



# Technical Information

## Power steering kits

Suitable for

## Ford tractor applications

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Bulletin	UK	Export	Vap	Issued
PAA2931 (TB1007)	Yes	Yes	Yes	1 <sup>st</sup> December 2006



The kit components are:

1 x power steering pump	1 x 'O' ring
2 x 10mm x 100mm bolts c/w nuts	1 x reservoir
1 x steering ram assembly	1 x drag link end
1 x 1/4" BSP plug	1 x oil pressure switch
1 x mounting plate	2 x 7/8in UNC bolts
3 x hose clips	1 x 200mm hose
1 x 900mm hose c/w 1 JIC fem fitting	
1 x 700mm hose c/w 2 JIC fem fitting	

Vap no	Description	Application
VPJ 4044	Power steering conversion kit	Ford 4000
VPJ4045	Power steering conversion kit	Ford 5000

#### Fitting Instructions:

- 1) Remove steel plate below battery charging unit.
- 2) Remove oil pressure switch and fit 1/4" BSP plug. (Not necessary on Ford 5000.)
- 3) Remove 1/8" BSP plug located below core plug (mid engine, early models). Rev counter drive (later models) and fit new oil pressure switch. Fit wire to switch. (Not necessary on Ford 5000).
- 4) Remove drag link.
- 5) Fit 'O' ring to pump, and place into hole below charging unit. Be sure to have the threaded fitting facing the ground.
- 6) Secure pump in position using new bolts provided, do not over tighten as pump may have to be aligned with hoses.
- 7) Fit 200mm hose to the base of the reservoir, be sure to fit the 2 larger hose clips on the hose.
- 8) Remove front rocker cover bolt (above the charging unit). Push the 200mm hose on to the top of the pump. Secure the reservoir to the front rocker cover bolt position.
- 9) Tighten hose clips, rocker cover bolt and the pump mounting bolts.
- 10) Fit the mounting plate to the gear box casting below the cab line, using the 7/8" UNC bolts. Be sure that threads are clear from rust and dirt.
- 11) Fit the steering ram to the axle steering arm and the mounting the mounting plate, the steering ram fittings should be nearest the axle.
- 12) Fit the new drag link to the steering box drop arm and the sensing valve on the steering ram. Adjustments should be made at this point to left and right turning angles, by using threaded track rod ends on the drag link and steering ram.
- 13) Tighten all steering parts. Be sure that the sensor valve does not foul the tractor castings, this can be done turning the ram and clamping the ram to the track rod ends.
- 14) Fit the 700mm hose to the underside of the pump and the front fitting nearest the axle on the steering ram.
- 15) Fit the 900mm to the other fitting on the steering ram and the base of the reservoir. Be sure that the hose clip is on the hose.
- 16) Tighten all hoses to the pump, steering ram and reservoir. Be sure that the hoses are not taught in any way or are in contact with any part of the tractor.
- 17) Fill the reservoir up with Automatic transmission fluid (ATF).
- 18) Lift the front of the tractor of the ground, start the engine and turn steering from lock to lock.
- 19) Check the oil level, fill if necessary.
- 20) Inspect for leaks lower front of tractor.

Original equipment manufacturers names and part number are quoted for reference purposes only and are not intended to infer that our replacement parts are used as original equipment.