VOLTS 12 — BRUSHES 2 — POLES 2

ROTATION

Motor rotates clockwise at drive end. Crank shaft rotates counter clockwise.

NOTE: When testing motor make sure negative terminal of battery is used for ground connection.

BEARINGS

Absorbent bronze.

LUBRICATION

At overhaul, saturate the felt oiling pads around the armature shaft bearings with SAE 20 oil. Drain off excess oil. Apply a thin film of grease to the crank shaft before assembly. Fill gear chamber 3/4 full with a good grade gear grease.

END PLAY

.003" to .010". Adjust by turning adjusting screw in or out as required. Replace the adjusting screw if the nylon lock becomes worn so that it will not hold the setting.

NO LOAD DRAW

(70° F.)
2.0 amperes maximum at 14.0 volts.

TEST CONNECTIONS

RUN
Connect battery positive to brown or black lead.
Connect battery negative to motor frame.

PARK
Connect battery positive to blue lead.
Connect red lead to brown or black lead.
Connect battery negative to motor frame.

PARKING ADJUSTMENT

Have motor cold and test with a load on the crank shaft. Adjust to parking angle shown in tabulation by turning the switch plate. Final adjustment should be made after installation using a wet windshield.

Unit	Parking Angle
PMB-4001	A
PMB-4002	B

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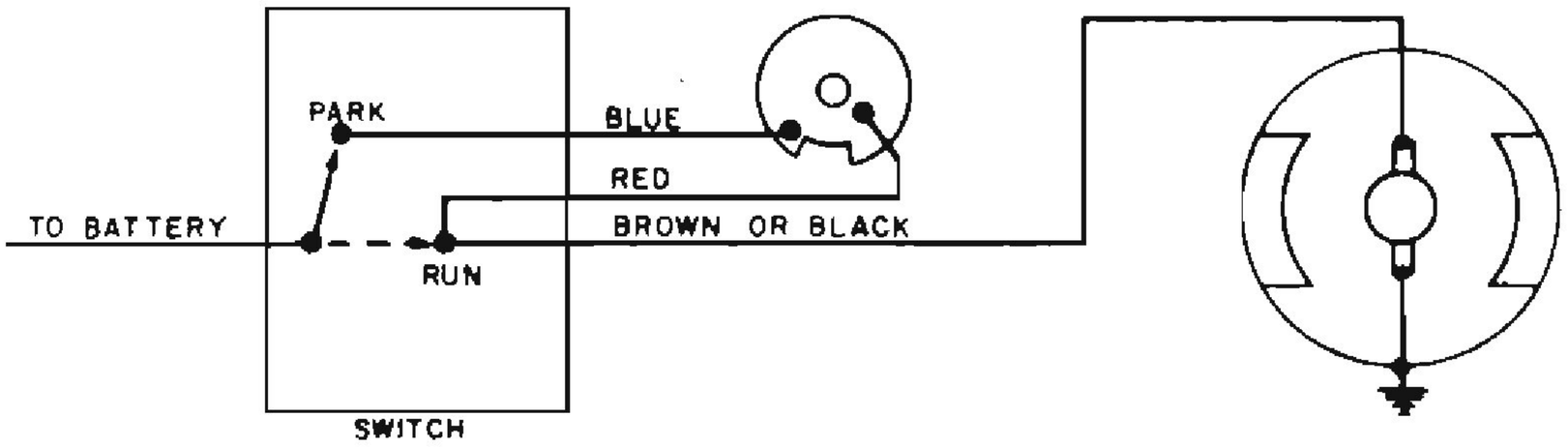
PARKING ANGLE

A. The flat surfaces of the crank shaft should be at a 15° ± 5° angle to the motor centerline after passing a line parallel to the motor centerline.

B. The flat surfaces of the crank shaft should be at a 18° ± 5° angle to the motor centerline after passing a line parallel to the motor centerline.



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