

# New Port Engineering

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Installation Instructions  
"Clean Wipe" Wiper Drive  
1955-57 Thunderbird

## **Vacuum Motor**

1. Disconnect the wiper transmission linkage arms from the vacuum motor.
2. Remove the vacuum wiper motor and plug all vacuum lines.
3. Remove the rubber bushings from the end of the wiper transmission linkage arms.

## **Wiper Drive Installation**

1. Remove the wiper blades and arms.
2. Install the replacement nylon bushings in the wiper transmission linkage arms.

See Figure 1.

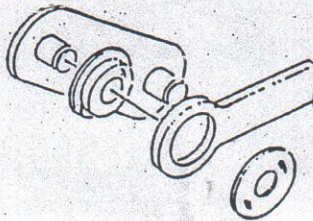


Figure 1.

3. Install the wiper drive assembly. Attach the motor mounting plate to the original factory mounting bracket. See Figure 2.

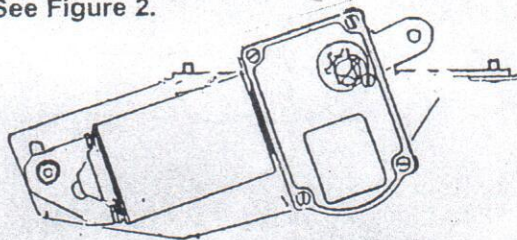


Figure 2.

4. Install the transmission linkage arms on the crossarm of the motor. See Figure 3.

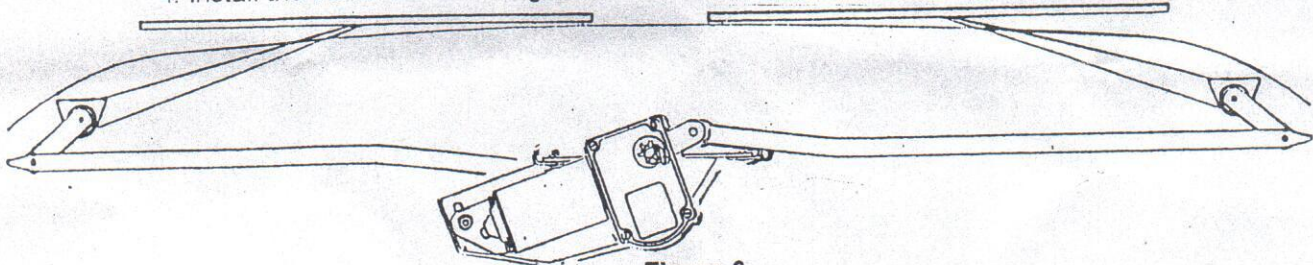


Figure 3.



5. Install the switch in the dash.

**CAUTION:**

Do not overtighten the mounting nuts on the switch. This could cause the switch to malfunction.

6. Connect the hot (RED) wire to the accessory circuit. The motor should be protected with a 6 amp fuse or circuit breaker.

**Note:** Be sure the motor and bracket are grounded.

7. Run the motor on the low and high speed settings.

8. Return the motor to the PARK position.

9. Install the wiper blades and arms. The blades should be located in the PARK position.

See Figure 4.

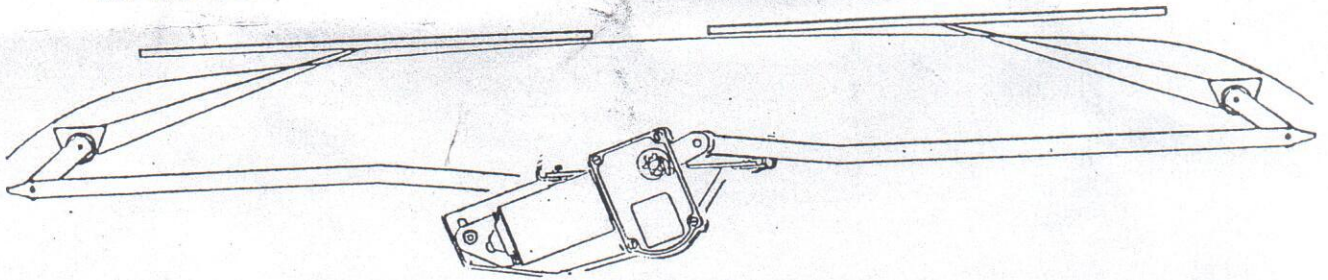


Figure 4.

10. Start and run the wiper through several complete cycles. You may want to moisten the windshield to prevent scratching the glass. Stop the motor during the test cycles and observe the PARK position of the blades. Remove the blades from the wiper transmissions and reposition them in the correct PARK position. If you are still not satisfied with the PARK position it may be necessary to fine tune the wipers by following the instructions in the "Final Adjustments" section as follows.

**Final Adjustments**

The Clean Wipe wiper drive is preadjusted during assembly, but if the owner so desires, the motor may be adjusted to lower the PARK position.

**Caution:**

Always disconnect the power before making any adjustments on the wiper drive system.

Adjusting the PARK position. See Figure 5.

1. Loosen the adjusting screw at the end of the motor.
2. Rotate the motor counterclockwise to raise the PARK position.
3. Tighten the adjusting screw.

Your Clean Wipe windshield wiper drive is now ready for operation.

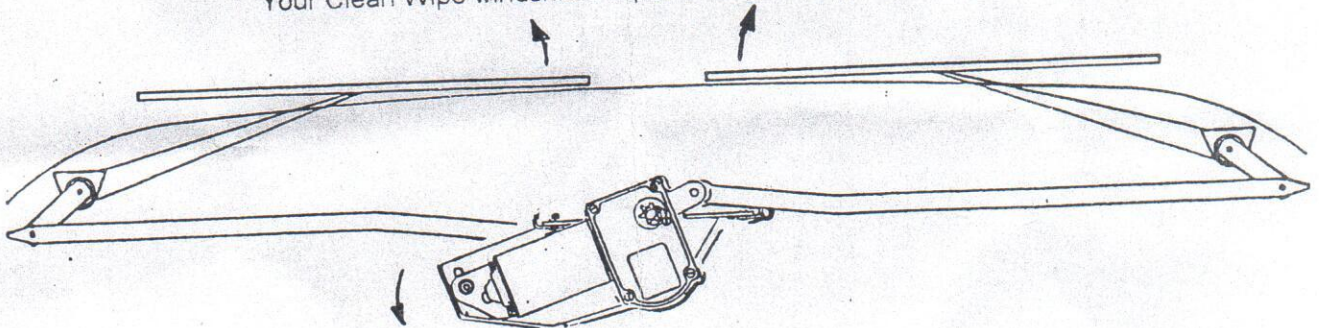


Figure 5.



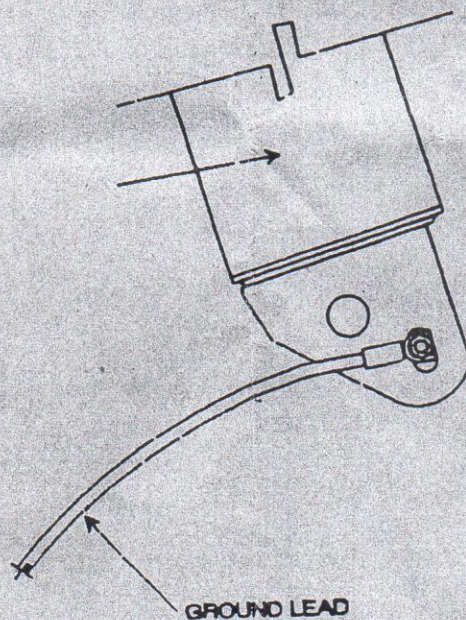
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**ATTENTION:** EACH NEW PORT "CLEAN WIPE WIPER MOTOR" IS DESIGNED TO FIT THE SPECIFIC APPLICATION LISTED ON THE ENCLOSED INSTALLATION INSTRUCTION SHEET. READ THE INSTRUCTIONS FULLY PRIOR TO INSTALLING YOUR WIPER MOTOR. DO NOT MODIFY THE MOTOR OR BRACKET IN ANY WAY TO "MAKE IT FIT". CONTACT YOUR SUPPLIER IF YOU HAVE ANY QUESTIONS.

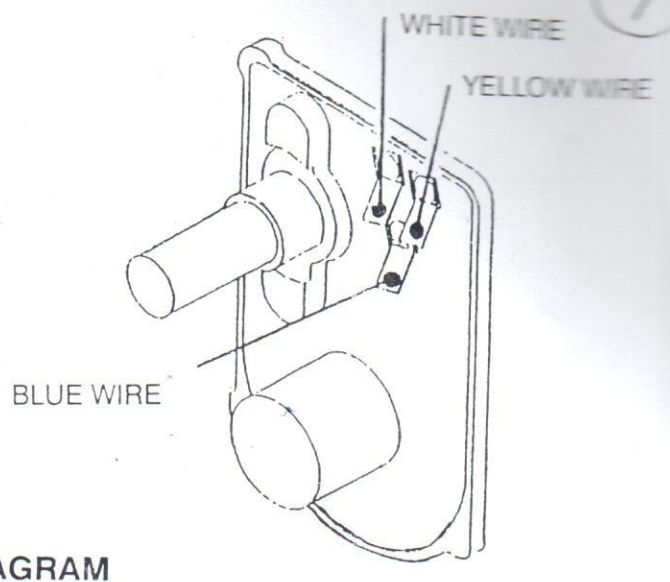
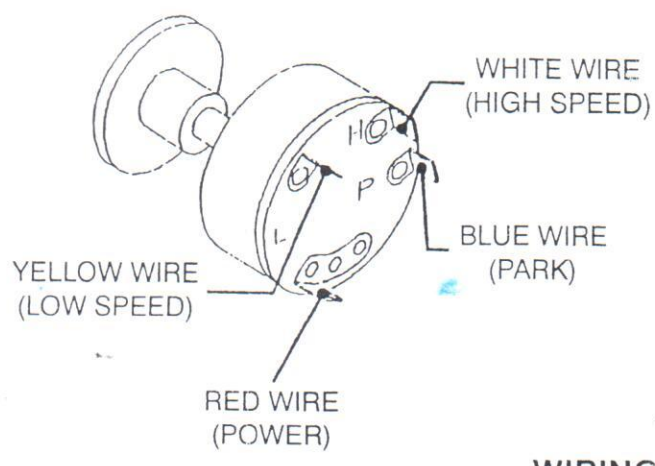
ANY MODIFICATION TO THE BRACKET OR MOTOR WILL VOID THE WARRANTY

YOUR NEW PORT WIPER MOTOR HAS A ONE YEAR WARRANTY FROM DATE OF PURCHASE. NEW PORT ENGINEERING IS NOT RESPONSIBLE FOR INSTALLATION COSTS INCURRED BY CUSTOMER. IF YOU HAVE ANY QUESTIONS, CALL OUR TECH LINE @ 636-239-1698.

**CAUTION:** FOLLOW THE ENCLOSED GROUNDING INSTRUCTIONS. TO INSURE SMOOTH OPERATION OF YOUR CLEAN WIPE WIPER DRIVE, GROUND THE MOTOR AND THE MOUNTING BRACKET. RUN A DEDICATED GROUND WIRE FROM THE ADJUSTMENT SCREW ON THE MOTOR TO A GROUNDING LUG ON YOUR FUSE PANEL, OR A CHASSIS GROUND. DO NOT OPERATE THIS WIPER MOTOR ON ANY VOLTAGE LESS THAN 12 VOLTS. YOU MAY USE UP TO A 6 AMP FUSE.







WIRING DIAGRAM