1999-2003

The 1999-2003 Windstar uses the Kelsey Hayes 430 controller (lower right). The Windstar was discontinued in 2004.

Removal Procedure

1. Disconnect the battery ground cable.

2. Raise and support the vehicle.

3. Remove the Hydraulic Control Unit (HCU) dust shield by removing screw (1) and bolts (2).

4. Disconnect the anti-lock brake control module electrical connector. Slide the connector lock rearward as shown above.
5. Remove the three HCU bracket to frame bolts.

6. Lift the bracket hooks from the frame and lower the HCU to access the anti-lock brake module.

**CAUTION:** Be sure to lift straight up to avoid damage to the HCU components.
7. Remove the four torx screws that attach the anti-lock brake module to the hydraulic unit. Remove the anti-lock brake module.

8. Cover the exposed surface of the hydraulic unit with aluminum foil.

**Installation Procedure**

**NOTE:** When the battery is disconnected and reconnected, some abnormal drive symptoms may occur while the vehicle relearns its adaptive strategy. The vehicle may need to be driven **16 km (10 miles)** or more to relearn its strategy.

1. Clean the top of the HCU before installing the new module.

2. Clean the harness and module sides of the electrical connector before connecting. Clean and lubricate the weather seal gasket using Silicone Brake Caliper Grease and Dielectric Compound D7AZ-19A331-A (WA-10) meeting Ford specification ESE-M1C171-A.

3. To install, reverse the removal procedure.