STARTER - PARIS-RHONE

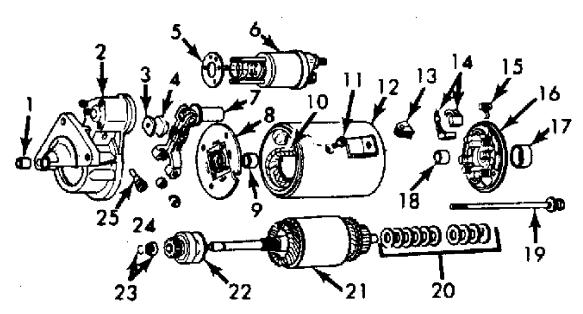
1988 Jeep Cherokee

Starters JEEP PARIS-RHONE

Cherokee, Comanche, Wagoneer

DESCRIPTION

Starter is a 4-pole, 4-brush type direct series wound motor. The engagement mechanism is integral with the starter and controls switching on and off of motor and shifting of the starter pinion.



- 1. End Housing Bushing
- 2. Drive-End Housing
- Spacer
- 4. Pad
- Solenoid Plate
- Solenoid
- Pinion Shift Yoke
- 8. Support Plate
- 9. Support Plate Bushing
- 10. Field Winding & Pole Shoe Sets 22. Starter Drive Pinion
- 11. Pole Shoe Screw
- Armature Housing

- Grommet
- Brush Set
- 15. Brush Spring
- 16. Brush Holder
- 17. Cap
- 18. Brush Holder Bushing
- 19. Through Bolts
- 20. Armature Brake Assembly
- Armature
- Drive Pinion Stop.
- 24. Shift Yoke Pivot Pins
- 25 Shift Yolk Axle.

Fig. 1: Exploded View of Paris-Rhone Starter Motor Courtesy of Chrysler Motors.

- 1) Voltage is applied to ignition switch through fuse "B" at all times. Voltage is also applied at all times to the contact on starter solenoid, terminal "B".
- 2) With ignition switch in "START" position, battery voltage is applied from fusible link "B", to ignition switch, and to the coil of the starter relay to ground.
- 3) The coil of the starter relay engages closing relay contacts. With start relay contacts closed, battery voltage is applied to starter solenoid. Both solenoid windings are energized.
- 4) The pull-in and hold-in windings work together to magnetically pull starter gear into ring gear. At the same time the plunger also closes solenoid switch contacts in the starter solenoid. Full battery voltage is now applied directly to the starter motor and it cranks the engine.

NOTE: Use the amperage draw reading after the starter motor has obtained its maximum RPM.

TROUBLE SHOOTING

- * Check the battery for a broken or cracked casing.
- * Check that all connections to battery and starter are clean and tight.
- * Check electrolyte level of battery. Levels that are too high or too low may cause poor starter motor performance.
- * Check battery by measuring specific gravity of electrolyte in each cell with a hydrometer.

NOTE: No further testing or troubleshooting procedures available from manufacturer.

STARTER SPECIFICATIONS

STARTER MOTOR SPECIFICATIONS TABLE

Application Spec	cification
Cold Cranking Voltage (Minimum)	9.6 Volts
Cherokee & Wagoneer	

TORQUE SPECIFICATIONS

TORQUE SPECIFICATIONS TABLE

Application	Ft.	Lbs.	(N.m)
Left Side Engine Mount-to-Block Left Side Engine Mount-to-Bell Housing Bolt Left Side Engine Mount-to-Frame Sill Bolt Starter Mounting Bolts		35	(54) (47) (65) (50)
	INCH	Lbs.	(N.m)
Starter Relay "B+" Terminal Nut		1	.8 (2)