

Motor Test, No Load

Note Securely fasten motor in a suitable fixture before proceeding with this test.

1. Use a battery rated at 360 CCA (72 amp hrs) or higher.

The battery must be fully charged – to a specific gravity of 1.260 to 1.280 corrected to a temperature of 80° F (27° C). Refer to **Battery Specifications, Electrical Section**.

2. Connect a 0-50 amp ammeter in series with the battery's “+” terminal, ammeter RED lead toward battery.

1 3. Attach or hold a vibration or mechanical tachometer to the motor while performing this test.

1 4. Monitor motor RPM and current draw. Refer to the chart below for the correct specifications for your motor.

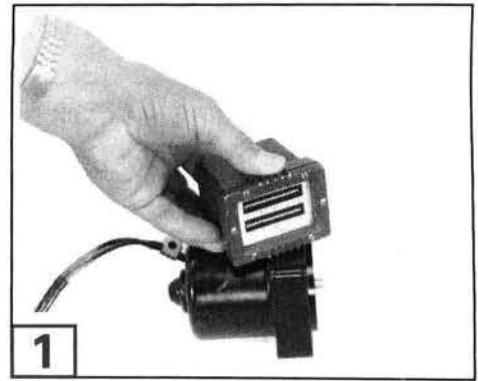
2 5. The motor shaft must rotate clockwise, as viewed from the pump end, when battery “+” is applied to the BLUE lead.

3 6. The motor shaft must rotate counterclockwise, as viewed from the pump end, when battery “+” is applied to the GREEN lead.

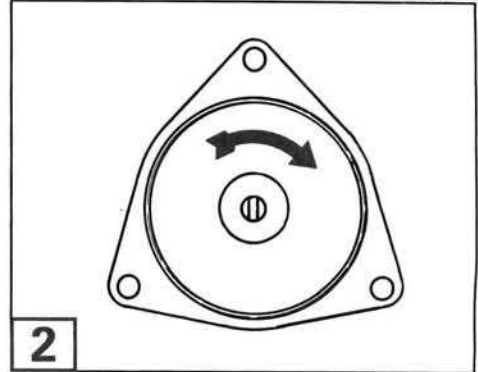
7. If your test results vary, replace the motor.

No Load Specifications		
Voltage	Amps (Maximum)	RPM
12	10	7000

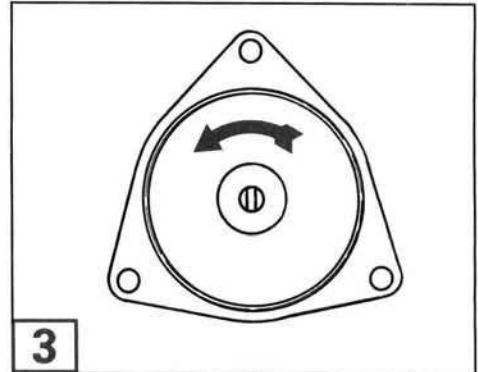
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