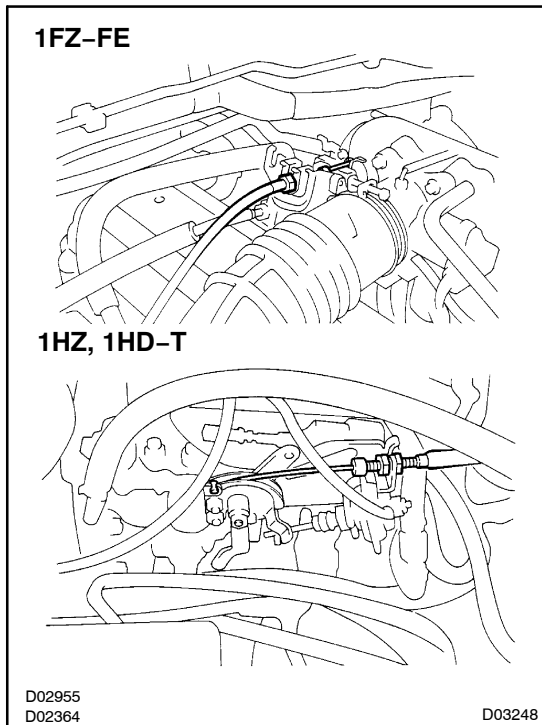


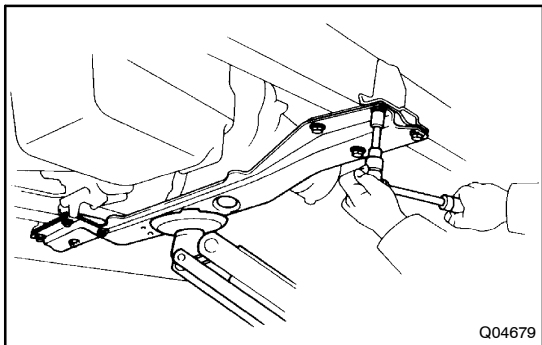


THROTTLE CABLE (1FZ-FE, 1HD-T, 1HZ)

ON-VEHICLE REPAIR

AT09L-01

1. DISCONNECT THROTTLE CABLE FROM ENGINE
2. IFS Only:
REMOVE NO.2 ENGINE UNDER COVER
3. □ REMOVE VALVE BODY (See page AT-19)
4. REMOVE FRONT AND REAR PROPELLER SHAFT (See page PR-4)
5. REMOVE FRONT EXHAUST PIPE
(1FZ-FE: See page AT-46)
(1HD-T, 1HZ: See page AT-60)

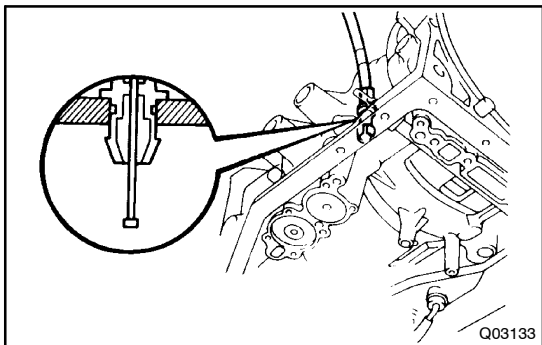


6. REMOVE FRAME CROSSMEMBER SET BOLT

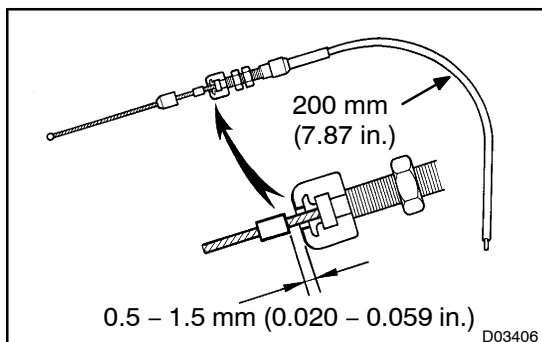
- (a) Support the frame crossmember with a jack.
- (b) Remove the 8 set bolts.

7. REMOVE THROTTLE CABLE

- (a) Lower the transmission.
- (b) Remove the throttle cable mounting bolt from the transmission case upper side.



- (c) Using 10 mm socket driver, remove the throttle cable by pushing the retainer portion of the throttle cable.
- (d) Remove the O-ring from the throttle cable.



8. INSTALL THROTTLE CABLE

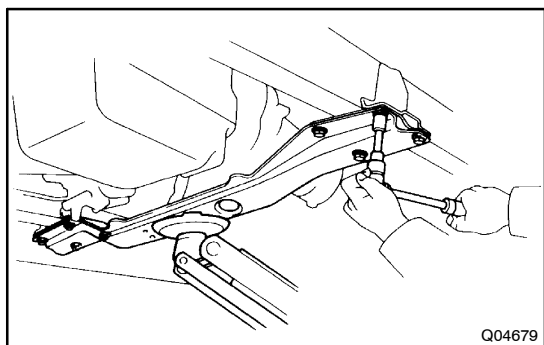
If the throttle cable is new, do the following operations (1) – (3).

- (1) Bend the cable so there is a radius of about 200 mm (7.87 in.).
- (2) Pull the inner cable lightly until slight resistance is felt, and hold it there.
- (3) Stake the stopper 0.5 – 1.5 mm (0.020 – 0.059 in.) from the end of the outer cable.
- (4) Coat a new O-ring with ATF and install it to the throttle cable.

- (5) Pull the throttle cable to the transmission.
- (6) Install the throttle cable to the throttle cable clamp.

9. INSTALL FRAME CROSSMEMBER SET BOLT

- (a) Install the throttle cable with the bolt to transmission case upper side.



- (b) Lift up the transmission.

- (c) Install the 8 set bolts.

Torque: 50 N·m (510 kgf·cm, 37 ft·lbf)

10. INSTALL FRONT EXHAUST PIPE

(1FZ-FE: [See page AT-51](#))

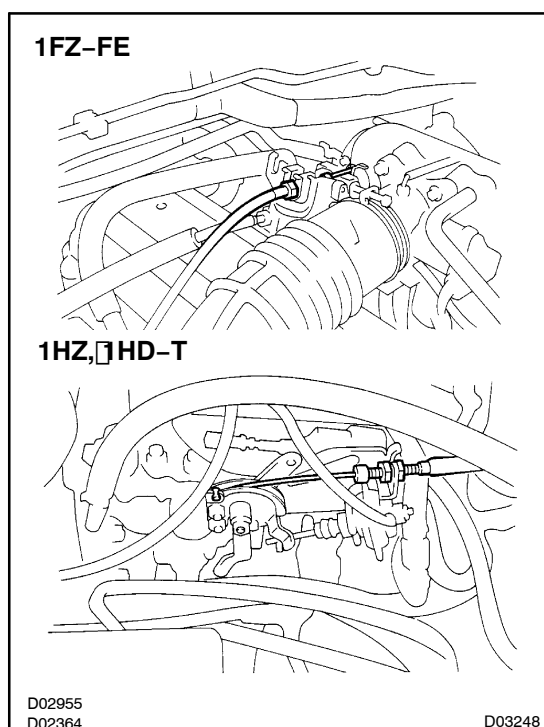
(1HD-T, 1HZ: [See page AT-66](#))

11. INSTALL FRONT AND REAR PROPELLER SHAFTS ([See page PR-7](#))

12. IFS Only:

REMOVE NO.2 ENGINE UNDER COVER

13. INSTALL VALVE BODY ([See page AT-19](#))



14. CONNECT THROTTLE CABLE TO ENGINE

15. FILL ATF AND CHECK ATF LEVEL ([See page DI-80](#))

16. ADJUST THROTTLE CABLE ([See page DI-80](#))