

Technical Cover Sheet for 8099 955 651

Servocom

Exploded view: ---
 Technical View: ---
 Customer: Renault Trucks
 Vehicle Type: P2685, Renault Trucks T/K, FAA20
 Driver's position: right hand drive
 Customer part number: 250403

B - measure: 80 mm
 C - measure: 137 mm
 R - measure: 321.5 mm

Worm right-hand

Sector shaft on the left (seen from driver's view)

Piston in front of steering gear

Requir. flow rate of pump circuit 1 (engine-driven): 25 l/min
 Requir. flow rate of pump circuit 2 (wheel-driven): 16 l/min

Without automatic bleeder

Steering ratio: variable
 Steering ratio: 20.0 / 17.0 / 20.0 : 1
 Total steering wheel turns: 4.8

Torsion bar diameter: 7 mm

Pressure port P1: M18 x 1.5 at bottom of changeover valve ,points forwards
 with screen insert and check valve in the screw connection (fig. no.530)

Pressure port P2: M18 x 1,5 at bottom rear of changeover valve
 with screen insert and check valve in the screw connection (fig. no.530)

Return port T1: M18 x 1.5 at bottom rear of changeover valve

Return port T2: M18 x 1.5 at bottom of changeover valve ,points forwards
 With hydraulic steering limiter on the right in the piston for automatical adjustment (splined pin modified)

Setting range of the hydraulic steering limiter: 31.5 - 46.5 degrees

Sector shaft with tapered serrations: B 2 5/16" x 48 AS ZGN 738

5 mounting threads: M20 x 1.5 at LH side of housing

Numbers of painted mountig boss: 1 with tapped hole front below

Stub connection: 1 x 79 AS ZGN 715

Pressure relieve valve: 170 + 15 bar at bottom LH side of housing

Replenishing valve: integrated in valve slide

Power cylinder ports A at change-over valve: M16 x 1.5 at rear left, at bottom left with screen insert

when the input shaft is turned clockwise, these are pressurized

Power cylinder ports B at change-over valve: M16 x 1.5 at rear right, at bottom right with screen insert

when the input shaft is turned counterclockwise, these are pressurized

Screw plug M18x1.5 at bottom front side of housing

Sector shaft with lock nut

Type plate on the cylinder cover

Dust seal with retaining ring and seal

Plug with seal recessed

Contact switch of change-over valve with Packard connector

INSTALLATION NOTE:

Tightening torque of the lock nut: M45 x 1.5; SW 70 (Bild-Nr. 50): 700 +/- 10% Nm

Tightening torque of the steering mounting screw: M20 x 1.5 (ISO 8765. Qualität 10.9) 520 +/- 10% Nm

Tightening torque of the pipe union on the steering: 120 Nm

When the pipe union nuts are tightened, hold fast the screw connections

As at: 26.04.2019

