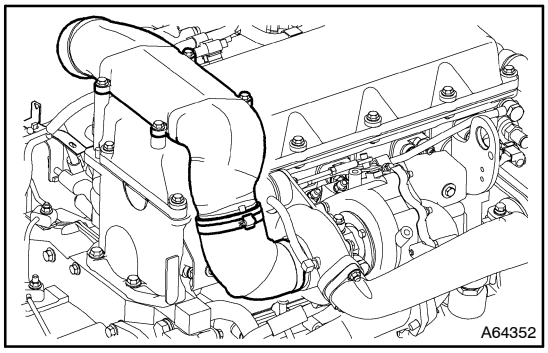
OVERHAUL

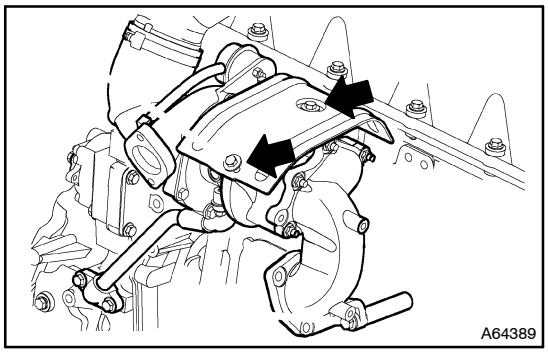
CAUTION:

Do not work on the turbocharger while it is still hot. This could result in personal injury.



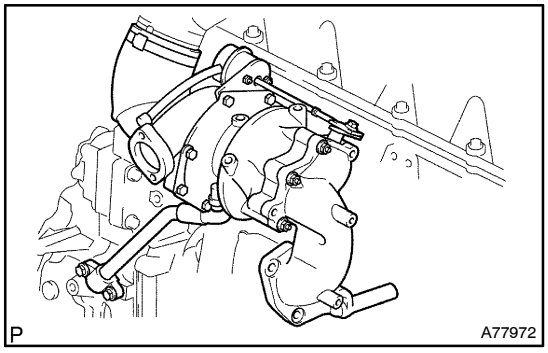
1. REMOVE INTAKE AIR CONNECTOR

(a) Remove the 4 bolts.
(b) Loosen the rubber hoses.
(c) Remove the intake air connector.



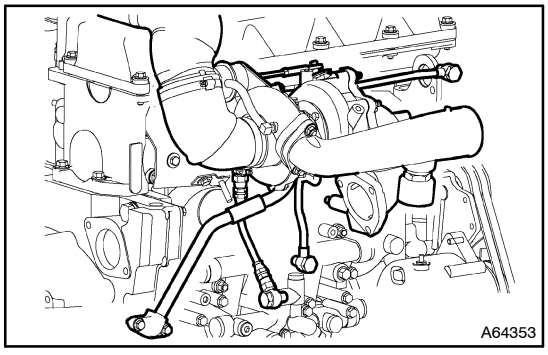
2. REMOVE EXHAUST MANIFOLD HEAT INSULATOR NO.1

(a) Remove the 2 bolts and insulator.



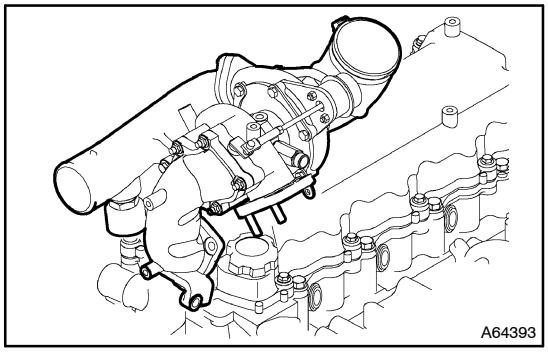
3. REMOVE TURBINE OUTLET ELBOW

(a) Remove the 2 bolts, 5 nuts and outlet elbow.

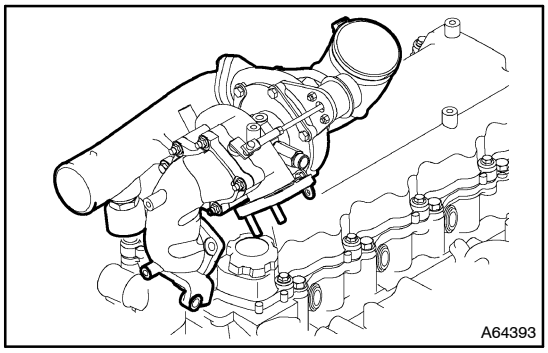


4. REMOVE TURBOCHARGER SUB–ASSY

(a) Remove the clamp bolt and oil inlet pipe.
(b) Remove the water pipes.
(c) Remove the oil outlet pipe.

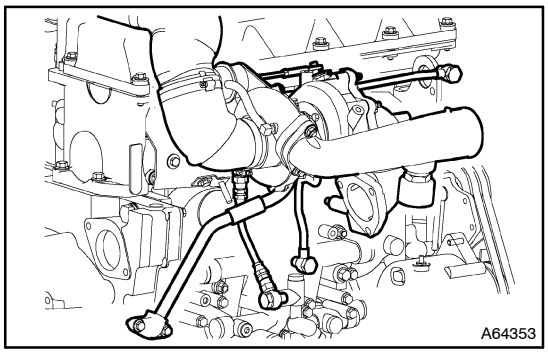


(d) Remove the turbocharger from the exhaust manifold.

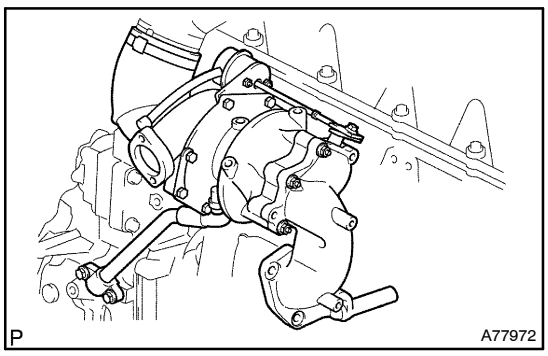


5. INSTALL TURBOCHARGER SUB–ASSY

(a) Install a new gasket and the turbocharger on the 2 bolts exhaust manifold.
Torque: 56 N·m (570 kgf·cm, 41 ft·lbf)

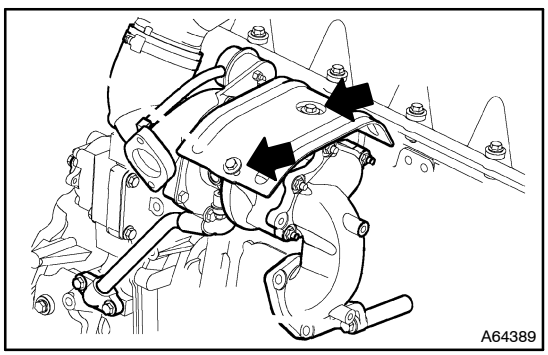


(b) Install the oil outlet pipe.
(c) Install the water pipes.
(d) Install the oil inlet pipe and clamp bolt.



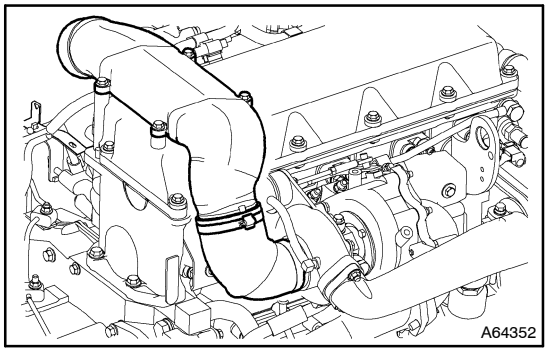
6. INSTALL TURBINE OUTLET ELBOW

(a) Temporarily install the outlet elbow with the bolts and nuts.
(b) Tighten the 2 bolts and 5 nuts.
Torque: 29.5 N·m (300 kgf·cm, 21 ft·lbf)



7. INSTALL EXHAUST MANIFOLD HEAT INSULATOR NO.1

(a) Install the insulator with the 2 bolts.



8. INSTALL INTAKE AIR CONNECTOR

(a) Connect the rubber hoses to the intake pipe.

(b) Install the intake air connector with the bolts.
Torque: 28.5 N·m (290 kgf·cm, 21 ft·lbf)