

CONVERTIBLE TOP - POWER

1988 Chrysler LeBaron Convert/Coupe

1988 Accessories & Safety Equipment
CHRYSLER MOTORS CONVERTIBLE TOPS - POWER

LeBaron Convertible

DESCRIPTION

The convertible top folding mechanism uses an electric-hydraulic system. The system consists of a control switch, 2 hydraulic cylinders, hydraulic lines, dual relays and an electric motor combined with a hydraulic pump, by-pass valve and reservoir. See Fig. 1.

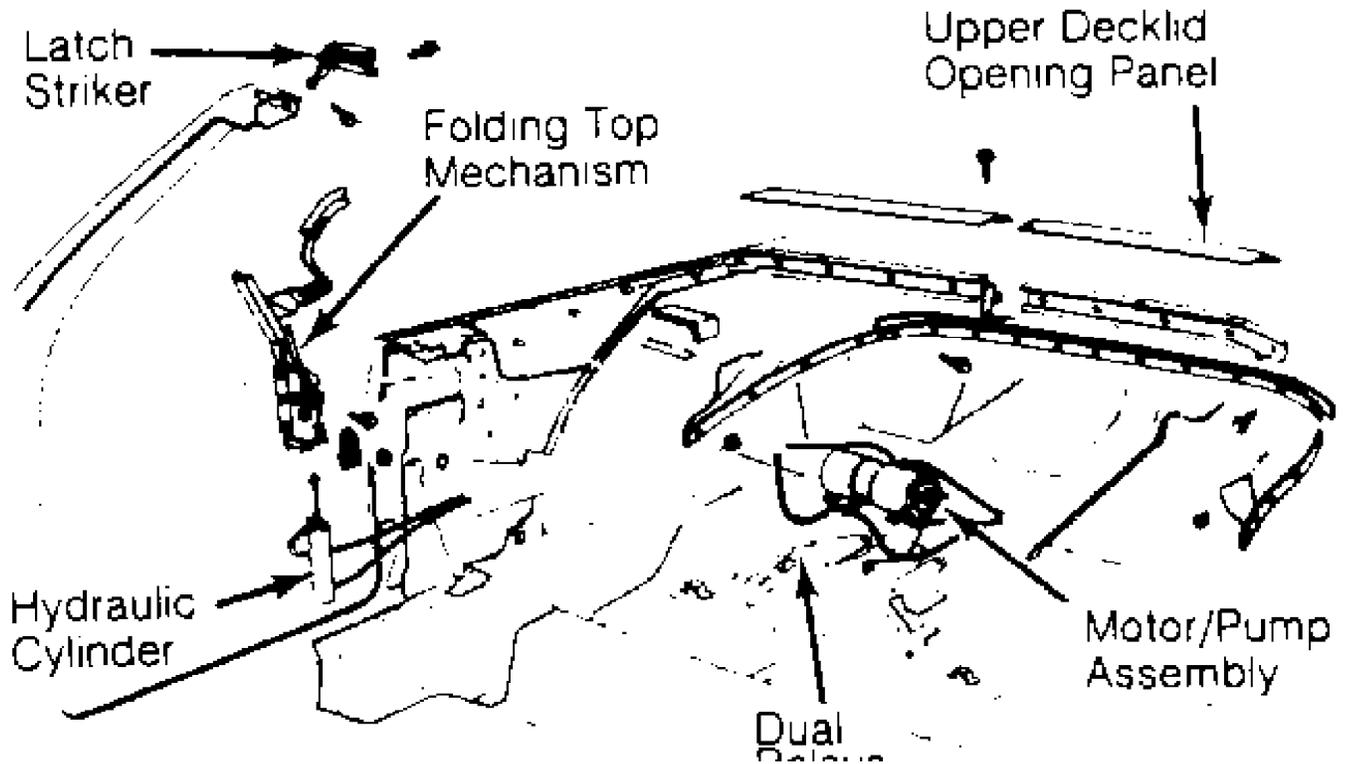


Fig. 1: LeBaron Power Top Component Location
Courtesy of Chrysler Motors.

OPERATION

CAUTION: Never operate convertible top while vehicle is moving.
Place transmission in Park. Ensure that top is dry before lowering and that storage well is empty, including the boot.

LOWERING TOP

Turn ignition switch to "ON" position. Lower all door and quarter windows. Unfasten top latches by pulling handles rearward. These latches are above doors on both sides of vehicle. Move top control switch to "LOWER" position until top pins come free from header. Close latches. Lower the top completely. Install covering boot

over storage well.

RAISING TOP

1) Remove storage well boot. Turn ignition switch to "ON" position. Lower all door and quarter windows. Open latches. Move top control switch to "RAISE" position. Raise top until top pins, under forward edge of top, set into header.

2) Ensure weatherstrip is in correct position. Pull down on front edge of top from inside of vehicle. Guide anchor pins into locating holes. When top is completely closed, align latch hooks. Close handles for latch releases.

NOTE: Convertible top can be manually operated through a by-pass valve located on right vertical surface of trunk. To open by-pass valve, turn valve knob counterclockwise 3 turns. By-pass valve must be closed before power assist can be used.

TROUBLE SHOOTING

HYDRAULIC OPERATION

1) If fluid level in hydraulic system is too low or by-pass valve is open, top may raise slowly. Low fluid condition can also cause abnormal noises in pump or motor during operation. To check fluid level, top must be in raised position. Remove reservoir fill plug and check fluid level. If level is low, find and repair leak in system.

2) Check lines for breaks, loose connections or damaged seals at line connections. Repair or replace components as necessary. Fill reservoir until fluid runs back out of filler hole. Reinstall filler plug. Lower and raise top. Recheck reservoir level and fill if necessary.

3) Hydraulic pump, reservoir, and electric motor are replaceable only as an assembly. Individual hydraulic cylinders are replaced as an assembly. Hydraulic lines are replaced as assemblies, although seals are replaceable individually. Linkage parts are available individually.

ADJUSTMENTS

SIDE-TO-SIDE ADJUSTMENT

Loosen pins. Position pins in slots so center line of both pins are aligned with both windshield header mounted striker holes. Tighten pins.

LATCH HOOK ADJUSTMENT

Loosen set screw and turn hook counterclockwise. Tighten set screw. Hook has an adjustment range of 1.00" (25.4 mm) minimum to 1.40" (35.6 mm) maximum. One turn of hook counterclockwise extends hood .04" (1.0 mm)

CONTROL LINK ADJUSTMENT

With top latched to header, loosen both bolts just enough to permit moving link up or down. Push upward on front-to-center rail joint. Rails should be pushed up by hand as far as possible. With control link adjusting bolts loosened, allow control link to seek its proper position. Tighten bolts while rail assembly is held in

position.

ROOF SIDE RAIL ADJUSTMENT

Front-to-center door rail adjustment is made by turning a small wheel which is accessible through a hole in lower surface of center rail. Turn wheel with a screwdriver until rails are aligned to match top edges of door and quarter glass.

REMOVAL & INSTALLATION

HYDRAULIC CYLINDER R & I

1) Disconnect negative battery cable. Remove nut and mounting bracket from cylinder. See Fig. 2. Disconnect cylinder eyelet attachment. Retain isolator washer for reassembly.

2) Disconnect hydraulic lines from cylinder. Remove cylinder. To install cylinder, reverse removal procedure. Replace any seals that look damaged or worn. Fill system with new fluid.

NOTE: Use only Dexron III, transmission fluid.

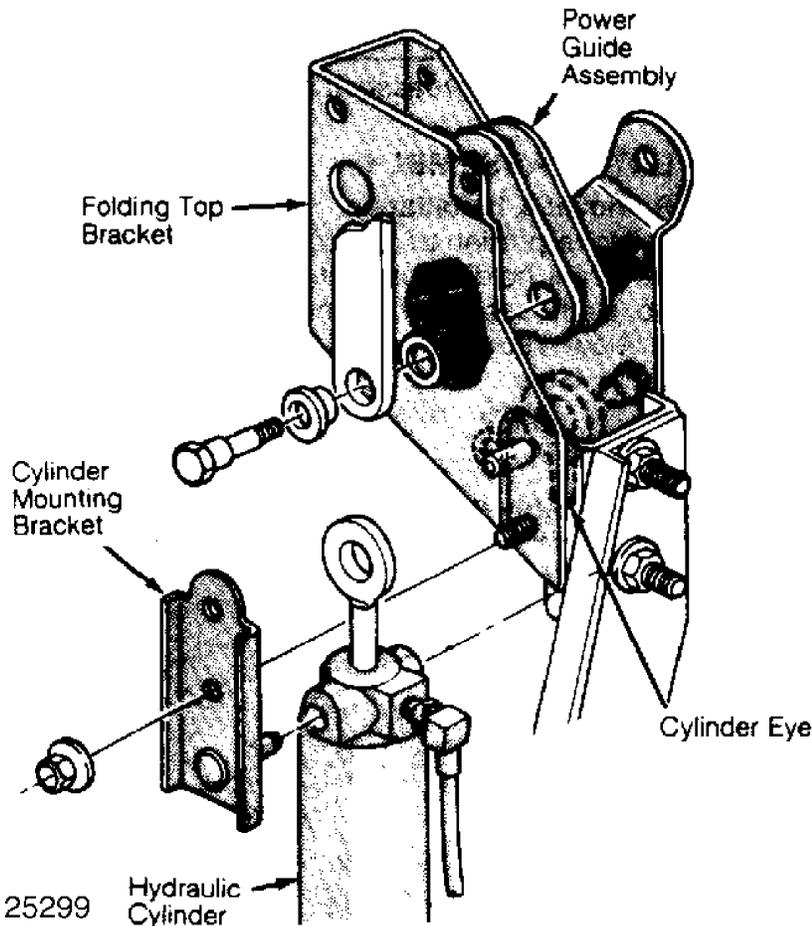


Fig. 2: Hydraulic Cylinder & Mounting Bracket
Courtesy of Chrysler Motors.

HYDRAULIC LINE SEALS R & I

Disconnect negative battery cable. Disconnect hydraulic lines at pump. Replace seals. To install, reverse removal procedure. Be careful to position seals correctly.

MOTOR/PUMP RESERVOIR R & I

Disconnect negative battery cable. Disconnect all wiring from motor, including ground cable. Disconnect hydraulic lines from pump. Rubber mountings are pressed and locked into bracket. Lift up motor/pump assembly and remove. To install, reverse removal procedure.