

2007-08 ENGINE**Engine Assembly - TL****ENGINE REMOVAL****Special Tools Required**

- Front subframe adapter VSB02C000016
- Engine support hanger, A and Reds AAR-T-12566
- Engine hanger balance bar VSB02C000019

These special tools are available through Honda Tool and Equipment Program, 1-888-424-6857

NOTE:

- **Use fender covers to avoid damaging painted Surfaces.**
- **To avoid damaging the wires and terminals, unplug the wiring connectors carefully while holding the connector portion.**
- **Mark all wiring and hoses to avoid misconnection. Also, be sure that they do not contact other wiring or hoses, or interfere with other parts.**

1. Make sure you have the anti-theft codes for the audio system and the navigation system (if equipped). Make sure the ignition switch is OFF.
2. Disconnect the support struts from both sides of the pivot ball (bolted to the hood). Secure the hood (A) in a vertical position. Remove the right side pivot ball and install it into the lower threaded hole (B), then reattach the support strut.

NOTE:

Do not attempt to close the hood with the support strut in the vertical position, as it will damage the support strut and hood.

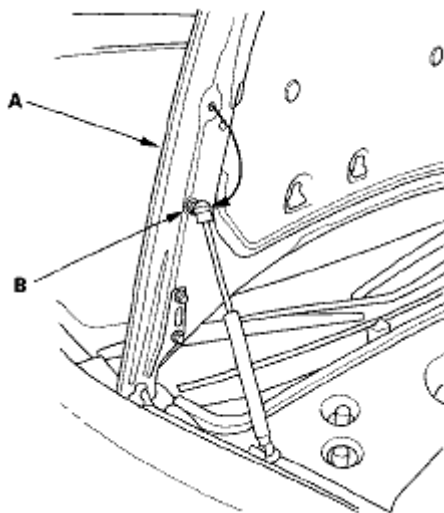


Fig. 1: Identifying Hood And Lower Threaded Hole
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Remove the left side engine compartment cover (A) and the left rear engine compartment cover (B).

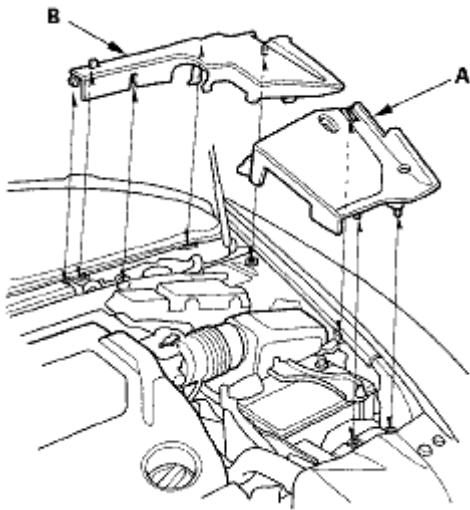


Fig. 2: Identifying Left Side Engine Compartment Cover And Rear Engine Compartment Cover

Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Remove the right side engine compartment cover (A), then remove the right rear engine compartment cover (B).

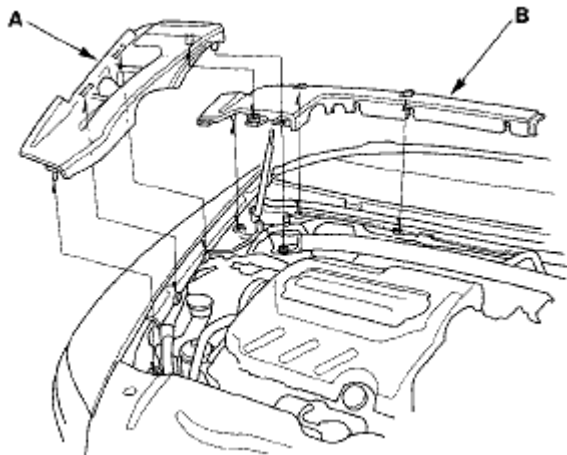


Fig. 3: Identifying Right Side Engine Compartment Cover

Courtesy of AMERICAN HONDA MOTOR CO., INC.

5. Remove the engine cover.

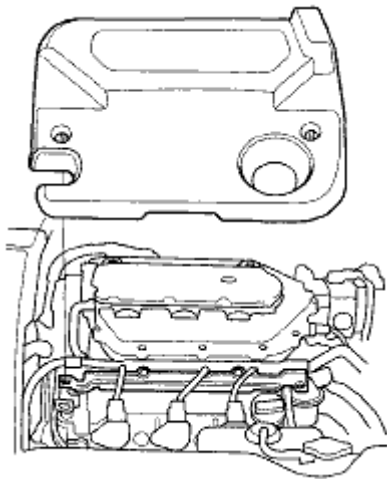


Fig. 4: Identifying Engine Cover

Courtesy of AMERICAN HONDA MOTOR CO., INC.

6. Drain the power steering system fluid, then plug the fluid reservoir and return hose (see **FLUID CHECK/REPLACEMENT**).
7. Relieve the fuel pressure (see **FUEL PRESSURE RELIEVING**).
8. Disconnect the negative cable from the battery first, then disconnect the positive cable.
9. Remove the battery.
10. Disconnect the breather pipe (A), then remove the intake air duct (B).

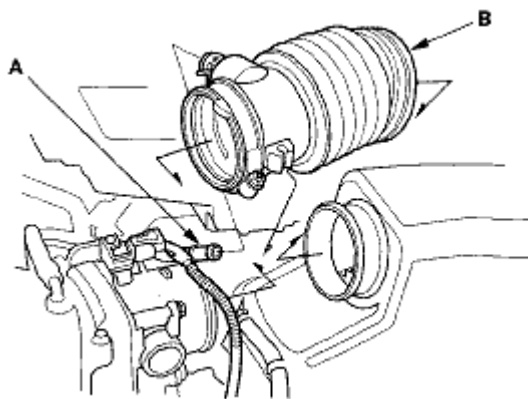


Fig. 5: Identifying Breather Pipe And Intake Air Duct

Courtesy of AMERICAN HONDA MOTOR CO., INC.

11. Remove the air cleaner assembly (see **AIR CLEANER REMOVAL/INSTALLATION**).
12. Remove the harness clamps (A).

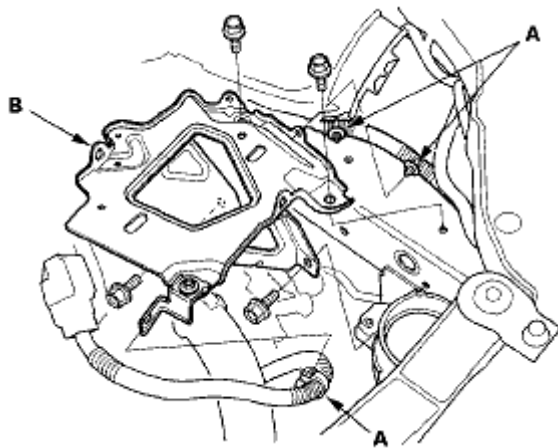


Fig. 6: Identifying Harness Clamps

Courtesy of AMERICAN HONDA MOTOR CO., INC.

13. Remove the four bolts securing the battery base, then remove the battery base (B).
14. Remove the battery cables (A) from the under-hood fuse/relay box, then disconnect the harness connector (B).

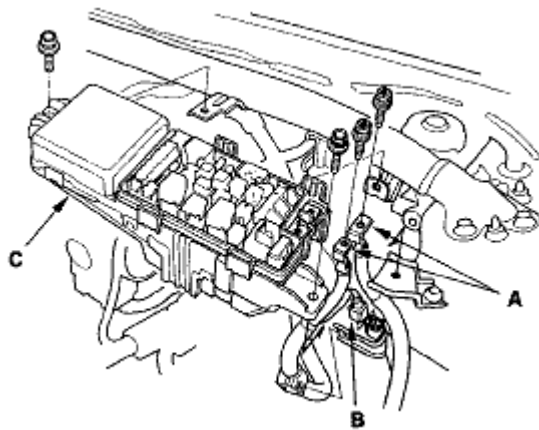


Fig. 7: Identifying Battery Cables And Under-Hood Fuse/Relay Box

Courtesy of AMERICAN HONDA MOTOR CO., INC.

15. Remove the under-hood fuse/relay box (C) from the body.
16. Remove the harness clamp (A), and remove the two 6 mm bolts (B), then remove the strut brace (C).

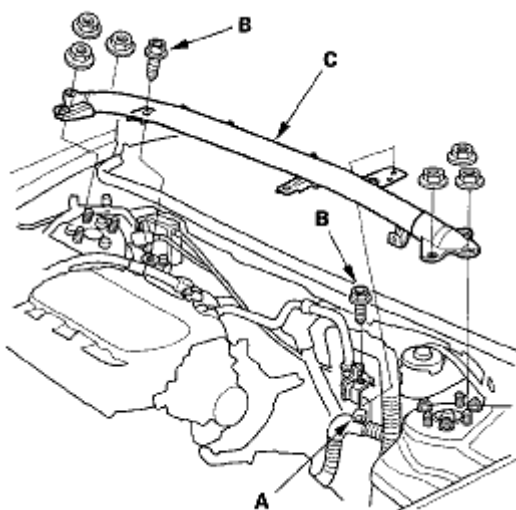


Fig. 8: Identifying Harness Clamp And Strut Brace Bolts
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

17. Disconnect the brake booster vacuum hose (A) and evaporative emission (EVAP) canister hose (B).

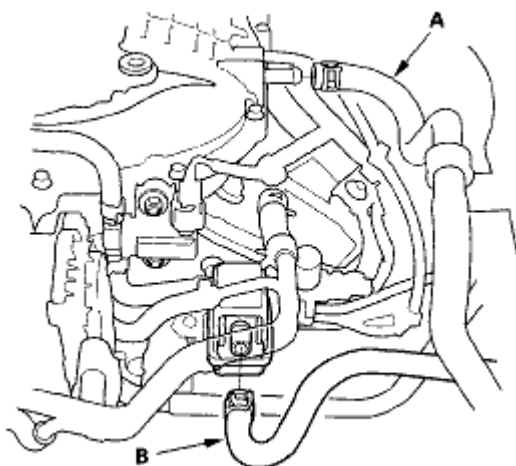


Fig. 9: Identifying Brake Booster Vacuum Hose And Evaporative Emission (EVAP) Canister Hose
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

18. Remove the quick-connect fitting cover (A), then disconnect the fuel feed hose (B) (see **FUEL LINE/QUICK-CONNECT FITTING REMOVAL**).

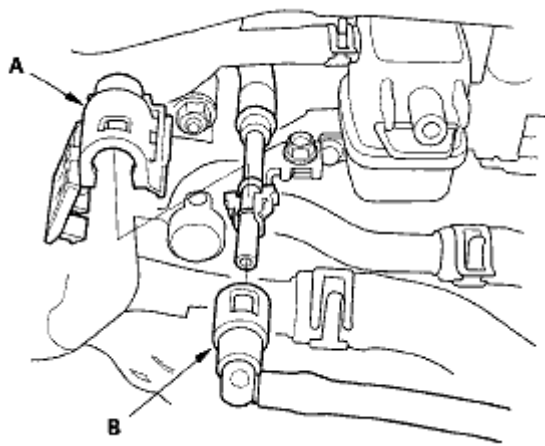


Fig. 10: Identifying Quick-Connect Fitting Cover And Fuel Feed Hose
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

19. Remove the harness clamp (A), and disconnect the engine wire harness connectors (B) on the left side of the engine compartment.

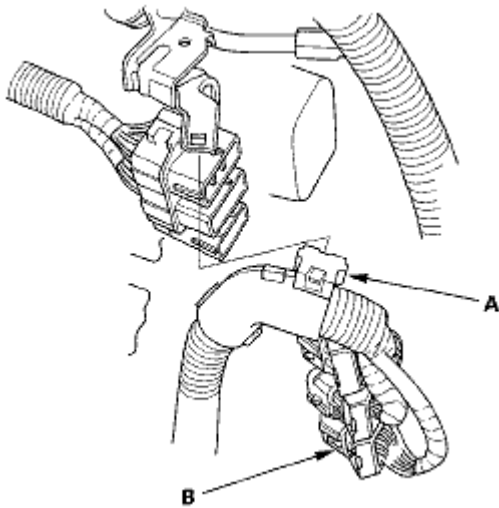


Fig. 11: Identifying Harness Clamp And Engine Wire Harness Connectors
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

20. M/T model: Remove the three bolts securing the shift cable holder, then remove the shift cable and select cable. Do not bend the cables excessively (see step 17 on **TRANSMISSION REMOVAL**).
21. M/T model: Remove the clutch slave cylinder and clutch line bracket mounting bolt. Do not operate the clutch pedal once the slave cylinder has been removed (see step 19 on **TRANSMISSION REMOVAL**).
22. Remove the drive belt (see **DRIVE BELT REPLACEMENT**).
23. Remove the power steering (R/S) pump outlet line (A) from the P/S pump, then plug the outlet line and the P/S pump.

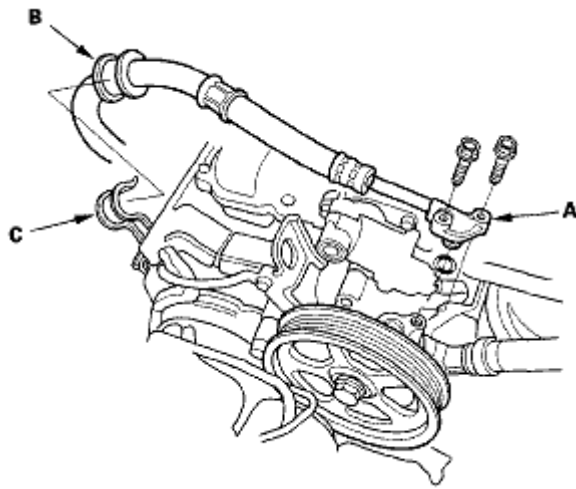


Fig. 12: Identifying Power Steering (R/S) Pump Outlet Line
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

24. Remove the P/S hose (B) from the clamp (C).
25. Remove the P/S fluid reservoir from the clamp.

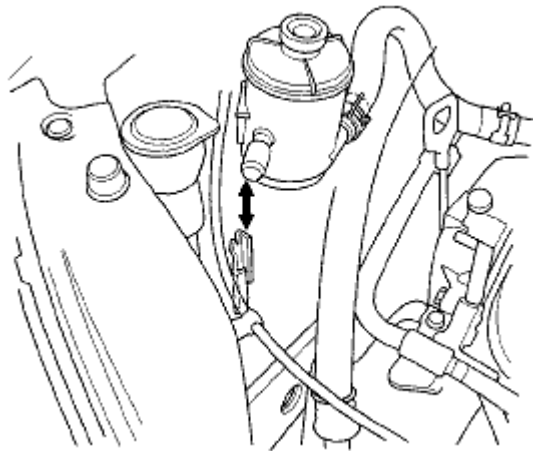


Fig. 13: Identifying P/S Hose From Clamp And P/S Fluid Reservoir From Clamp
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

26. Remove the steering wheel (see **STEERING WHEEL REMOVAL**).
27. Remove the steering joint cover (A).

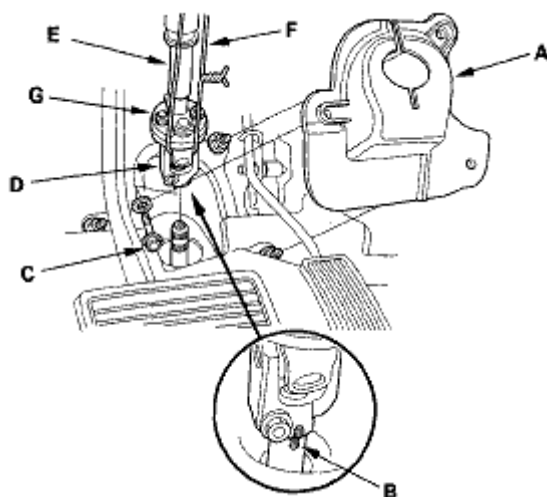


Fig. 14: Identifying Steering Joint Cover

Courtesy of AMERICAN HONDA MOTOR CO., INC.

28. Make a reference mark (B) across the steering joint and steering gearbox pinion shaft. Remove the steering joint bolt (C), and disconnect the steering joint (D) by removing the steering joint toward the steering column. Hold the slider shaft (E) on the column with a piece of wire (F) between the joint yoke (G) on the slider shaft to the joint yoke on the upper shaft (see step 8 on **STEERING COLUMN REMOVAL AND INSTALLATION**).
29. Remove the radiator cap.
30. Raise the vehicle on the lift to full height.
31. Remove the front wheels.
32. Remove the engine under cover.

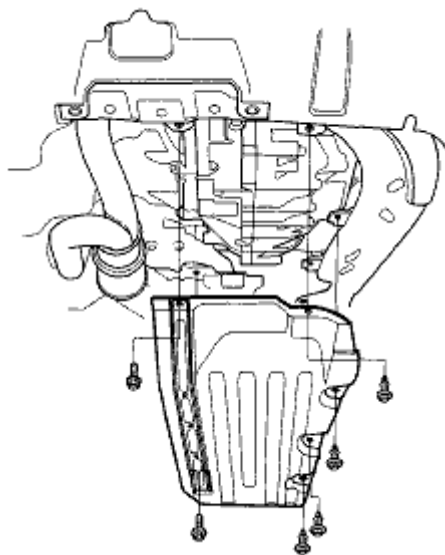


Fig. 15: Identifying Engine Under Cover

Courtesy of AMERICAN HONDA MOTOR CO., INC.

33. Remove the splash shield.

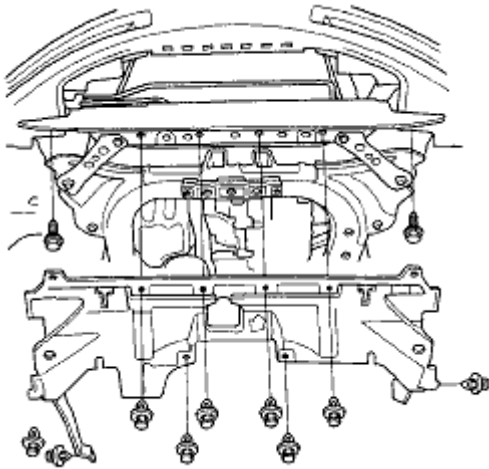


Fig. 16: Identifying Splash Shield

Courtesy of AMERICAN HONDA MOTOR CO., INC.

34. Loosen the drain plug in the radiator, and drain the engine coolant (see **COOLANT CHECK**).
35. Drain the transmission fluid:
 - Manual transmission (see **TRANSMISSION FLUID INSPECTION AND REPLACEMENT**)
 - Automatic transmission (see **ATF REPLACEMENT**)
36. Drain the engine oil (see **ENGINE OIL REPLACEMENT**).
37. Disconnect the stabilizer links (see **STABILIZER LINK REMOVAL/INSTALLATION**).
38. Remove the damper fork (see step 5 on **DAMPER/SPRING REMOVAL AND INSTALLATION**).
39. Separate the tie-rod end ball joints from the knuckles (see step 11 on **KNUCKLE/HUB/WHEEL BEARING REPLACEMENT**).
40. Separate the knuckles from the lower arms (see step 5 on **LOWER ARM REMOVAL/INSTALLATION**).
41. Remove the driveshafts (see step 10 on **DRIVESHAFT REMOVAL**). Coat all precision-finished surfaces with clean engine oil. Tie plastic bags over the driveshaft ends.
42. Remove exhaust pipe A.

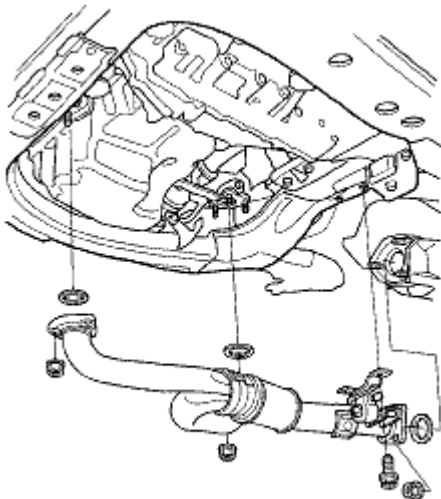
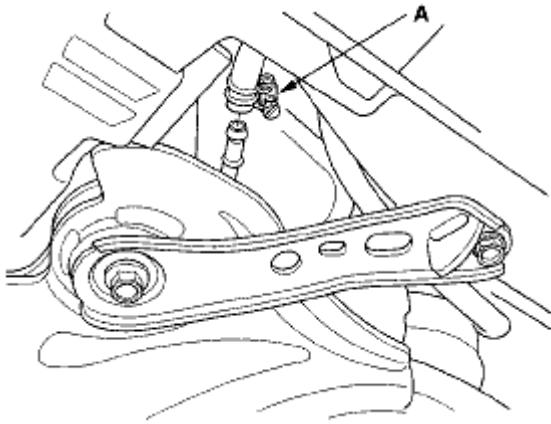
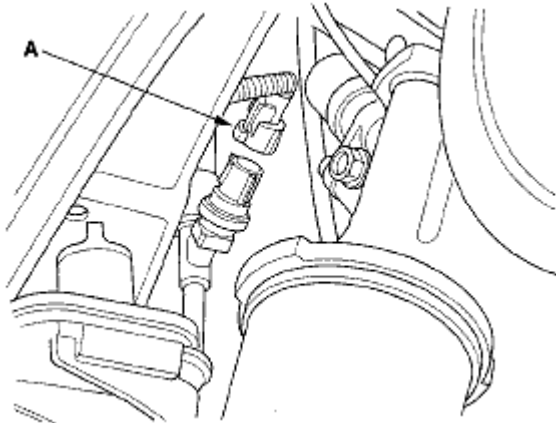


Fig. 17: Identifying Exhaust Pipe**Courtesy of AMERICAN HONDA MOTOR CO., INC.**

43. Disconnect the P/S hose (A), then plug the line and the hose.

**Fig. 18: Identifying P/S Hose****Courtesy of AMERICAN HONDA MOTOR CO., INC.**

44. Disconnect the power steering pressure switch connector (A).

**Fig. 19: Identifying Power Steering Pressure Switch Connector****Courtesy of AMERICAN HONDA MOTOR CO., INC.**

45. M/T model: Remove the nuts securing the transmission lower front mount and transmission lower rear mount.

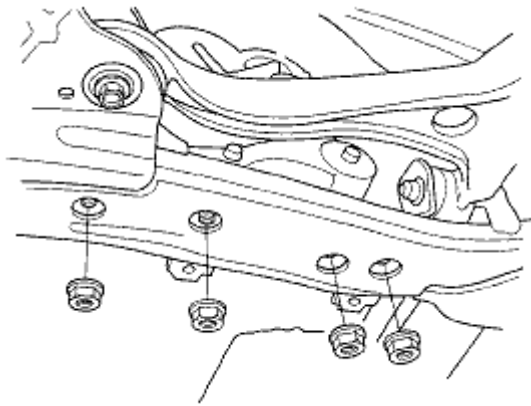


Fig. 20: Identifying Transmission Lower Front Mount And Transmission Lower Rear Mount Nuts

Courtesy of AMERICAN HONDA MOTOR CO., INC.

46. A/T model: Remove the bolts securing the transmission lower mount.

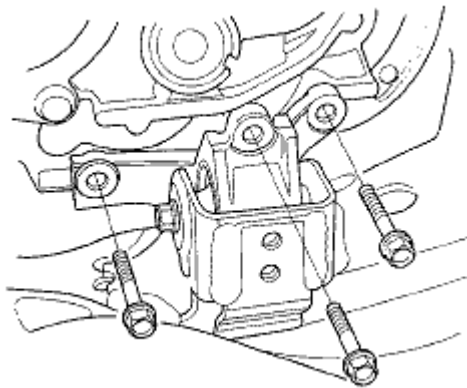


Fig. 21: Identifying Transmission Lower Mount Bolts
Courtesy of AMERICAN HONDA MOTOR CO., INC.

47. Lower the vehicle on the lift.
48. Remove the radiator (see **RADIATOR AND FAN REPLACEMENT**).
49. A/T model: Remove the shift cable. Do not bend the shift cable excessively (see **SHIFT CABLE REPLACEMENT**).
50. Disconnect the heater hoses.

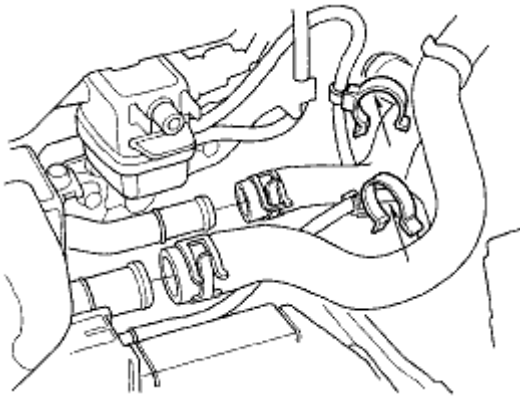


Fig. 22: Identifying Heater Hoses
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

51. Remove the four bolts securing the A/C compressor.

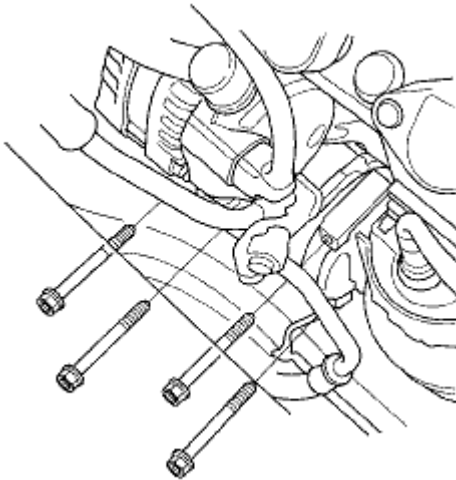


Fig. 23: Identifying A/C Compressor Bolts
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

52. A/T model: Disconnect the ATF cooler hoses from the transmission, then plug the ATF cooler hoses and lines (see **ATF COOLER HOSE REPLACEMENT**).
53. Remove the connector bracket from the front cylinder head; use the bracket bolt hole to attach the engine hanger balance bar front arm.

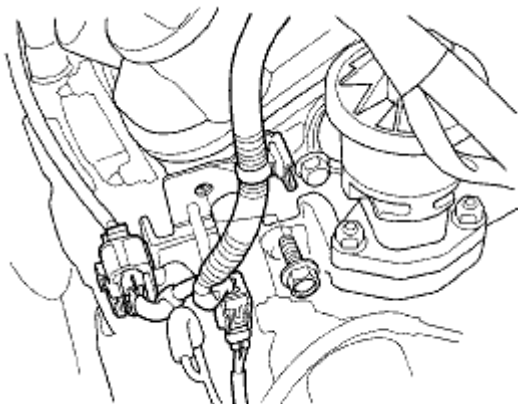


Fig. 24: Identifying ATF Cooler Hoses From Transmission
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

54. Remove the harness clamp bracket from the rear cylinder head; use the bracket bolt hole to attach the engine hanger balance bar rear arm.

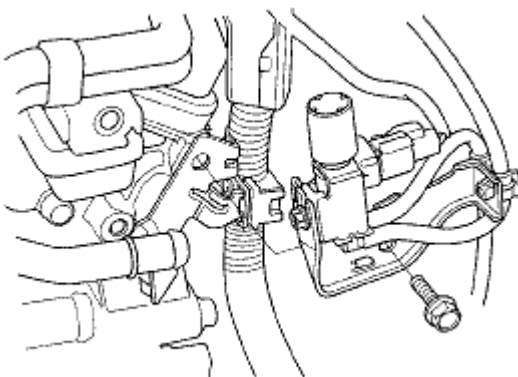


Fig. 25: Identifying Rear Cylinder Head Harness Clamp Bracket Bolt
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

55. A/T model: Remove the shift cable bracket from the front subframe.

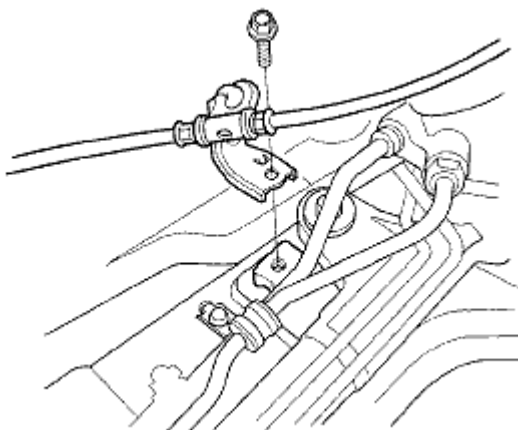


Fig. 26: Identifying Shift Cable Bracket From Front Subframe
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

56. Remove the front bulkhead cover (see **FRONT BULKHEAD COVER REPLACEMENT**). Then lift and support the engine/transmission with engine support hanger (AAR-T-12566) and engine hanger balance bar (VSB02C000019). Attach the front arm (A) to the front cylinder head with a spacer (B) and the connector bracket bolt (10x1.25 mm) (C). Attach the rear arm (D) to the rear cylinder head with the harness clamp bracket bolt (8 x 1.25 mm) (E).

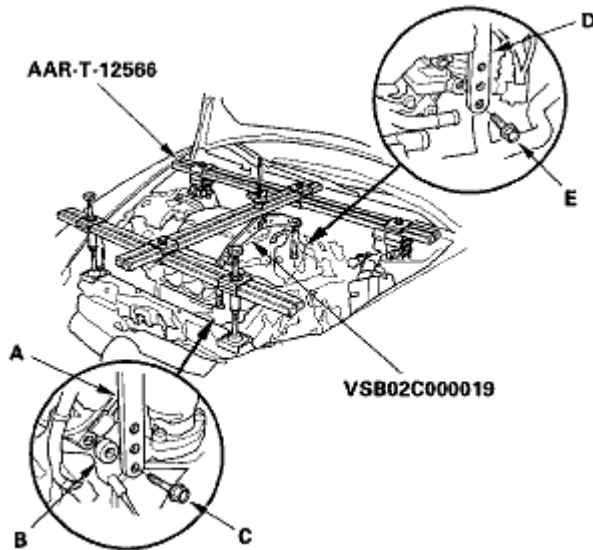


Fig. 27: Identifying Rear Arm And Rear Cylinder Head With Harness Clamp Bracket Bolt
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

57. Remove the front engine mount stop (A), then remove the front engine mount bolt (B) and vacuum hose (C).

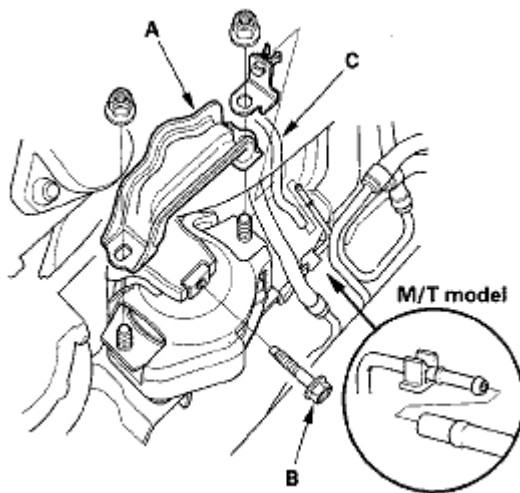


Fig. 28: Identifying Engine Mount Stop And Front Engine Mount Bolt
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

58. M/T model: Remove the two bolts securing the rear engine damper.

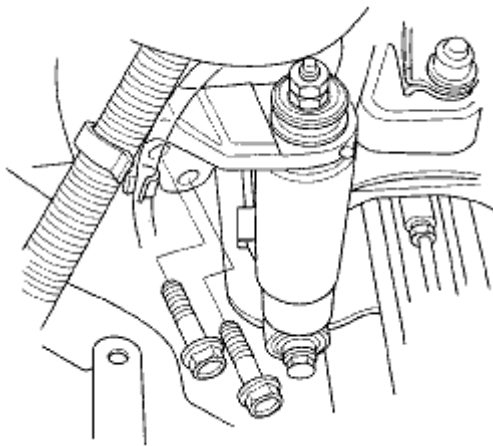


Fig. 29: Identifying Rear Engine Damper Bolt
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

59. Remove the rear engine mount stop (A), then remove the rear engine mount bolt (B).

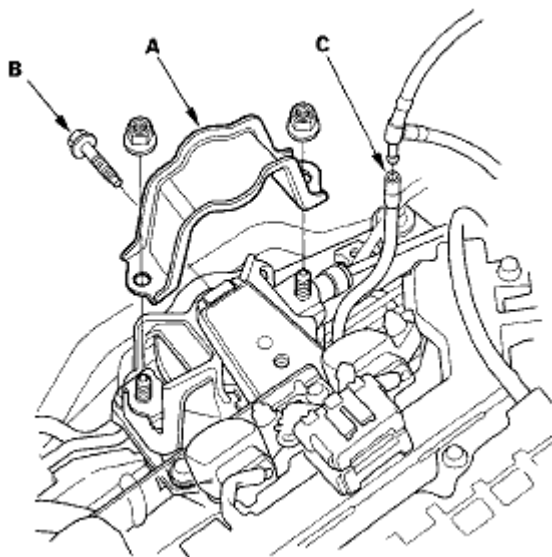


Fig. 30: Identifying Rear Engine Mount Stop And Rear Engine Mount Bolt
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

60. Remove the vacuum hose (C).
 61. M/T model: Remove the two bolts securing the shift cable bracket.

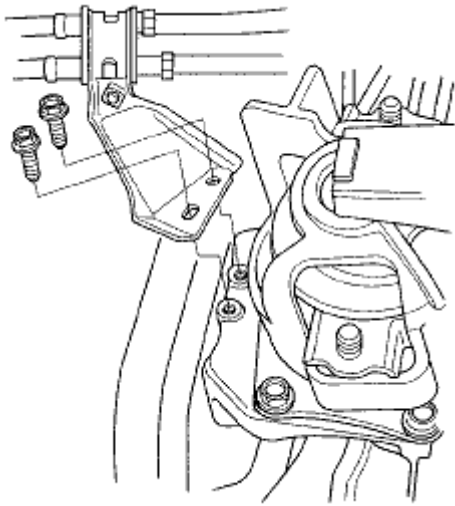


Fig. 31: Identifying Shift Cable Bracket Bolts
Courtesy of AMERICAN HONDA MOTOR CO., INC.

62. Raise the vehicle on the lift to full height.
63. Make the appropriate reference lines (A) at both ends of the subframe (B) that line up with the edge (C) of the stiffeners(D).

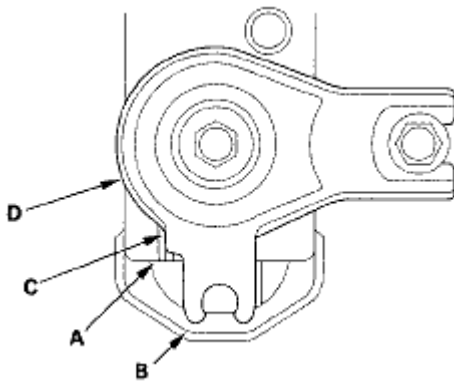


Fig. 32: Identifying Ends Of Subframe
Courtesy of AMERICAN HONDA MOTOR CO., INC.

64. Attach the front subframe adapter (VSB02C000016) to the subframe by hanging the belt (A) over the front of the subframe (B), then secure the belt with its stop (C).

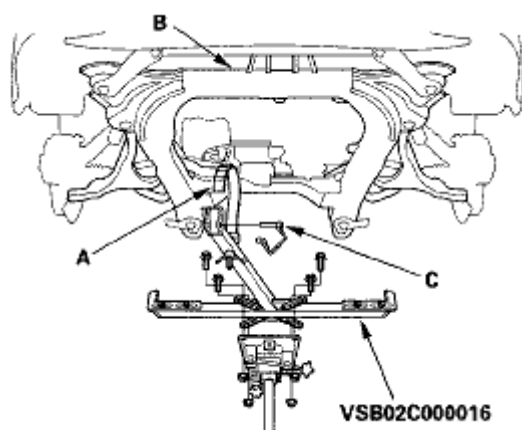


Fig. 33: Identifying Subframe Belt

Courtesy of AMERICAN HONDA MOTOR CO., INC.

65. Raise the jack and line up the slots in the front subframe adapter arms with the bolt holes on the jack base, then securely attach them with four bolts.
66. Remove the subframe middle mount.

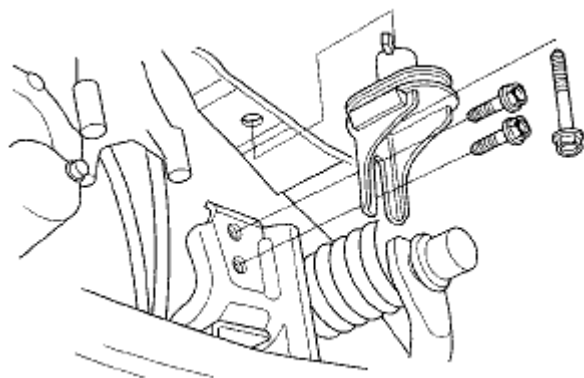


Fig. 34: Identifying Subframe Middle Mount

Courtesy of AMERICAN HONDA MOTOR CO., INC.

67. Remove the four 12 x 1.25 mm bolts (A) securing the subframe stiffeners (B), the four subframe mounting bolts (C), and the stiffeners, then lower the front subframe (D).

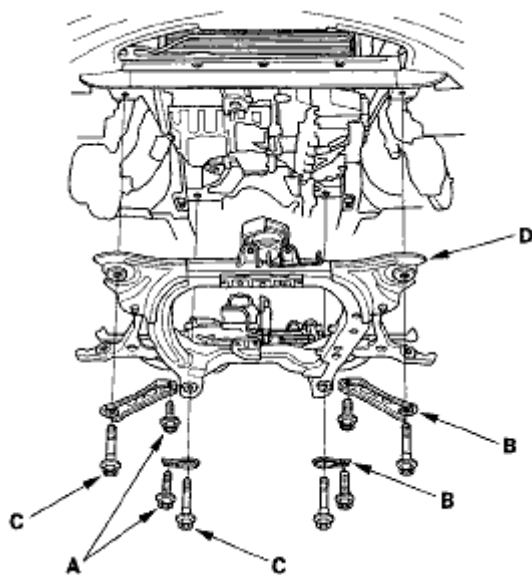


Fig. 35: Identifying Subframe Stiffeners And Subframe Mounting Bolts
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

68. Lower the vehicle.
69. Attach a chain hoist (A) to the engine hook (B) and the transmission hook (C), then lift up the engine/transmission until it is securely supported by the chain hoist, then remove the engine support hanger and engine hanger balance bar.

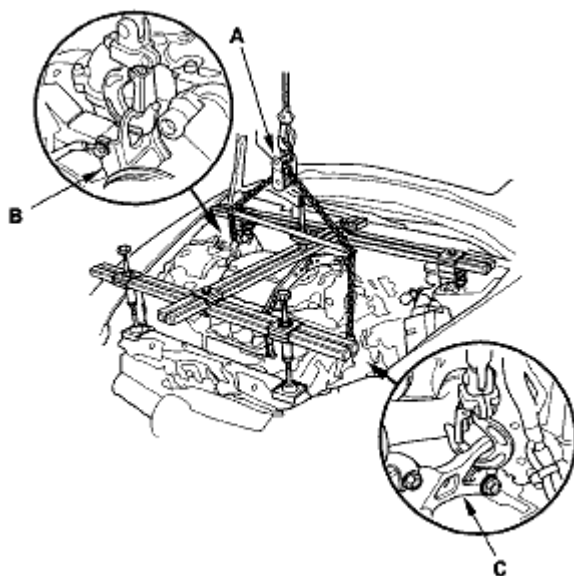


Fig. 36: Attaching Chain Hoist To Engine Hook
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

70. Remove the mounting bolts from the upper half of the side engine mount bracket.

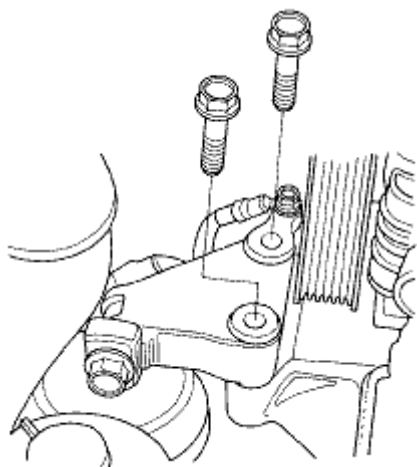


Fig. 37: Identifying Side Engine Mount Bracket Bolts
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

71. Remove the ground cable (A).

M/T model:

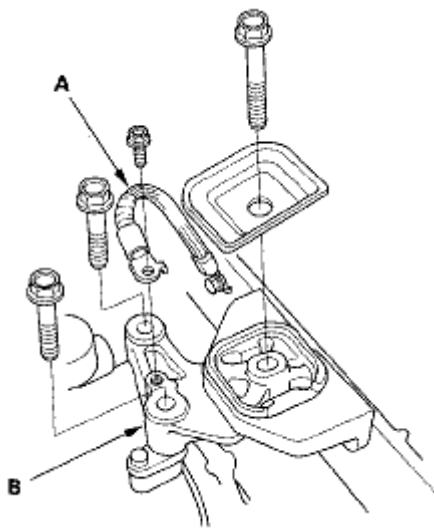


Fig. 38: Identifying Ground Cable - M/T Model
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

A/T model:

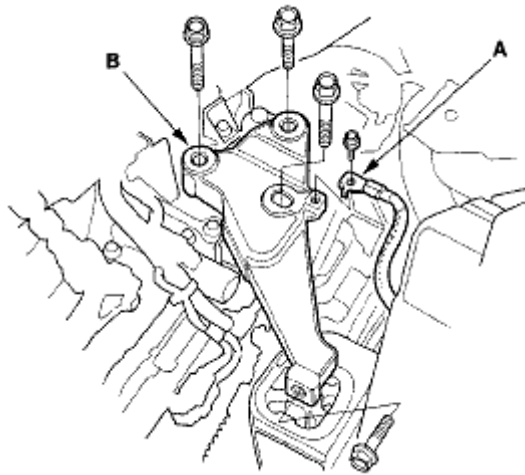


Fig. 39: Identifying Ground Cable - A/T Model
Courtesy of AMERICAN HONDA MOTOR CO., INC.

72. Remove the transmission upper mount bracket (B).
73. Check that the engine/transmission is completely free of vacuum hoses, fuel and coolant hoses, and electrical wiring.
74. Slowly lower the engine/transmission about 150 mm (6 in.). Check once again that all hoses and electrical wiring are disconnected and free from the engine/transmission, then lower it all the way and support it on the shop floor.
75. Disconnect the chain hoist from the engine/ transmission.
76. Raise the vehicle all the way, and remove the engine/transmission from under the vehicle.

ENGINE INSTALLATION

Special Tools Required

- Front subframe adapter VSB02C000016
- Engine support hanger, A and Reds AAR-T-12566
- Engine hanger balance bar VSB02C000019

These special tools are available through Honda Tool and Equipment Program, 1-888-424-6857

1. Install the engine mount brackets and accessory brackets, and tighten their bolts to the specified torque.

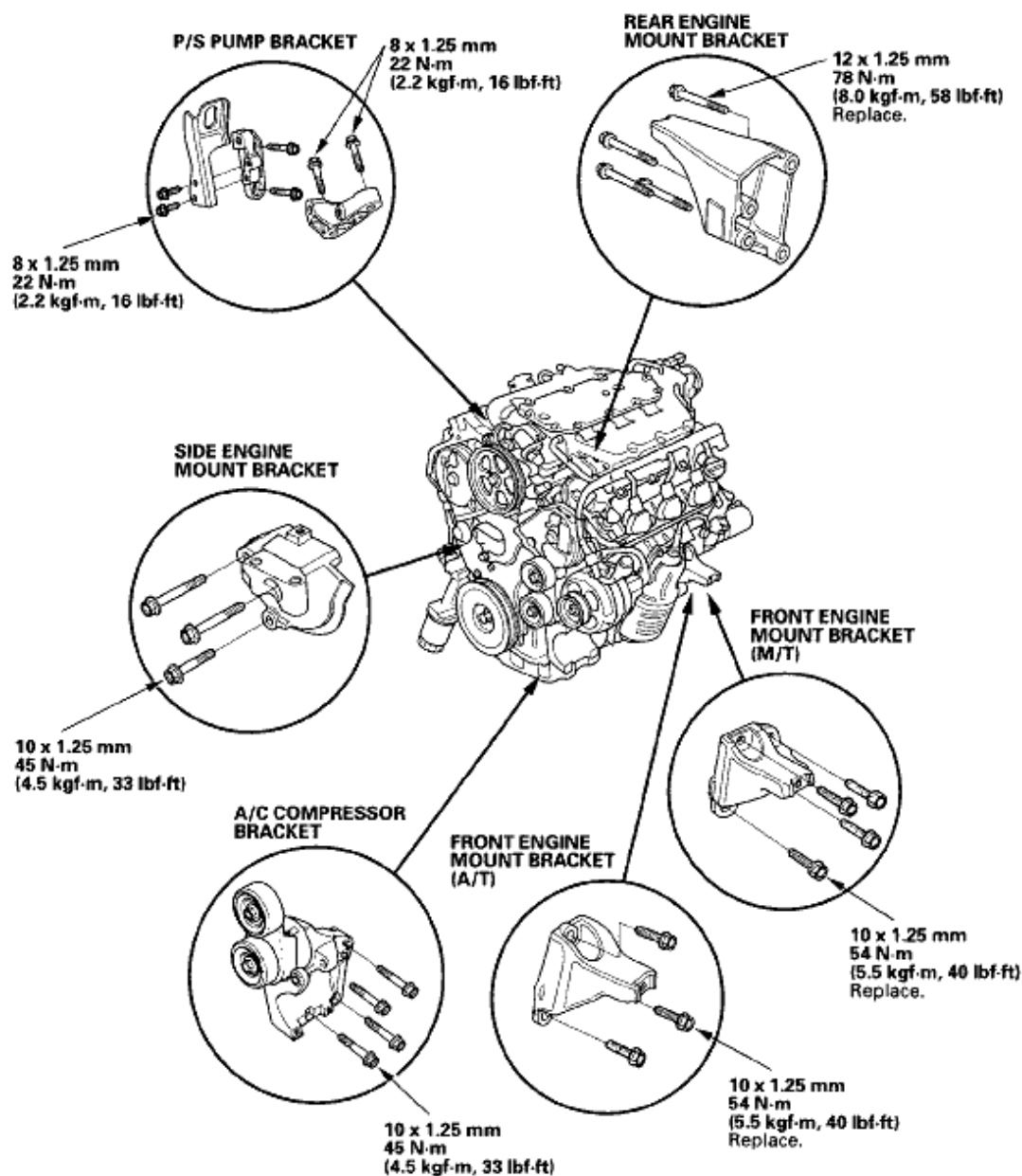


Fig. 40: Identifying Engine Mount Brackets And Accessory Brackets Bolts With Torque Specifications

Courtesy of AMERICAN HONDA MOTOR CO., INC.

- Position the engine/transmission under the vehicle. Be sure that they are properly aligned. Carefully lower the vehicle on the lift until the engine/transmission are properly positioned in the engine compartment. Make sure the vehicle is not resting on any part of the engine/transmission. Support the engine/transmission with a chain hoist (A) and carefully raise the engine/transmission into place.

NOTE: Reinstall the mounting bolts/support nuts in the sequence given in the following steps. Failure to follow this sequence may cause excessive noise and vibration, and reduce engine mount life.

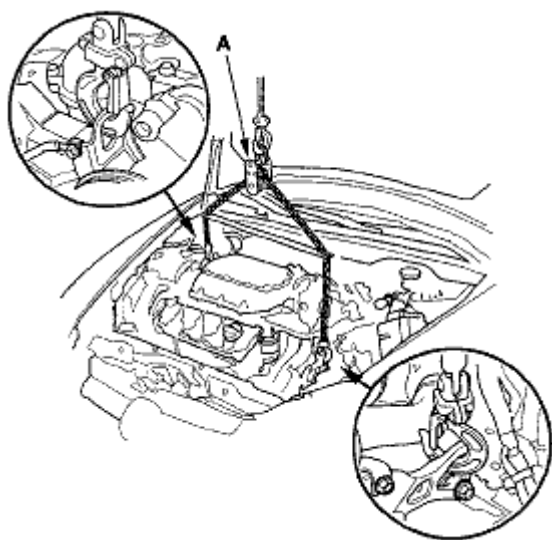


Fig. 41: Supporting Engine/Transmission With Chain Hoist
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Install the engine support hanger (AAR-T-12566) to the vehicle.

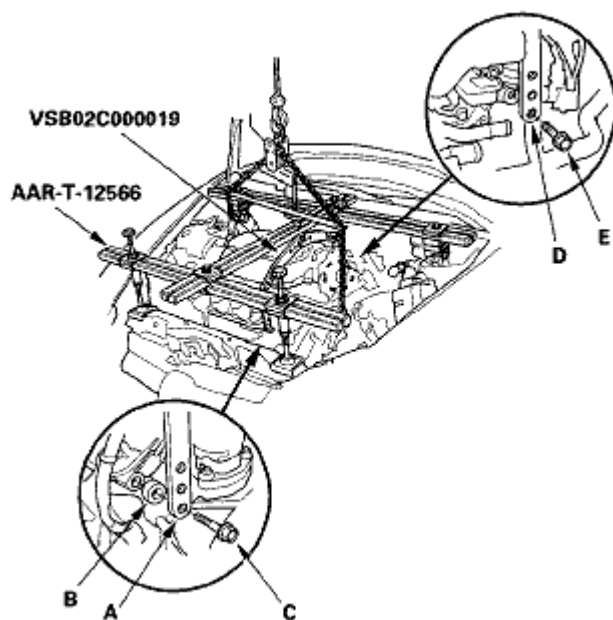


Fig. 42: Installing Engine Support Hanger
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Install the engine with the engine hanger balance bar (VSB02C000019). Attach the front arm (A) to the front cylinder head with a spacer (B) and the connector bracket bolt (10 x 1.25 mm) (C). Attach the rear arm (D) to the rear cylinder head with the harness clamp bracket bolt (8 x 1.25 mm) (E).
5. Install the mounting bolts into the upper half of the side engine mount bracket. Tighten the bolts to the specified torque.

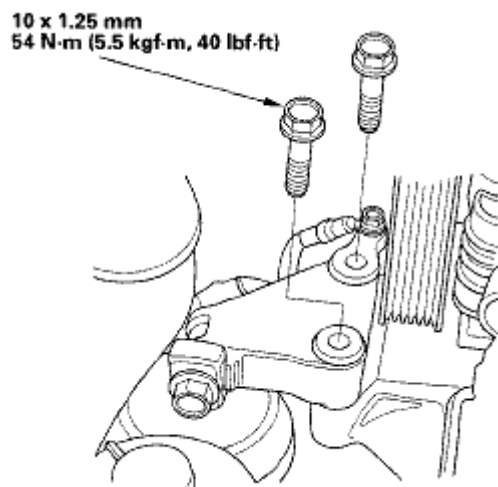


Fig. 43: Identifying Mounting Bolts Into Upper Half Of Side Engine Mount Bracket With Torque Specifications

Courtesy of AMERICAN HONDA MOTOR CO., INC.

6. Install the transmission upper mount bracket (A), then tighten the bolts in the numbered sequence shown.

M/T model:

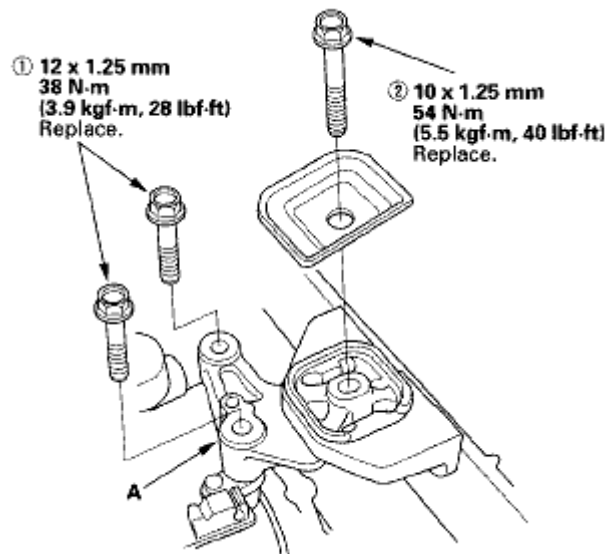


Fig. 44: Identifying Transmission Upper Mount Bracket - M/T Model With Torque Specifications

Courtesy of AMERICAN HONDA MOTOR CO., INC.

A/T model:

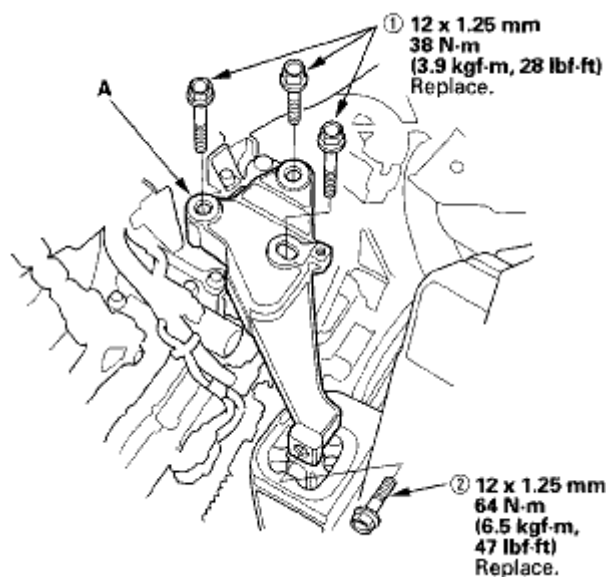


Fig. 45: Identifying Transmission Upper Mount Bracket - A/T Model With Torque Specifications

Courtesy of AMERICAN HONDA MOTOR CO., INC.

7. Remove the chain hoist, then raise the vehicle on the lift to full height.
8. Using the subframe adapter (VSB20C000016) and a jack, then raise the front subframe up to the body.

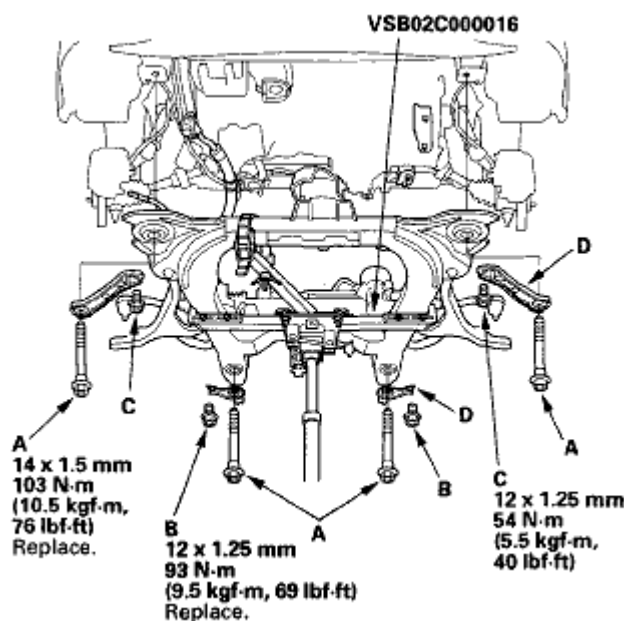


Fig. 46: Raising Front Subframe Up To Body With Torque Specifications

Courtesy of AMERICAN HONDA MOTOR CO., INC.

9. Loosely install the new front subframe mounting bolts (four) (A), the 12 x 1.25 mm bolts (four) (B) (C), and the stiffeners (D).
10. Loosely install the subframe middle mount.

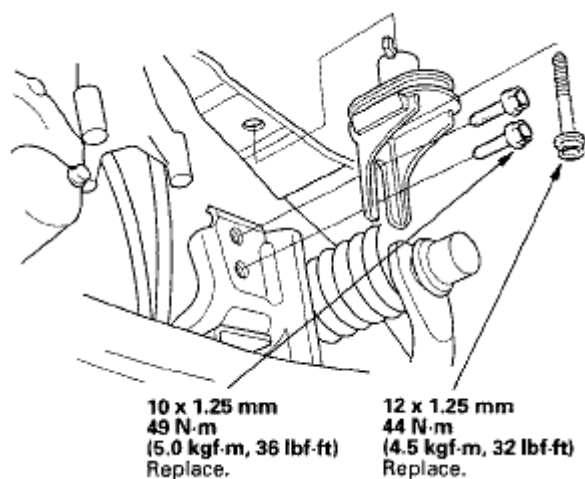


Fig. 47: Identifying Front Subframe Mounting Bolts And Stiffeners With Torque Specifications
Courtesy of AMERICAN HONDA MOTOR CO., INC.

11. Remove the jack and front subframe adapter.
12. Align the reference marks (A) with the edge (B) of both rear stiffeners (C), and tighten the rear subframe mounting bolts, then the front bolts, and finally the stiffener bolts to the specified torque.

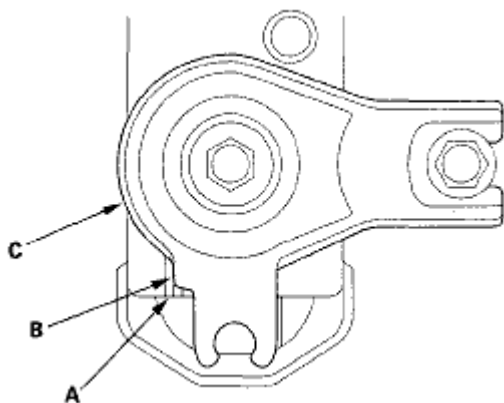


Fig. 48: Identifying Reference Marks With Edge Of Rear Stiffeners
Courtesy of AMERICAN HONDA MOTOR CO., INC.

13. Tighten the bolts securing the subframe middle mounts.
14. M/T model: Tighten the nuts securing the transmission lower front mount and transmission lower rear mount.

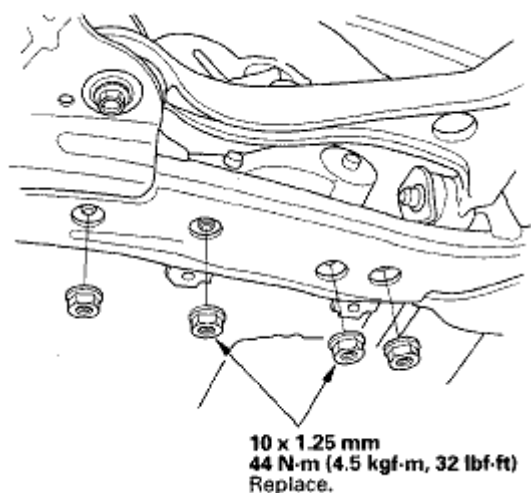


Fig. 49: Identifying Transmission Lower Front Mount And Transmission Lower Rear Mount Nuts With Torque Specifications

Courtesy of AMERICAN HONDA MOTOR CO., INC.

15. A/T model: Tighten the bolts securing the transmission lower mount.

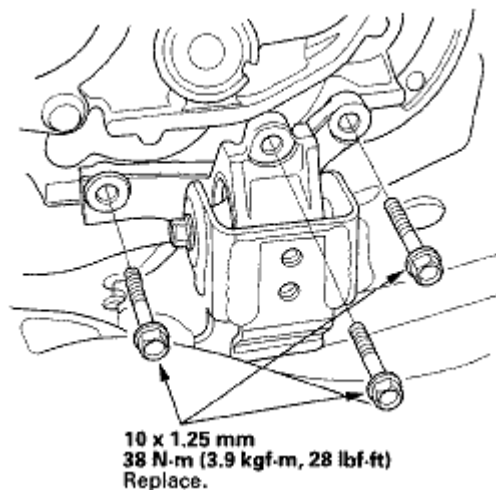


Fig. 50: Identifying Transmission Lower Mount Bolts With Torque Specifications

Courtesy of AMERICAN HONDA MOTOR CO., INC.

16. Lower the vehicle.
17. M/T model: Install the shift cable, and tighten the two bolts securing the shift cable bracket.

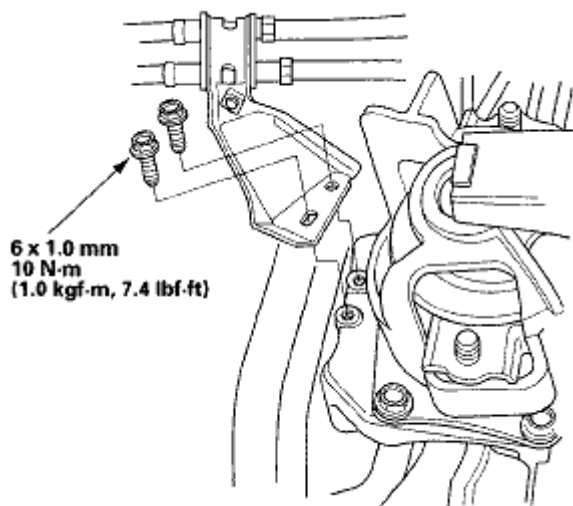


Fig. 51: Identifying Shift Cable Bracket Bolts With Torque Specifications
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

18. Install the vacuum hose (A).

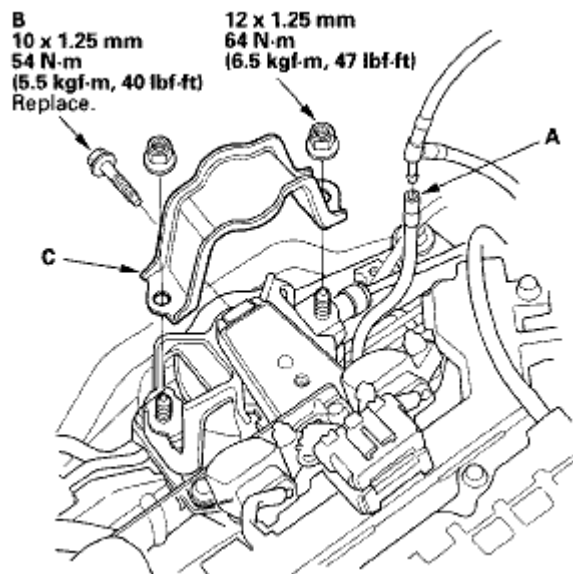


Fig. 52: Identifying Vacuum Hose With Torque Specifications
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

19. Tighten the rear engine mount bolt (B), then install the rear engine mount stop (C).
20. M/T model: Tighten the two bolts securing the rear engine damper.

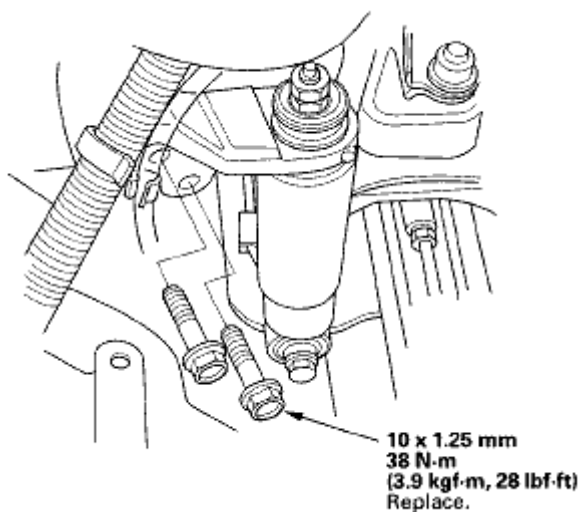


Fig. 53: Identifying Rear Engine Damper Bolts With Torque Specifications
Courtesy of AMERICAN HONDA MOTOR CO., INC.

21. Tighten the front engine mount bolt (A), then install the front engine mount stop (B) and vacuum hose (C).

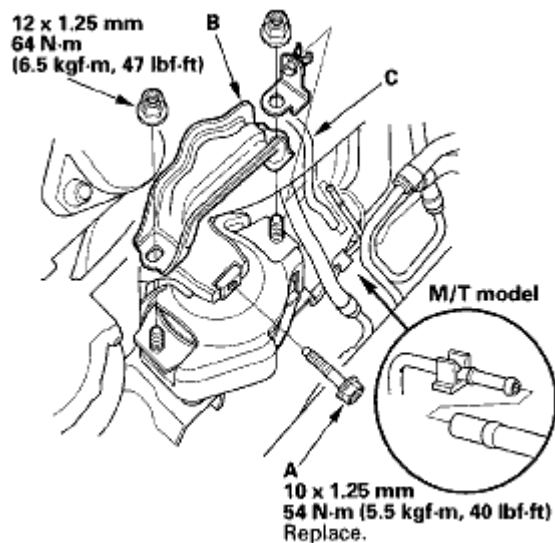


Fig. 54: Identifying Front Engine Mount Bolt, Engine Mount Stop And Vacuum Hose With Torque Specifications
Courtesy of AMERICAN HONDA MOTOR CO., INC.

22. Loosen the mounting bolts for the upper half of the side engine mount bracket, then retighten them to specified torque.

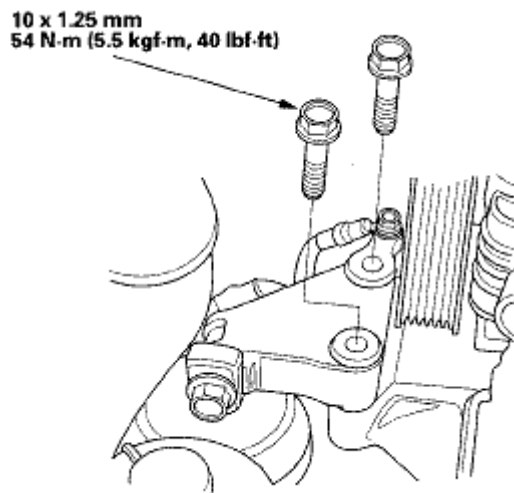


Fig. 55: Identifying Upper Half Of Side Engine Mount Bracket Mounting Bolts With Torque Specifications

Courtesy of AMERICAN HONDA MOTOR CO., INC.

23. Loosen the mounting bolts for the transmission upper mount bracket (A), then retighten the bolts in the numbered sequence shown.

M/T model:

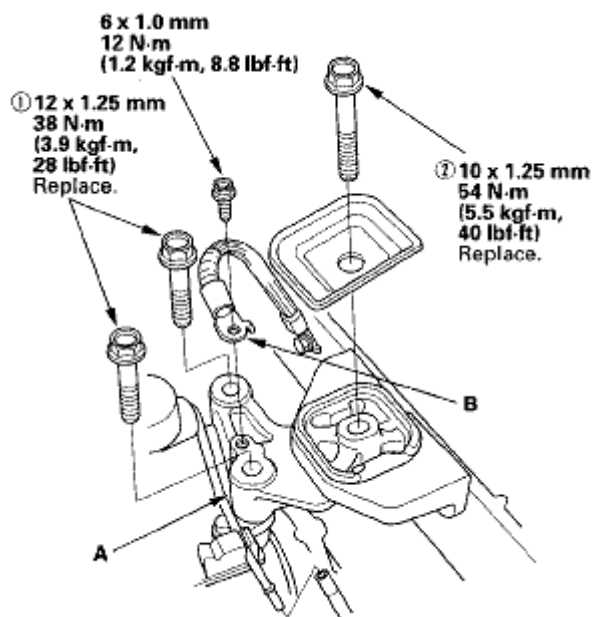


Fig. 56: Identifying Transmission Upper Mount Bracket Bolts - M/T Model With Torque Specifications

Courtesy of AMERICAN HONDA MOTOR CO., INC.

A/T model:

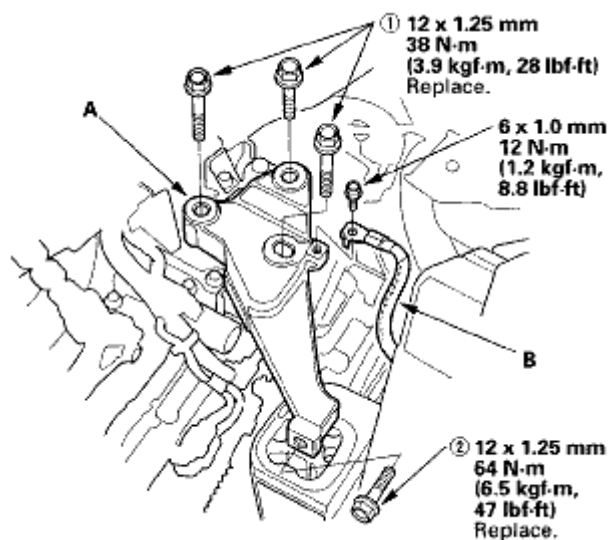


Fig. 57: Identifying Transmission Upper Mount Bracket Bolts - A/T Model With Torque Specifications

Courtesy of AMERICAN HONDA MOTOR CO., INC.

24. Install the ground cable (B).
25. Remove the engine support hanger and engine hanger balance bar.
26. Install the connector bracket to the front cylinder head.

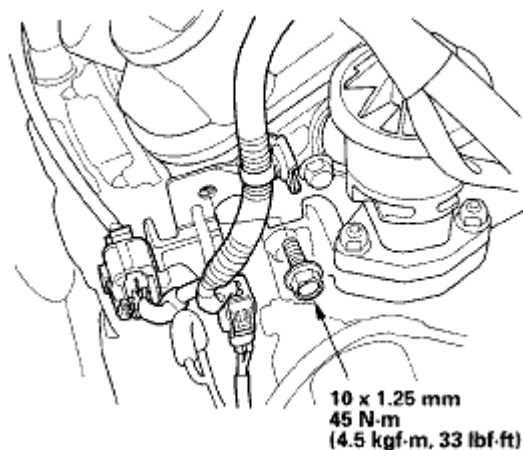


Fig. 58: Identifying Engine Support Hanger And Engine Hanger Balance Bar With Torque Specifications

Courtesy of AMERICAN HONDA MOTOR CO., INC.

27. Install the harness clamp bracket to the rear cylinder head.

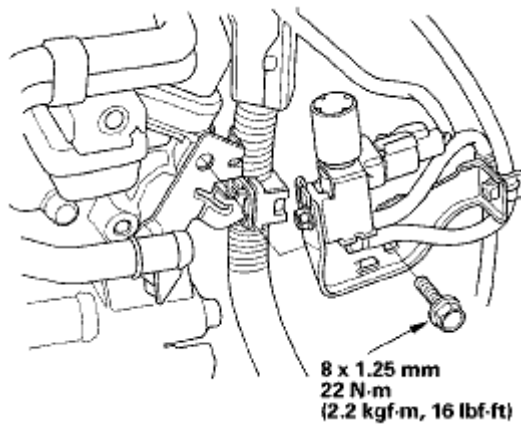


Fig. 59: Identifying Rear Cylinder Head Harness Clamp Bracket With Torque Specifications
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

28. A/T model: Install the ATF cooler hoses to the transmission (see **ATF COOLER HOSE REPLACEMENT**).
29. A/T model: Install the shift cable bracket to the front subframe.

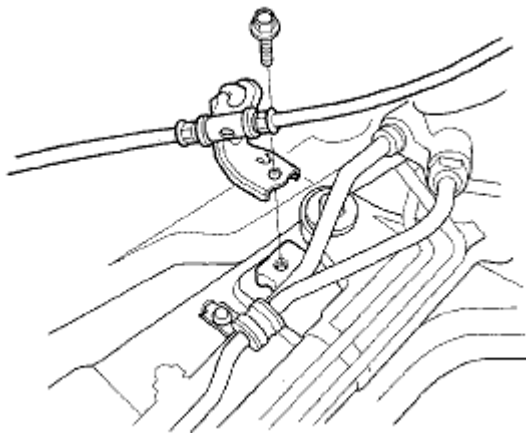


Fig. 60: Identifying Shift Cable Bracket Subframe
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

30. Install the A/C compressor.

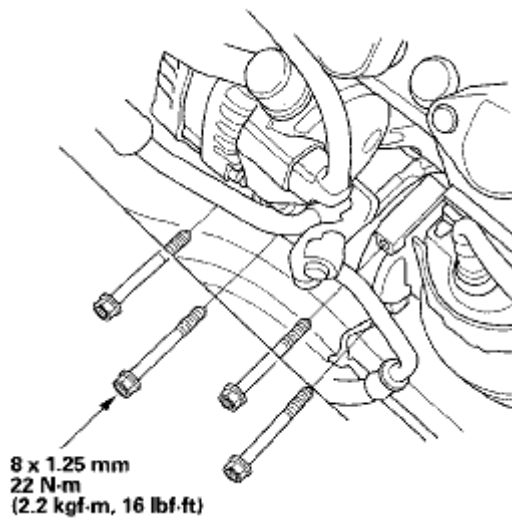


Fig. 61: Identifying A/C Compressor Bolts With Torque Specifications
Courtesy of AMERICAN HONDA MOTOR CO., INC.

31. Install the heater hoses.

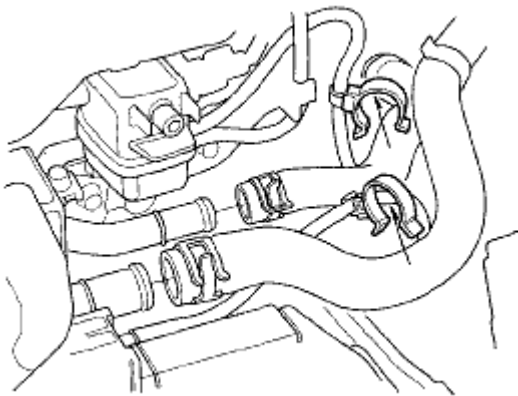


Fig. 62: Identifying Heater Hoses
Courtesy of AMERICAN HONDA MOTOR CO., INC.

32. A/T model: Install the shift cable (see **SHIFT CABLE REPLACEMENT**).
33. Install the radiator (see **RADIATOR AND FAN REPLACEMENT**).
34. Raise the vehicle on the lift to full height.
35. Connect the power steering pressure switch connector.

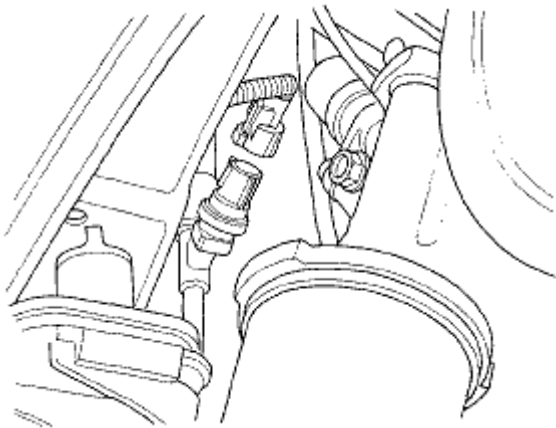


Fig. 63: Identifying Power Steering Pressure Switch Connector
Courtesy of AMERICAN HONDA MOTOR CO., INC.

36. Install the power steering (P/S) hose.

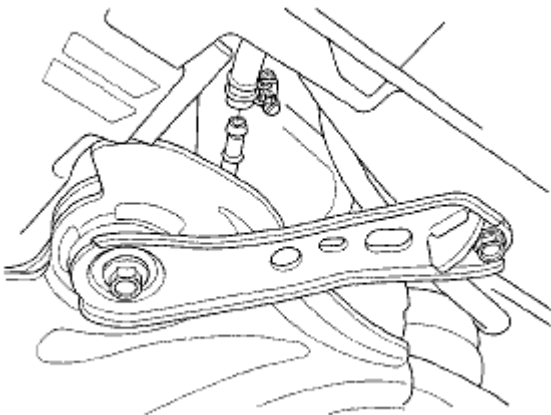


Fig. 64: Identifying Power Steering (P/S) Hose
Courtesy of AMERICAN HONDA MOTOR CO., INC.

37. Install exhaust pipe A using new gaskets (B) and new self locking nuts (C).

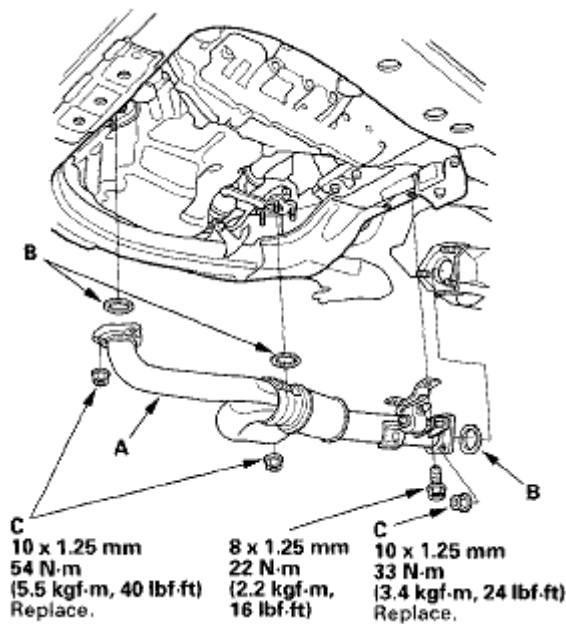


Fig. 65: Identifying Exhaust Pipe And Self Locking Nuts With Torque Specifications
Courtesy of AMERICAN HONDA MOTOR CO., INC.

38. Install a new set ring on the end of each driveshaft, then install the driveshafts. Make sure each ring "clicks" into place in the differential and intermediate shaft.
39. Connect the suspension lower arm ball joints (see step 5 on **LOWER ARM REMOVAL/INSTALLATION**).
40. Connect the tie-rod end ball joints (see step 10 on **KNUCKLE/HUB/WHEEL BEARING REPLACEMENT**).
41. Install the damper fork (see step 2 on **DAMPER/SPRING REMOVAL AND INSTALLATION**).
42. Connect the stabilizer links (see **STABILIZER LINK REMOVAL/INSTALLATION**).
43. Install the splash shield.

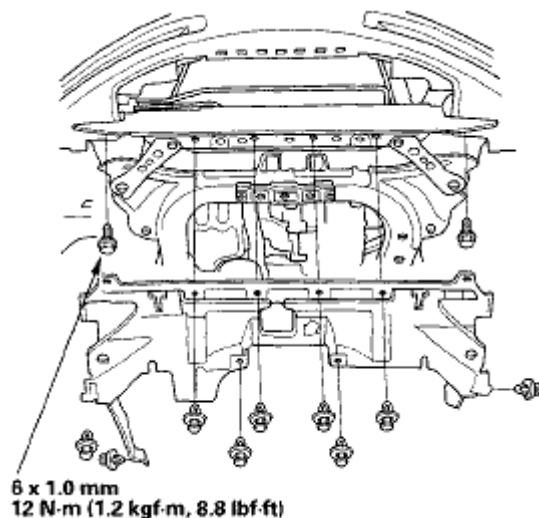


Fig. 66: Identifying Splash Shield Bolts With Torque Specifications
Courtesy of AMERICAN HONDA MOTOR CO., INC.

44. Install the engine under cover.

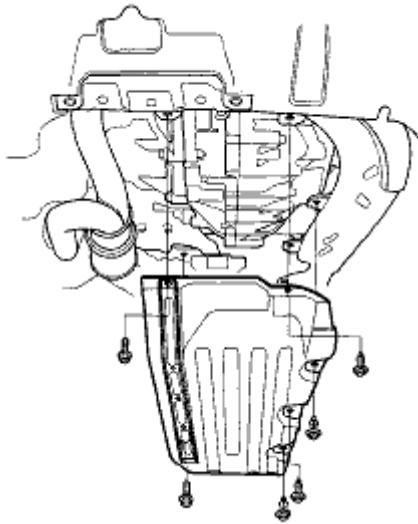


Fig. 67: Identifying Engine Under Cover

Courtesy of AMERICAN HONDA MOTOR CO., INC.

45. Install the front wheels.

NOTE: On J35A8 engine, be careful not to damage or chip the paint of the brake calipers when installing the wheels.

46. Lower the vehicle on the lift.
47. Connect the steering joint to the steering gearbox pinion shaft (A) by aligning the reference mark (B), then remove the wire (C) from the joint yoke (D).

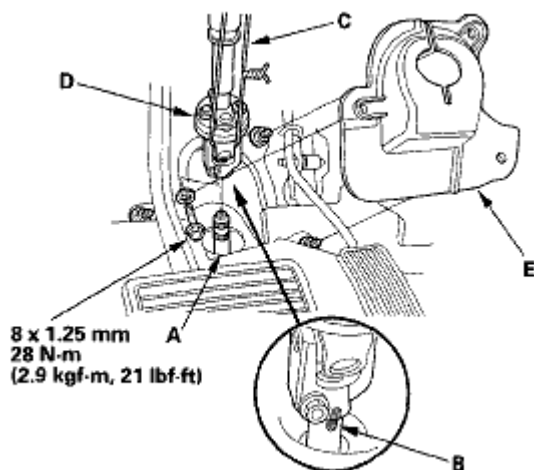


Fig. 68: Identifying Steering Gearbox Pinion Shaft And Reference Mark With Torque Specifications

Courtesy of AMERICAN HONDA MOTOR CO., INC.

48. Install the steering joint cover (E).
49. Install the steering wheel (see **STEERING WHEEL INSTALLATION**).

50. Install the P/S pump outlet hose (A) with a new O-ring (B).

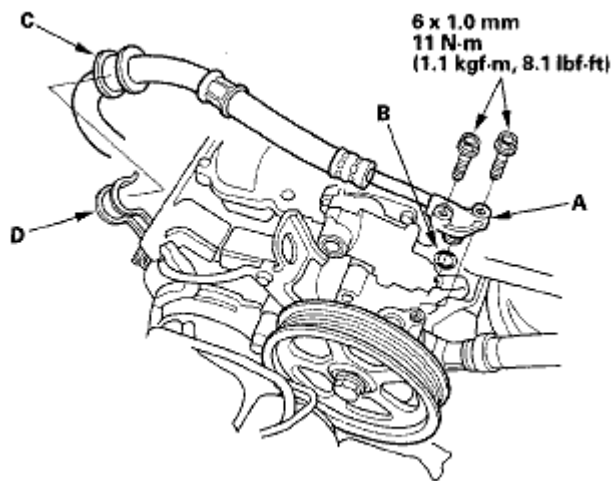


Fig. 69: Identifying P/S Pump Outlet Hose With O-Ring With Torque Specifications
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

51. Install the P/S hose (C) to the clamp (D).
 52. Install the P/S fluid reservoir to the clamp, then install the return hose.

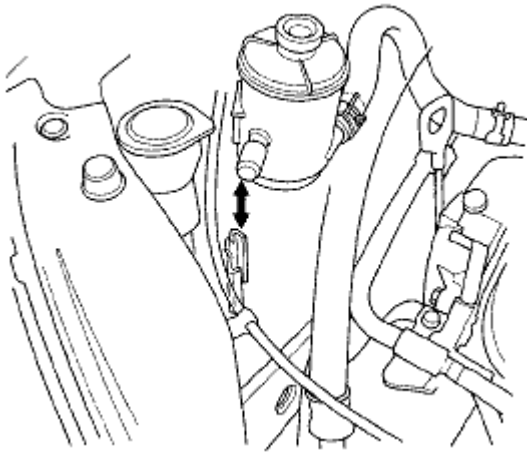


Fig. 70: Installing P/S Fluid Reservoir To Clamp
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

53. Install the drive belt (see **DRIVE BELT REPLACEMENT**).
 54. M/T model: Install the clutch slave cylinder and clutch line bracket mounting bolt (see step 34 on **TRANSMISSION INSTALLATION**).
 55. M/T model: Install the shift cable and select cable, then tighten the three bolts securing the shift cable holder (see step 36 on **TRANSMISSION INSTALLATION**).
 56. Connect the engine wire harness connectors (A), then install the harness clamp (B).

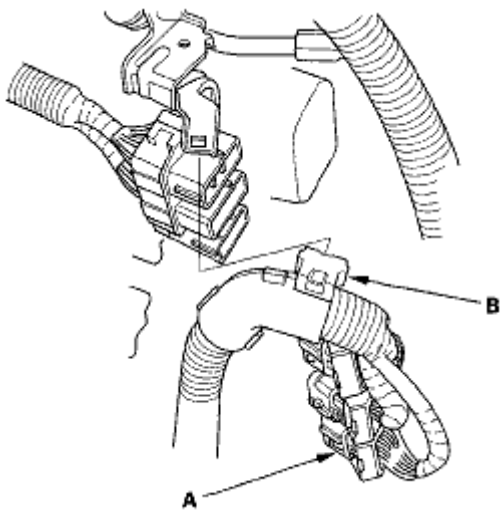


Fig. 71: Identifying Engine Wire Harness Connectors And Clamp
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

57. Connect the fuel feed hose (A) (see **FUEL LINE/QUICK-CONNECT FITTING INSTALLATION**), then install the quick-connect fitting cover (B).

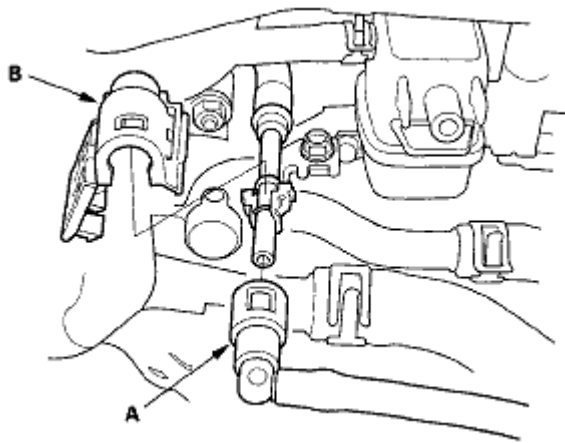


Fig. 72: Identifying Fuel Feed Hose And Quick-Connect Fitting Cover
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

58. Install the brake booster vacuum hose (A) and evaporative emission (EVAP) canister hose (B).

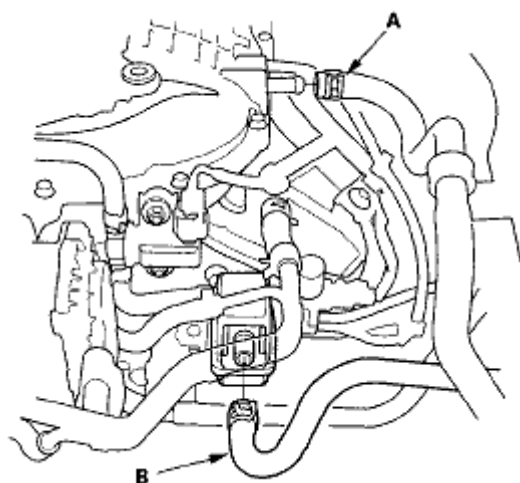


Fig. 73: Identifying Brake Booster Vacuum Hose And Evaporative Emission (EVAP) Canister Hose

Courtesy of AMERICAN HONDA MOTOR CO., INC.

59. Install the strut brace (A), then install the harness clamp (B), and install the two 6 mm bolts (C).

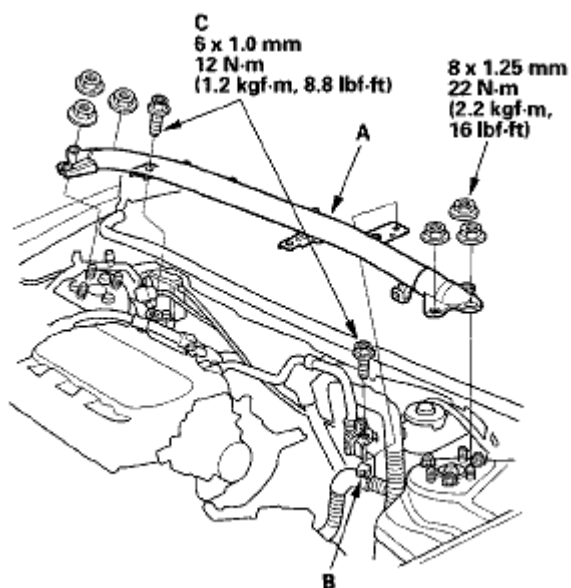


Fig. 74: Identifying Strut Brace And Harness Clamp Bolts With Torque Specifications

Courtesy of AMERICAN HONDA MOTOR CO., INC.

60. Install the under-hood fuse/relay box (A), and connect the harness connector (B).

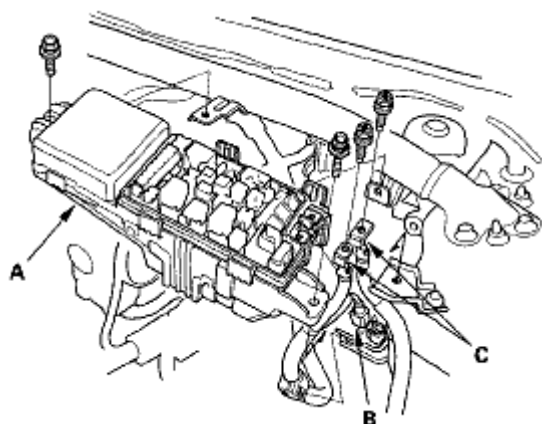


Fig. 75: Identifying Under-Hood Fuse/Relay Box And Harness Connector
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

61. Install the battery cables (C).
62. Install the battery base (A), then install the harness clamps (B).

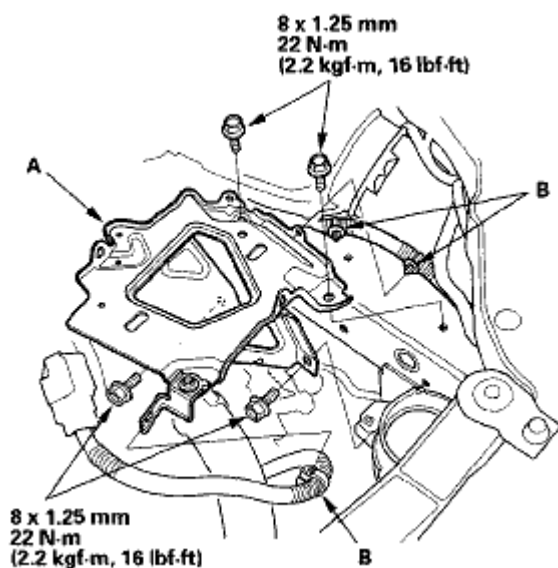


Fig. 76: Identifying Battery Cables And Battery Base With Torque Specifications
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

63. Install the air cleaner assembly (see **AIR CLEANER REMOVAL/INSTALLATION**).
64. Install the intake air duct (A), then install the breather pipe (B).

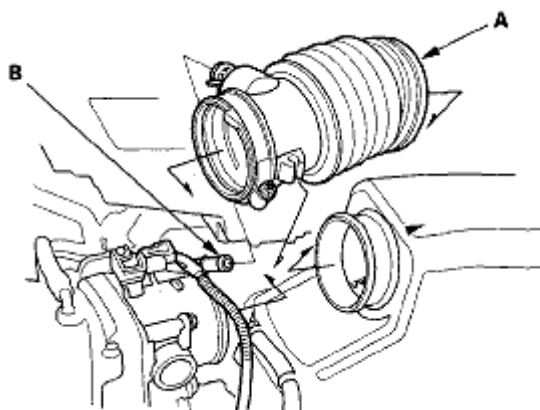


Fig. 77: Identifying Intake Air Duct And Breather Pipe
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

65. Install the engine cover.

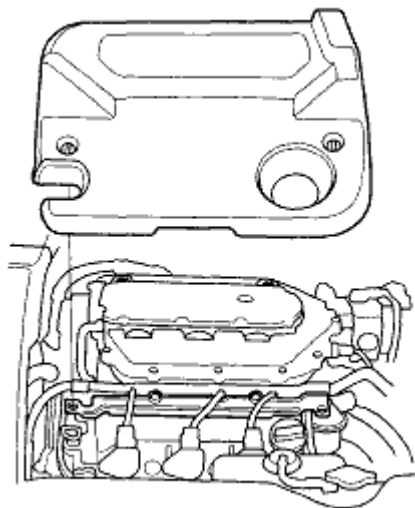


Fig. 78: Identifying Engine Cover
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

66. Install the battery. Clean the battery posts and cable terminals, then assemble them and apply grease to prevent corrosion.
67. A/T model: Move the shift lever to each gear, and verify that the A/T gear position indicator follows the transmission range switch.
68. M/T model: Check that the transmission shifts into gear smoothly.
69. Inspect for fuel leaks. Turn the ignition switch ON (II) (do not operate the starter) so the fuel pump runs for about 2 seconds and pressurizes the fuel line. Repeat this operation three times, then check for fuel leakage at any point in the fuel line.
70. Refill the engine with engine oil (see **ENGINE OIL REPLACEMENT**).
71. Refill the transmission with fluid:
- Manual transmission (see **TRANSMISSION FLUID INSPECTION AND REPLACEMENT**)
 - Automatic transmission (see **ATF REPLACEMENT**)

72. Refill the power steering reservoir with fluid (see **FLUID CHECK/REPLACEMENT**).
73. Refill the radiator with engine coolant, and bleed the air from the cooling system with the heater valve open (see step 8 on **COOLANT REPLACEMENT**).
74. Bleed air from the P/S system. If necessary, add fluid (see **FLUID CHECK/REPLACEMENT**).
75. Check the front wheel alignment. If necessary, adjust it (see **WHEEL ALIGNMENT**).
76. Do the engine control module (ECM)/powertrain control module (PCM) reset procedure (see **ECM/PCM RESET**).
77. Do the ECM/PCM idle learn procedure (see **ECM/PCM IDLE LEARN PROCEDURE**).
78. Do the crankshaft position (CKP) pattern clear/CKP pattern learn procedure (see **CRANK (CKP) PATTERN CLEAR/CRANK (CKP) PATTERN LEARN**).
79. Inspect the idle speed (see **IDLE SPEED INSPECTION**).
80. Inspect the ignition timing (see **IGNITION TIMING INSPECTION**).
81. Install the right rear engine compartment cover (A), then install the right side engine compartment cover (B).

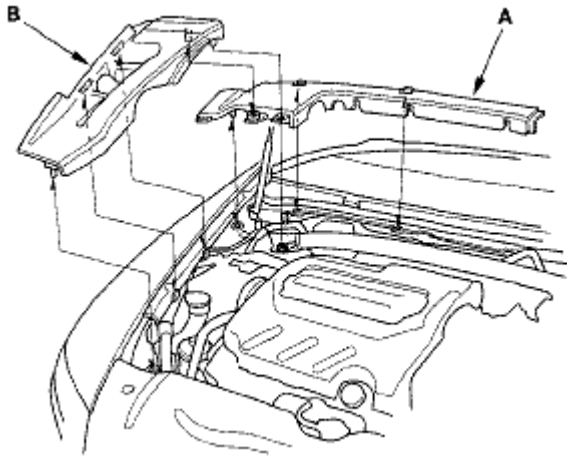


Fig. 79: Identifying Right Rear Engine Compartment Cover And Right Side Engine Compartment Cover

Courtesy of AMERICAN HONDA MOTOR CO., INC.

82. Install the left rear engine compartment cover (A) and the left side engine compartment cover (B).

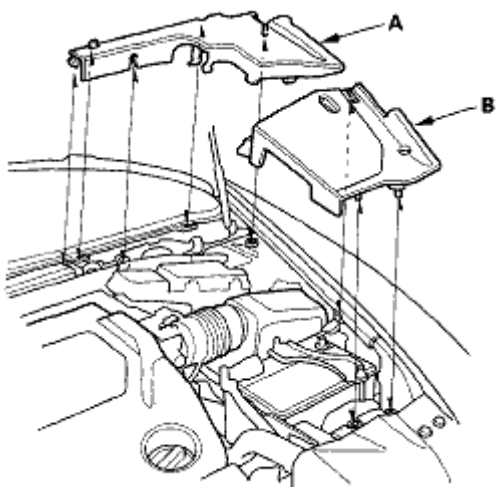


Fig. 80: Identifying Left Rear Engine Compartment Cover
Courtesy of AMERICAN HONDA MOTOR CO., INC.

83. Enter the anti-theft codes for the audio system and the navigation system (if equipped).
84. Set the clock (on vehicles without navigation).

ENGINE MOUNT REPLACEMENT

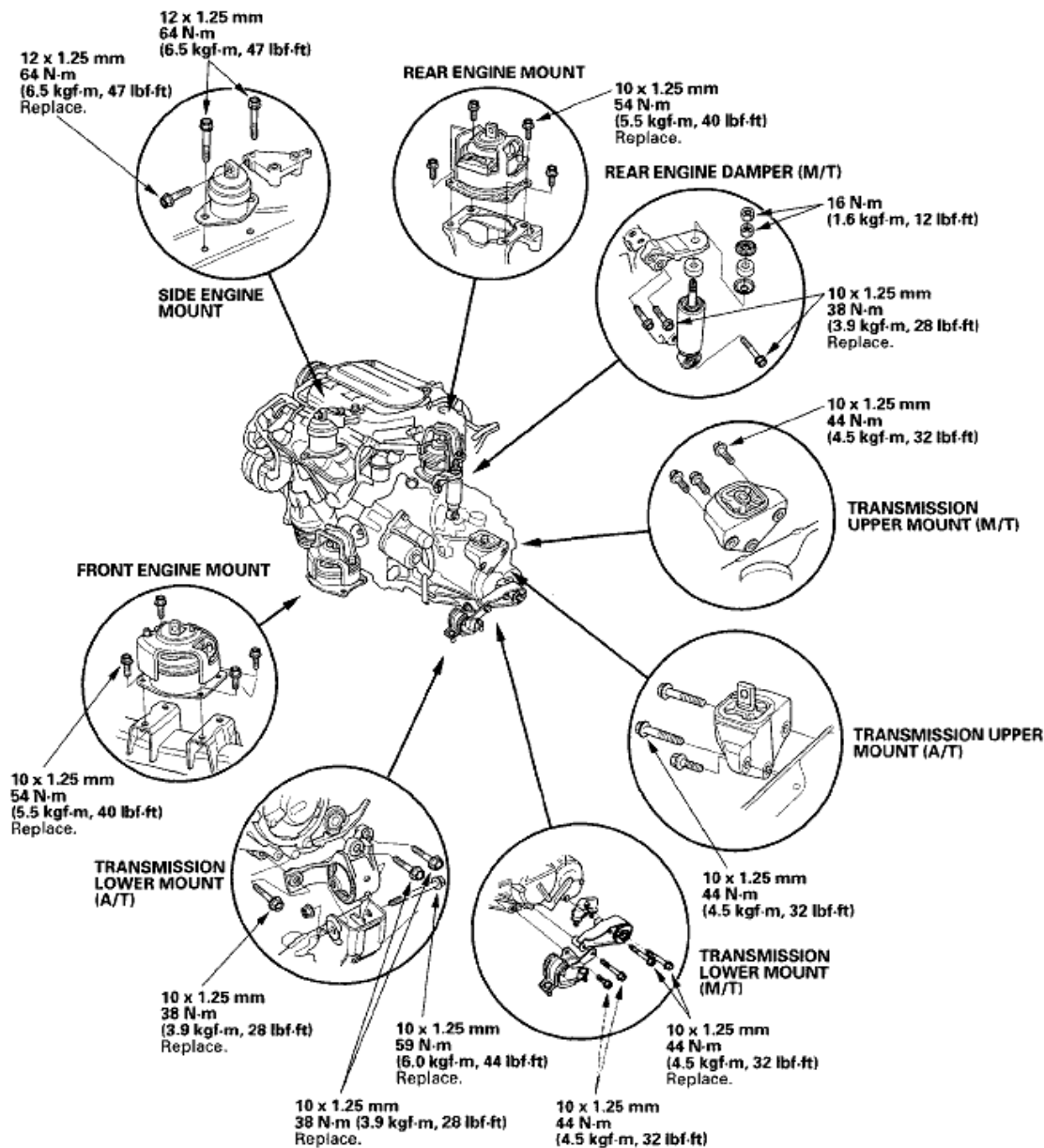


Fig. 81: Identifying Engine Mount Components With Torque Specifications
 Courtesy of AMERICAN HONDA MOTOR CO., INC.