

DELCO-REMY

DESCRIPTION

Enclosed shift lever type, having an extruded frame, four poles and a compound field. Drive end housing is extended to enclose entire shift lever mechanism and plunger to protect them from dirt. Solenoid is flange mounted onto drive end housing and is sealed to the drive housing by a sealing compound. Shift lever return spring is compression type and is located inside solenoid case.

TESTING & CHECKING

SOLENOID WINDINGS

With all leads disconnected from solenoid, check pull-in winding or hold-in winding as follows:

Hold-In Winding – Make test connections as shown in illustration. Use carbon pile to decrease battery voltage to value specified in specifications. Compare ammeter reading with specification. If reading higher than that shown in specifications, winding is shorted or grounded. If reading is lower than that specified, it indicates excessive resistance.

Pull-In Winding – Check in same manner as Hold-In Winding Test, except connect ammeter and voltmeter between solenoid switch terminal and solenoid motor (M or MOT) terminal. **CAUTION** – Do not leave pull-in winding energized more than 15 seconds. Current draw will decrease as winding temperature increases.

PINION CLEARANCE CHECK

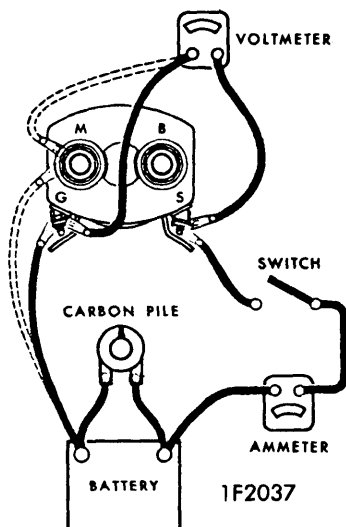
Connect an electrical source of approximately 6 volts between solenoid "S" terminal and ground. **CAUTION** – Do not use more than 6 volts or motor will operate. As a further precaution, connect a heavy jumper wire from solenoid motor terminal to ground. After energizing solenoid, push pinion away from stop retainer as far as possible and use feeler gauge to check clearance between pinion and retainer.

Clearance should be .010"-.140". **NOTE** – Pinion clearance is not adjustable. If clearance not within specifications, motor must be disassembled and checked for defects.

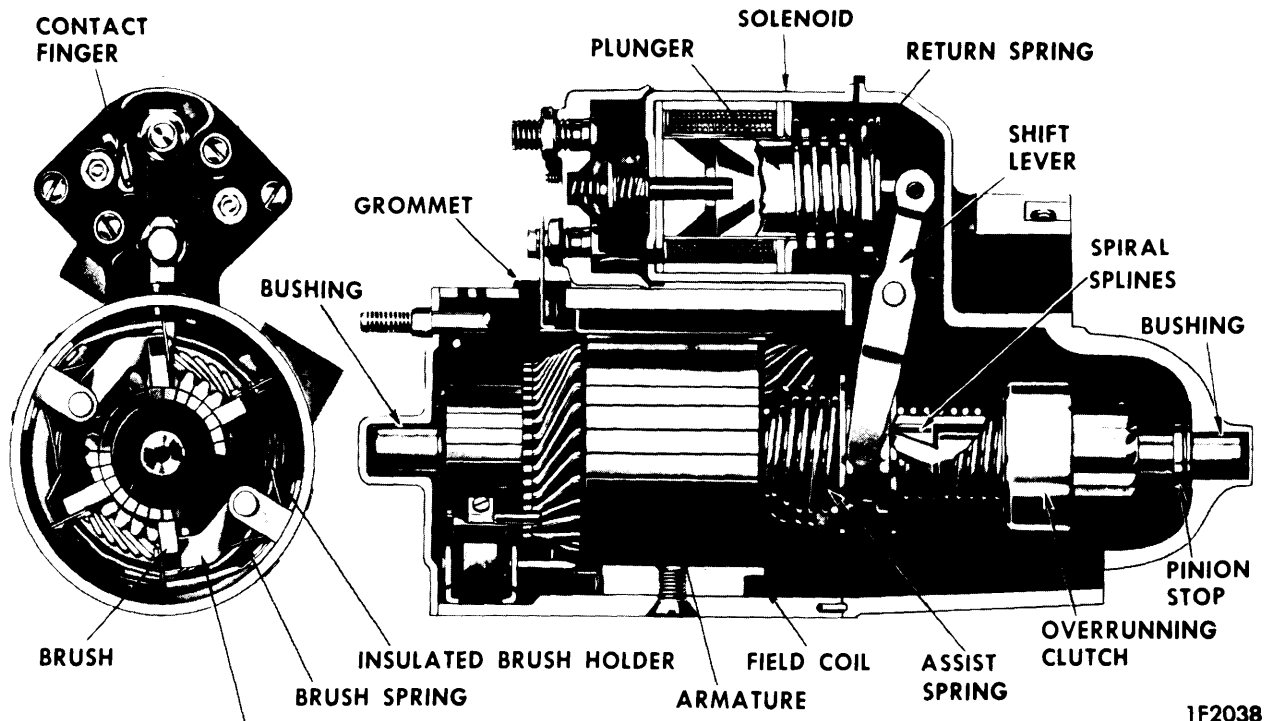
SPECIFICATIONS

Solenoid Number	Pull-In Winding ① Amperes	Hold-In Winding ② Amperes
1114336 thru 382	13-15.5	14.4-16.5

- ① – At 5 volts.
- ② – At 10 volts.



SOLENOID WINDING TEST CONNECTIONS
(TERMINAL LOCATIONS MAY VARY)



DELCO-REMY ENCLOSED HOUSING SOLENOID PINION SHIFT ASSEMBLY