

HP100

SPRAGUE DEVICES, INC.

HP-100 AIR WIPER MOTOR

A New Generation Of Air Wiper Motors.



The Sprague HP-100 air wiper motor is designed for top efficiency and dependability with minimum maintenance and down time. The HP-100 is durability tested for 4.5 million cycles and every motor is prequalified by a run-in period after assembly.

To insure that the Sprague wiper motors you receive will deliver top performance, every motor is 100% tested for rated

wipe angle, speed, park position and external leakage. In addition, the shaft to gear weldment is torque tested.

This new motor replaces the standard Sprague Challenger motor. The shaft and mounting hole centerlines are the same as the Trico APMS* for easy retrofit or replacement.

For complete information call us toll-free at (800) 245-7691.

Design Features

- Aluminum and zinc materials for strength, durability and less weight at 27 oz.
- Four moving parts for simplicity and maximum service life.
- Rack & pinion power train for maximum strength.
- Simplified valving for positive reversal through pneumatic mechanical action.
- Delrin** and Teflon Acetyl internal valve parts for long life and resistance to contaminants.
- Intermittent wiper feature available.
- Available in 3/8" dia. motor shafts.

Performance Features

- Delivers up to 230 inch pounds of torque at 100 psi.
- Small size is ideal for applications with limited space.
- Fits systems using direct drive or linkage applications.
- Parking available for either right or left side.
- Available in any preset wiper angle from 40° to 105°.

Quality Assurance

- HP-100 wiper systems exceed OEM durability requirements of 4.5 million cycles.
- Every motor is pre-qualified prior to final performance testing.
- Every motor is set for high speed operation under typical wet windshield loading.
- Every motor is tested for wipe angle, speed, torque, park position and leakage.
- Quality control process insures parts meet print specifications.

*Trademark of Trico Products Corporation.

**Trademark of DuPont Corporation.



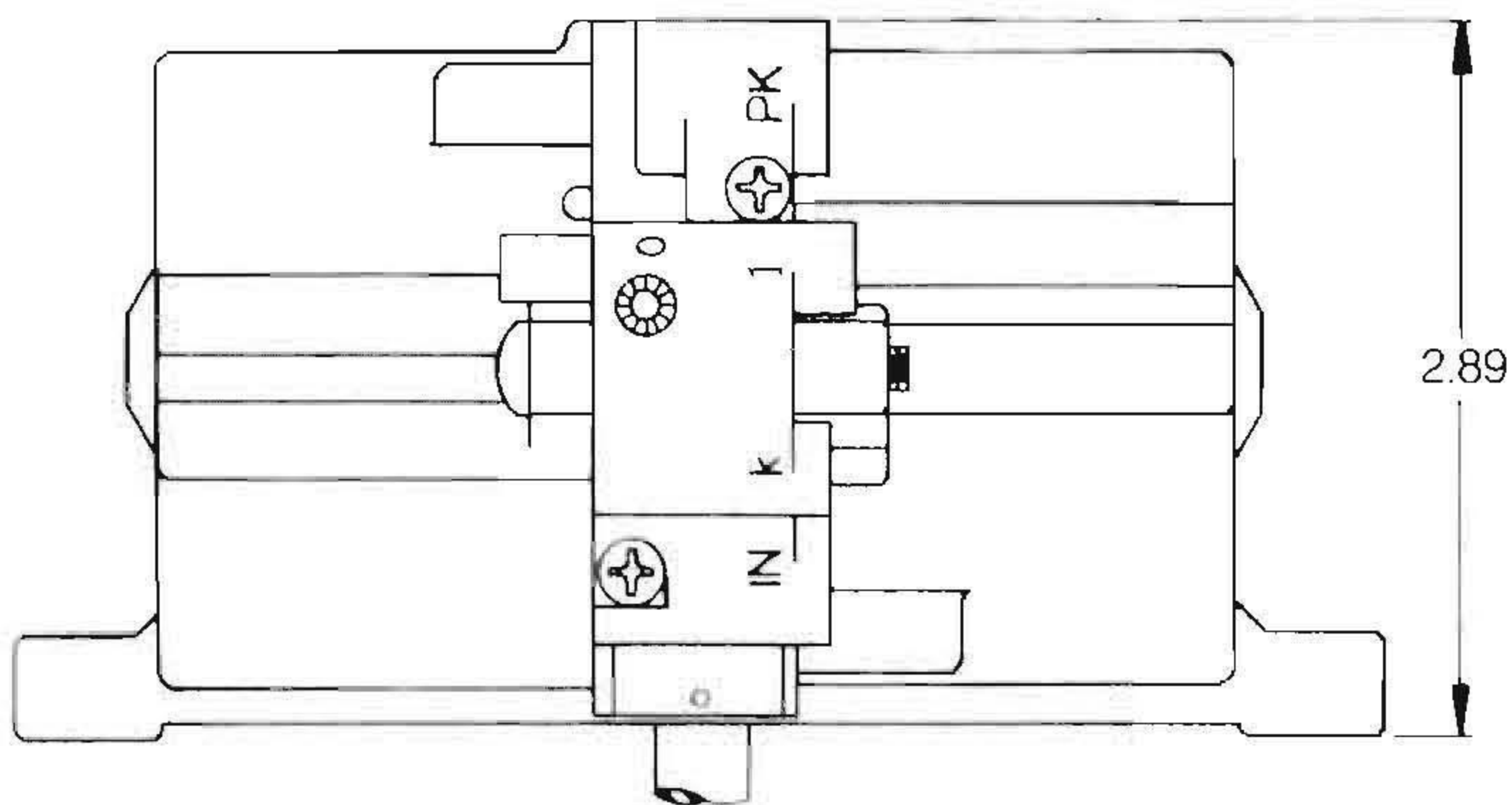
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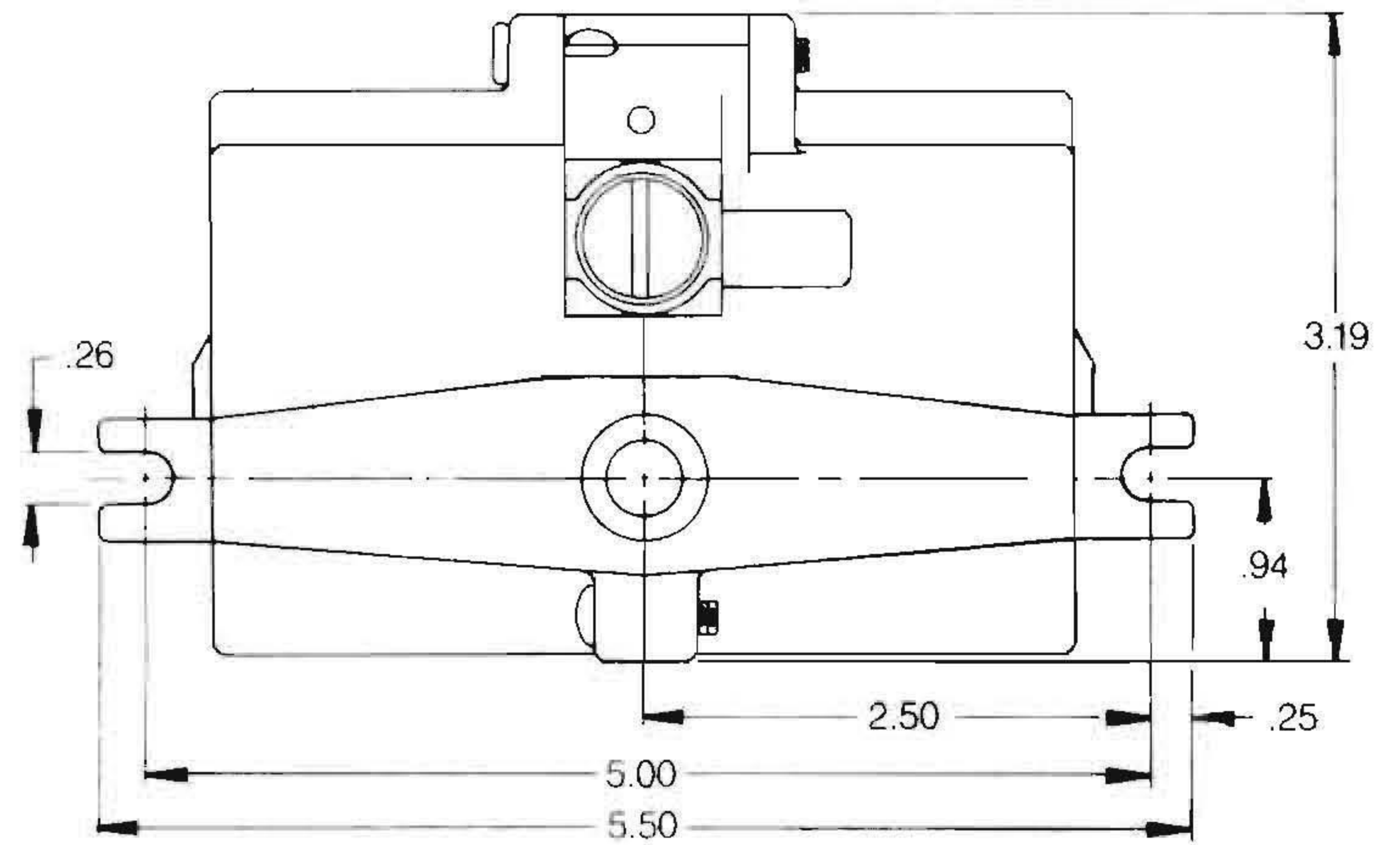
SPECIFICATIONS

DETAIL DRAWINGS

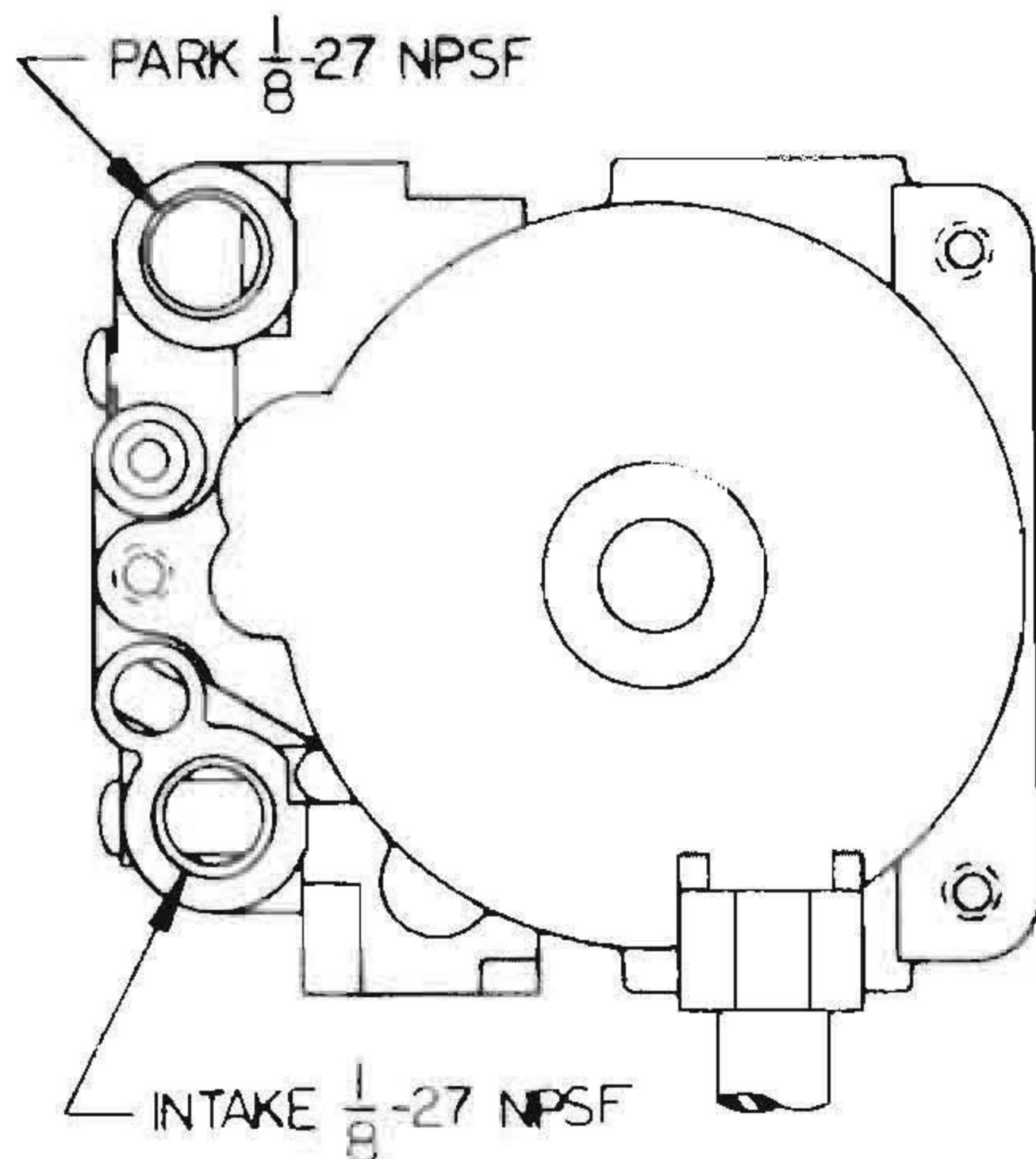
TOP VIEW



FRONT VIEW



END VIEW



CFM, CPM AND STALL

Maximum C.F.M., C.P.M. and Stall Torque 105° HP-100

