REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

2. REMOVE FRONT WHEEL

3. DRAIN BRAKE FLUID
   NOTICE:
   Immediately wash off any brake fluid that comes into contact with painted surfaces.

4. REMOVE FRONT DISC BRAKE CALIPER ASSEMBLY
   (a) Remove the bolt and separate the brake tube bracket from the steering knuckle.

   (b) Using SST, separate the brake tube from the disc brake cylinder.
   SST 09023-00101
   HINT:
   Use a container to collect the brake fluid as it drains out.

   (c) Remove the 2 bolts and disc brake caliper assembly.

5. REMOVE FRONT DISC (See page BR-42)

6. SEPARATE FRONT SPEED SENSOR (See page DS-3)

7. REMOVE FRONT AXLE HUB GREASE CAP (for 4WD) (See page DS-3)

8. REMOVE FRONT AXLE HUB NUT (for 4WD) (See page DS-3)

9. SEPARATE FRONT STABILIZER LINK ASSEMBLY (See page SP-10)

10. SEPARATE TIE ROD END SUB-ASSEMBLY (See page DS-3)

11. SEPARATE FRONT LOWER BALL JOINT ATTACHMENT (See page DS-4)

12. SEPARATE FRONT UPPER SUSPENSION ARM
   (a) Support the lower arm with a jack.
   (b) Remove the clip and nut.
(c) Using SST, separate the upper ball joint from the steering knuckle.
SST 09628-62011

13. REMOVE FRONT AXLE ASSEMBLY
(a) for 4WD:
   (1) Using a plastic hammer, separate the front axle hub from the front drive shaft.
   (b) Remove the front axle assembly.

DISASSEMBLY

1. REMOVE KNUCKLE GREASE RETAINER CAP (for 2WD)
   (a) Using a screwdriver and hammer, remove the retainer cap.

2. REMOVE STEERING KNUCKLE OIL SEAL (for 4WD)
   (a) Using a screwdriver and hammer, remove the oil seal.

3. REMOVE FRONT AXLE HUB
   (a) Remove the 4 bolts, axle hub and dust cover from the steering knuckle.
   (b) Remove the O-ring from the axle hub.

4. REMOVE FRONT WHEEL ADJUSTING NUT (for 2WD)
   (a) Using SST and a hammer, unstake the adjusting nut.
   SST 09930-00010
(b) Using SST, remove the front wheel adjusting nut.
SST 09318-12010

5. REMOVE FRONT AXLE WITH ABS ROTOR BEARING ASSEMBLY
(a) Gently fix the front axle hub in a vise.
(b) Using SST, remove the bearing.
SST 09710-30021 (09710-03051), 09950-40011 (09951-04020, 09952-04010, 09953-04020, 09954-04010, 09955-04061, 09957-04010, 09958-04011)

6. REMOVE FRONT AXLE HUB OIL SEAL
(a) Using a screwdriver, remove the oil seal.

REASSEMBLY

1. INSTALL FRONT AXLE HUB OIL SEAL
(a) Using a brass bar and a hammer, install a new oil seal.
NOTICE:
Do not damage the oil seal.

2. INSTALL FRONT AXLE WITH ABS ROTOR BEARING ASSEMBLY
(a) Using SST and a press, install a new bearing onto the axle hub.
SST 09649-17010
3. INSTALL FRONT WHEEL ADJUSTING NUT (for 2WD)
   (a) Using SST, install a new adjusting nut.
   
   SST 09318-12010
   Torque: 275 N*m (2,804 kgf*cm, 203 ft.*lbf)

4. INSTALL FRONT AXLE HUB
   (a) Apply MP grease to a new O-ring.
   (b) Install the new O-ring onto the axle hub.
   (c) Install the dust cover and axle hub onto the steering knuckle with the 4 bolts.
   Torque: 80 N*m (816 kgf*cm, 59 ft.*lbf)

5. INSTALL KNUCKLE GREASE RETAINER CAP (for 2WD)
   (a) Using a brass bar and a hammer, install a new retainer cap.

   NOTICE:
   Do not damage the retainer cap.

6. INSTALL STEERING KNUCKLE OIL SEAL (for 4WD)
   (a) Using SST and a press, install a new oil seal.
   
   SST 09527-17011, 09950-70010 (09951-07100), 09951-01000