

DIAGNOSIS AND TESTING (Continued)

Pinpoint Tests—Diagnostic Trouble Code 24

DIAGNOSTIC TROUBLE CODE 24

TEST STEP		RESULT	ACTION TO TAKE
24-1	<p>VERIFY CONDITION</p> <ul style="list-style-type: none"> ● Turn key to ON. ● Count diagnostic trouble code. ● Is Code 24 flashing? 	<p>Yes</p> <p>No</p>	<p>GO to 24-2.</p> <p>Read the normal operation description for this diagnostic trouble code. EXAMINE the diagnostic trouble code schematic and look for areas where intermittent conditions would occur (connectors, splices, crimps, etc.) DO NOT proceed with pinpoint test until the code is flashing! Failure to do so will result in needless replacement of the air bag system components and repeat service.</p>
24-2	<p>MEASURE VOLTAGE</p> <ul style="list-style-type: none"> ● Deactivate system. ● Turn ignition OFF then to RUN. ● Using Pin 3 as a ground, measure voltage on following Circuits: <p>Pin 11 - Circuit 614 (GY/O) Pin 12 - Circuit 623 (P/W)</p> <p>NOTE: Use voltage table for normal voltage specifications.</p> <ul style="list-style-type: none"> ● Are voltages at these terminals within ± 0.5 volt of specification? 	<p>Yes</p> <p>No</p>	<p>CHECK "HOT AT ALL TIMES" voltage feed Circuit 937 (R/W), from fuse panel to Pin 13 of diagnostic monitor harness connector for intermittent open circuits, fuse terminal crimps, etc. If none are found, REPLACE diagnostic monitor. RECONNECT system. VERIFY system. REACTIVATE system.</p> <p>Both terminals measure low voltage. GO to 24-3. Pin 12 measures high and Pin 11 measures low. GO to 24-4.</p>
24-3	<p>MEASURE RESISTANCE</p> <ul style="list-style-type: none"> ● Turn ignition switch OFF. ● Disconnect negative battery cable. ● Disconnect diagnostic monitor. ● Using Pin 3 as a ground, measure resistance of Pin 11 Circuit 614 (GY/O) to ground (ohmmeter must be on 200k ohm scale or AUTO). ● Is resistance to ground infinite (open)? 	<p>Yes</p> <p>No</p>	<p>REPLACE diagnostic monitor. RECONNECT system. VERIFY system. REACTIVATE system.</p> <p>LOCATE and SERVICE short to ground in either Circuit 614 (GY/O), 615 (GY/W), 616 (PK/BK - Passenger bag vehicles) or Circuit 623 (P/W). CHECK air bag, clockspring and safing sensor for an internal short to ground. SERVICE as required. RECONNECT system. VERIFY system. REACTIVATE system.</p>

