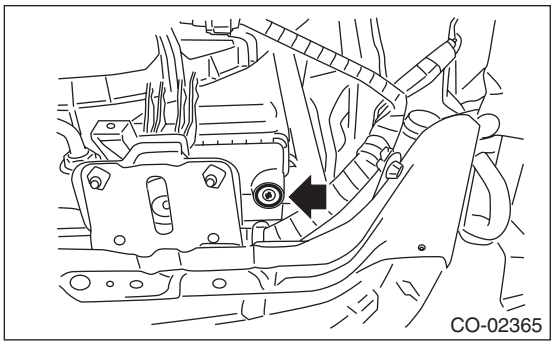
12.Engine Coolant

A: REPLACEMENT

1. REPLACEMENT OF ENGINE COOLANT

WARNING:
The radiator is of the pressurized type. Do not attempt to open the radiator cap immediately after the engine has been stopped.
1) Lift up the vehicle.
2) Remove the under cover.
3) Place a container under drain pipe.
4) Loosen and remove the drain cock to drain engine coolant into container.



5) For quick draining, open the radiator cap.

CAUTION:
If the engine coolant is spilt over exhaust pipe, wipe it off with cloth to avoid emitting smoke or causing a fire.

NOTE:
• For turbo model, be sure to open the radiator cap on the filler tank side.
• Be careful not to spill coolant on the floor.
6) Drain the coolant from reservoir tank.
7) Tighten the radiator drain cock securely after draining coolant.
8) Pour cooling system conditioner through the filler neck.

Cooling system protective agent:
Cooling system conditioner (SOA345001)
9) Pour the engine coolant into the radiator (or the coolant filler tank on turbo models) up to the filler neck position.
10) Fill engine coolant into the reservoir tank up to “FULL” level.

Recommended engine coolant:
Refer to “RM” section. <Ref. to RM-4, COOLANT, RECOMMENDED MATERIALS, Recommended Materials.>

Coolant capacity (fill up to “FULL” level):
Refer to “SPC” section. <Ref. to SPC-4, CAPACITY, Impreza.>

NOTE:
The SUBARU Super Coolant contains anti-freeze and anti-rust agents, and is especially made for Subaru engines with an aluminum cylinder block. Always use SUBARU Super Coolant since other engine coolant may cause corrosion.
11) Close the radiator cap (or the coolant filler tank cap on turbo models), and start the engine. Race 5 to 6 times at 3,000 rpm or less, then stop the engine. (Complete this operation within 40 seconds.)
12) Wait for one minute after the engine stops, then open the radiator cap (or the coolant filler tank cap on turbo models). If the engine coolant level drops, add engine coolant into the radiator (or the coolant filler tank on turbo models) up to the filler neck position.
13) Perform the procedures 11) and 12) again.
14) Install the radiator cap (or the coolant filler tank cap on turbo models) and reservoir tank cap properly.
15) Start the engine and operate the heater at maximum hot position and the blower speed setting to “LO”.
16) Run the engine at 2,000 rpm or less until radiator fan starts and stops.

NOTE:
• Be careful with the engine coolant temperature gauge to prevent overheating.
• If the radiator hose becomes hardened with the pressure of engine coolant, air bleeding operation seems to be almost completed.
17) Stop the engine and wait until the engine coolant temperature lowers to 30°C (86°F) or less.
18) Open the radiator cap (or the coolant filler tank cap on turbo models). If the engine coolant level drops, add engine coolant into the coolant filler tank up to the filler neck position and the reservoir tank to “FULL” level.
19) Install the radiator cap (or the coolant filler tank cap on turbo models) and reservoir tank cap properly.
20) Set the heater setting to maximum hot position and the blower speed setting to “LO” and start the engine. Perform racing at 3,000 rpm or less. If the flowing sound is heard from heater core, repeat the procedures from step 16).