SERVICE BULLETIN

SERVICE DEPARTMENT... CHRYSLER-PLYMOUTH DIVISION
CHRYSLER MOTORS CORPORATION

TECHNICAL INFORMATION ON [X] IMPERIAL [X] CHRYSLER [X] PLYMOUTH [X] VALIANT

Dec. 19, 1962

No. 63-46

ELECTRICAL

VARIABLE SPEED WINDSHIELD WIPER PARKING OPERATION

1955 THROUGH 1963 IMPERIAL, CHRYSLER, PLYMOUTH AND VALIANT MODELS

P-5230-C

The 1/2 cycle park test is the most effective method to determine if the variable speed windshield wipers used on all 1955 through 1963 vehicles are parking correctly. This test applies particularly to the 1963 Valiant models.

TEST PROCEDURE:

(1) Turn the instrument panel wiper switch to the "on" position and allow the wiper system to run through several cycles.

(2) After the wiper blades reach the top of the wipe pattern, turn the wiper switch to the "off" position allowing the blades to park in a 1/2 cycle of wiper motor operation. If the blades do not park in a 1/2 cycle and require 1-1/2 cycles to park, repeat the switching operation procedure as outlined in the following steps 3 and 4.

(3) Again turn the switch to the "on" position and allow the wiper system to operate for a few cycles.

(4) Turn the switch to the "off" position only this time allow the timing of operating the switch to occur at a position in respect to wiper blade travel that is slightly later than the first operation. Note the cycle requirement to reach the park position.

The wiper blades should park against the windshield moulding at the completion of a 1/2 cycle park test. If they do not, then one of the following three conditions is present in the wiper system.

Wiper Blades Not Adjusted Properly At The Wiper Pivots:

To determine if an adjustment is required, measure the distance at the tip of the wiper blades in their parked position to the bottom of the normal wipe pattern. If the measured distance the wiper blades have traveled to park is two (2") inches or more and the blades are not in contact with the moulding, an adjustment at the wiper pivots is required.

(over)

Service Mgr.	
Shop Foreman	
Technicians	
Parts Mgr.	
Partsmen	

Improper Timing Of The "Park" Switch On The Wiper Motor:

If the park switch is improperly timed it will either shut the motor off too late or too early and cause improper parking of the wiper blades. Adjust the timing of the park switch to provide "shut off" at the lowest point of wiper blade travel under both wet and dry glass conditions.

Faulty Parking Mechanism:

If at the 1/2 cycle park test the measured travel of the wiper blades from the normal wipe pattern to the park position is less than two (2") inches, improper operation of the parking mechanism is indicated. On the 1963 Valiant model wiper system, improper operation of the parking mechanism may be caused by incorrect assembly of the parking spring release and the parking cam.

It is possible to assemble the components in a number of different ways that will give improper parking, but still allow the balance of the system to operate normally. However, this will only happen when the switch "shut off" is timed at a point for more than one cycle travel to the park position. Therefore, it is essential to use the 1/2 cycle park test, subjecting the parking mechanism to the most severe test of its operating ability.

For correct assembly sequence of the park mechanism components, refer to the illustration on page 3 of this bulletin.

Parking Spring Lubrication (All Variable Speed Wipers):

It is highly recommended for maximum part life to use MoPar Led-Plate Lubricant, Part No. 2275437, on the parking spring when it is serviced. Lubricate all rubbing surfaces of the spring and pin area. Do not use lubriplate or any other lubricant. The use of substitute lubricants may result in noisy operation, rapid wear of components and premature failure of the parking mechanism.

POLICY: INFORMATION ONLY.

J. W. Farley

J. W. FARLEY
Manager-Service
CHRYSLER-PLYMOUTH DIVISION

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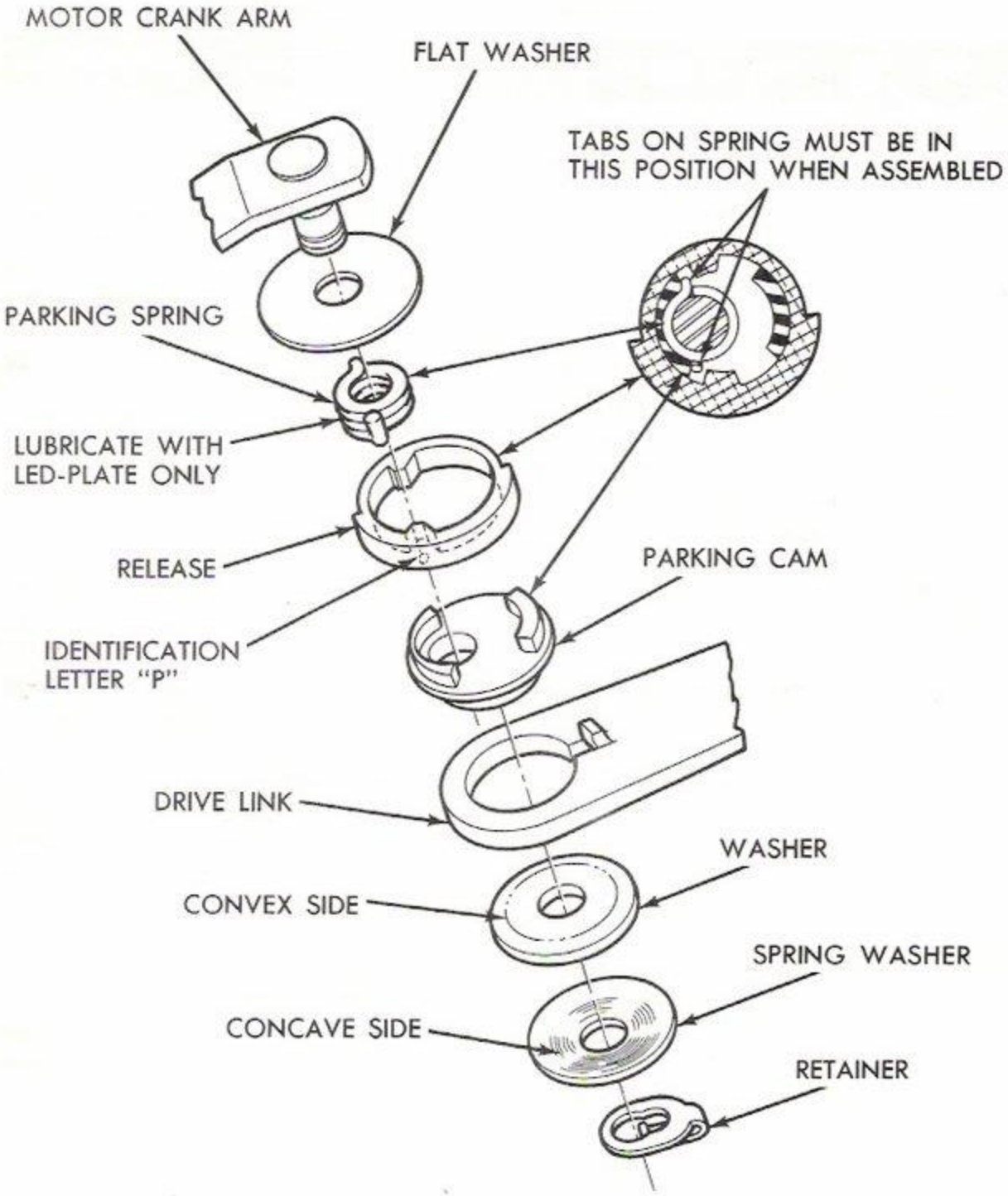

1963 VALIANT VARIABLE SPEED
WINDSHIELD WIPER PARKING MECHANISM

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