

# BORGESON

**Steering You Forward**

## 800128

*Full-Sized Ford P/S Upgrade*

### PARTS AVAILABLE FOR THESE APPLICATIONS:

Part #	Description
990018	Half Rag Joint 17mm DD, for direct connection to rag joint flange at the base of the column.
800330	Saginaw P/S pump upgrade. SBF 289/302/351W. Includes P/S pump, bracket and pulley.
800336	Saginaw P/S pump upgrade. 390/428 Ford FE Includes P/S pump, bracket and pulley.
925118	P/S Hose kit. 2 Piece rubber, Ford P/S pump to Ford 800128 conversion box. V-8
925119	P/S Hose kit. 2 Piece rubber, Saginaw P/S pump to Ford 800128 conversion box. V-8

### REMOVAL:

- Disconnect existing power steering hoses and drain fluid into a catch pan.
- With a pitman arm puller remove pitman arm from gearbox. A whack or two on the side of the arm while under tension from the puller will help loosen up stuck arms.
- Split the existing rag joint at the column by unbolting the flange.
- Remove the three bolts securing the box and remove the steering box from the car.
- Loosen the under dash and firewall mounts for the column and slide the column back into the car slightly.

**NOTE:** Cars with original factory manual steering will require a power steering pitman arm.

### INSTALLATION:

- Install the new half rag joint connector #990018 on the new gear box. Be sure the shaft is fully engaged into the rag joint and tighten the set screw then lock nut.
- Using the installed rag joint, center the steering box by turning the box full to one side then counting the revolutions as you turn the rag joint completely to the other side. Now bring the box back to center by only rotating it half of the total turns. Total box turns will be +/- 3.5 with 1.75 turns from full lock to center. At the center position the metal rag joint flange attached to the gearbox will be vertical.
- With the provided bolts, bolt the steering box to the frame.
- With a helper supporting the steering column inside the car lift up and push the column back toward the steering box making sure to properly align the bolt holes and safety pins. Bolt the steering column rag joint flange to the new rag joint with the hardware provided.
- Tighten the steering column dash and firewall mounts.
- Install the pitman arm on the gearbox and fasten with new nut and lock washer provided.
- Connect the gearbox to the power steering pump with either hose kit #925118 for stock Ford pump applications or hose kit #925119 to connect to one of our Saginaw P/S pump upgrade kits. The pressure line is the larger 1 1/16 hose port located closest to the engine.
- Fill the power steering system with a quality P/S fluid. With the engine running check new system for leaks and bleed off any air trapped in the system by slowly turning the wheel full left to full right with the wheels off the ground. **Be sure to keep reservoir full.**

Borgeson Universal Co., Inc.  
9 Krieger Dr. Travelers Rest, SC 29690  
www.borgeson.com