1997-2000

On 1997-2000 models, the ABS module is located underneath the vehicle just behind the left front axle.

Removal Procedure

1. Disconnect the negative (ground) cable from the battery and isolate cable.

2. Using a brake pedal depressor, move and lock the brake pedal to a position past the first inch of pedal travel. This will prevent brake fluid from draining out of the master cylinder when the brake tubes are removed from the HCU.

3. Raise vehicle. Vehicle is to be raised and supported on jackstands or on a frame contact type hoist.

4. Remove the routing clip attaching the ICU wiring harness to the ICU mounting bracket. CAUTION: Do not apply a 12 volt power source to any terminals of the 25 way HCU connector when disconnected.

5. Remove the 25 way connector from the CAB. The 25 way connector is removed from the CAB using the following procedure. Grasp the lock on the 25 way connector and pull it as far out as possible. This will raise and unlock the 25 way connector from the socket on the CAB. CAUTION: Before removing the brake tubes from the HCU, the HCU must be thoroughly cleaned. This must be done to prevent dirt particles from falling into the ports of HCU or entering the brake tubes.

6. Thoroughly clean all surfaces of the HCU, and all brake tube nuts located on the HCU. Use only a solvent such as Mopar Brake Parts Cleaner or an equivalent to clean the HCU. Remove the brake tubes from the inlet and outlet ports on the HCU.
7. Remove the 3 bolts attaching the ICU mounting bracket to the front suspension crossmember.

8. Remove ICU and the mounting bracket as a unit from the vehicle.

9. Remove the 3 bolts mounting the ICU to the mounting bracket. Separate the ICU from the mounting bracket.

Installation Procedure

1. Make sure the mating surface of the HCU is clean and dry.

2. Installation is the reverse of the instructions above.

3. Bleed the brake system.

4. Start the engine and make sure the brake warning lights go out.
2001-2007

Note: 2005-2007 models use either the M20 or M25e (see photos on right). The main difference is the use of two electrical connectors on the M20 vs a single connector on the M25e. The M25e is not repairable.

On 2001-2007 models, the ABS module is located underneath the battery.

Removal Procedure

1. Disconnect battery cables.
2. Remove the battery.
3. Disconnect the vacuum hose connector at the tank built into the battery tray.
4. Remove the screw securing the coolant filler neck to the battery tray.
5. Remove the battery tray.
6. Pull up on the CAB connector lock and disconnect the 24-pin electrical connector and the pump/motor connector from the CAB.
7. Remove the screws securing the CAB to the HCU (hydraulic control unit).
8. Cover the exposed surface of the HCU with aluminum foil

Installation Procedure

1. Make sure the mating surface of the HCU is clean and dry.
2. Installation is the reverse of the instructions above.
3. Start the engine and make sure the brake warning lights go out.