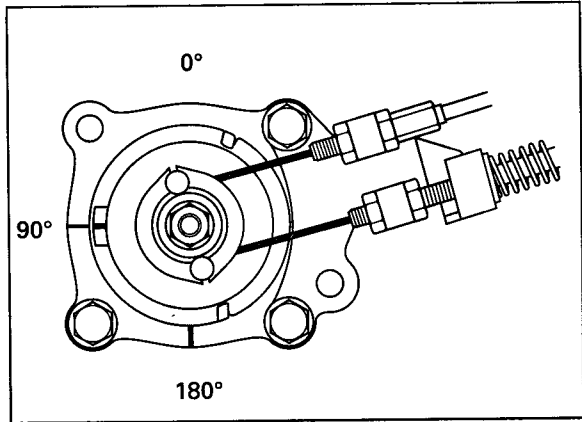
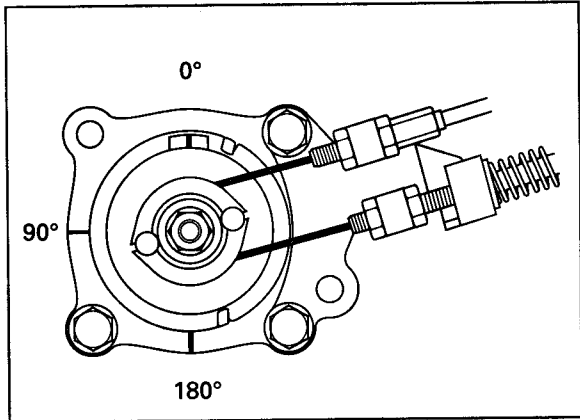


Turn the ignition switch ON and check for EGCV cable guide pulley position.
Make sure that the pulley index line is positioned 90° (facing forward) as shown.

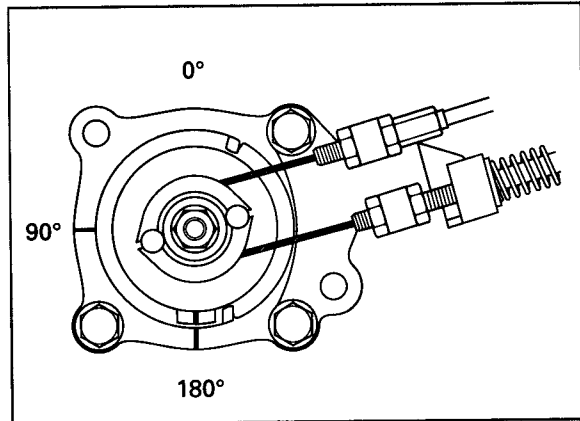


Start the engine, warm up the engine to operating temperature.
Gradually increase the engine rev up.
Make sure that the EGCV cable pulley is moved to 0° (pulley index line facing up) at about 3,000 rpm as shown.



Check that the EGCV cable pulley is moved to 180° (pulley index line facing down) at about 8,000 rpm.
Also check that the intake flap valve is opened at the same time.

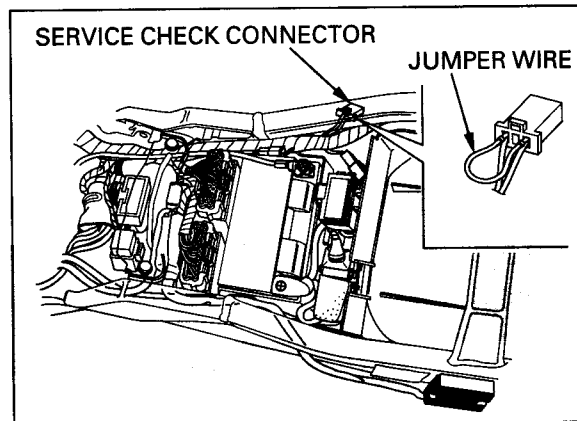
If the intake and EGCV position is incorrect, adjust the cables (see following steps).
If the intake and EGCV operation is incorrect, check for each related parts.



CABLE ADJUSTMENT

Remove the seat (page 2-2).

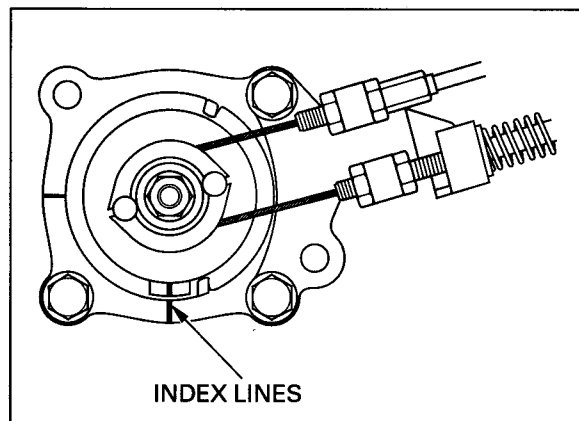
Turn the ignition switch ON and engine stop switch in RUN.
Short the service check connector with a jumper wire.



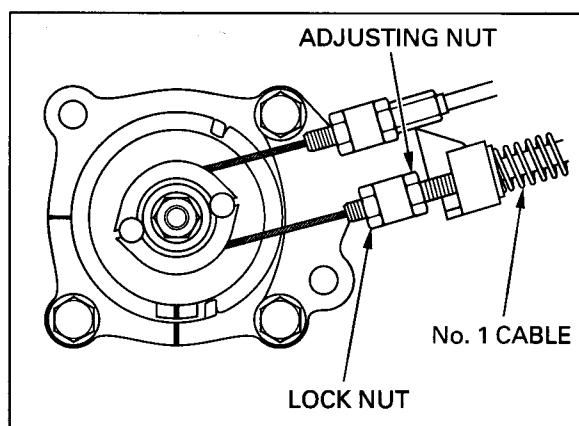
M (Programmed Fuel Injection)

EGCV CONTROL CABLE ADJUSTMENT

Make sure that the EGC cable guide pulley index line is aligned with the EGC cover index line. If the index lines do not align, adjust the EGC control cables.



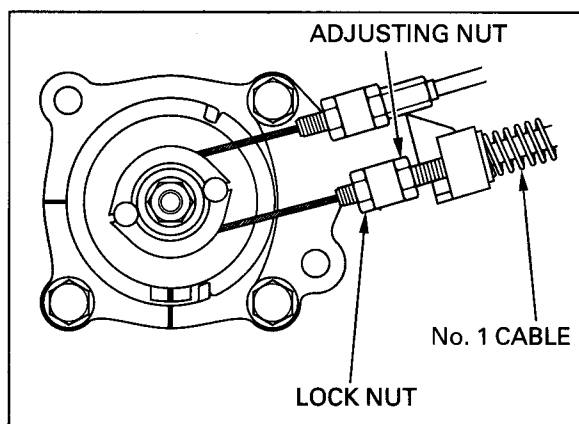
Fully loosen the No. 1 adjusting cable (spring equipped cable) lock nut and adjusting nut.



Adjust the EGC position by loosening the No. 1 adjusting cable lock nut and turning the adjusting nut.

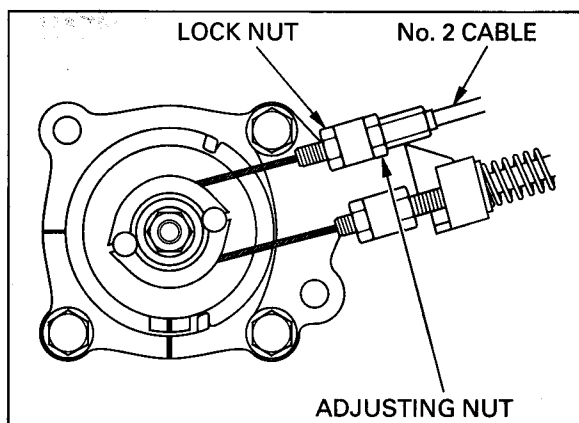
Move the cable several times and recheck the index line.

Hold the No. 1 cable adjusting nut, then tighten the lock nut securely.



Turn the No. 2 cable lock nut and adjust the cable so that there is no free play. Tighten the No. 2 cable lock nut securely.

Remove the jumper wire from the service check connector.

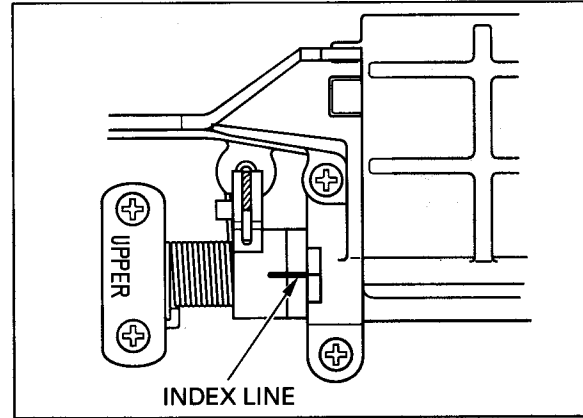


INTAKE VALVE CONTROL CABLE ADJUSTMENT

Turn the ignition switch ON and short the service check connector with a jumper wire (page 5-95).
Remove the air cleaner element (page 3-5).

Make sure the index lines between the intake valve shaft pulley and air guide are aligned.

If the index lines are not aligned, adjust as follows.

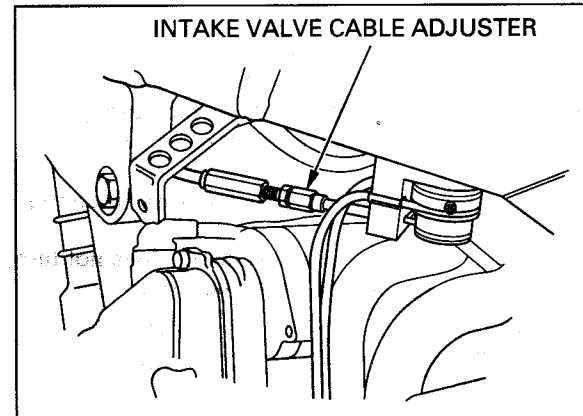


Loosen the intake valve cable adjuster lock nut.

Turn the intake valve cable adjuster, align the intake valve cable guide pulley index line with the index line on the valve shaft.

At this point, turn back the cable adjuster 1/2 turn. Tighten the lock nut securely.

Remove the jumper wire from the service check connector.

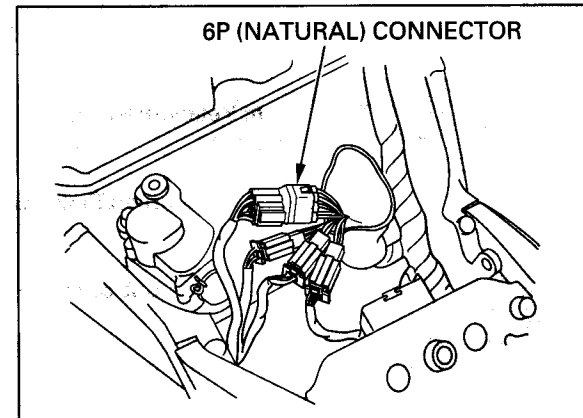


EGCV AND AIR INTAKE VALVE SERVO MOTOR

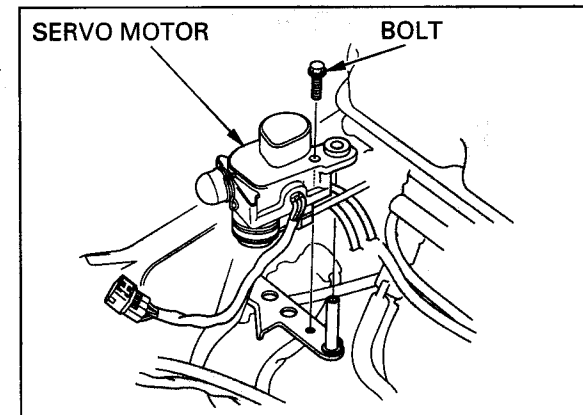
REMOVAL

Open and support the front end of fuel tank (page 3-4).

Disconnect the servo motor 6P (Natural) connector.

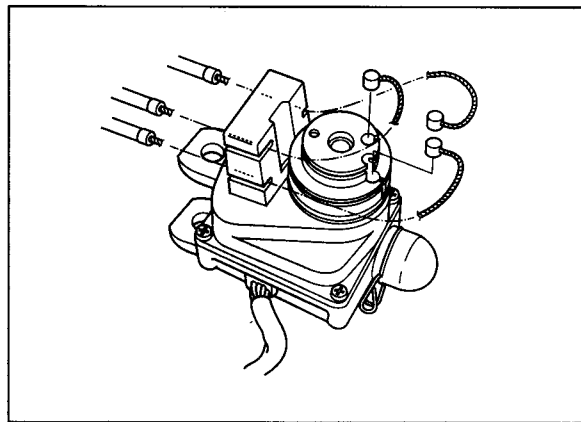


Remove the servo motor mounting bolt and pull out the servo motor from the bracket.



M (Programmed Fuel Injection)

Disconnect the intake air valve and EGCV control cables from the servo motor pulley, then remove the servo motor.

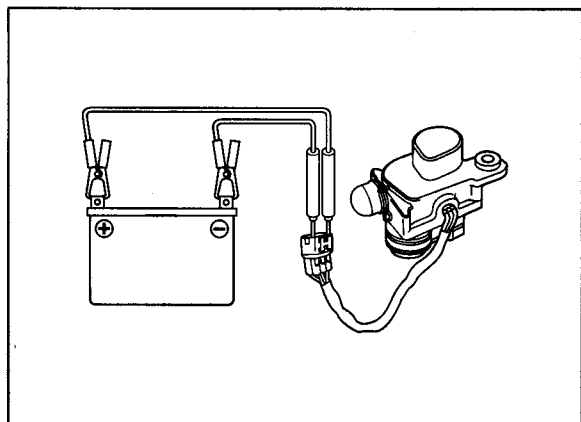


INSPECTION

Connect the 12 V battery to the servo motor 6P (Natural) connector terminals and check that the motor operation.

Connection: Red (+) – Blue (–)

If the servo motor does not turn, replace the servo motor with a new one.



Measure the resistance between the servo motor 6P (Natural) connector terminals.

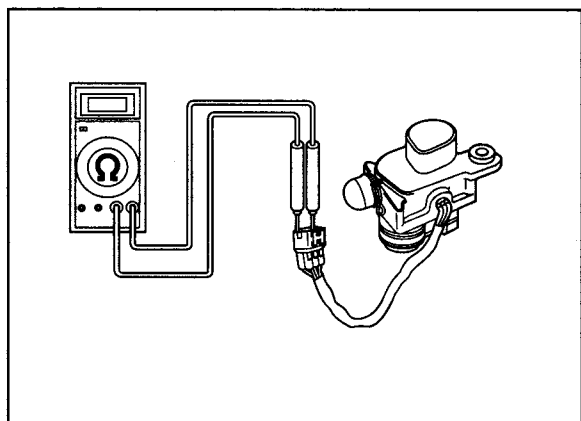
Connection: Yellow/Red – Green/Orange

Standard: 5 k Ω

Connection: Light green/Pink – Green/Orange

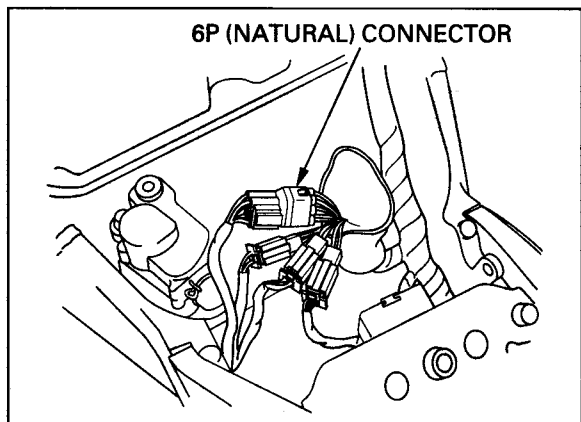
Standard: 0 – 5 k Ω

If the resistance is out of range, replace the servo motor.



INSTALLATION

Connect the servo motor 6P (Natural) connector.



If you using the new servo motor, it is not necessary to do this procedures.

Short the service check connector (page 5-95).

Turn the ignition switch ON.

The servo motor turns, then stops.

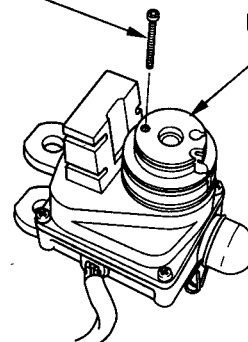
Secure the servo motor pulley at this position using a 3 mm socket bolt as shown.

Socket bolt, 3 × 28 mm:

Part number: 31420-MCJ-640

3 mm SOCKET BOLT

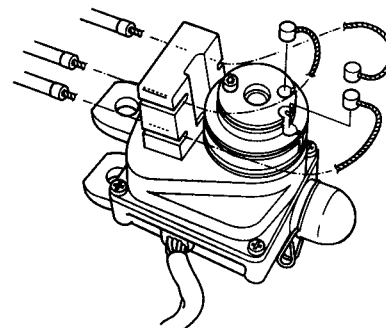
PULLEY



Connect the EGCV control cables to each position, then connect the intake valve control cable.

Adjust the intake and exhaust valve control cables (page 5-95).

Remove the 3 mm socket bolt from the servo motor pulley.

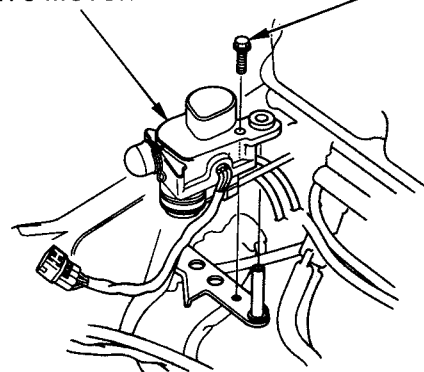


Install the servo motor onto the bracket.

Install and tighten the servo motor mounting bolt.

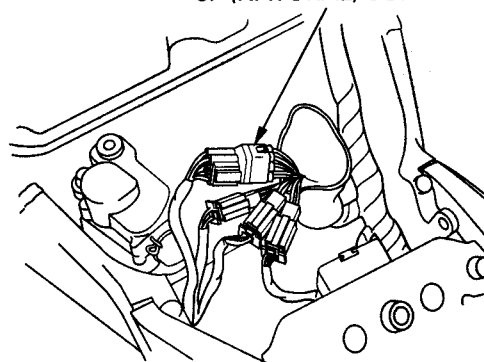
SERVO MOTOR

BOLT



Connect the servo motor 6P (Natural) connector.

6P (NATURAL) CONNECTOR



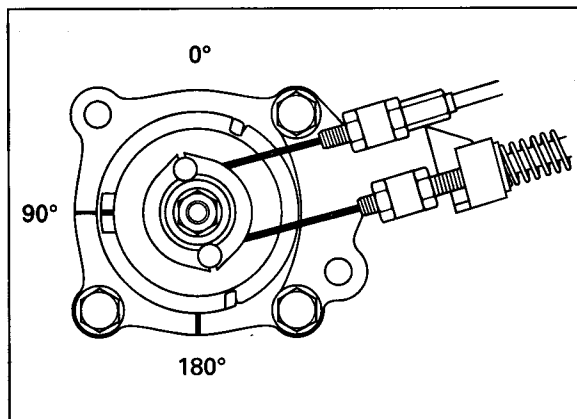
EGCV

OPERATING INSPECTION

Disconnect the EGCV control cables (page 2-18).

Turn the EGCV pulley from 0 to 180° and check the smooth operation.

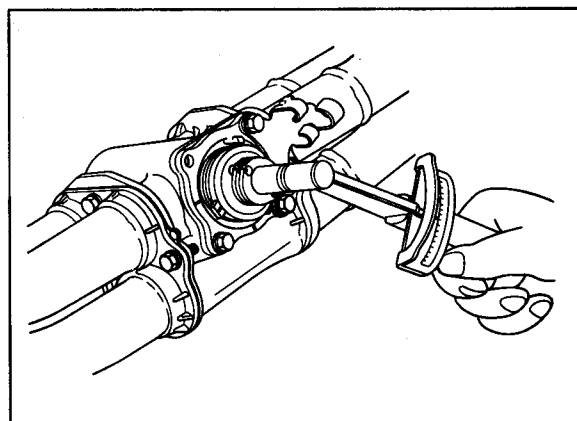
If operation is not smooth, check for carbon deposits in the EGCV and valve body (page 5-90).



Check the EGCV pre-load using a torque wrench.

PRE-LOAD: 34 N·m (3.5 kgf·m, 25 lbf·ft) maximum

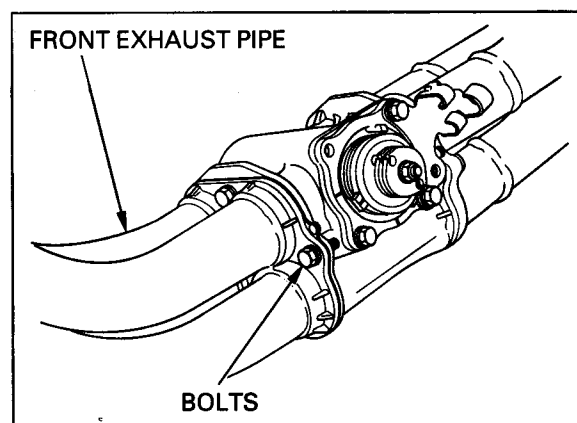
If pre-load is excessive, disassemble and inspect the EGCV.



REMOVAL

Remove the exhaust pipe assembly (page 2-18).

Remove the bolts, front exhaust pipe and gasket.



Remove the bolts, rear exhaust pipe and gasket.

