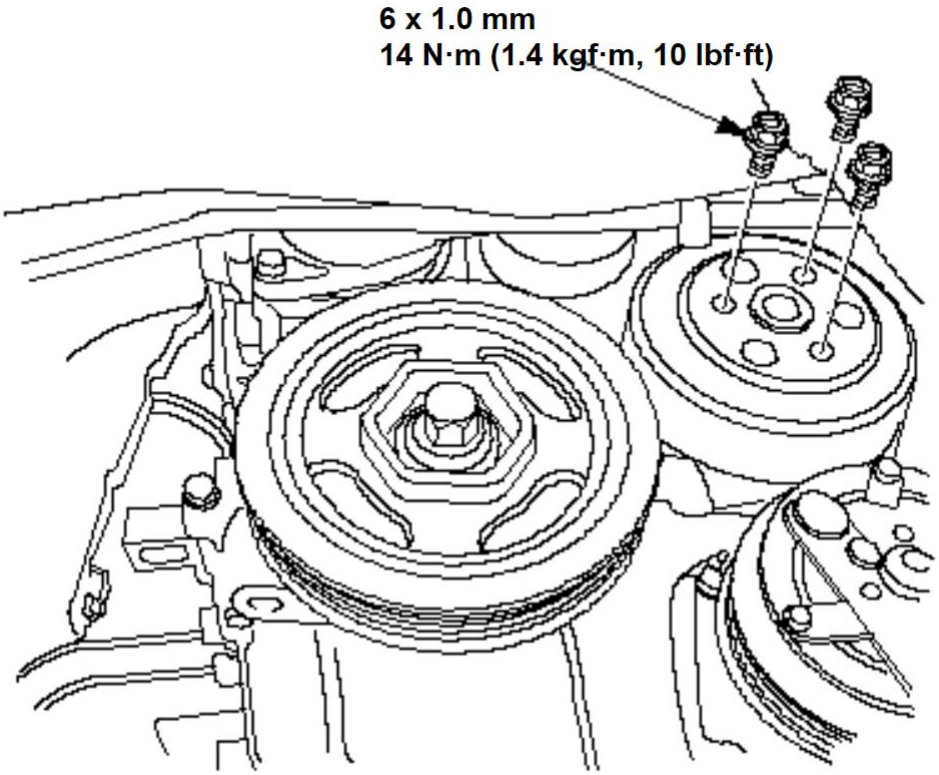
Water Pump Inspection

1. Remove the right front wheel.
2. Remove the right side splash shield.
3. Loosen the water pump pulley mounting bolts.
4. Remove the drive belt.
5. Remove the water pump pulley.



6. Turn the water pump counterclockwise, and make sure that it turns freely. If it doesn't, replace the water pump.

   NOTE: When you check the water pump, you may see a small amount of ‘‘weeping" from the bleed holes (A). This is normal.

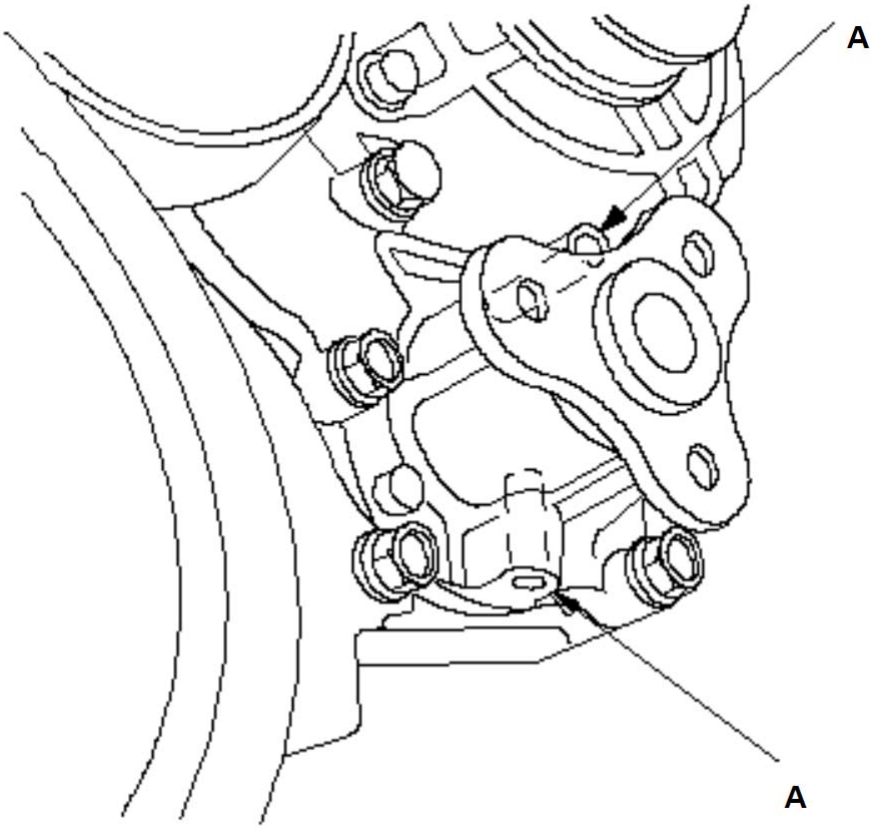
7. Install the water pump pulley.

8. Install the drive belt.

9. Tighten the water pump pulley mounting bolts.

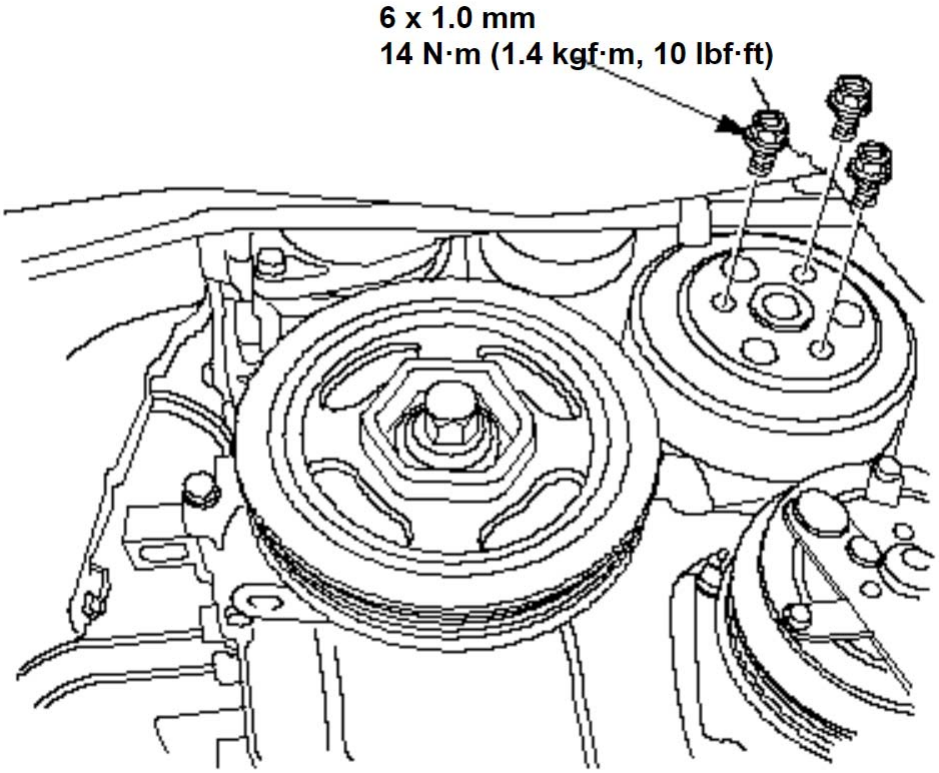
10. Install the right side splash shield.

11. Install the right front wheel.

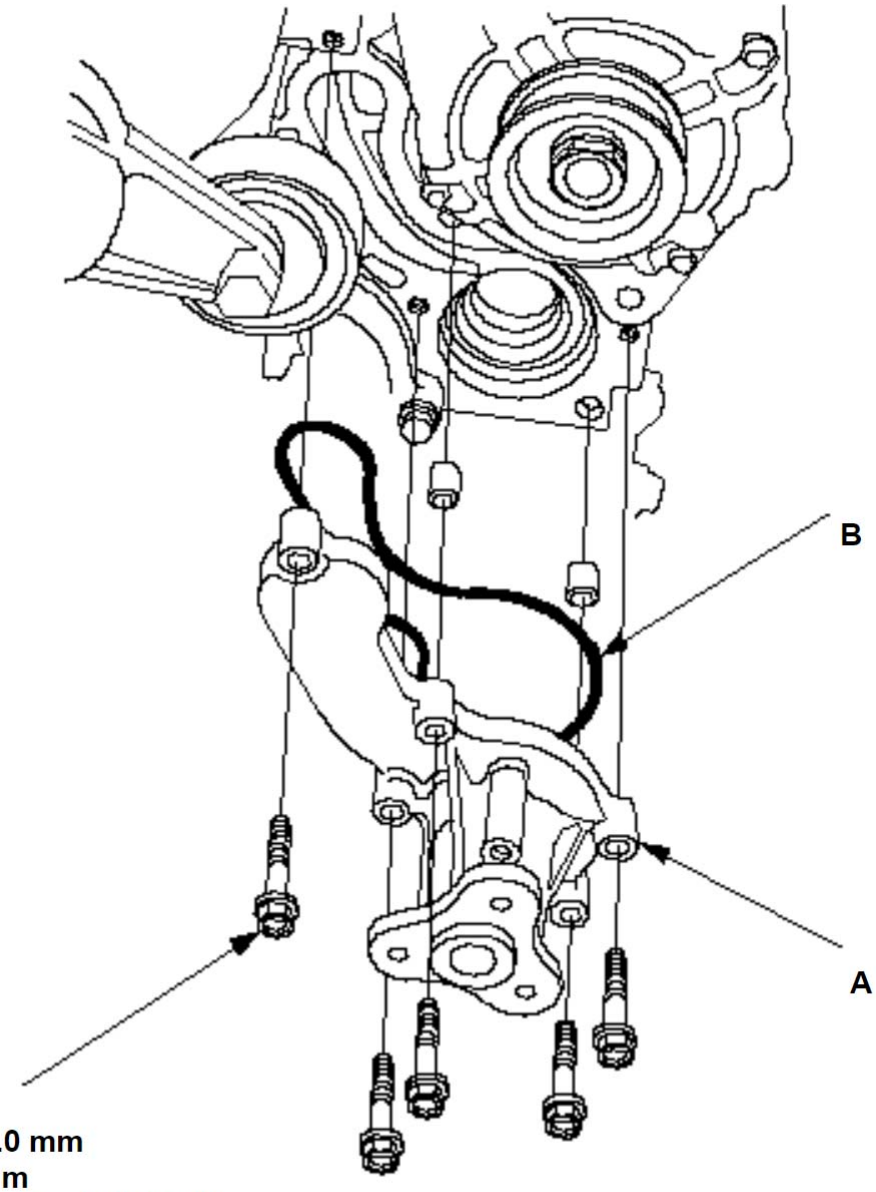


Water Pump Replacement

1. Drain the engine coolant.
2. Remove the right front wheel.
3. Remove the right side splash shield.
4. Loosen the water pump pulley mounting bolts.
5. Remove the drive belt.
6. Remove the water pump pulley.



7. Remove the water pump (A) by removing the five bolts.
8. Inspect, and clean the O-ring groove and the mating surface of the engine block.
9. Install the water pump with a new O-ring (B) in the reverse order of removal.
10. Clean up any spilled engine coolant.
11. Install the water pump pulley.
12. Install the drive belt.
13. Tighten the water pump pulley mounting bolts.
14. Install the right side splash shield.
15. Install the right front wheel.
16. Refill the radiator with engine coolant, and bleed the air from the cooling system with the heater valve open.

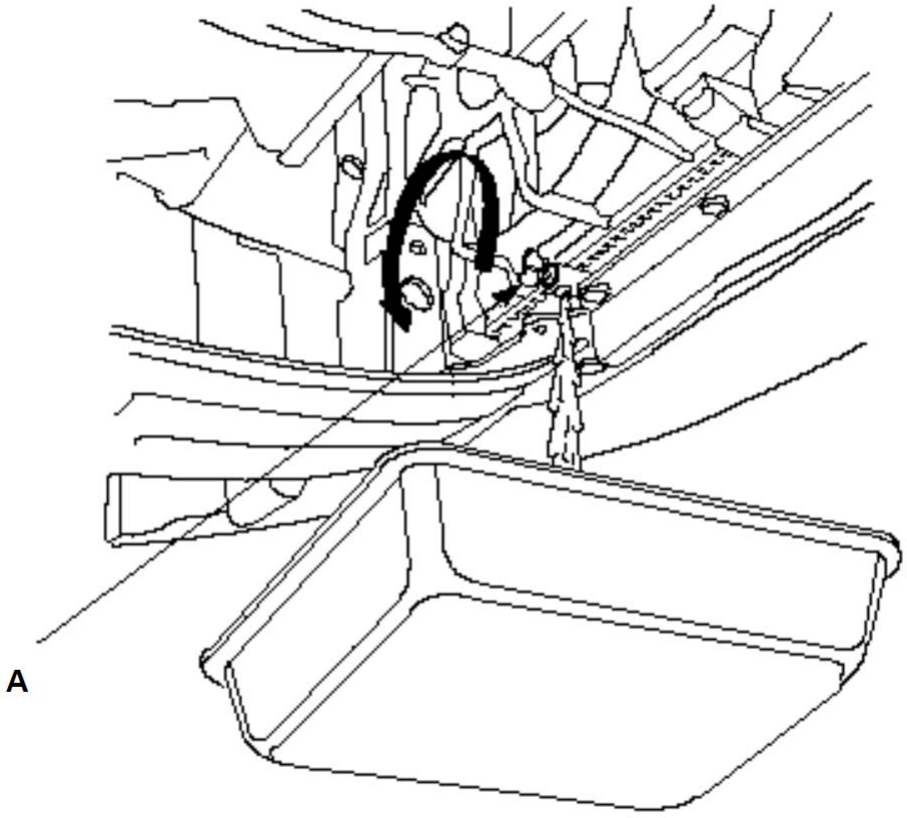

B
A
6 x 1.0 mm
12 N·m
(1.2 kgf·m, 8.8 lbf·ft)

Coolant Replacement

1. Start the engine. Set the heater temperature control dial to maximum heat, then turn the ignition switch to LOCK (0). Make sure the engine and radiator are cool to the touch.

2. Remove the radiator cap.

3. Loosen the drain plug (A), and drain the coolant.

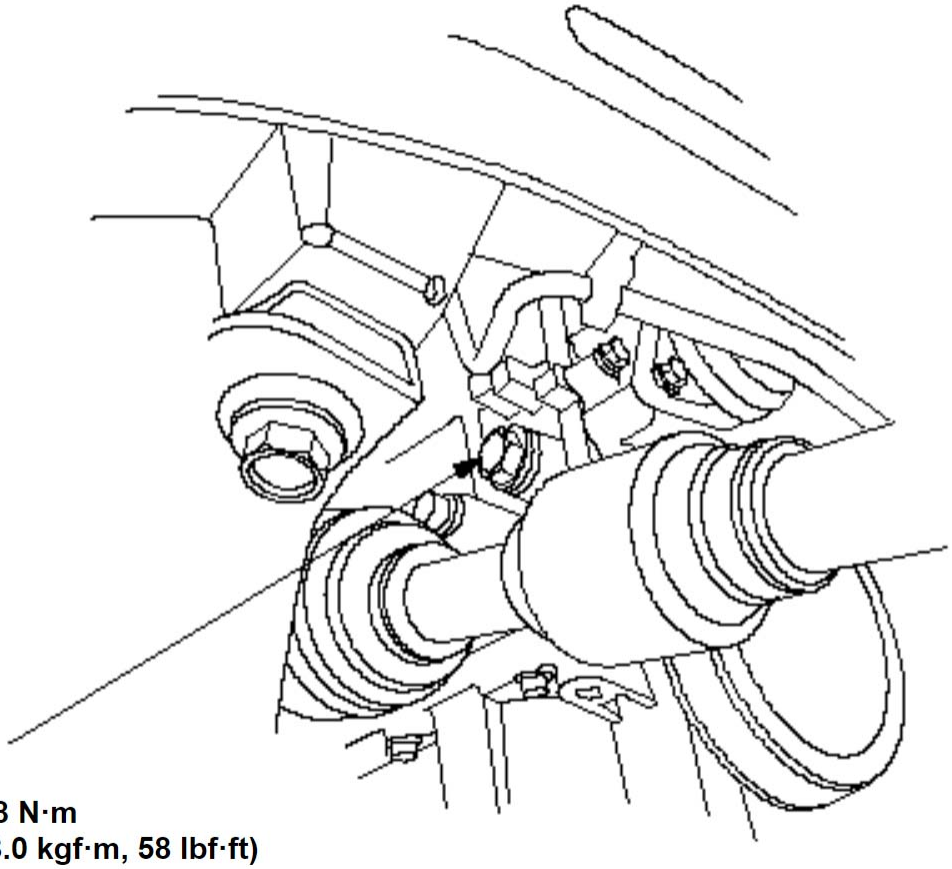


4. Remove the drain bolt (A) located at the rear of the engine block.

5. After the coolant has drained, then reinstall the bolt with a new washer and tighten it securely.

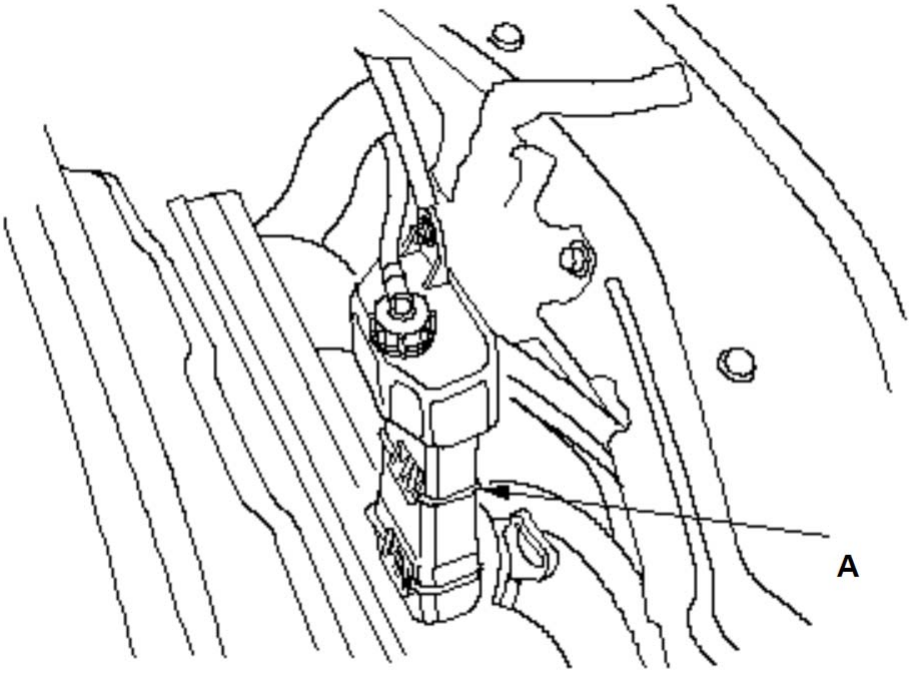
6. Tighten the radiator drain plug securely.

7. Remove, drain, and reinstall the coolant reservoir.



A
78 N·m
(8.0 kgf·m, 58 lbf·ft)

8. Fill the coolant reservoir to the MAX mark (A) with genuine Honda Long Life Antifreeze/Coolant Type 2 (P/N OL999-9001).



9. Pour genuine Honda Long Life Antifreeze/Coolant Type 2 into the radiator up to the base of the filler neck.

   NOTE:

   - Always use genuine Honda Long Life Antifreeze/Coolant Type 2 (P/N OL999-9001). Using a non-Honda coolant can result in corrosion, causing the cooling system to malfunction or fail.
   - Genuine Honda Long Life Antifreeze/Coolant Type 2 is a mixture of 50 % antifreeze and 50 % water. Do not add water.

   Engine Coolant Capacities (Including the coolant reservoir capacity of 0.44 L (0.116 US gal, 0.097 Imp gal)):
   L15A7 engine: M/T model (With heater): At Coolant Change: 4.547 L (1.199 US gal, 0.999 Imp gal)
   After Engine Overhaul: 5.03 L (1.329 US gal, 1.107 Imp gal)
   M/T model (Without heater): At Coolant Change: 4.11 L (1.086 US gal, 0.904 Imp gal)
   After Engine Overhaul: 4.60 L (1.215 US gal, 1.012 Imp gal)
   A/T model (With heater): At Coolant Change: 4.46 L (1.178 US gal, 0.981 Imp gal)
   After Engine Overhaul: 4.95 L (1.308 US gal, 1.089 Imp gal)
   A/T model (Without heater): At Coolant Change: 4.03 L (1.065 US gal, 0.887 Imp gal)
   After Engine Overhaul: 4.52 L (1.195 US gal, 0.994 Imp gal)
   L13Z1 engine: M/T model (With heater): At Coolant Change: 4.53 L (1.197 US gal, 0.997 Imp gal)
   After Engine Overhaul: 5.02 L (1.326 US gal, 1.104 Imp gal)
   M/T model (Without heater): At Coolant Change: 4.10 L (1.083 US gal, 0.902 Imp gal)
   After Engine Overhaul: 4.59 L (1.213 US gal, 1.010 Imp gal)
   A/T model (With heater): At Coolant Change: 4.45 L (1.176 US gal, 0.979 Imp gal)
   After Engine Overhaul: 4.94 L (1.305 US gal, 1.087 Imp gal)
   A/T model (Without heater): At Coolant Change: 4.02 L (1.062 US gal, 0.884 Imp gal)
   After Engine Overhaul: 4.51 L (1.192 US gal, 0.992 Imp gal)

10. Loosely install the radiator cap.

11. Start the engine, and let it run until it warms up (the radiator fan comes on at least twice).

12. Turn off the engine. Check the level in the radiator and add genuine Honda Long Life Antifreeze/ Coolant Type 2, if needed.

13. Put the radiator cap on tightly, then start the engine again, and check for leaks.

14. Clean up any spilled engine coolant.