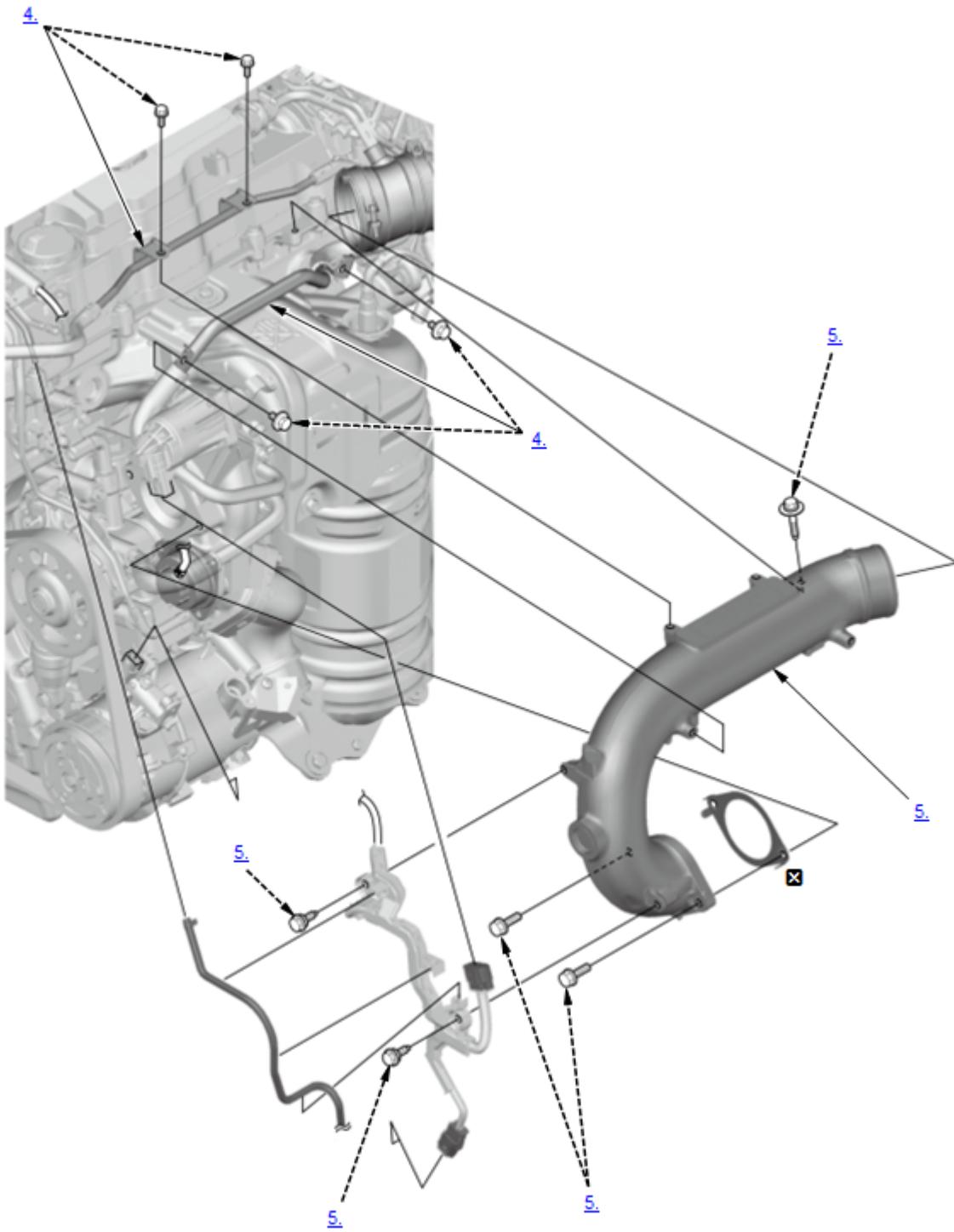


Turbocharger Removal and Installation**Removal**

NOTE:  Where icon is shown, click for further information.

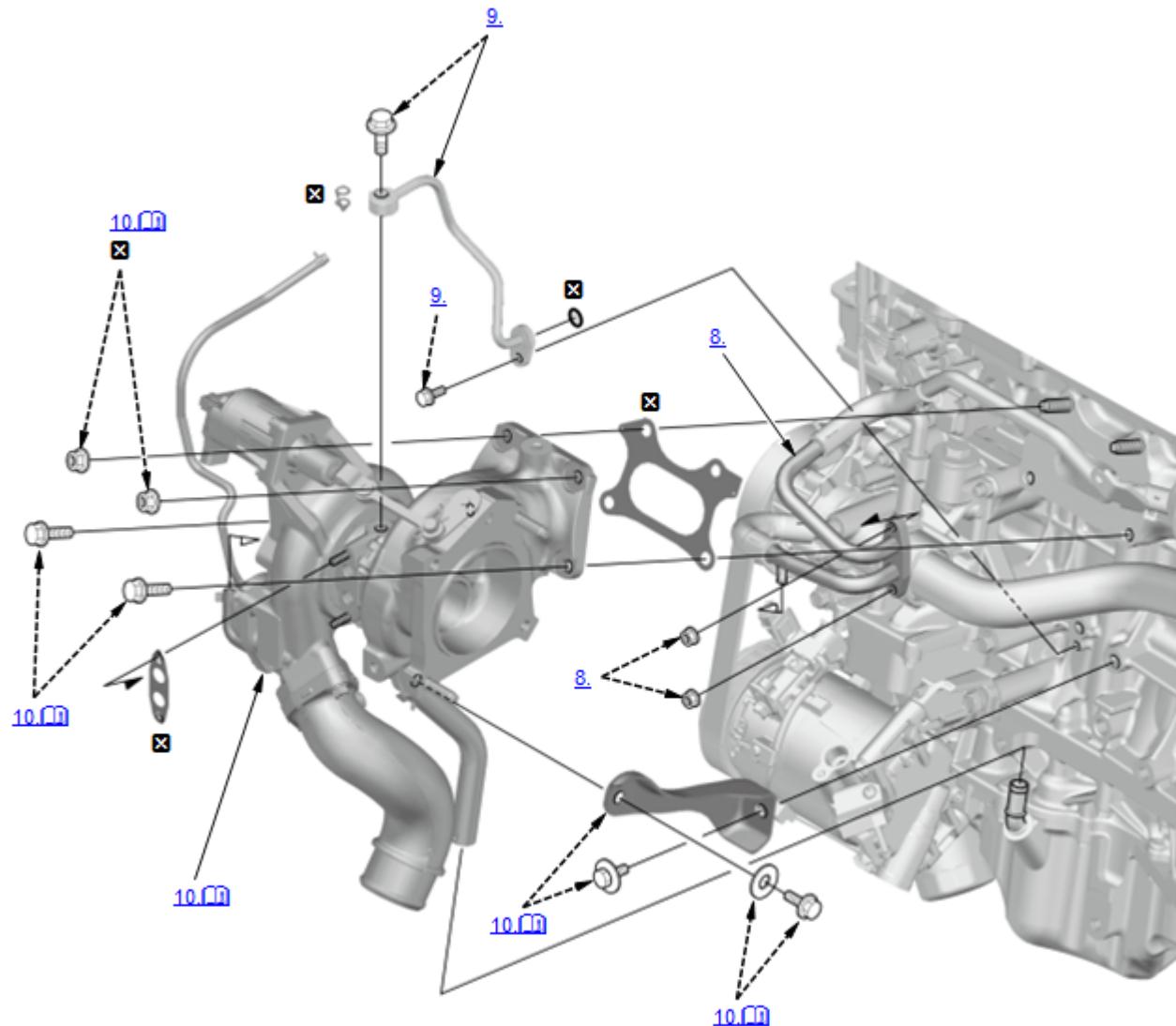
1





Replace

2

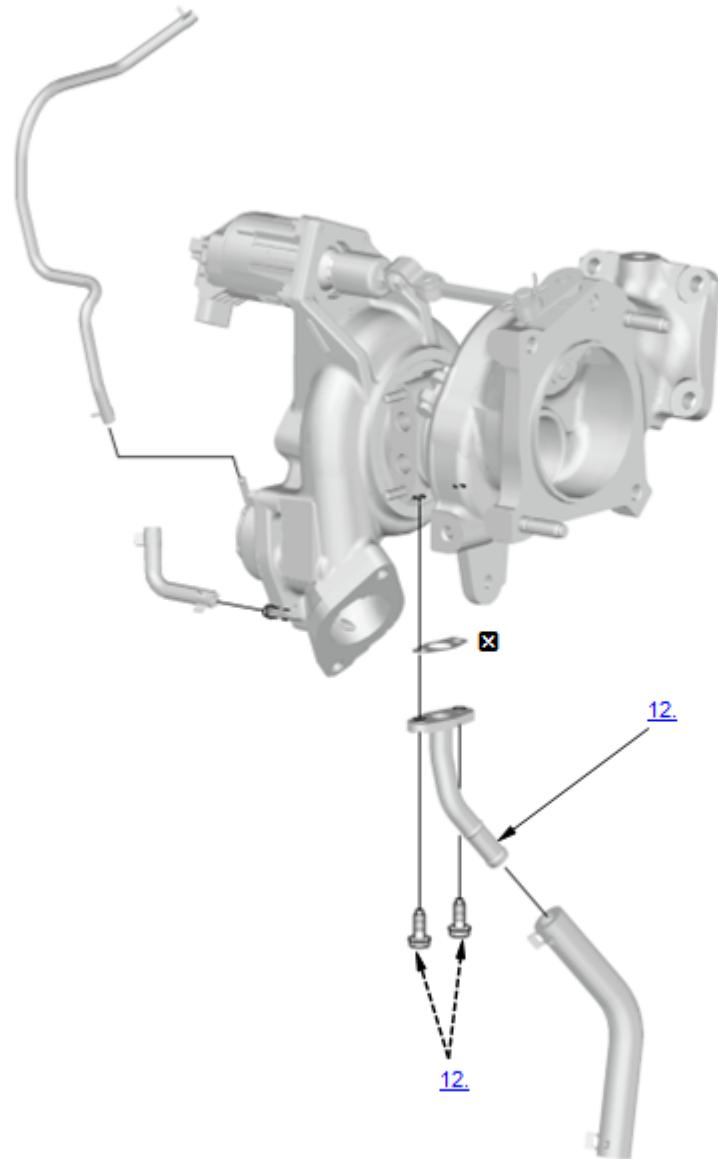


Detailed information, notes, and precautions



Replace

3



Replace

1. Engine Coolant - Drain

2. Engine Cover - Remove

3. A/C Condenser Fan Shroud Assembly - Remove

4. Water Bypass Pipe - Move

5. Turbocharger Inlet Joint Pipe - Remove**6. TWC Assembly - Remove****7. Charge Air Cooler Hose - Disconnect**

NOTE: Remove the necessary part(s).

8. Water Pipe - Move**9. Oil Feed Pipe - Remove****10.Turbocharger - Remove**

NOTE: Do not hold the wastegate control valve rod (A) and the turbocharger wastegate control actuator (B).

**11.Charge Air Cooler Pipe - Remove**

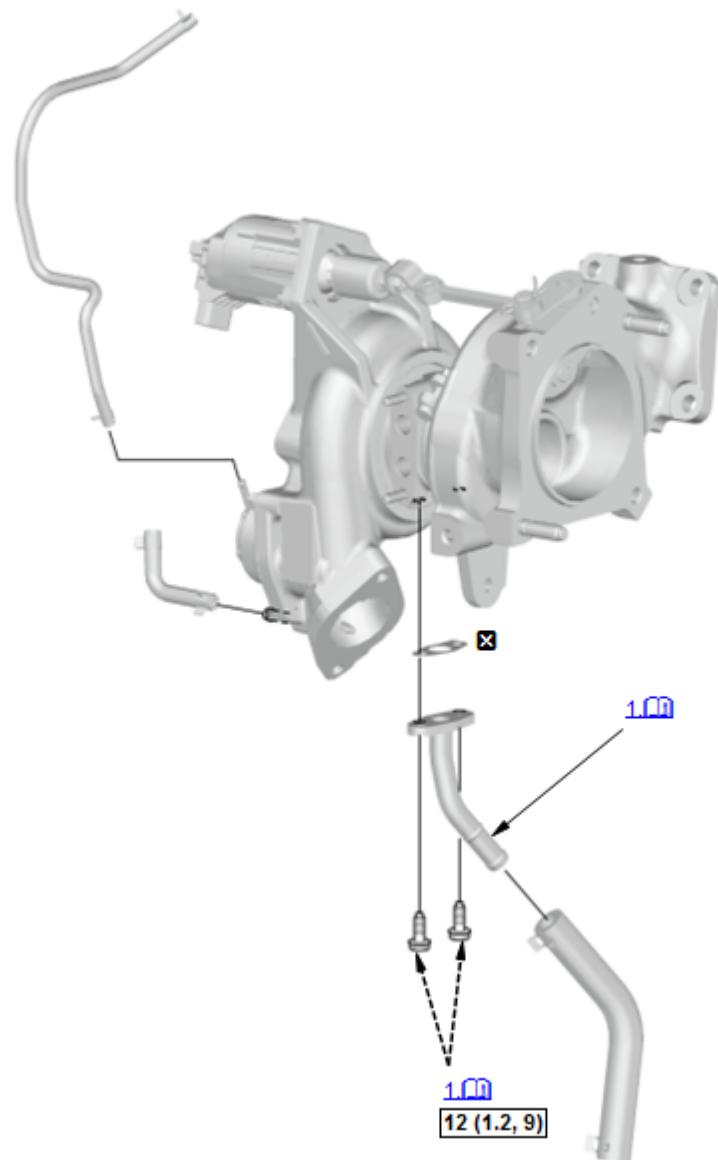
NOTE: Remove the necessary part(s).

12.Oil Return Pipe - Remove

Installation

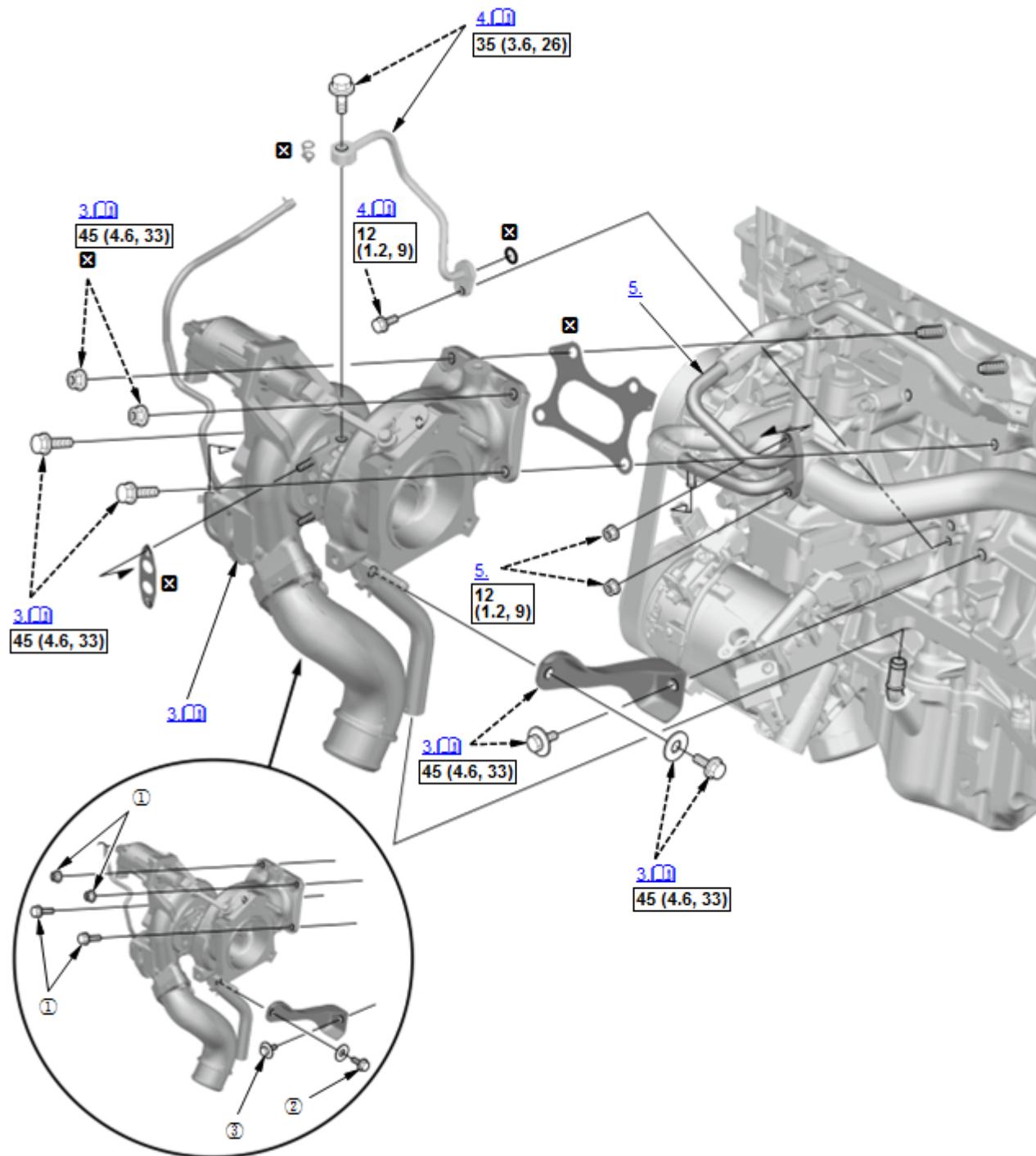
NOTE:  Where icon is shown, click for further information.

1



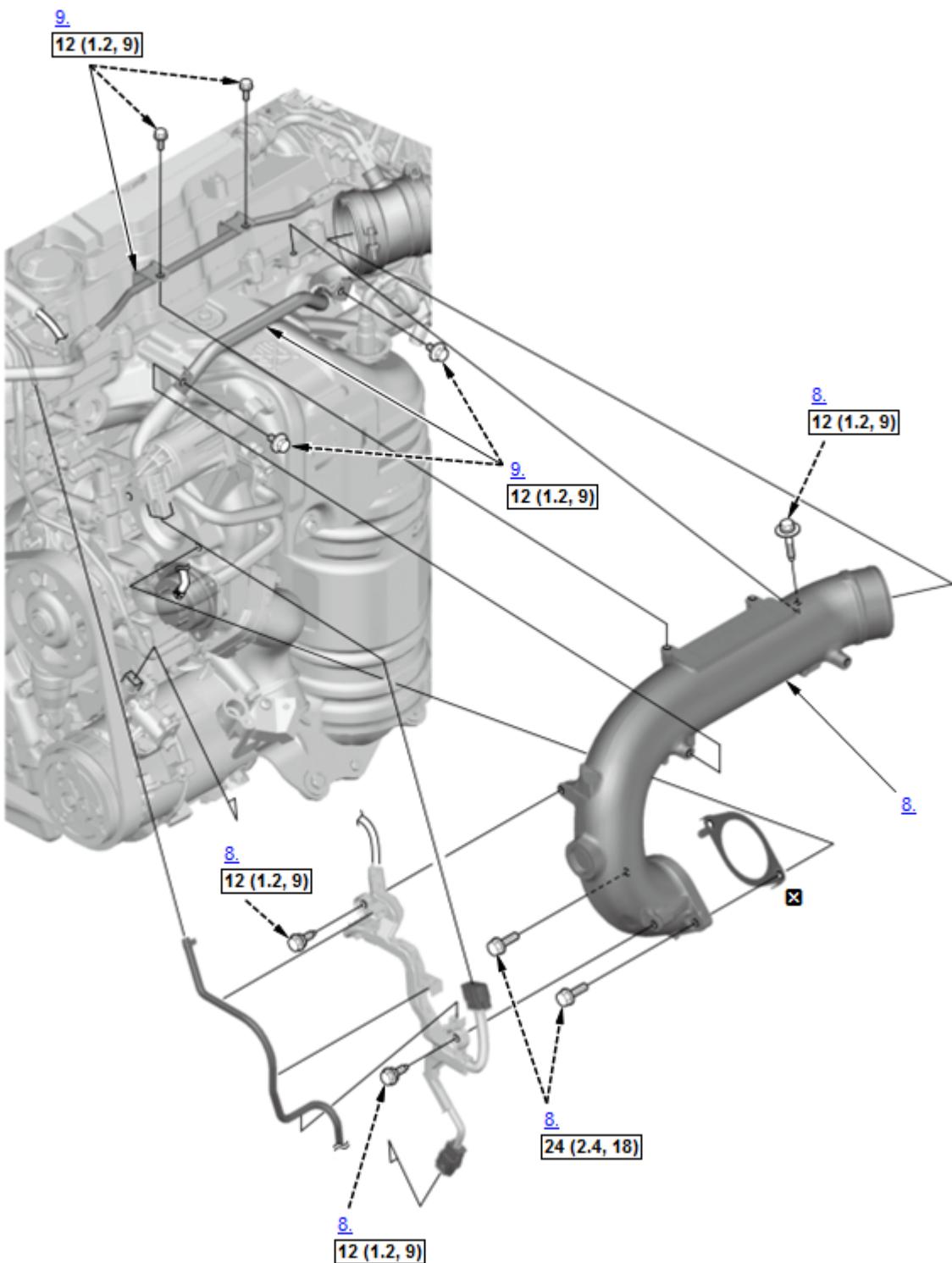
	Detailed information, notes, and precautions
	Torque: N·m (kgf·m, lbf·ft)
	Replace

2



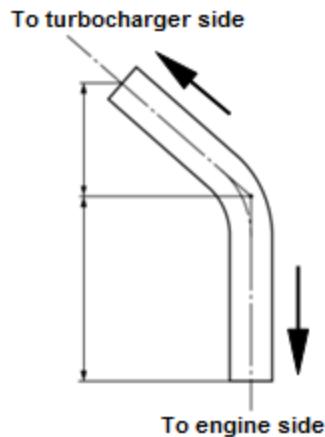
	Detailed information, notes, and precautions
	Torque: N·m (kgf·m, lbf·ft)
	Replace

3



<input type="checkbox"/>	Torque: N·m (kgf·m, lbf·ft)
<input checked="" type="checkbox"/>	Replace

1. Oil Return Pipe - Install

**NOTE:**

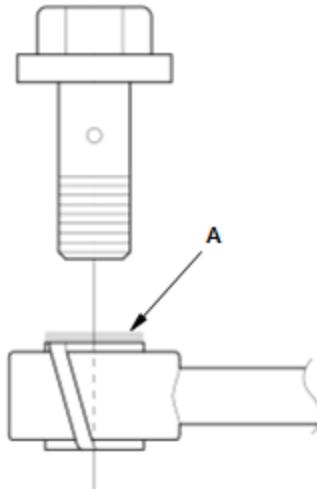
- If removed the oil return hose, install it as shown.
- Apply new engine oil to the inside edge of the oil return hose.

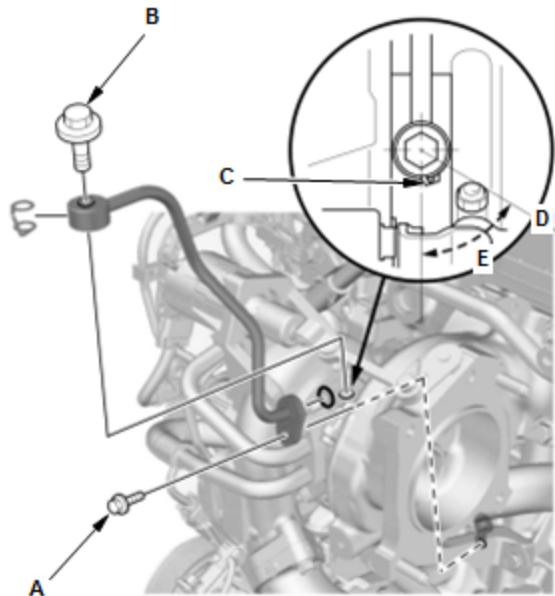
2. Charge Air Cooler Pipe - Install**3. Turbocharger - Install**

NOTE: Tighten the turbocharger/bracket mounting bolts and nuts in the numbered sequence shown.

4. Oil Feed Pipe - Install

1. Apply new engine oil to the top surface (A) of the washer.





2. Tighten the oil feed pipe mounting bolt (A) and the oil feed pipe orifice bolt (B) until the oil feed pipe sit on the turbocharger and the engine block.
3. Tighten the oil feed pipe mounting bolt to the specified torque.
4. Set the washer portion (C) to the direction of D.
5. Tighten the oil feed pipe orifice bolt to the specified torque.
6. Make sure the washer portion is installed on the area (E) as shown.

5. Water Pipe - Install

6. Charge Air Cooler Hose - Connect

NOTE: Make sure to review the hose band precautions before installing the charge air cooler hose(s).

7. TWC Assembly - Install

8. Turbocharger Inlet Joint Pipe - Install

9. Water Bypass Pipe - Install

10.A/C Condenser Fan Shroud Assembly - Install

11.Engine Cover - Install

12.Engine Coolant - Refill

13.Engine Oil Level - Check**Procedure After Replacing Turbocharger****14.PCM - Reset**