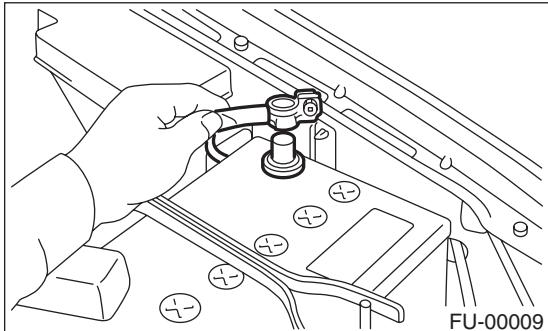


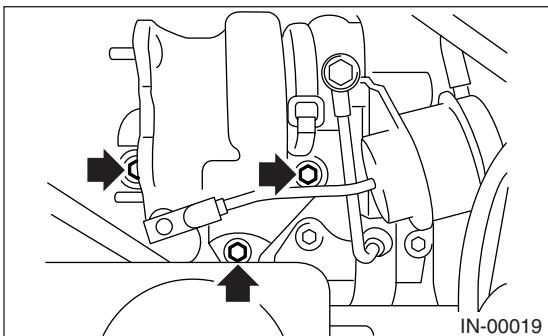
6. Turbocharger

A: REMOVAL

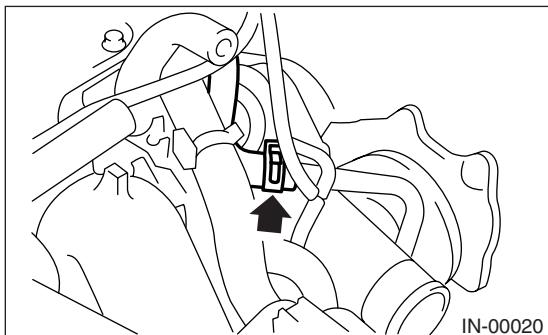
- 1) Set the vehicle on the lift.
- 2) Disconnect the ground terminal from battery.



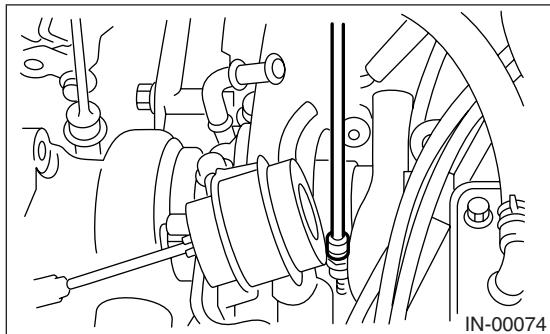
- 3) Remove the center exhaust pipe. <Ref. to EX(H4DOTC)-8, REMOVAL, Center Exhaust Pipe.>
- 4) Lower the vehicle.
- 5) Separate the turbocharger joint pipe from turbocharger.



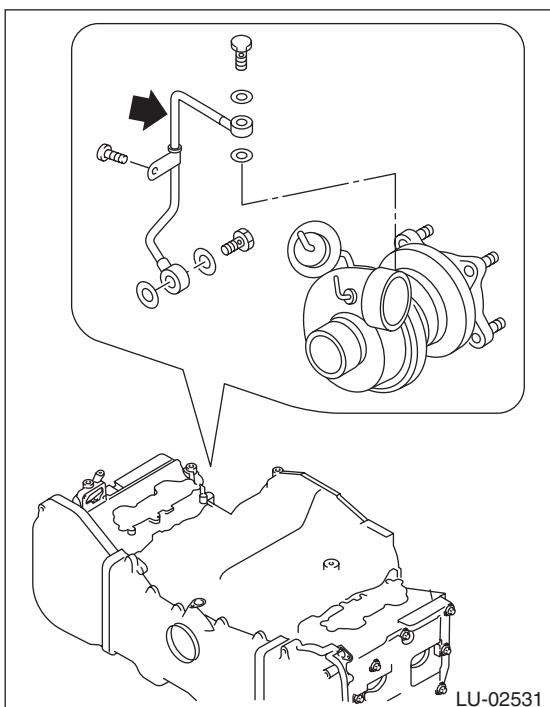
- 6) Disconnect the engine coolant hose which is connected to coolant filler tank.



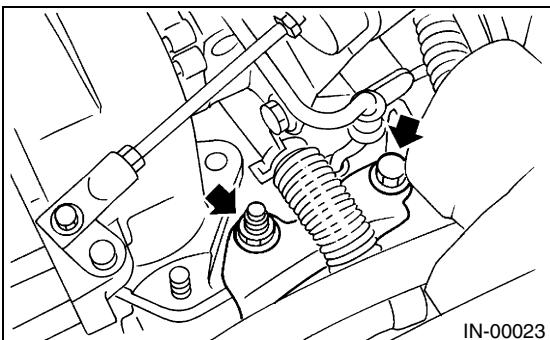
- 7) Loosen the clamp which secures turbocharger to air inlet duct.



- 8) Remove the bolt which secures bracket of oil pipe to turbocharger.
- 9) Remove the oil inlet pipe from turbocharger.



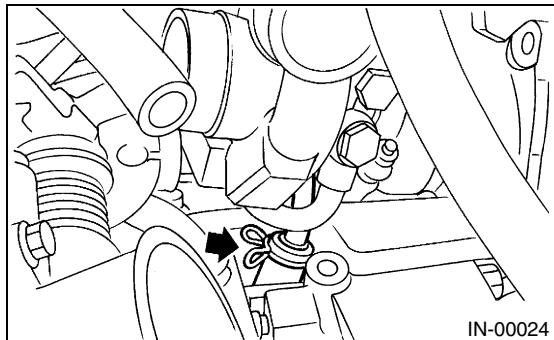
- 10) Remove the turbocharger bracket.



TURBOCHARGER

INTAKE (INDUCTION)

11) Disconnect the oil outlet hose from pipe.



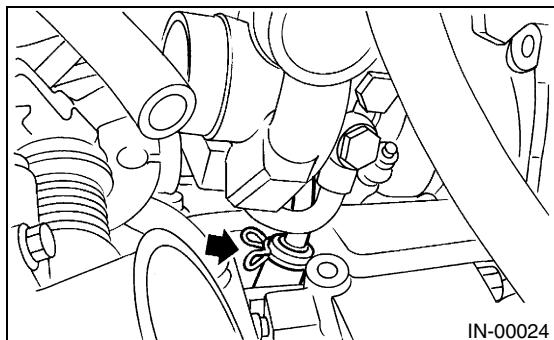
12) Take out the turbocharger from engine compartment.

B: INSTALLATION

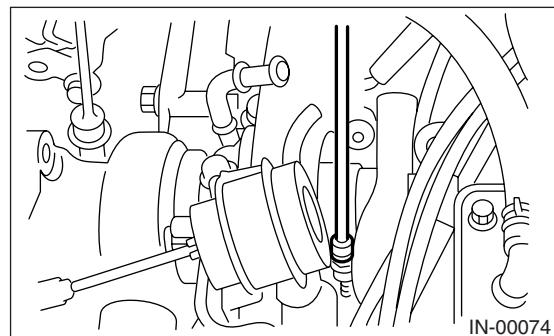
CAUTION:

When replacing the turbocharger, check the filter part of union screw for clogging. <Ref. to LU(H4SO)-22, INSPECTING UNION SCREW WITH FILTER, INSPECTION, Oil Pipe.>

1) Connect the oil outlet hose to outlet pipe.



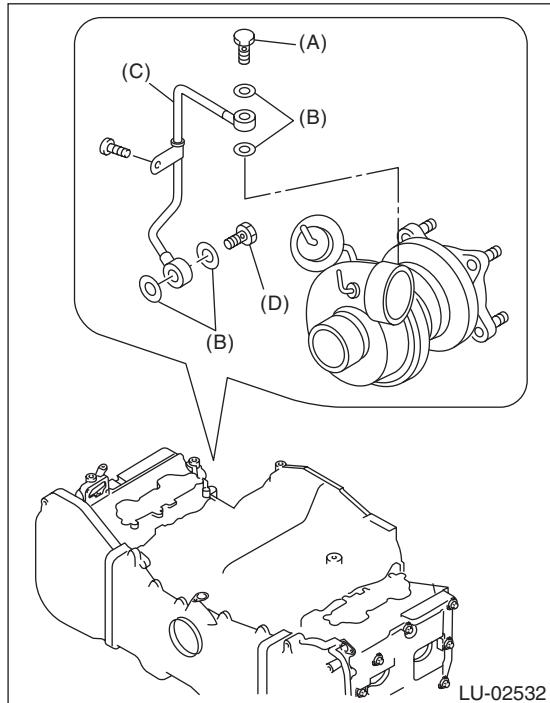
2) Install the turbocharger to air intake duct.



3) Temporarily install the oil pipe.

NOTE:

- Make sure not to mix up the union screws with filter and without filter as their installation positions are different.
- Use a new gasket.



(A) Union screw without filter (without protrusion)

(B) Gasket

(C) Oil inlet pipe

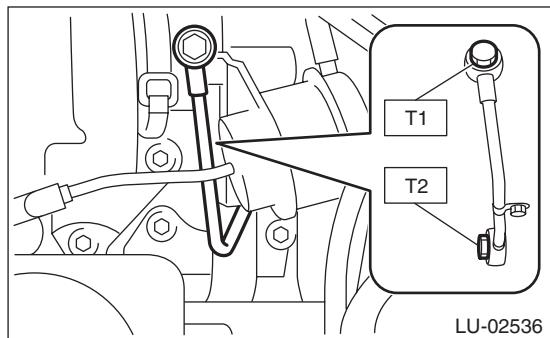
(D) Union screw with filter (with protrusion)

4) Tighten the union screws of oil inlet pipe.

Tightening torque:

T1: 16 N·m (1.6 kgf-m, 11.6 ft-lb)

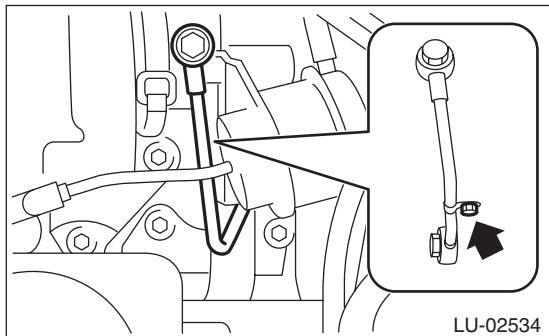
T2: 29 N·m (3.0 kgf-m, 21.7 ft-lb)



5) Tighten the bolts which hold the oil inlet pipe stay to the turbocharger.

Tightening torque:

4.9 N·m (0.50 kgf·m, 3.6 ft-lb)



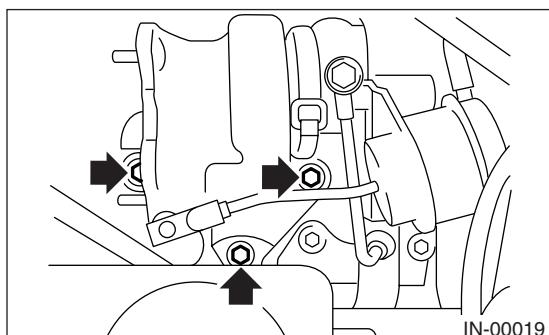
6) Install the joint pipe to turbocharger.

NOTE:

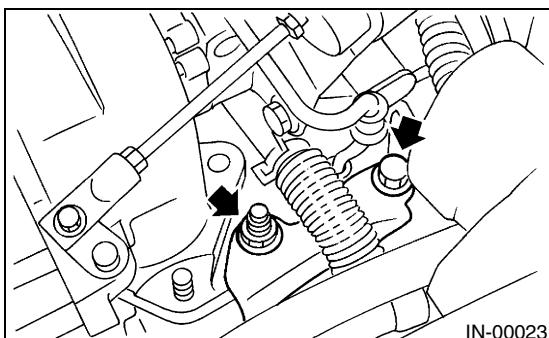
Replace the gasket with a new one.

Tightening torque:

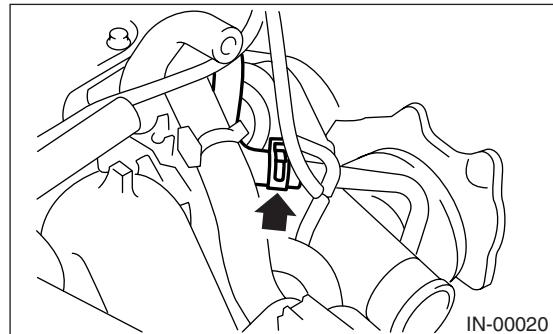
30 N·m (3.1 kgf·m, 22.4 ft-lb)



7) Install the turbocharger bracket.



8) Connect the engine coolant hose which is connected to coolant filler tank.



9) Lift-up the vehicle.

10) Install the center exhaust pipe. <Ref. to EX(H4DOTC)-9, INSTALLATION, Center Exhaust Pipe.>