

Radiator

Engine Coolant Refilling and Bleeding

CAUTION: When pouring engine coolant, be sure to shut the relay box lid and not to let coolant spill on the electrical parts or the paint. If any coolant spills, rinse it off immediately.

1. Set the heater temperature lever or control dial to maximum heat.
2. Remove the engine splash shield.
3. When the radiator is cool, remove the radiator cap. Loosen the drain plug, and drain the coolant.
4. Remove the drain bolt from the rear side of the cylinder block to drain the block and heater.
5. Apply liquid gasket to the drain bolt threads, 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 reservoir. Fill the tank halfway to the MAX mark with water, then up to the MAX mark with anti-freeze.
8. Mix the recommended anti-freeze with an equal amount of water in a clean container.

NOTE:

- Use only genuine Honda anti-freeze/coolant.
- For best corrosion protection, the coolant concentration must be maintained year-round at 50% minimum. Coolant concentrations less than 50% may not provide sufficient protection against corrosion or freezing.
- Coolant concentrations greater than 60% will impair cooling efficiency and are not recommended.

CAUTION:

- Do not mix different brands of anti-freeze/coolants.
- Do not use additional rust inhibitors or anti-rust products; they may not be compatible with the genuine coolant.

Engine Coolant Refill Capacity: including reservoir (0.6 l (0.6 US qt., 0.5 imp qt)) and heater (0.6 l (0.6 US qt., 0.5 imp qt)).

F22A1 engine:

Manual: 3.5 l (3.7 US qt., 3.1 imp qt)
Automatic: 3.4 l (3.6 US qt., 3.0 imp qt)

H23A1 engine:

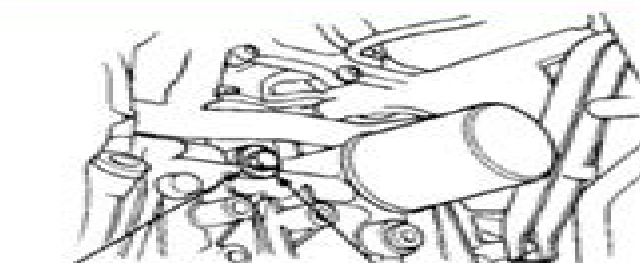
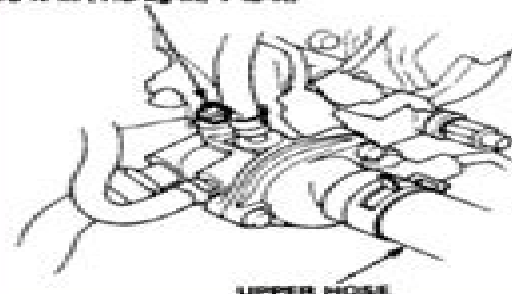
Manual: 3.8 l (4.0 US qt., 3.3 imp qt)
Automatic: 3.7 l (3.9 US qt., 3.3 imp qt)

H22A1 engine:

Manual: 4.0 l (4.2 US qt., 3.5 imp qt)

9. Loosen the air bleed bolt in the thermostat housing, then fill the radiator to the bottom of the filler neck with the coolant mixture. Tighten the bleed bolt as soon as coolant starts to run out in a steady stream without bubbles.

BLEED BOLT
10 N·m (1.0 kg-m, 7 lb-ft)



WASHER
Replace.

DRAIN BOLT
60 N·m (6.0 kg-m, 43 lb-ft)
Apply liquid gasket to the bolt threads when installing.

10. With the radiator cap off, start the engine and let it run until warmed up (Radiator fan goes on at least twice). Then, if necessary, add more coolant mix to bring the level back up to the bottom of the filler neck.
11. Put the radiator cap on tightly, then run the engine again and check for leaks.

Helms Manual

H Kauffman



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The Civil Service Manual for 1880-1881 ,1880 Field Service Manual. Royal Engineers Great Britain. War Office,1910 *Field Service Manual. Army Medical Service. Expeditionary Force* Great Britain. War Office,1913

Manual for field service [afterw.] Field service manual. 1889, 93, 96,97, 99 [4 pts], 1907 [2 pt.], 08 [12 pt.], 09,10 [12 pt.], 11,13 [7 pt.], 14 [5 pt.], 15 [5 pt.], 16 [pt.1]. War office,1889 **AUTOMOBILE CATECHISM AND REPAIR MANUAL: A Series of Questions and Answers Covering the Construction, Care, and Operation of Automobiles ALSO Complete Instructions for Locating Troubles and Making Adjustments and Repairs of All Kinds PREPARED EXPRESSLY FOR Owners, Chauffeurs, Garage Men and Automobile Machinists** CALVIN F.

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