

# SECTION 01-10B Seat, Articulated Sport

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## VEHICLE APPLICATION

Taurus SHO.

## DESCRIPTION

Seat trim replacement requires removal and installation of seat components such as seat tracks, seat assemblies and head restraints. Refer to Section 01-10A for procedures.

## OPERATION

### Lumbar and Bolster Support

The lumbar and bolster support system consists of two switches, a lumbar support (air bag), two bolster support air bags, a pump and motor assembly, related wiring harness and plastic tubing.

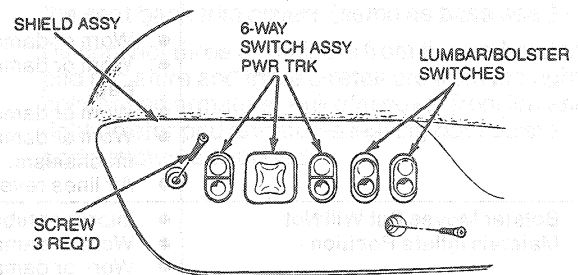
During the inflate mode, the compressor pumps air through a hose to the lumbar or bolster switch check valve where air is routed through a separate hose to the lumbar or bolster support air bags located in the seat back. The bolster support air bags actuate a spring-loaded guide and slide mechanism which articulate the bolsters inward when inflated. Except for support bolster air bags and mechanical system, all components are generally located at or under the seat cushion frame.

The switch performs three functions:

- Activates motor which activates air pump.
- Acts as a one-way check valve for air passage to lumbar and bolster support bags. Once inflated, the switch is returned to its normal mode and the check valve closes. This maintains air pressure in the bag.

- When deflated the check valve opens to deflate the lumbar or bolster bag. The spring-loaded bolster mechanism then returns to its retracted position. In this mode, the pump does not operate.

**CAUTION:** The longer nipple on the switch (located at the center of the switch body) should always be connected to the hose leading to the lumbar support. The shorter nipple on the switch body connects to the air pump outlet. If this order is reversed, the lumbar bag will not hold air pressure.



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