INSTALLATION

1. INSPECT TORQUE CONVERTER CLUTCH ASSEMBLY (See page AT-179)

2. INSTALL TORQUE CONVERTER CLUTCH ASSEMBLY
   (a) Install the torque converter clutch onto the automatic transmission.
   (b) Using calipers and a straight edge, measure dimension A, between the engine and the end surface of the drive plate, as shown in the illustration.
   **Standard:**
   \[ A = 21.2 \text{ mm} \ (0.835 \text{ in.}) \]

3. INSTALL REAR NO.1 ENGINE MOUNTING INSULATOR
   (a) Install the engine mounting insulator rear onto the automatic transmission with the 4 bolts.
   **Torque:** 65 N*m (663 kgf*cm, 48 ft.*lbf)

4. INSTALL AUTOMATIC TRANSMISSION ASSEMBLY
   (a) Install the automatic transmission onto the engine with the 9 bolts.
   **Torque:** 71 N*m (720 kgf*cm, 53 ft.*lbf) for bolt A
   37 N*m (380 kgf*cm, 27 ft.*lbf) for bolt B
(b) Install the 6 torque converter clutch mounting bolts.  
Torque: 48 N\(\text{m}\) (489 kgf\(\text{cm}\), 35 ft.*lbf)
HINT:
First install the black bolt and then the other 5 bolts.

5. INSTALL NO.3 FRAME CROSSMEMBER SUB-ASSEMBLY
(a) Install the No. 3 frame crossmember sub-assembly with the 4 bolts and 4 nuts.
Torque: 72 N\(\text{m}\) (734 kgf\(\text{cm}\), 53 ft.*lbf)
(b) Install the No. 3 frame crossmember sub-assembly with the 4 bolts.
Torque: 19 N\(\text{m}\) (189 kgf\(\text{cm}\), 14 ft.*lbf)

6. INSTALL FRONT SUSPENSION MEMBER BRACKET LH
(a) Install the front suspension member bracket LH with the 4 bolts.
Torque: 33 N\(\text{m}\) (336 kgf\(\text{cm}\), 24 ft.*lbf)

7. INSTALL FRONT SUSPENSION MEMBER BRACKET
(a) Install the front suspension member bracket RH with the 4 bolts.
Torque: 33 N\(\text{m}\) (336 kgf\(\text{cm}\), 24 ft.*lbf)

8. INSTALL FLYWHEEL HOUSING SIDE COVER
(a) Install the flywheel housing side cover onto the cylinder block.

9. INSTALL STARTER ASSEMBLY (See page ST-15)

10. CONNECT WIRE HARNESS

11. CONNECT CONNECTOR
(a) Connect the park/neutral position switch connector.
(b) Connect the transmission wire connector.
(c) Connect the 2 speed sensor connectors.
12. INSTALL TRANSMISSION CONTROL CABLE ASSEMBLY
   (a) Install the transmission control cable bracket with the 2 bolts.
       Torque: 14 N*m (143 kgf*cm, 10 ft.*lbf)
   (b) Connect the transmission control cable with the nut.
       Torque: 14 N*m (143 kgf*cm, 10 ft.*lbf)

13. INSTALL OIL COOLER TUBE
   (a) Provisionally install the No. 1 oil cooler outlet tube.
   (b) Provisionally install the No. 1 oil cooler inlet tube.
   (c) Install the 2 clamps and 3 bolts.
       Torque: 14 N*m (138 kgf*cm, 10 ft.*lbf) for bolt A
              5.5 N*m (56 kgf*cm, 49 in.*lbf) for bolt B
       Using SST, tighten the No. 1 oil cooler outlet tube.
       SST 09023-12701
       Torque: 34 N*m (350 kgf*cm, 25 ft.*lbf) for use without SST
              30 N*m (306 kgf*cm, 22 ft.*lbf) for use with SST
       HINT:
       • Use a torque wrench with a fulcrum length of 300 mm (11.81 in.).
       • This torque value is effective when SST is parallel to the torque wrench.
   (e) Using SST, tighten the No. 1 oil cooler inlet tube.
       SST 09023-12701
       Torque: 34 N*m (350 kgf*cm, 25 ft.*lbf) for use without SST
              30 N*m (306 kgf*cm, 22 ft.*lbf) for use with SST
       HINT:
       • Use a torque wrench with a fulcrum length of 300 mm (11.81 in.).
       • This torque value is effective when SST is parallel to the torque wrench.

14. INSTALL NO.2 MANIFOLD STAY
   (a) Install the No. 2 manifold stay with the 3 bolts.
       Torque: 40 N*m (408 kgf*cm, 30 ft.*lbf)
15. INSTALL MANIFOLD STAY
   (a) Install the manifold stay with the 3 bolts.
       Torque: 40 N*m (408 kgf*cm, 30 ft.*lbf)

16. INSTALL PROPELLER SHAFT ASSEMBLY (See page PR-14)

17. INSTALL FRONT EXHAUST PIPE ASSEMBLY (See page EX-4)

18. INSTALL NO. 2 EXHAUST FRONT PIPE ASSEMBLY
    (See page EX-5)

19. INSTALL OXYGEN SENSOR

20. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL
    Torque: 3.9 N*m (40 kgf*cm, 35 in.*lbf)

21. PERFORM INITIALIZATION
    (See page AT-19)

22. ADJUST AUTOMATIC TRANSMISSION FLUID
    (See page AT-140)

23. INSPECT SHIFT LEVER POSITION (See page AT-166)

24. ADJUST SHIFT LEVER POSITION (See page AT-167)

25. CHECK FOR EXHAUST GAS LEAKAGE

26. INSTALL REAR ENGINE UNDER COVER ASSEMBLY

27. INSTALL NO. 1 ENGINE UNDER COVER SUB-ASSEMBLY