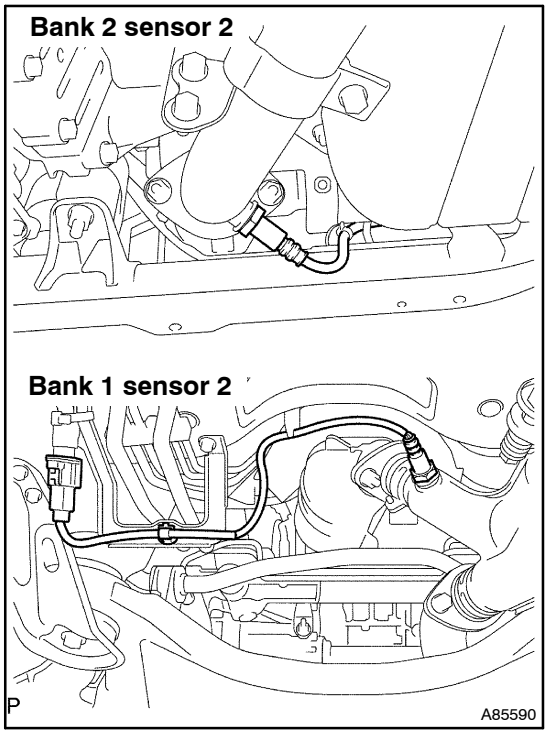
150CH–01

REPLACEMENT

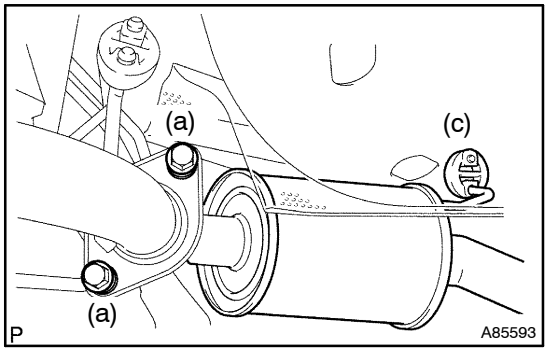
NOTICE:

Check if an old gasket remains on the pipe. If remains, remove it. Check if any bolts or nuts are rusted. If rusted, replace them.



1. REMOVE HEATED OXYGEN SENSOR

(a) Remove the 2 heated oxygen sensors (bank 1, 2 sensor 2).

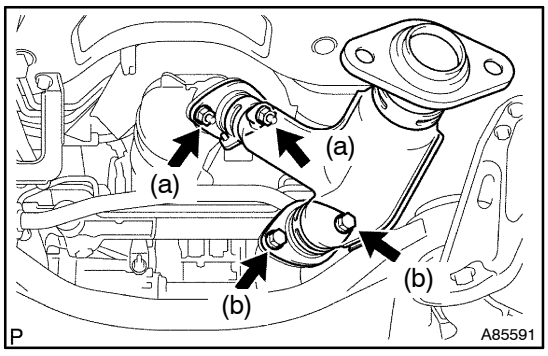


2. REMOVE EXHAUST PIPE ASSY TAIL

(a) Remove the 2 bolts and 2 compression springs.
(b) Disconnect the pipe tail from the exhaust pipe center.
(c) Disconnect the pipe tail from the exhaust pipe support.

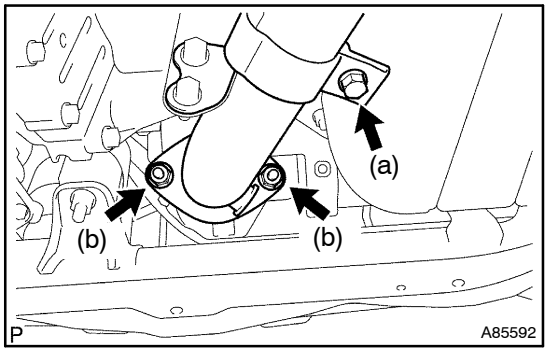
3. REMOVE EXHAUST PIPE ASSY CENTER

(a) Remove the 2 bolts and 2 compression springs.
(b) Disconnect the pipe center from the exhaust pipe front No. 3.
(c) Disconnect the pipe center from the 4 exhaust pipe supports.



4. REMOVE EXHAUST PIPE SUB–ASSY FRONT NO.3

(a) Remove the 2 nuts and disconnect the pipe front No. 3 from the exhaust manifold.
(b) Remove the 2 bolts and pipe front No. 3 from the exhaust pipe front.



5. REMOVE EXHAUST PIPE ASSY FRONT

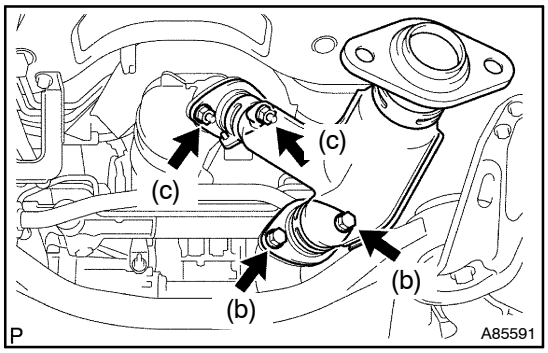
(a) Loosen the clamp.

(b) Remove the 2 nuts and pipe.

6. INSTALL EXHAUST PIPE ASSY FRONT

(a) Install 2 new gaskets and the pipe with the 2 nuts.
Torque: 56 N·m (571 kgf·cm, 41 ft·lbf)

(b) Tighten the clamp.
Torque: 21 N·m (214 kgf·cm, 15 ft·lbf)

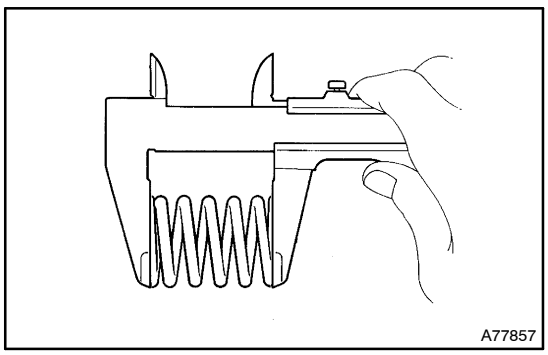


7. INSTALL EXHAUST PIPE SUB–ASSY FRONT NO.3

(a) Install 2 new gaskets to the pipe front No. 3.

(b) Install the front pipe No. 3 to the pipe front with the 2 bolts.
Torque: 56 N·m (571 kgf·cm, 41 ft·lbf)

(c) Install the front pipe No. 3 to the exhaust manifold RH with the 2 nuts.
Torque: 56 N·m (571 kgf·cm, 41 ft·lbf)

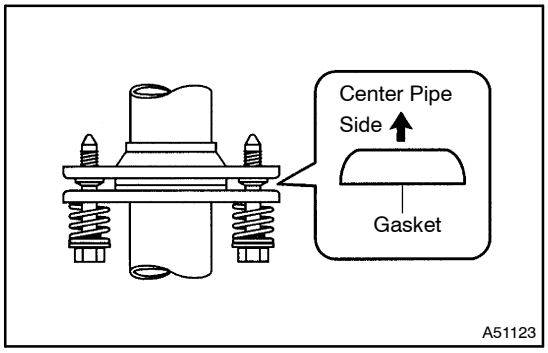


8. INSTALL EXHAUST PIPE ASSY CENTER

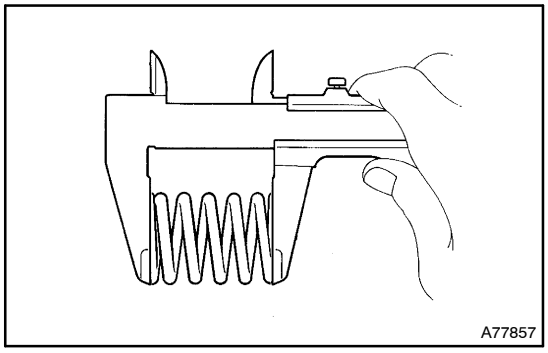
(a) Using a vernier caliper, measure the non–compressed length of the compression spring.
Minimum length: 41.5 mm (1.634 in.)

If the length is less than the minimum, replace the compression spring.

(b) Install the pipe center to the 4 exhaust pipe supports.



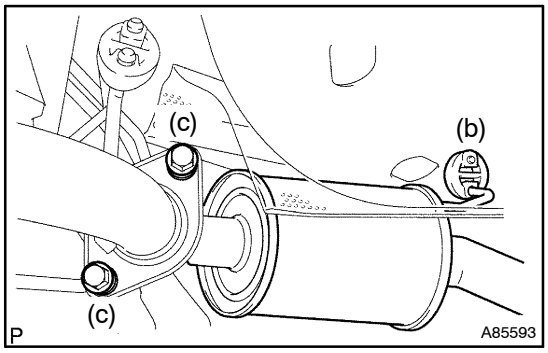
(c) Install a new gasket and the pipe center to the front pipe No. 3 with the 2 bolts and 2 compression springs.
Torque: 48 N·m (489 kgf·cm, 35 ft·lbf)



9. INSTALL EXHAUST PIPE ASSY TAIL

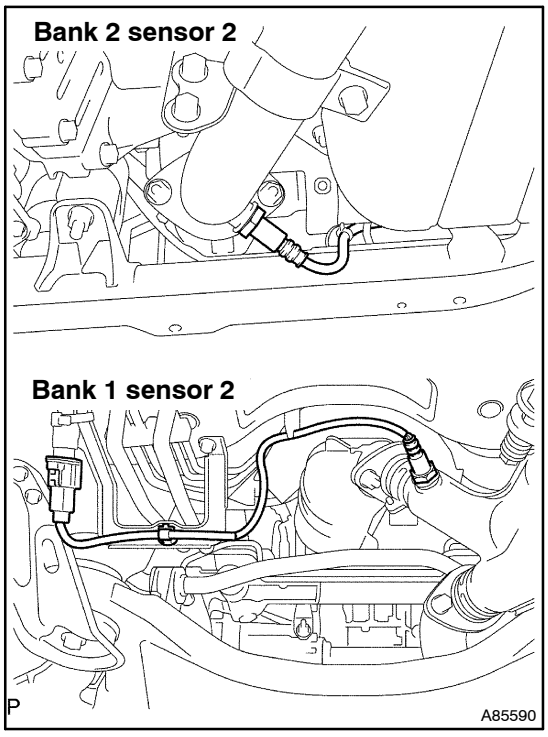
(a) Using a vernier caliper, measure the non–compressed length of the compression spring.
Minimum length: 40.5 mm (1.594 in.)

If the length is less than the minimum, replace the compression spring.



(b) Install the pipe tail to the exhaust pipe support.

(c) Install a new gasket and the pipe tail to the pipe center with the 2 bolts and 2 compression springs.
Torque: 48 N·m (489 kgf·cm, 35 ft·lbf)



10. INSTALL HEATED OXYGEN SENSOR

(a) Install the 2 heated oxygen sensors (bank 1, 2 sensor 2).
Torque: 44 N·m (449 kgf·cm, 32 ft·lbf)

HINT:

- Before installing the sensor, twist the sensor wire counter-clockwise 3 and 1/2 turns.
- After installing the sensor, check that the sensor wire is not twisted. If it is twisted, remove the sensor and reinstall it.

11. CHECK FOR EXHAUST GAS LEAKS

If gas is leaking, tighten the areas necessary to stop the leak.
If damaged, replace it.