

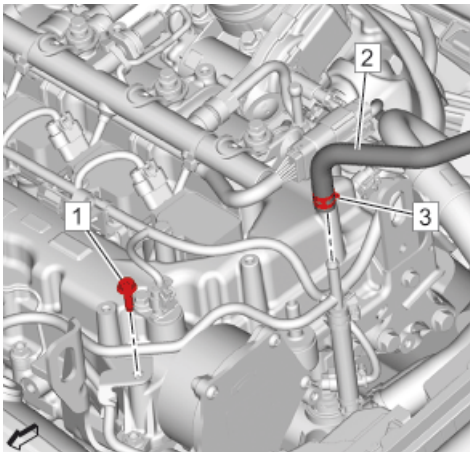
**Turbocharger Coolant Return P...**

**TURBOCHARGER COOLANT RETURN PIPE REPLACEMENT (ENGINE HEATING AND COOLING)**

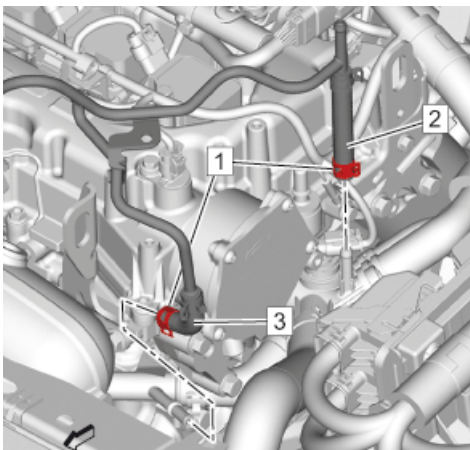
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**TURBOCHARGER COOLANT RETURN PIPE REPLACEMENT (ENGINE HEATING AND COOLING)****Removal Procedure**

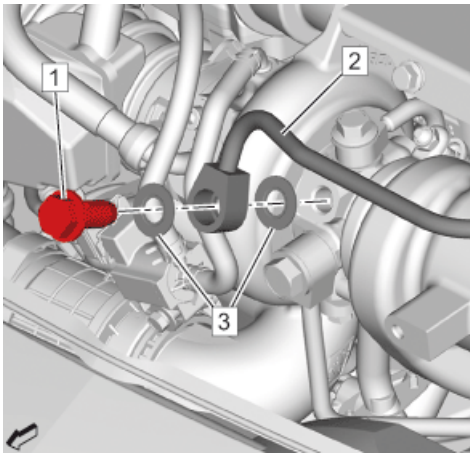
1. [Engine Sight Shield Replacement](#) » Remove
2. [Heated Oxygen Sensor Replacement - Sensor 1](#) or [Heated Oxygen Sensor Replacement - Sensor 1 \(1.4L LE2\)](#) » Disconnect
3. Drain the cooling system. [Cooling System Draining and Filling](#)



4. Turbocharger Coolant Return Pipe Fastener (1) » Remove
5. Engine Coolant Air Bleed Hose Clamp (3) » Loosen — [Hose Clamp Replacement Guidelines - Spring Type](#)
6. Engine Coolant Air Bleed Hose (2) @ Turbocharger Coolant Return Pipe » Remove

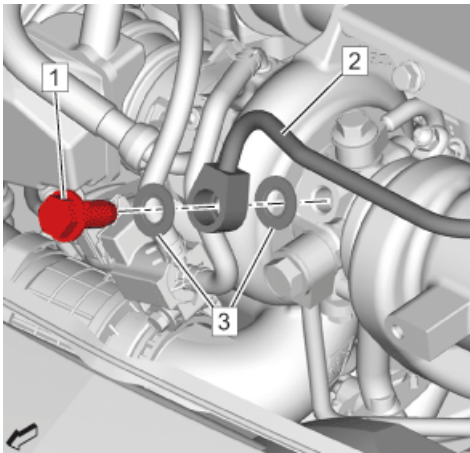


7. Hose Clamp (1) » Loosen [2x] — [Hose Clamp Replacement Guidelines - Spring Type](#)
8. Remove the turbocharger coolant return pipe hose (2) from the water outlet.
9. Remove the turbocharger coolant return pipe hose (3) from the thermostat bypass pipe.

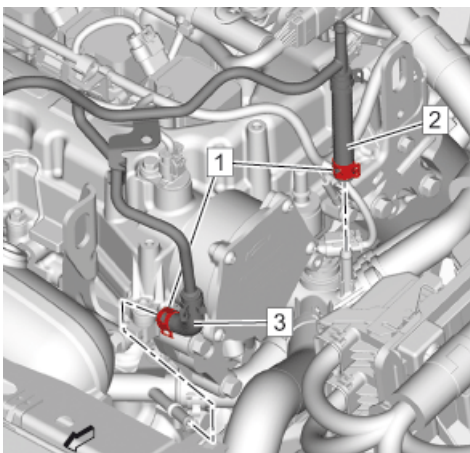


10. Turbocharger Coolant Return Pipe Bolt (1) » Remove
11. Turbocharger Coolant Return Pipe Gasket (3) » Remove and DISCARD [2x]
12. Turbocharger Coolant Return Pipe (2) @ Turbocharger » Remove
13. Remove the turbocharger coolant return pipe from the vehicle.

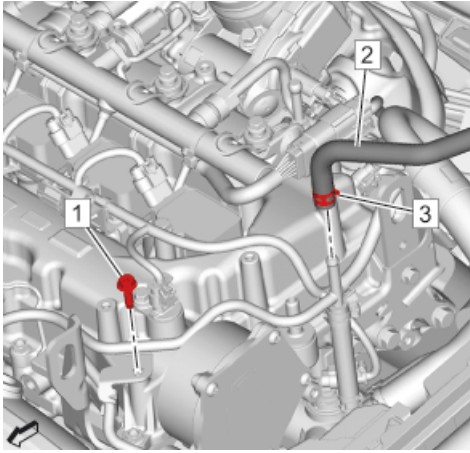
### Installation Procedure



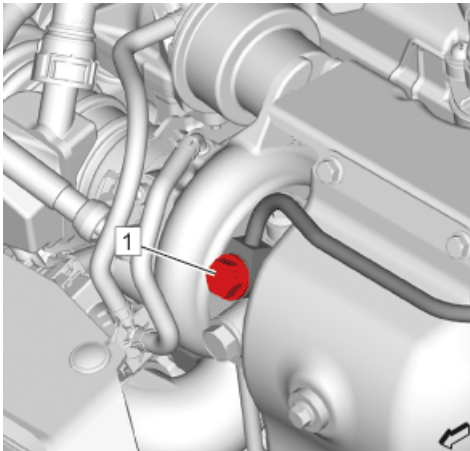
1. Install the turbocharger coolant return pipe (2) to the vehicle.
2. Install NEW gaskets. (3) [2x]
3. Turbocharger Coolant Return Pipe Bolt (1) » Install



4. Install the turbocharger coolant return pipe hose (3) to the thermostat bypass pipe.
5. Install the turbocharger coolant return pipe hose (2) to the water outlet.
6. Hose Clamp (1) » Install [2x] — [Hose Clamp Replacement Guidelines - Spring Type](#)



7. Engine Coolant Air Bleed Hose (2) @ Turbocharger Coolant Return Pipe » Install
8. Engine Coolant Air Bleed Hose Clamp (3) » Install — [Hose Clamp Replacement Guidelines - Spring Type](#)
- Caution:** Refer to [Fastener Caution](#) .
9. Turbocharger Coolant Return Pipe Fastener (1) » Install and tighten **10 N•m (89 lb in)**



10. Turbocharger Coolant Return Pipe Bolt (1) » Tighten **35 N•m (26 lb ft)**
11. Fill the cooling system. [Cooling System Draining and Filling](#)
12. [Heated Oxygen Sensor Replacement - Sensor 1](#) or [Heated Oxygen Sensor Replacement - Sensor 1 \(1.4L LE2\)](#)  
» Connect
13. [Engine Sight Shield Replacement](#) » Install

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