do not spray the flywheel with spray cleaners, doing so may cause damage to the dual mass flywheel bearing.

42. Install the new flywheel:



- 42.1. Install the flywheel on the crankshaft, and install the mounting bolts finger-tight.
- 42.2. Install the ring gear holder attachment and the ring gear holder.
- 42.3. Torque the flywheel mounting bolts in a crisscross pattern in several steps.

43. Install the new clutch disc:



43.1. Apply super high temp urea grease (P/N 08798-9002) to the splines of the clutch disc.

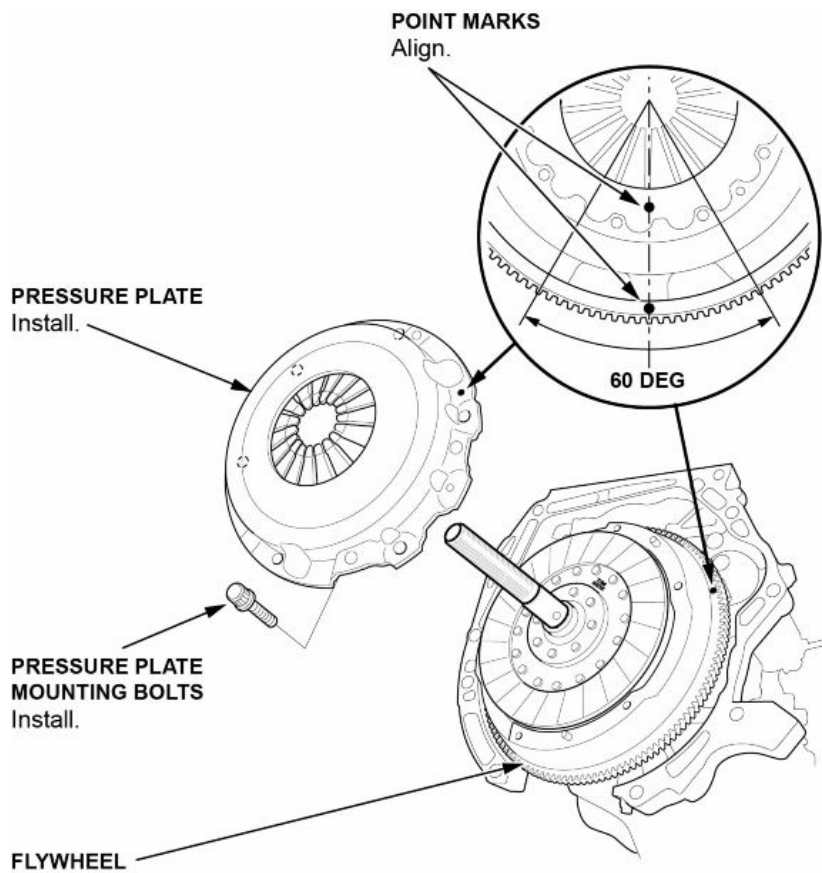
NOTE: Wipe off any excess grease.

43.2. Temporarily install the clutch disc onto the splines of the transmission mainshaft. Make sure the clutch disc slides freely on the mainshaft.

43.3. Install the clutch disc facing its surface marked with a T/M SIDE to the transmission side using the clutch alignment tool set and the **21 mm** clutch alignment pilot.

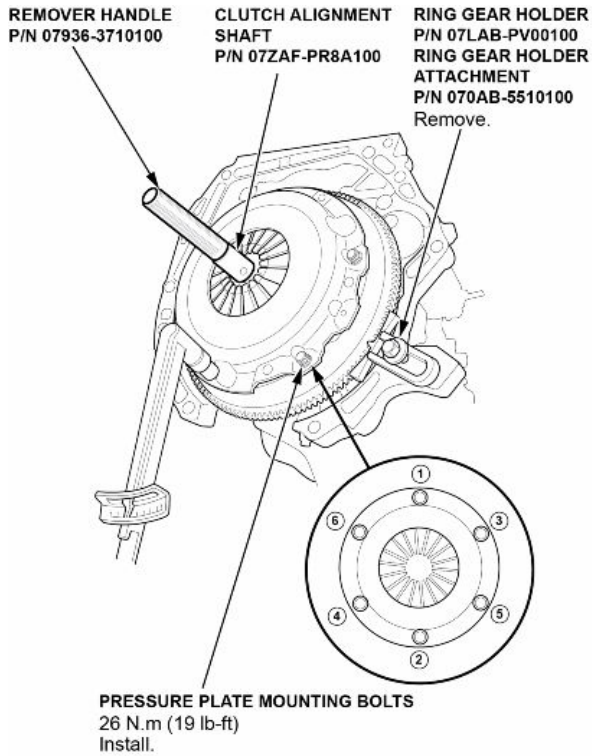
44. Install the new pressure plate:

- 44.1. Install the pressure plate and the pressure plate mounting bolts finger-tight while aligning the point marks across the pressure plate and the flywheel as shown.



44.2. Torque the pressure plate mounting bolts in a crisscross pattern. Tighten the bolts in several steps to prevent warping the diaphragm spring. Make sure that there is not clearance between the pressure plate and the flywheel.

**Specified Torque: 26 N·m (2.7 kgf·m, 19 lbf·ft)**



44.3. Remove the ring gear holder attachment, the ring gear holder, the clutch alignment tool set, and the **21 mm** clutch alignment pilot.

44.4. Make sure the diaphragm spring fingers are all the same height.

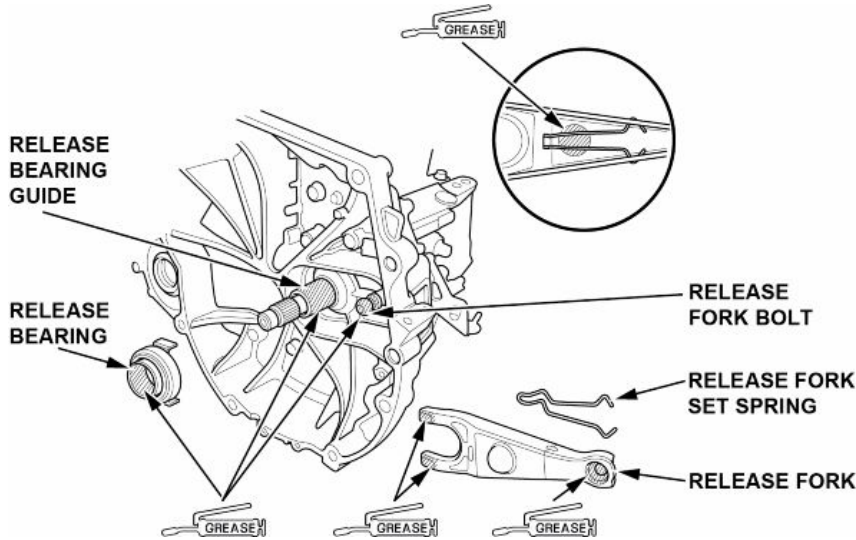
44.5. Do the release bearing inspection and replace it if necessary.

45. Install the new release bearing:

45.1. Apply super high temp urea grease (P/N 08798-9002) to the release fork, the release fork bolt, the release bearing, and the release bearing guide in the shaded areas.

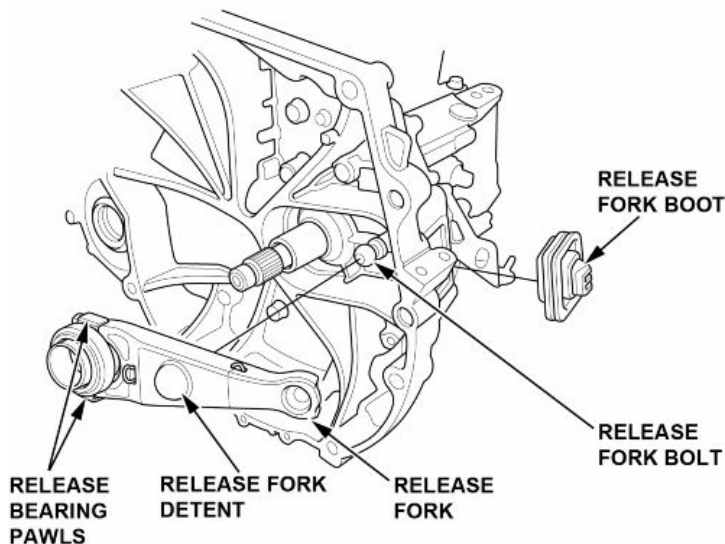
NOTE:

- The release bearing is packed with grease. Do not wash it in solvent.
- Do not use silicone grease.
- Replace the release fork bolt if necessary.



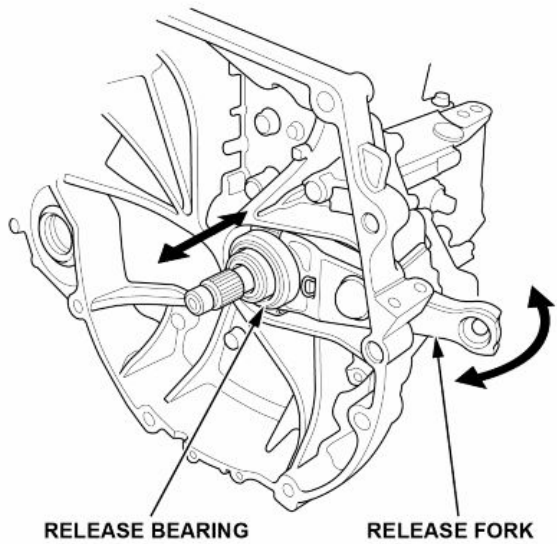
45.1. Set the release fork set spring.

45.2. With the release fork slid between the release bearing pawls, install the release bearing on the mainshaft while inserting the release fork through the hole in the clutch housing.



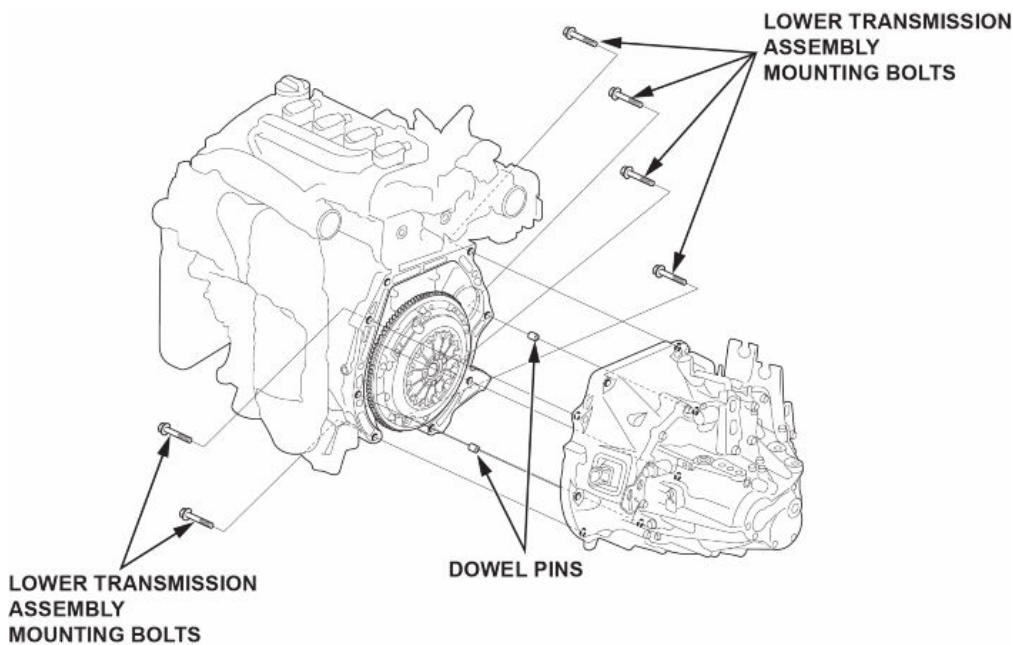
45.3. Align the detent of the release fork with the release fork bolt, then press the detent of the release fork over the release fork bolt squarely.

45.4. Install the release fork boot. Make sure the boot seals around the release fork and clutch housing.



45.5. Move the release fork right and left to make sure that it fits properly against the release bearing and that the release bearing slides smoothly. Wipe off any excess grease.

46. Install the transmission:



46.1. Make sure the two dowel pins are undamaged and installed in prescribed holes on the clutch housing as shown. Replace the dowel pins if they are damaged.

46.2. Place the transmission on the transmission jack and raise it to the engine level.

46.3. Align the transmission mainshaft and the clutch pressure plate.

46.4. Move the transmission inward until there is no clearance between the transmission housing and the engine block.

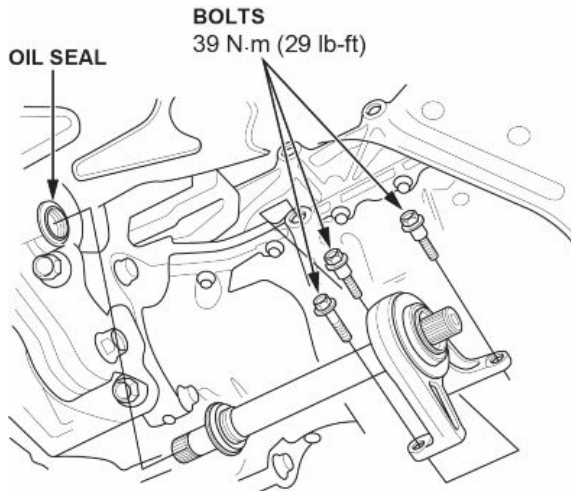
NOTE: Do not use the lower transmission bolts to move the transmission housing closer to the engine block.

46.5. Install the lower transmission assembly mounting bolts.



47. Install the intermediate shaft:

NOTE: Do not wash the rubber parts with solvent.



47.1. Clean the areas where the intermediate shaft contacts the differential thoroughly with solvent, then dry them with compressed air.

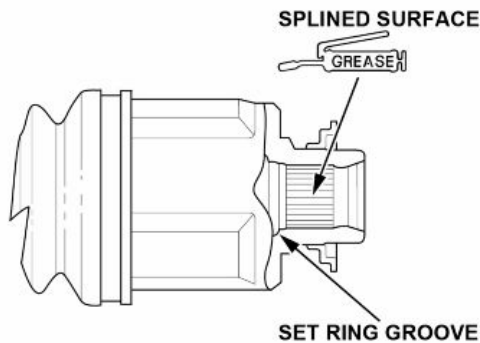
47.2. Hold the intermediate shaft horizontal when installing it into the differential to prevent damaging the oil seal.

48. Connect the inboard driveshaft joints on both sides.

**Right Driveshaft:**

48.1. Apply **0.5–1.0 g (0.018–0.035 oz)** of UM246 (P/N 41211-PY5-305) to the whole splined surface of the right driveshaft.

**RIGHT DRIVESHAFT**



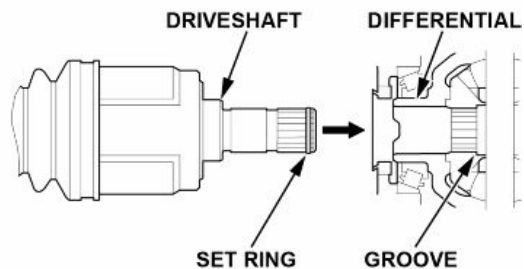
48.2. After applying grease, remove the grease from the splined grooves at intervals of **2–3** splines and from the set ring groove so that air can bleed from the intermediate shaft.

### Left Driveshaft:

48.1. Clean the areas where the driveshaft contacts the differential thoroughly with solvent, then dry them compressed air.

NOTE: Do not wash the rubber parts with solvent.

#### LEFT DRIVESHAFT



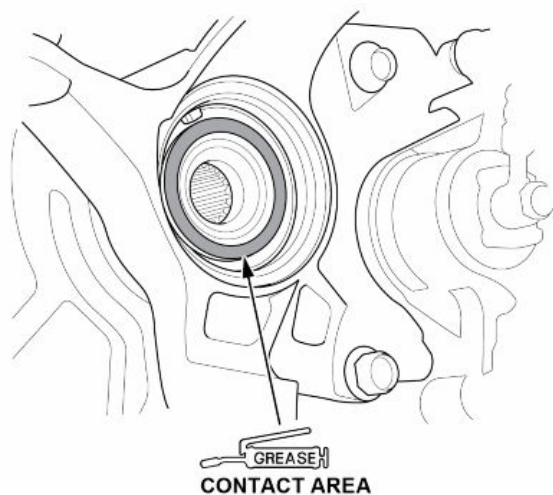
48.2. Replace the set ring.

48.3. Insert the inboard end of each driveshaft into the differential or the intermediate shaft until the set ring locks in the groove.

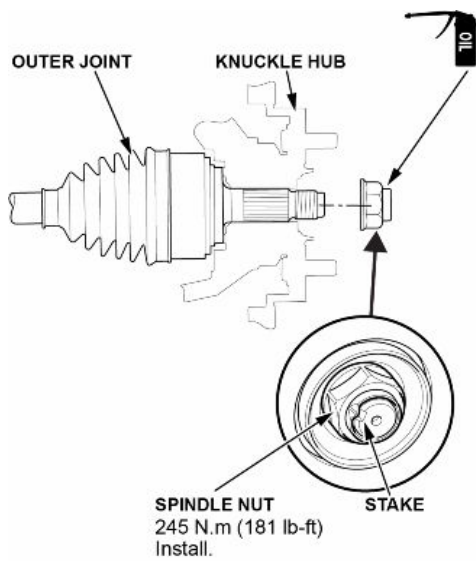
NOTE: Insert the driveshaft horizontally to prevent damaging the oil seal.

48.4. Apply about **3 g (0.11 oz)** of moly 60 paste (P/N 08734-0001) to the contact area of the outboard joint and the front wheel bearing. Repeat for the other side.

NOTE: The paste helps prevent noise and vibration.



48.5. Install the outboard joints into the respective knuckle hub.



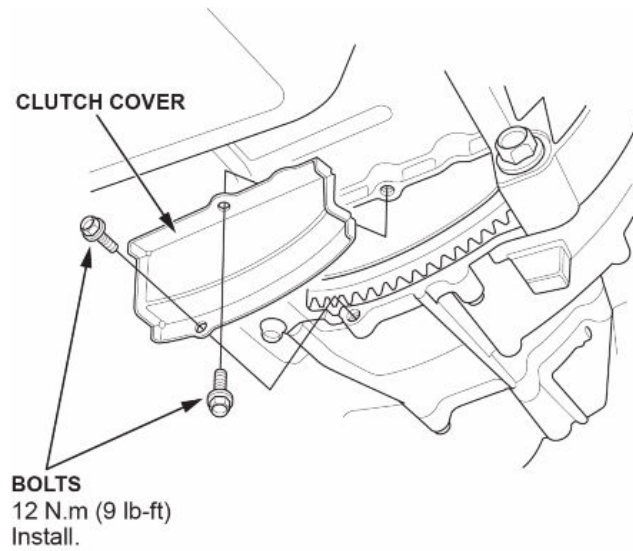
48.6. Install the spindle nut.

NOTE:

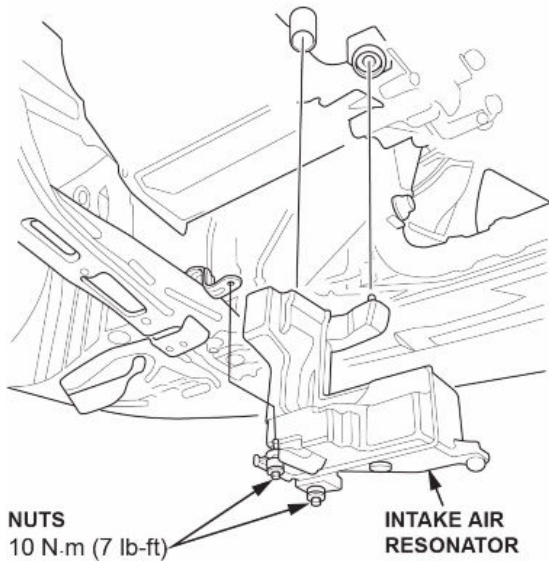
- Use a new spindle nut during reassembly.
- Before installing the spindle nut, apply a small amount of engine oil to the seating surface of the nut.
- Tighten the spindle nut to the specified torque during reassembly.

48.7. Stake the spindle nut.

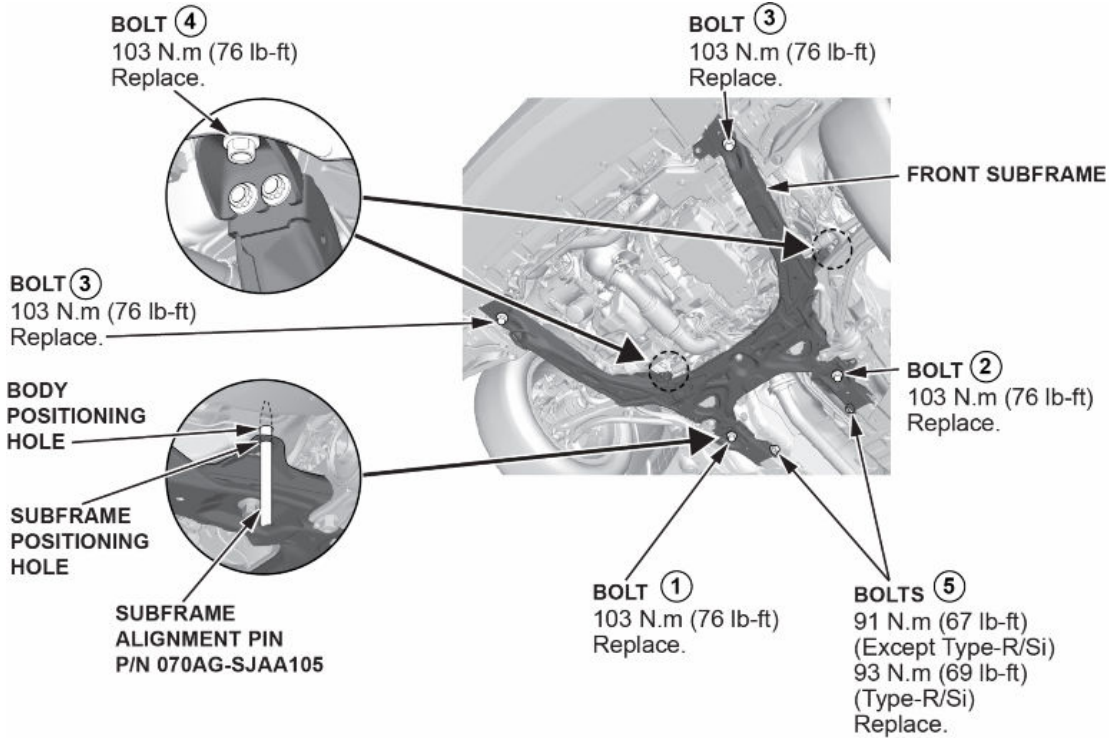
49. Install the clutch cover.



50. Install the intake air resonator.



51. Install the front subframe:

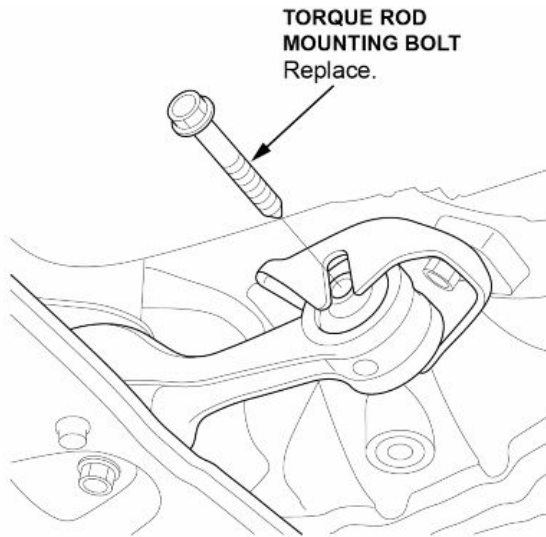


**NOTE:**

- Align the front subframe with the subframe alignment pin.
- Align the front subframe in the following sequence.

- 51.1. Lift the front subframe up to the body, and loosely install the new subframe mounting bolts and the new front subframe rear stay mounting bolts.
- 51.2. Insert the subframe alignment pin through the positioning hole on the right rear subframe, and into the positioning hole on the body, then loosely tighten the subframe right rear mounting bolt.
- 51.3. Insert the subframe alignment pin through the positioning hole on the left rear subframe, and into the positioning hole on the body, then loosely tighten the subframe left rear mounting bolt.

- 51.4. Tighten the subframe mounting bolts to the specified torque in the numbered sequence as shown. Use the subframe alignment pin when tightening the rear side subframe mounting bolts.
  - 51.5. Check all of the subframe mounting bolts, and retighten if necessary.
  - 51.6. Tighten the front subframe rear stay mounting bolts to the specified torque.
52. Loosely install the torque rod mounting bolt.



53. Install the front brace A or B depending on trim level:

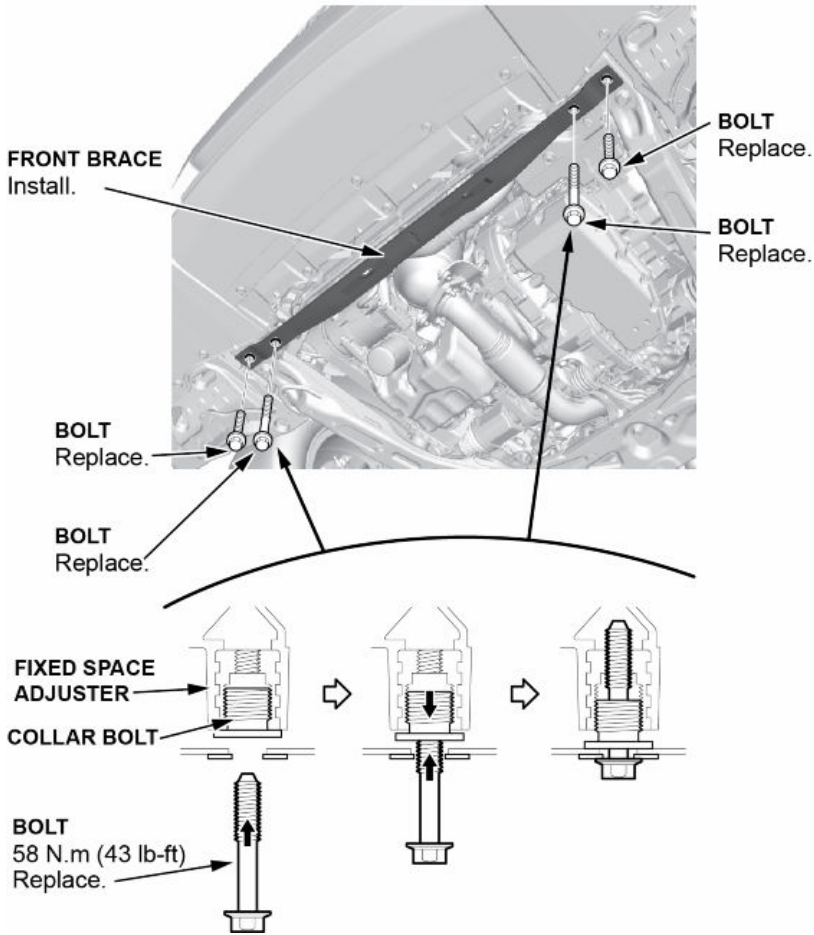
**NOTE:**

- Before installing the front brace, be sure the collar bolt can be screwed/unscrewed lightly by hand, and then screw them into the space adjuster fully by hand. Do not tighten them with any tools.
- Before installing the front brace, screw the special bolt into the collar bolts, and check that they turn together. If they do not turn together, replace the bolts.
- After setting the front brace in the body, install all of the mounting bolts, but do not tighten them. First tighten the bolt. Next, tighten the bolt. Then tighten the bolts. As you tighten the bolts, the collar bolts screw out of the space adjuster until they contact the body. Continue tightening the bolts to the specified torque.

**Front Brace A**

53.1. Install the inner bolts.

**FRONT BRACE A**

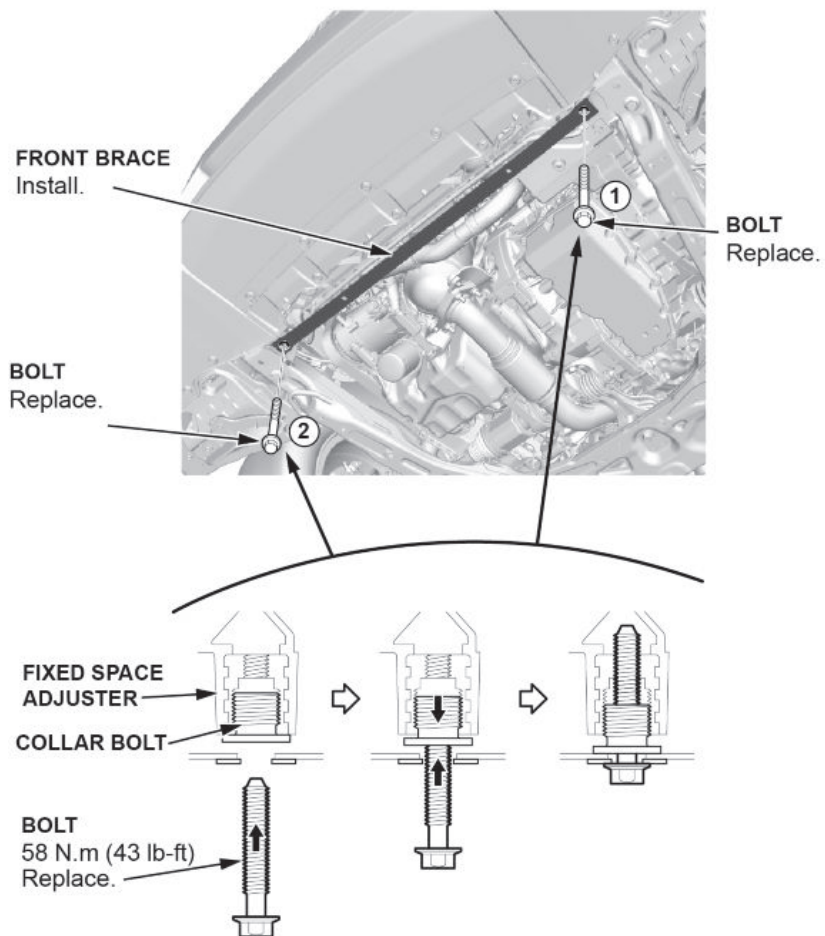


53.2. Install the outer bolts.

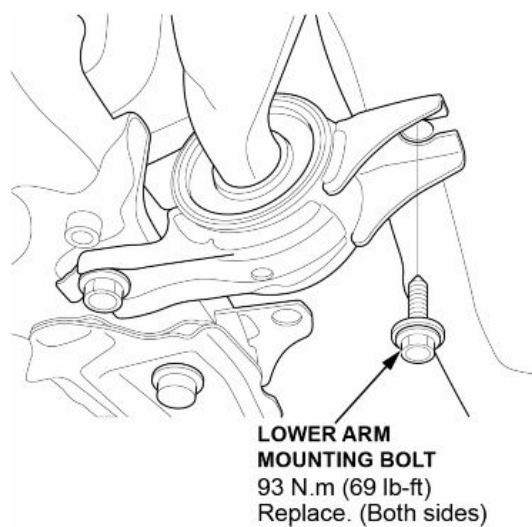
## Front Brace B

53.1. Install the bolts.

### FRONT BRACE B



54. Install the lower arm bolts on both sides.

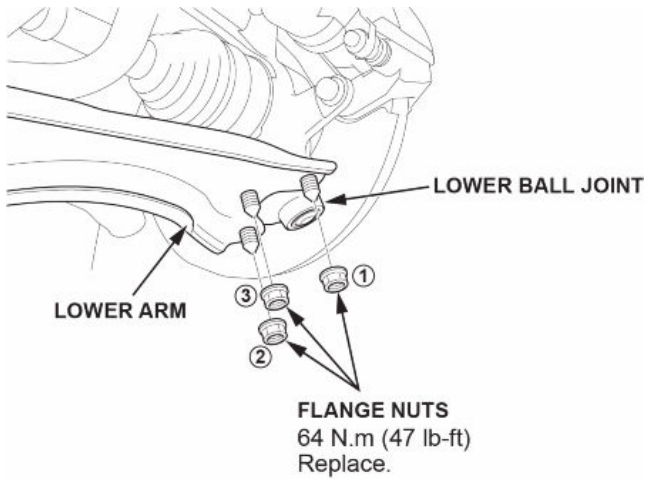


55. Connect the lower arm ball joints on both sides.

NOTE:

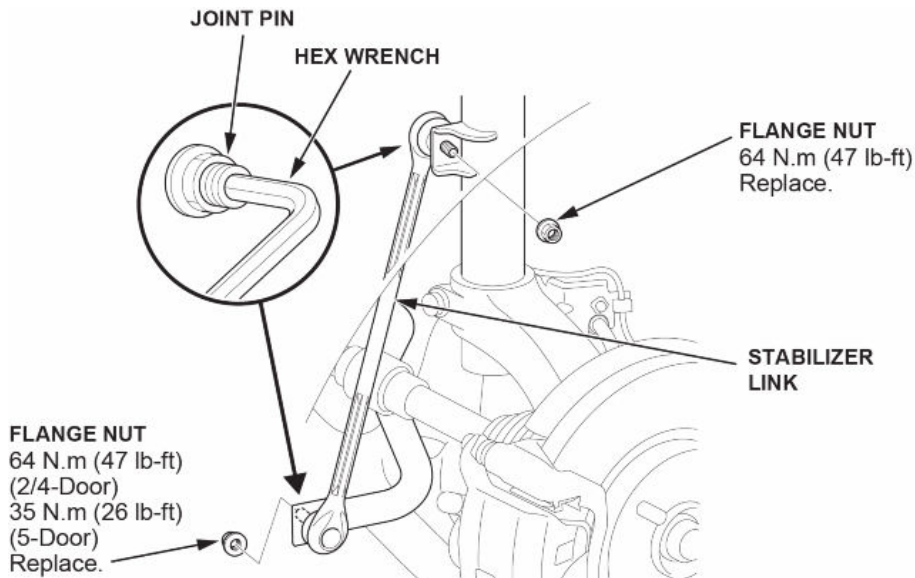
- Use the new flange nuts.
- Tighten the flange nuts in the sequence shown.

55.1. Insert the lower ball joint into the lower arm. Install the flange nuts.



56. Connect the lower stabilizer link ball joints on both sides:

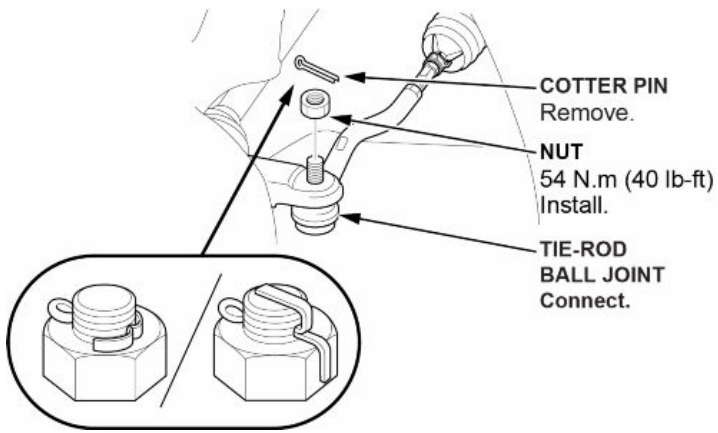
56.1. Install the stabilizer link.



56.2. Install the new flange nuts, then tighten them to the specified torque while holding the respective joint pin with a hex wrench.



57. Connect the lower stabilizer link ball joints on both sides:



57.1. Wipe off any grease contamination from the ball joints tapered section and threads.

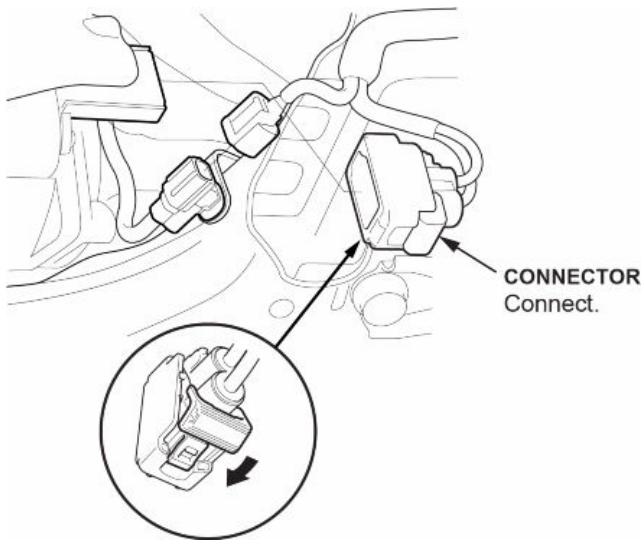
57.2. Connect the tie-rod ball joints to the knuckle.

57.3. Install the nuts and tighten them to the specified torque.

57.4. Install new cotter pins.

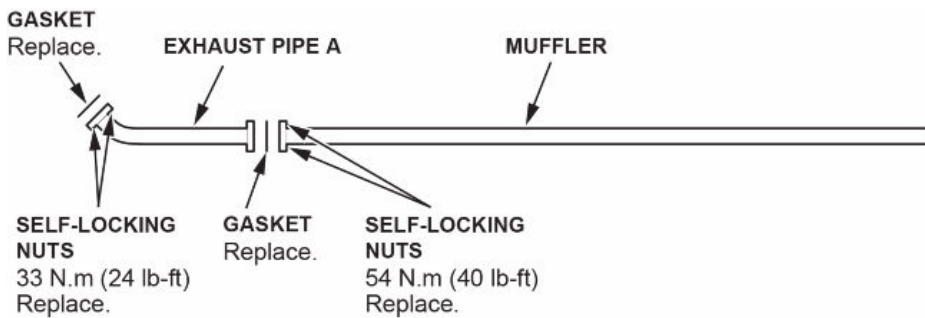
NOTE: Bend the cotter pin as shown.

58. Connect the EPS subharness.

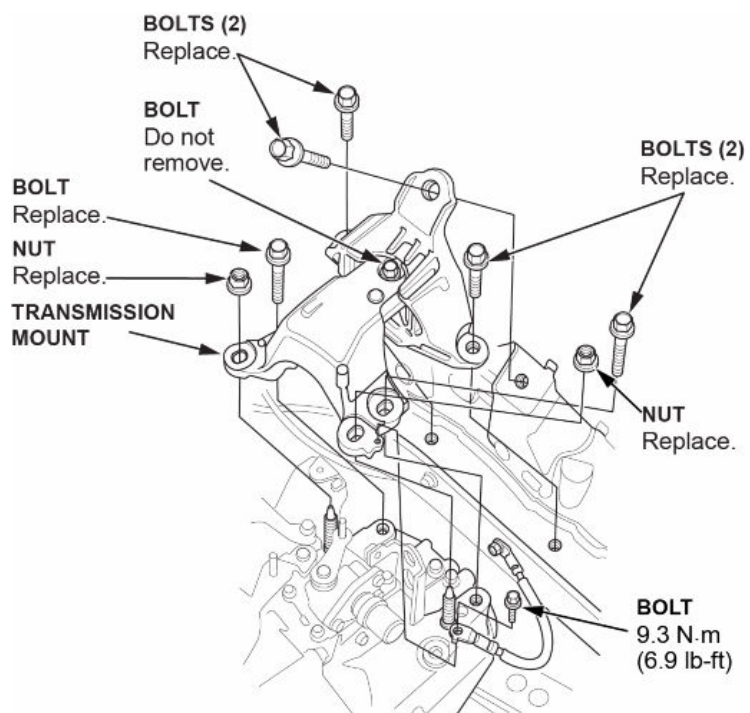


59. Install exhaust pipe A.

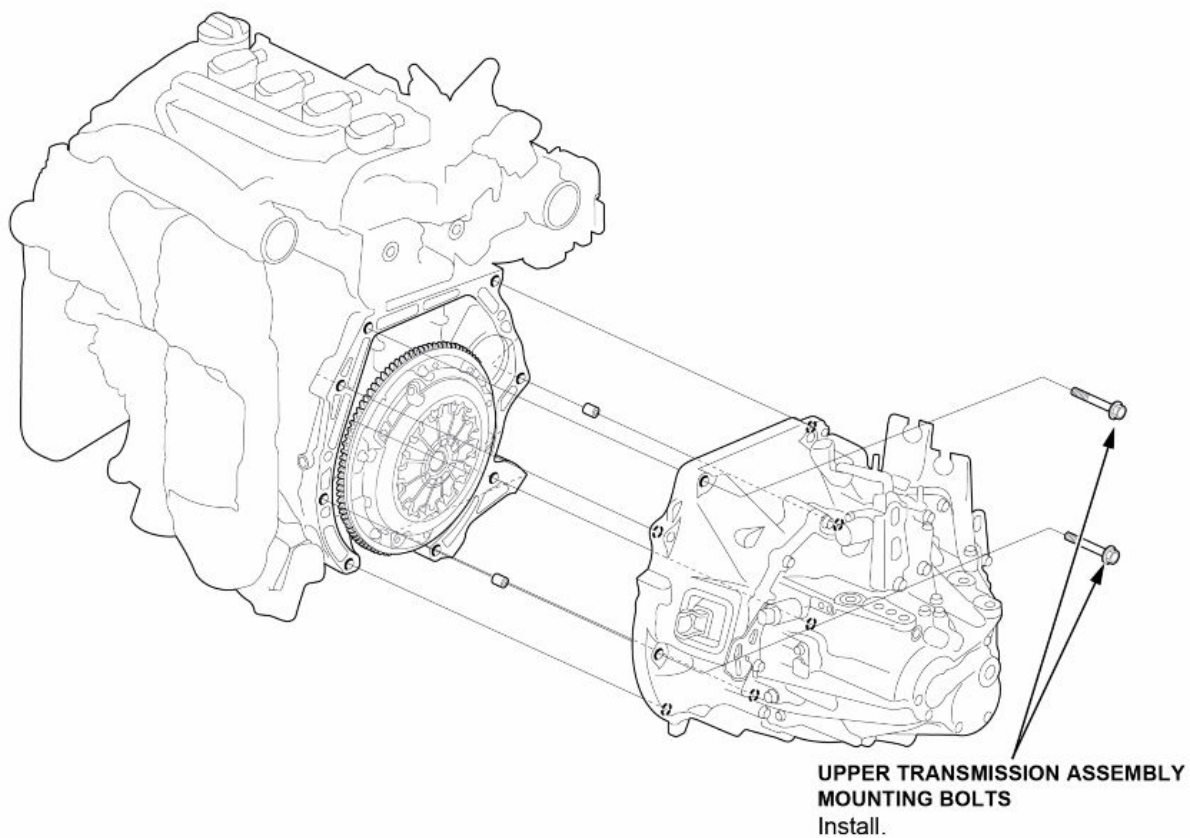
NOTE: Use new gaskets and new self-locking nuts when reassembling.



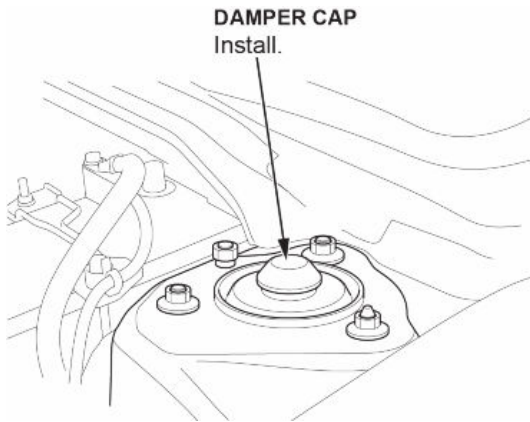
60. Loosely install the transmission mount and install the ground cable.



61. Install the upper transmission assembly mounting bolts.



- 62. Remove the engine support hanger:
  - 62.1. Remove the engine support hanger.
  - 62.2. Remove the universal lifting eyelet.
  - 62.3. Install the front damper caps.



63. Engine and transmission mount tightening procedures:

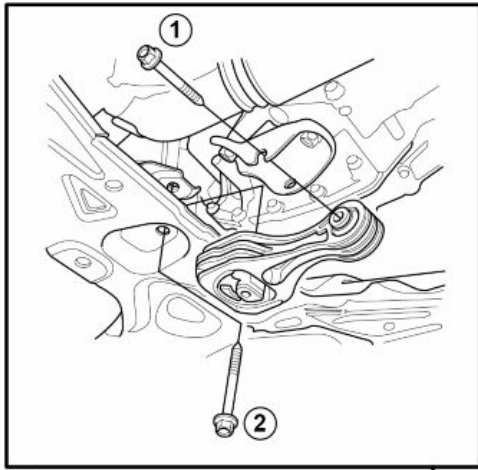
NOTE: When installing the side engine mount, tighten the ①-① bolts at first and temporarily tighten the ①-③ bolt while attaching the side engine mount bracket to the side engine mount, then tighten the remaining bolts and nuts according to the sequence shown in the following table.

**Tightening Sequence**

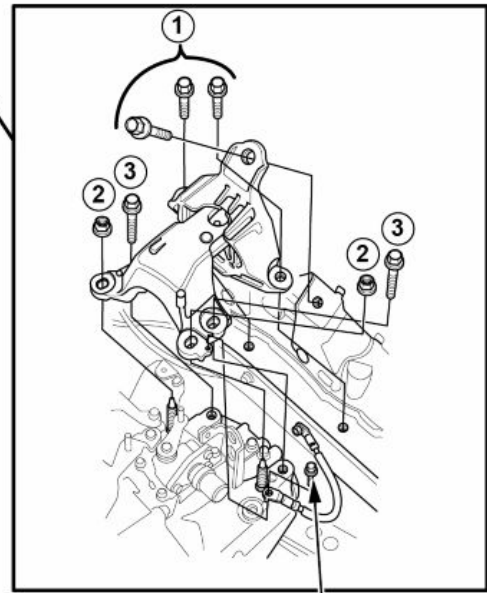
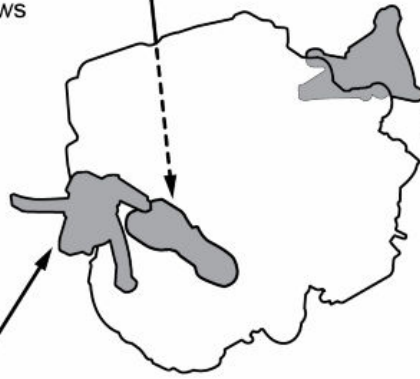
Mount Removed	Mount Tightening Sequence
Side Engine Mount	①, ②, and ③
Transmission Mount	② and ③
Torque Rod	③

**Tightening Torque**

Mount No.	Mount Name	Mount Bolt/Nut Tightening Sequence				
		①	②	③	④	⑤
①	<b>Side Engine Mount</b>	49 N·m (5.0 kgf·m, 36 lbf·ft) Replace.	54 N·m (5.5 kgf·m, 40 lbf·ft) Replace.	54 N·m (5.5 kgf·m, 40 lbf·ft) Replace.	93 N·m (9.5 kgf·m, 69 lbf·ft) Replace.	93 N·m (9.5 kgf·m, 69 lbf·ft) Replace.
②	<b>Transmission Mount</b> (L15B7 engine)	74 N·m (7.5 kgf·m, 55 lbf·ft) Replace.	78 N·m (8.0 kgf·m, 58 lbf·ft) Replace.	78 N·m (8.0 kgf·m, 58 lbf·ft) Replace.		
	<b>Transmission Mount</b> (L15BA engine/L15BY engine)	74 N·m (7.5 kgf·m, 55 lbf·ft) Replace.	54 N·m (5.5 kgf·m, 40 lbf·ft) Replace.	54 N·m (5.5 kgf·m, 40 lbf·ft) Replace.		
③	<b>Torque Rod</b>	93 N·m (9.5 kgf·m, 69 lbf·ft) Replace.	93 N·m (9.5 kgf·m, 69 lbf·ft) Replace.			

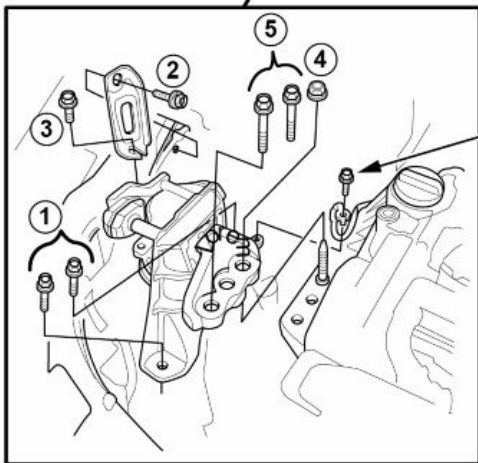


**③ TORQUE ROD**  
 (This illustration shows the CVT model.)



**② TRANSMISSION MOUNT (M/T)**

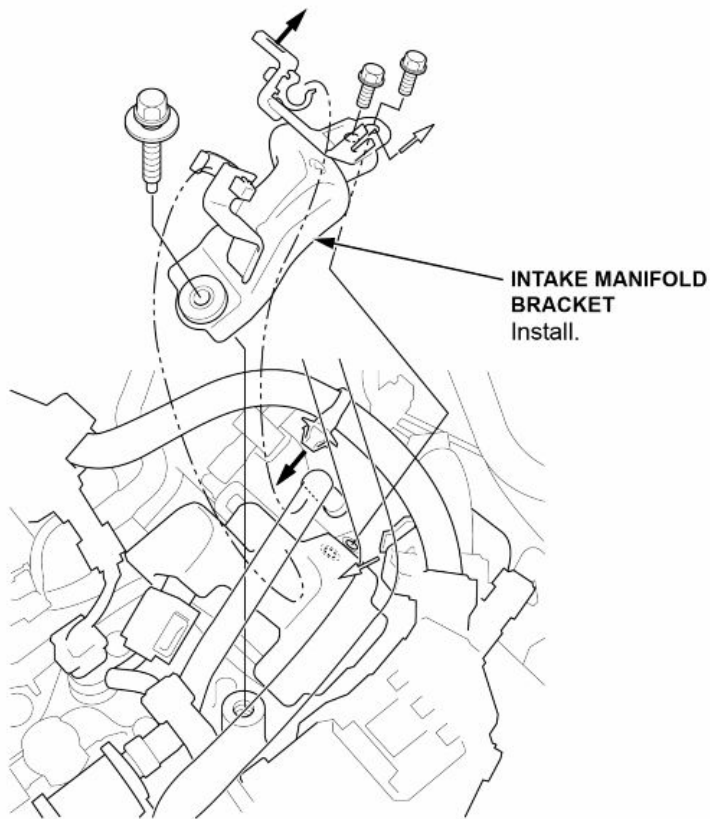
**BOLT**  
 9.3 N.m (6.9 lb-ft)  
 Install.



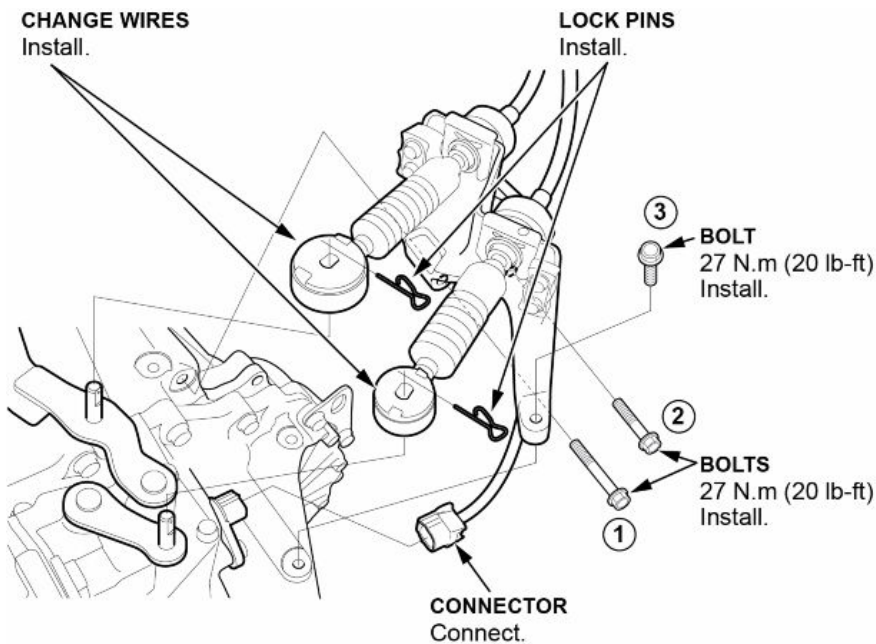
**① SIDE ENGINE MOUNT**  
 (This illustration shows the model with the dynamic damper and the bracket.)

**BOLT**  
 9.3 N.m (6.9 lb-ft)  
 Install.

64. Install the intake manifold bracket.



65. Install the change wire bracket:



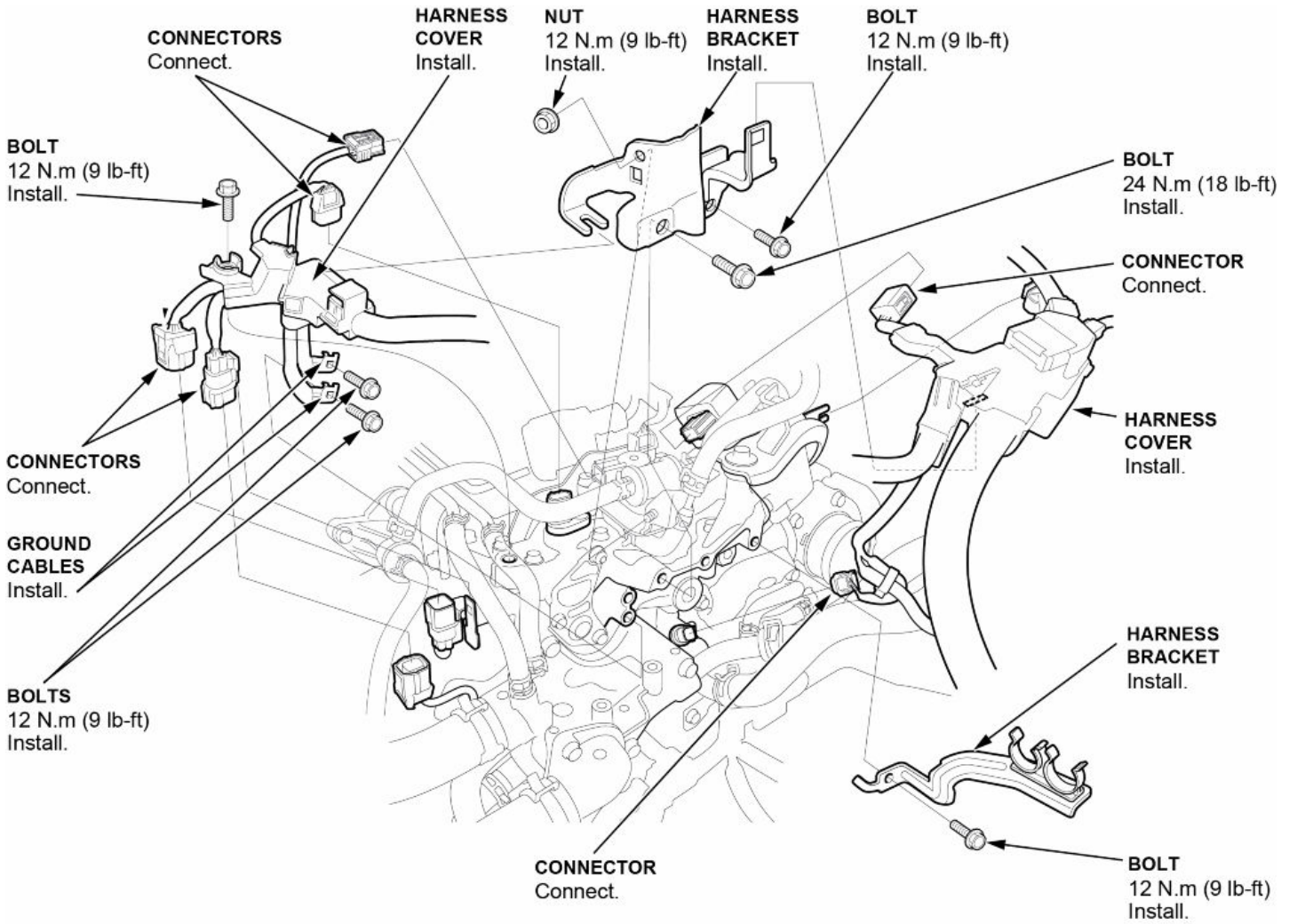
65.1. Install the change wire bracket with the change wires.

NOTE:

- Do not wipe off the grease of the change wire ends.
- Tighten the bolts in the numbered sequence shown to the specified torque.

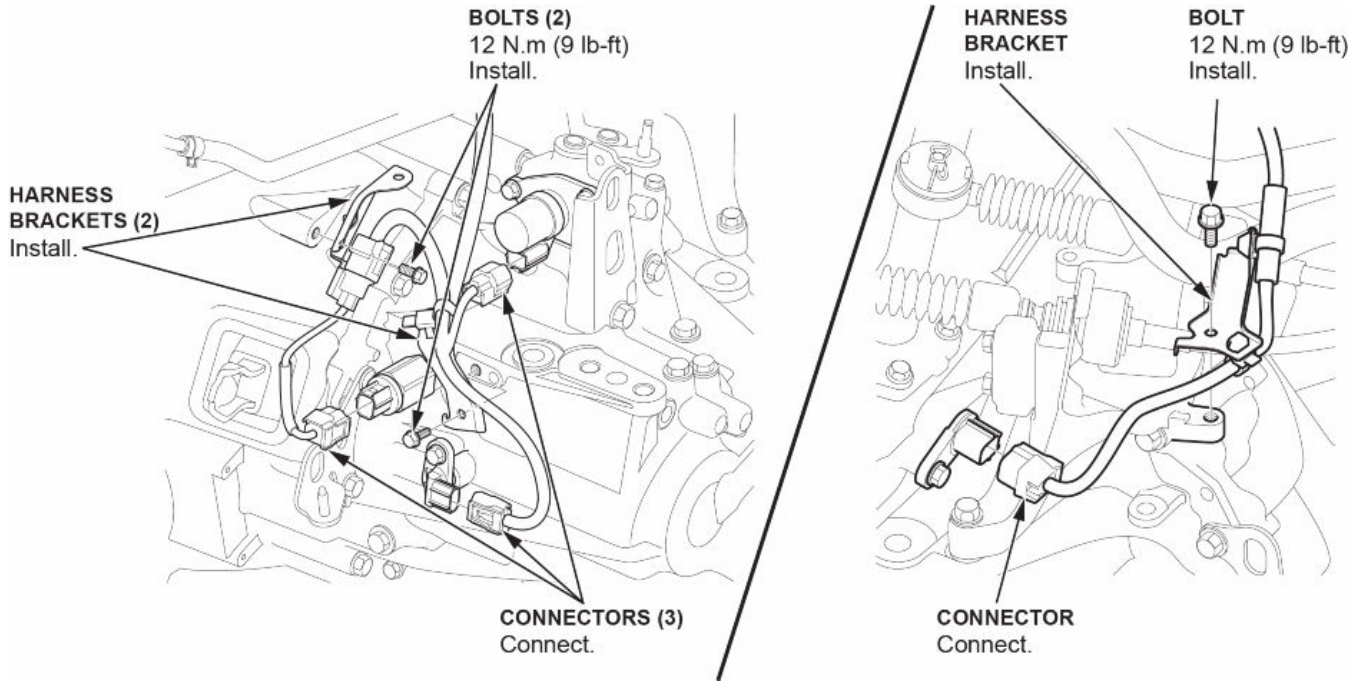
- 65.2. Install the lock pins.
- 65.3. Connect the connector.

66. Install the engine wire harness (engine side) on both sides:

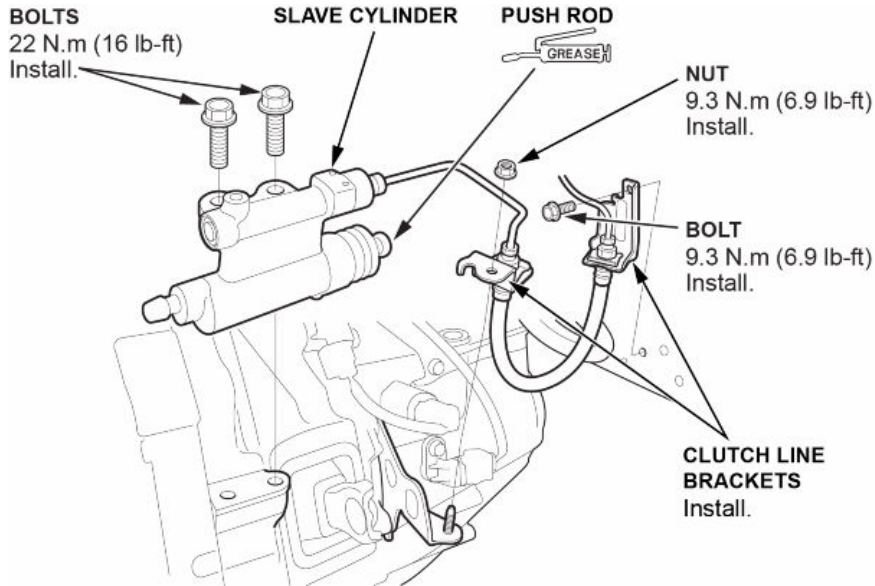


- 66.1. Install the harness brackets and the harness covers.
- 66.2. Install the ground cables.
- 66.3. Connect the connectors, and make sure they are fully seated.

67. Install the engine wire harness (transmission side), bracket and connect the connector.



68. Install the slave cylinder:



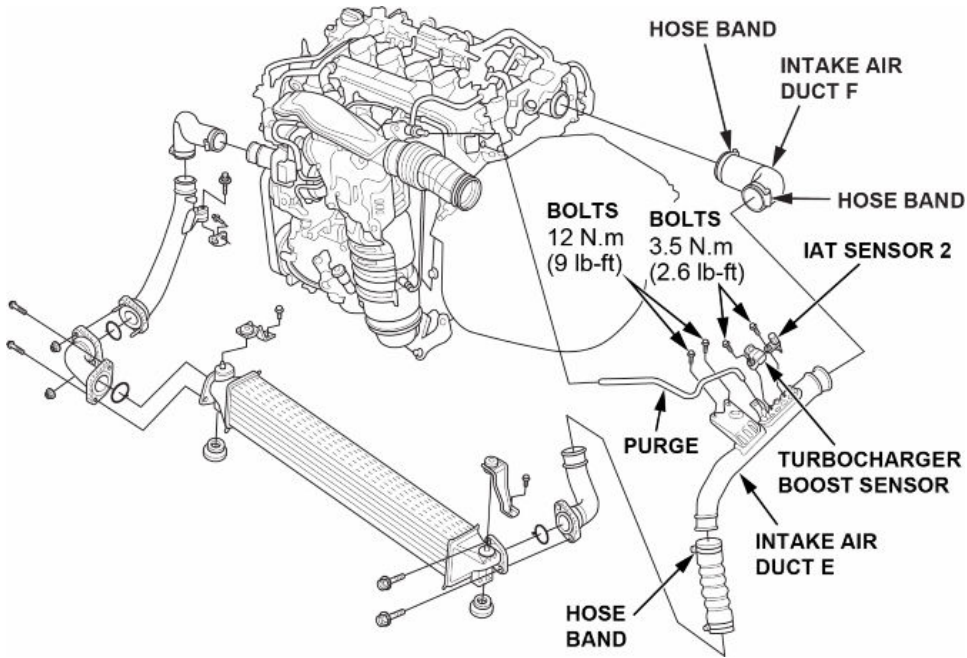
68.1. Install the clutch line brackets.

NOTE: Be careful not to bend the clutch line.

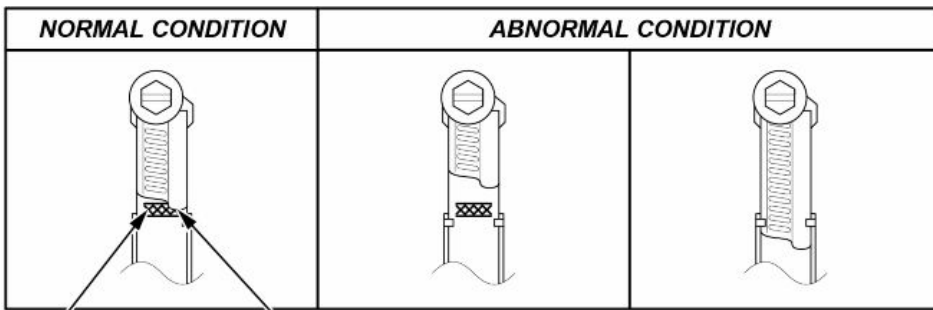
68.2. Apply a light coat of super high temp urea grease (P/N 08798-9002) to the push rod of the slave cylinder.

68.3. Install the slave cylinder.

69. Install the intake air duct E & F.



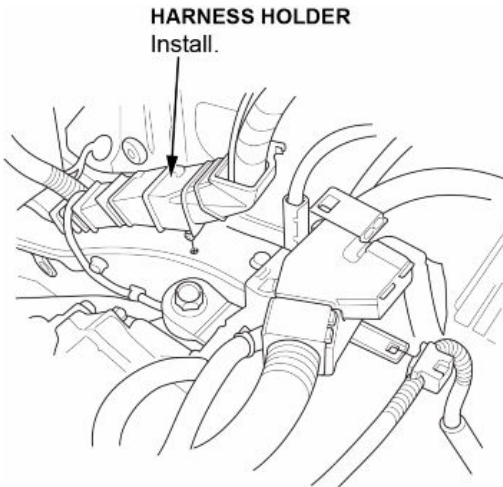
NOTE: Make sure the end of hose band is aligned with the mark on the hose band after the parts are installed.



MARK ON HOSE BAND      END OF HOSE BAND

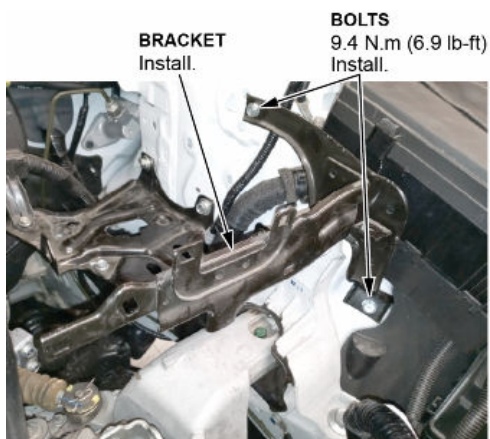
70. Install the 12 Volt battery:

70.1. Install the harness holder.



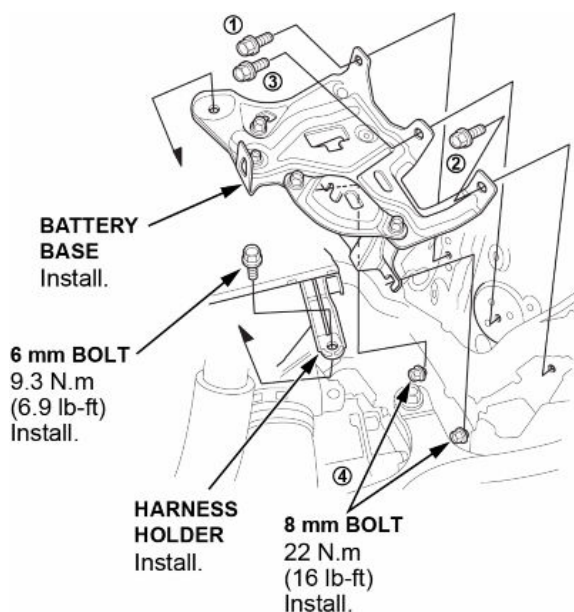


70.2. Install the PCM Harness Bracket.

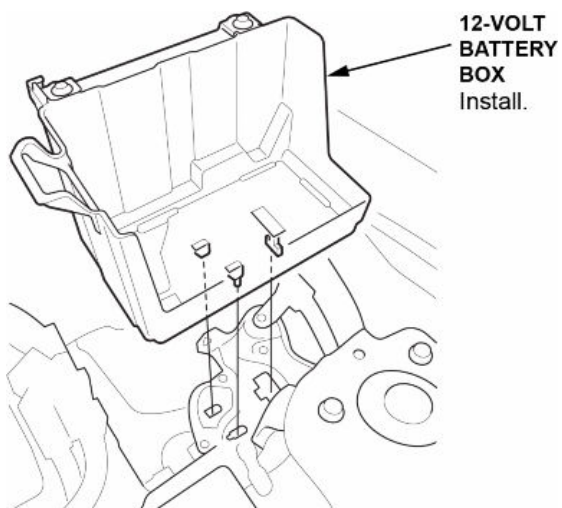


70.3. Install the battery base.

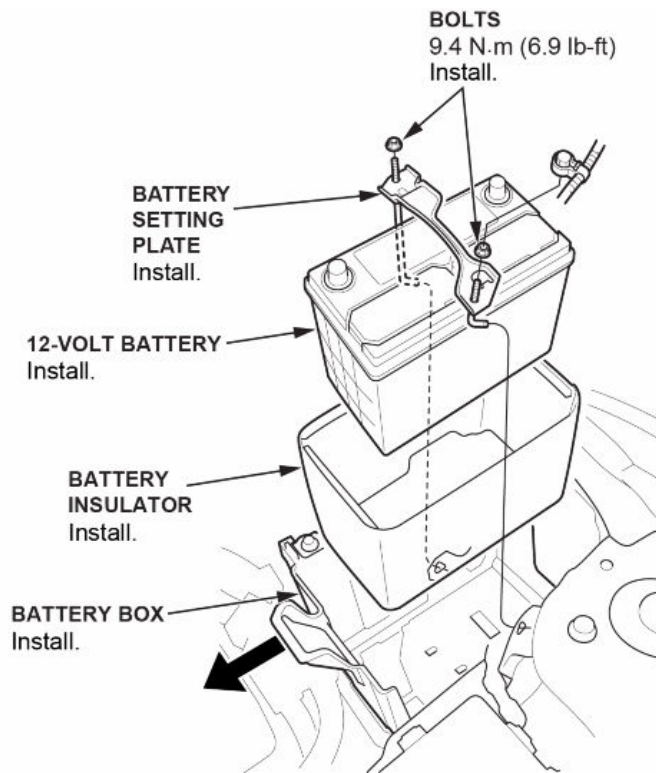
NOTE: tighten the mounting bolts in the numbered sequence shown.



70.4. Install the battery box.



70.5. Install the 12 volt battery insulator, the 12 volt battery and the 12 volt battery setting plate.



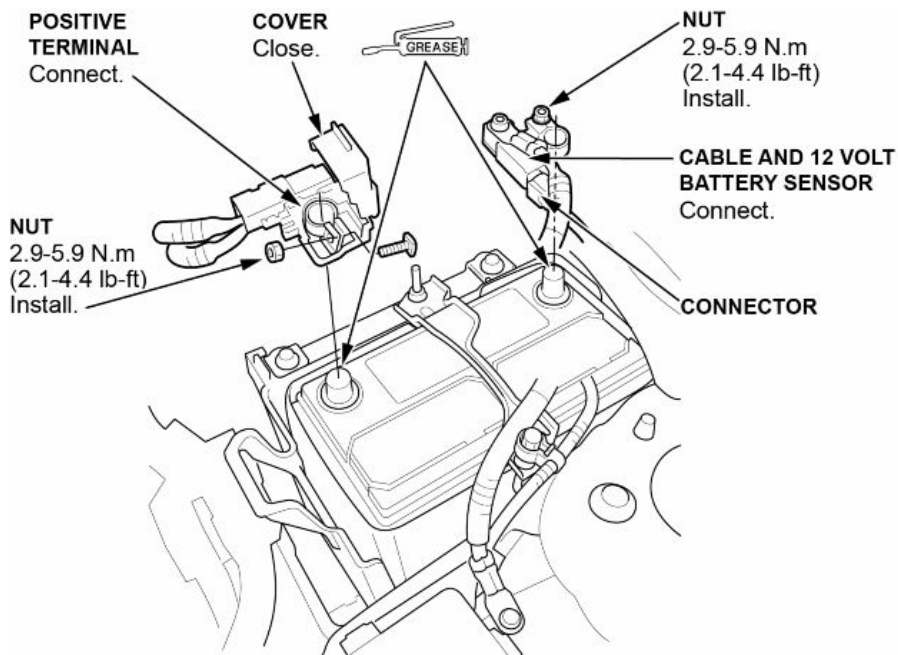
70.6. Clean the 12 volt battery terminals, connect the positive terminal to the 12 volt battery. Then, connect the negative terminal to the 12 volt battery.

NOTE:

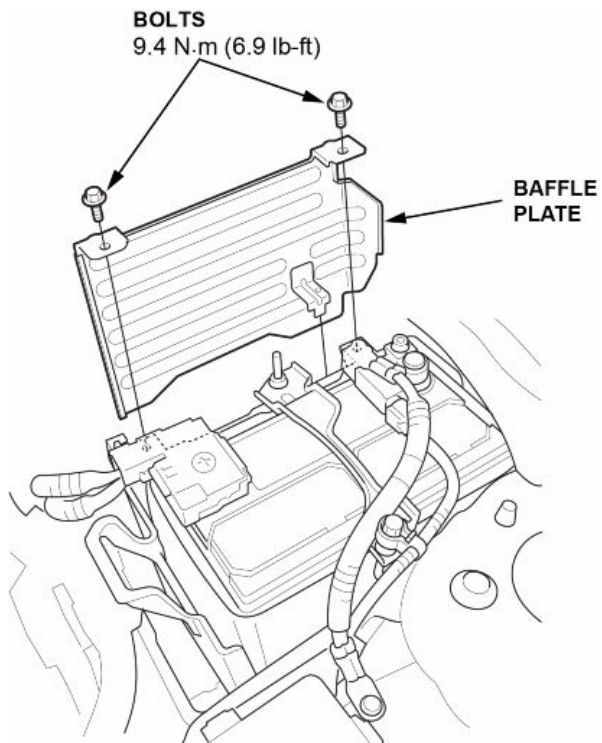
- Always connect the positive side first.
- Do not hold the connector when connecting the negative terminal.

70.7. Apply multipurpose grease to the terminals to prevent corrosion.

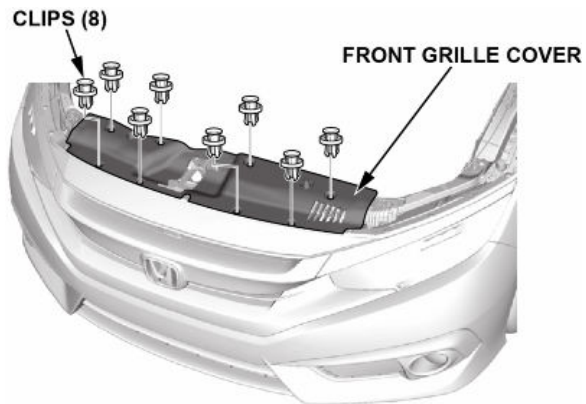
70.8. Close the cover.



70.9. Install the baffle plate.



71. Install the Front Grille Cover.



72. Connect the Steering Joint:

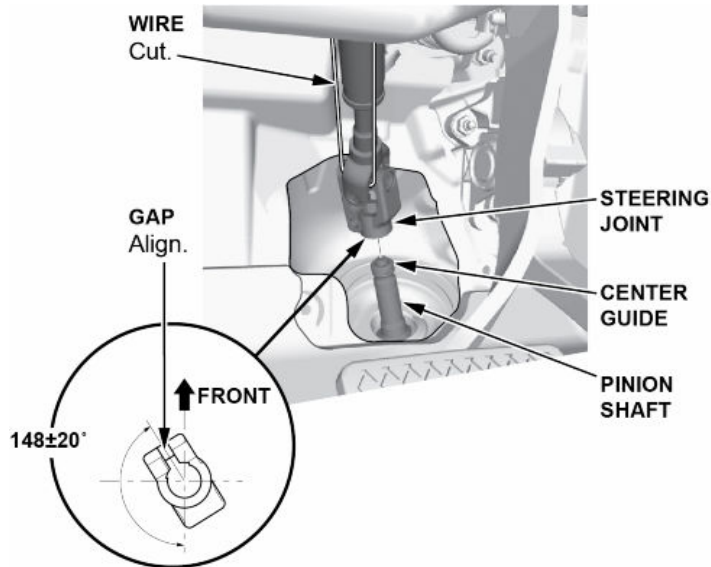
72.1. Set the rack in the straight ahead driving position.

72.2. Cut the wire.

72.3. Slip the lower end of the steering joint onto the pinion shaft.

NOTE:

- Pinion shaft with center guide: Install the steering joint by aligning the center guide.
- Pinion shaft without center guide: Position the steering column by aligning the gap within the angle.



72.4. Align the bolt hole on the steering joint with the groove around the pinion shaft.

72.5. Loosely install the steering joint bolt.

72.6. Be sure that the joint bolt is securely in the groove in the pinion shaft.

72.7. Pull on the steering joint to make sure that the steering joint is fully seated.

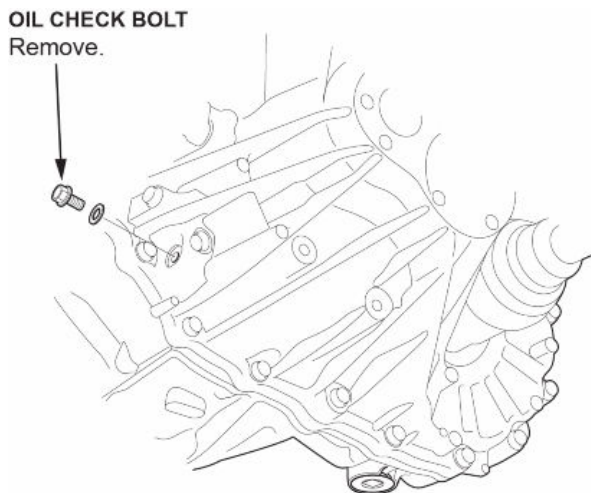
72.8. Tighten the steering joint bolt to the specified torque.

72.9. Install the steering joint cover.

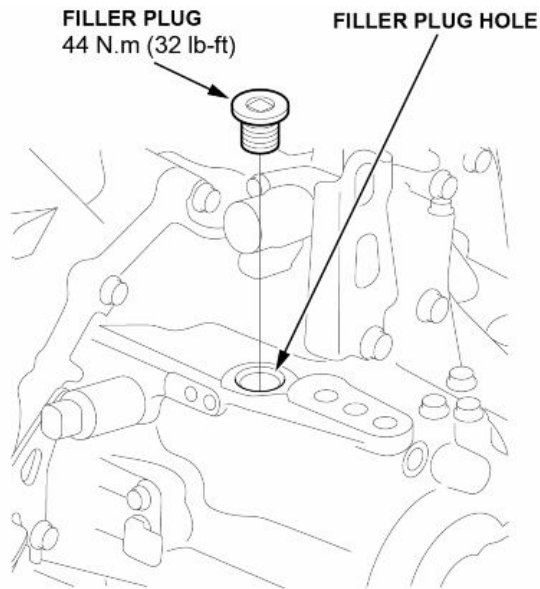
NOTE: Check the steering joint cover for damage and cracks. If the steering joint cover is cracked, replace the steering joint cover.

73. Refill the transmission:

73.1. Remove the oil check bolt.



73.2. Remove the filler plug.



73.3. Refill the MTF through the filler plug hole on the transmission, until the MTF overflows from the oil check bolt hole. Always use Honda Manual Transmission Fluid (MTF).

**Fluid Capacity:**

**2.0 L (2.1 US qt)**

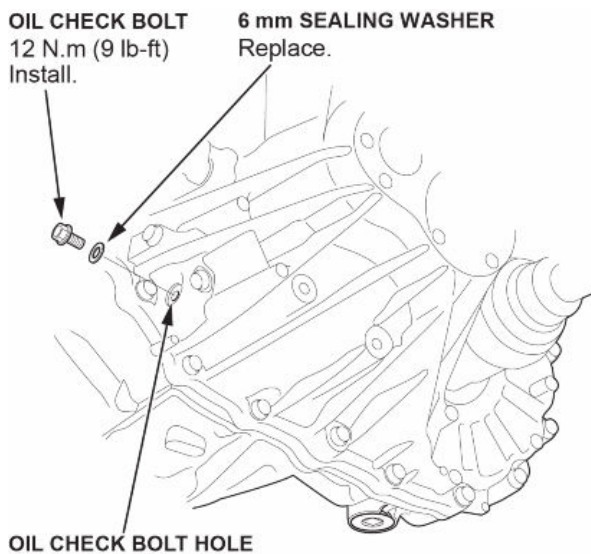
73.4. After the fluid stops overflowing, install the oil check bolt with a new **6 mm** sealing washer.

73.5. Clean any dirt and oil from the sealing surface of the filler plug and the transmission housing.

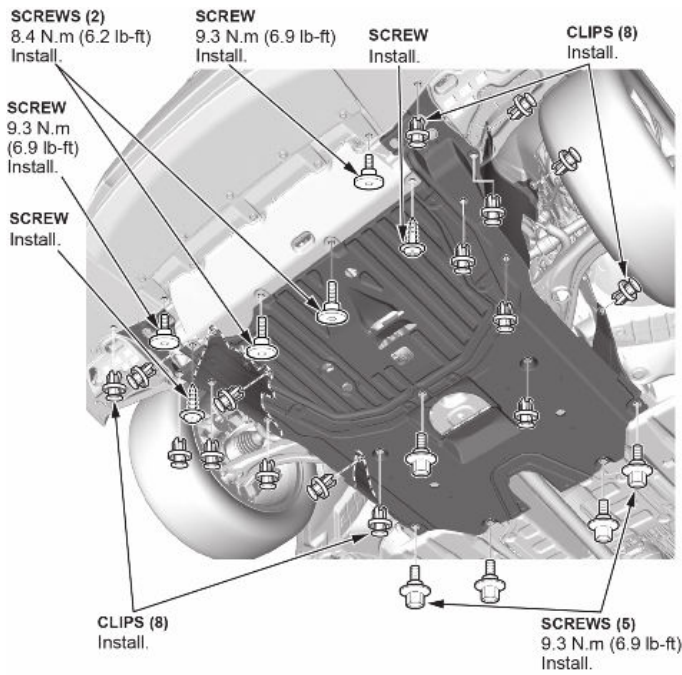
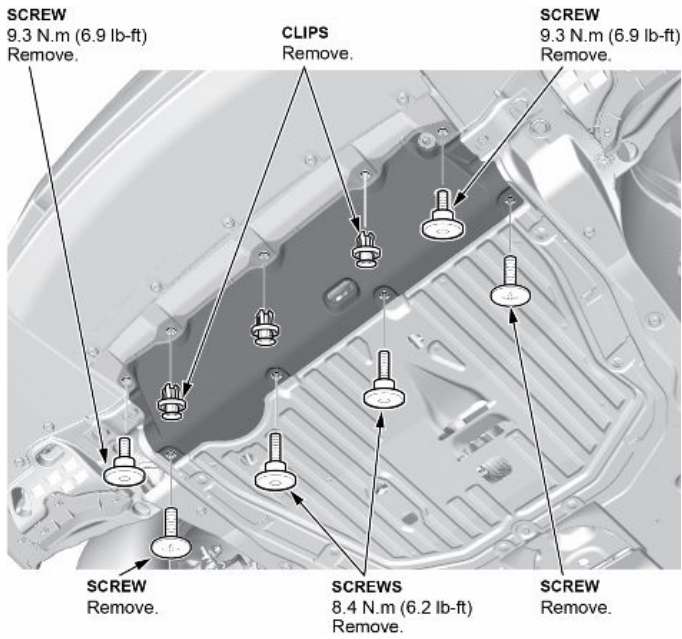
73.6. Apply liquid gasket (P/N 08718-0003, 08718-0004, or 08718-0009) to the threads of the filler plug. Install the filler plug within **5 minutes** of applying the liquid gasket.

73.7. Install the filler plug.

NOTE: If the Maintenance Minder required to replace the MTF, reset the Maintenance Minder with the gauge (see "Resetting the Maintenance Minder"). If the Maintenance Minder did not require to replace the MTF, reset the Maintenance Minder with the HDS (see "Resetting the Individual Maintenance Items").



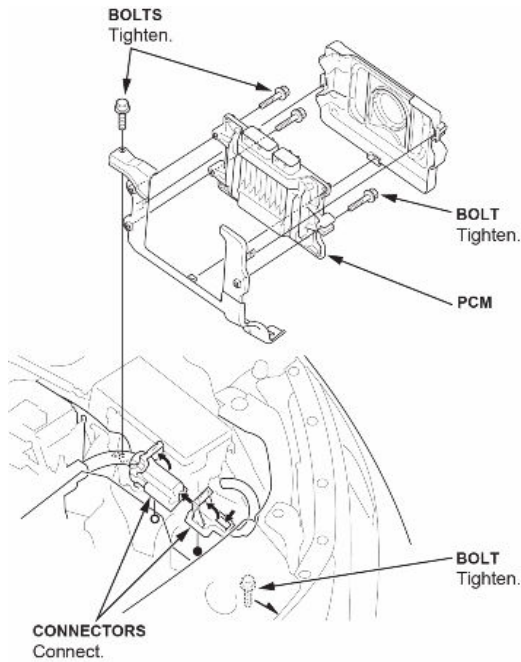
74. Install the engine undercover.



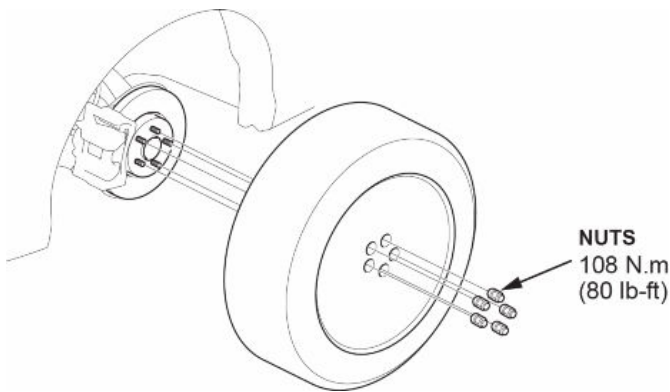
75. Install the PCM:

75.1. Connect connectors to the PCM.

75.2. Tighten the bolts.



76. Install the front wheels.



77. Check that the transmission shifts into all gears smoothly.

78. Check Wheel Alignment, Refer to 2016-2021 Civic Wheel Alignment in service information.

79. Check VSA Sensor Neutral Position:

79.1. Connect iHDS

NOTE: Do not press the brake pedal during this procedure.

79.2. Set the steering wheel in the straight-ahead position.

79.3. Select the ADJUSTMENT from the ABS/TCS/VSA menu with the HDS, then select ALL SENSOR, and follow the screen prompts.

80. Test drive vehicle.

END