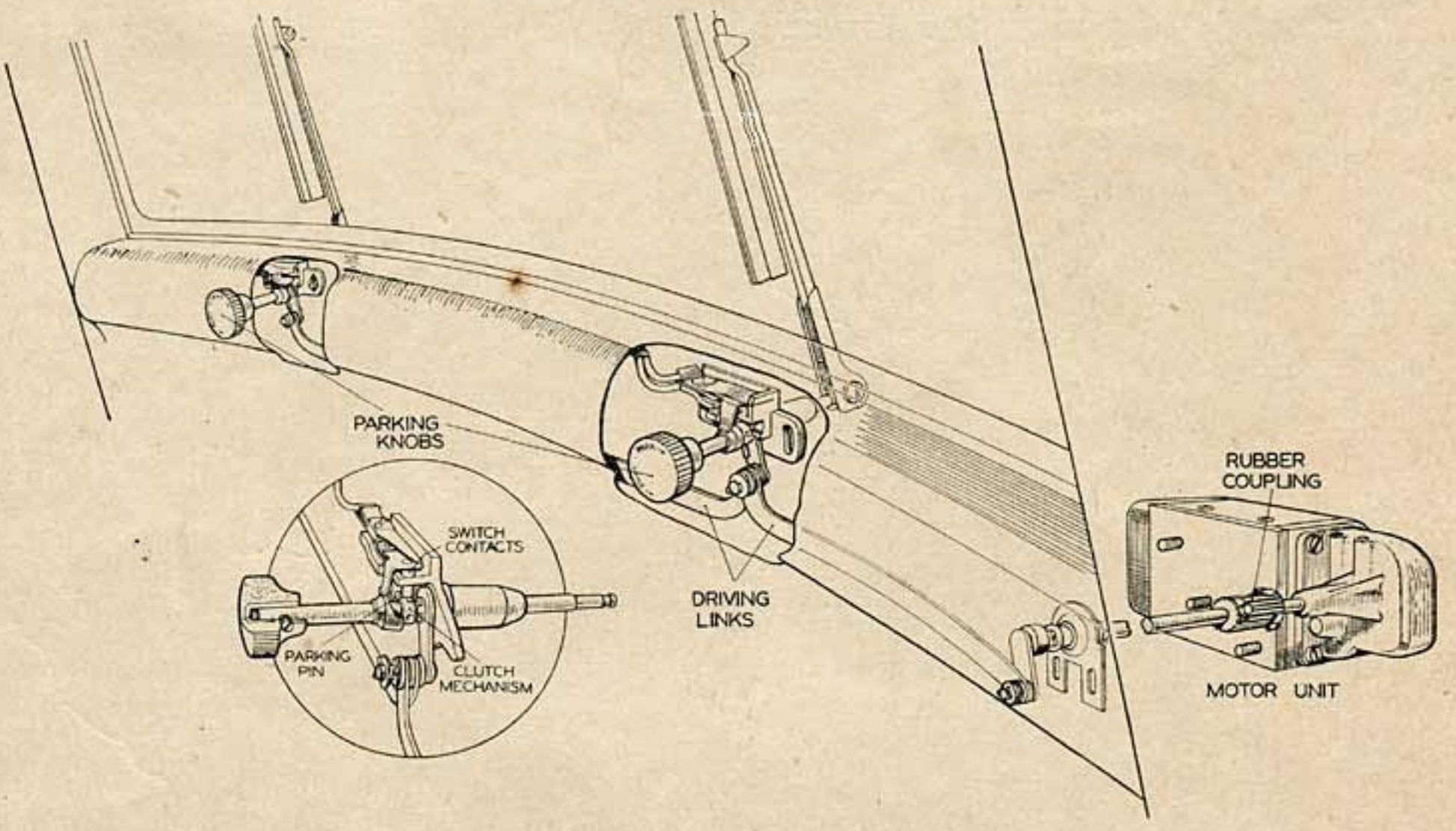
LUCAS

Dual Arm Screen Wiper Type SW4

with Motor under Scuttle

The motor, which is of robust construction, is mounted on the engine side of the dashboard under the scuttle.

A reduction gearbox is incorporated with the motor, from which the drive is transmitted through a continuously rotating shaft. A crank on the end of the shaft is connected by links to two clutch-boxes which transmit motion to the wiper spindles. The starting switch is incorporated with one of the clutches—the action of rotating the knob puts the blade on to the screen, engages the clutch and switches on the motor.



A useful feature of this wiper is the separate parking control on the passenger's side. This enables the second arm to be parked while the arm on the driver's side is in operation. In addition, the separate controls render the operation of parking a simple and easy one.

(Continued overleaf.)

In operation, these wipers are practically inaudible, even on cars with the quietest of engines, since the motor and gear box are mounted on the engine side of the dash, away from the occupants of the car. Further precautions taken to render these wipers silent in operation are by mounting the wiper on sponge rubber, and by incorporating a rubber coupling in the shaft from the motor unit to the driving mechanism.

When the wiper is not in use the twin blades lie neatly below the bottom edge of the screen, out of the driver's line of vision, and so that the screen can be opened. Additionally, the mounting of the wiper arms at the bottom of the screen makes the cleaning of heavy rain or snow from the screen much easier, as the blades wipe downwards instead of upwards.

TORQUE TEST

All SW4 wiper motors undergo a rigorous test after assembly to ensure that they will produce ample power to drive the wiper arms and linkages under the most adverse conditions. In the demonstration, a motor, fitted with a pulley of 1″ radius and lifting a 14 lb. weight, gives an indication of the amount of power developed.

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