1FZ–FE

1HZ, 1HD –T

D02955
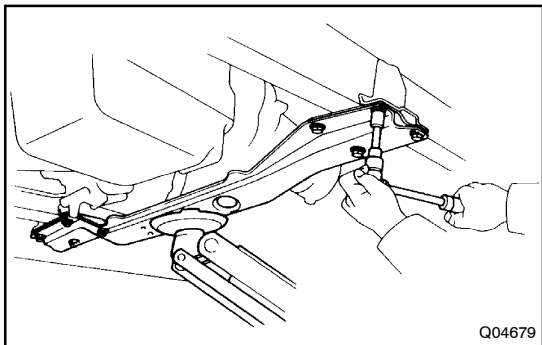D02364   D03248

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)
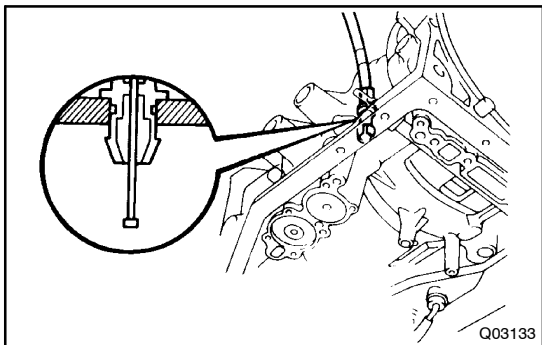   **(1HD–T, 1HZ: See page AT–60)**
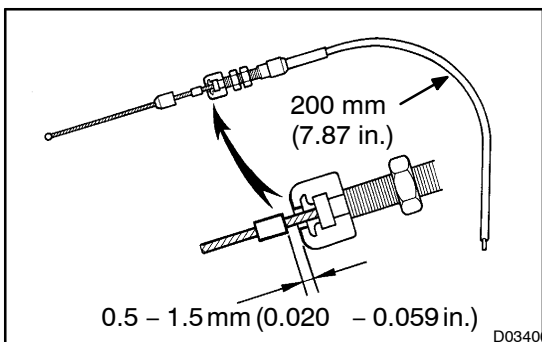
Q04679

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.

Q03133

(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.

200 mm
(7.87 in.)

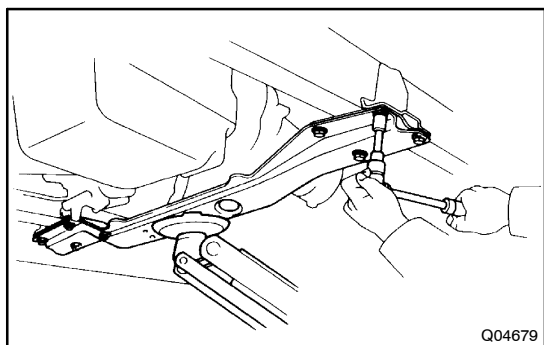0.5 – 1.5 mm (0.020 – 0.059 in.)
D03406

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
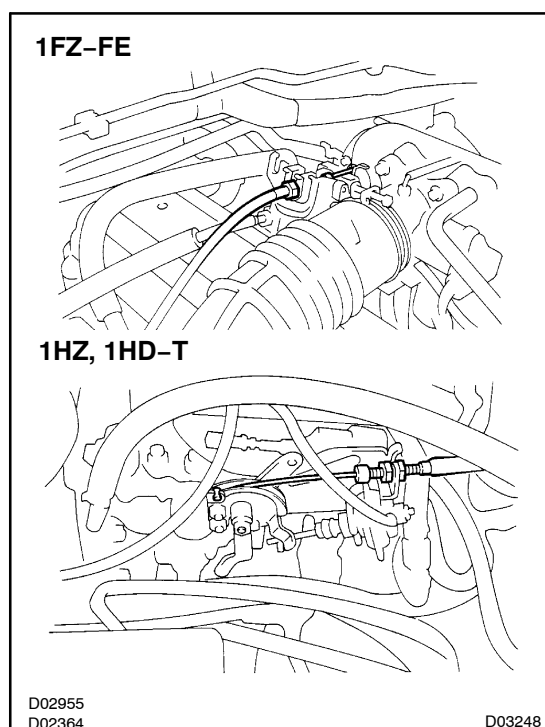   (1FZ−FE: See page AT−51)
    (1HD−T, 1HZ: See page AT−66)**

**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)

1FZ−FE

1HZ, 1HD−T

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)