

Connections		Type of motor	Result
Batt. +	Batt. -		
TEST 1. (Fig. 89) Red	Blue	All types	Motor runs at normal speed
Do not disconnect battery supply from plug while the wiper blades are in the parked position.			
TEST 2. (Fig. 90) Yellow	Blue	2-speed motors only	Motor runs at high speed
TEST 3. (Fig. 91) Red	White	Self-switching types only	Motor should run to park position then stop
TEST 4. (Fig. 92) White	Red	Self-parking types only	Motor should run to extended park position then stop

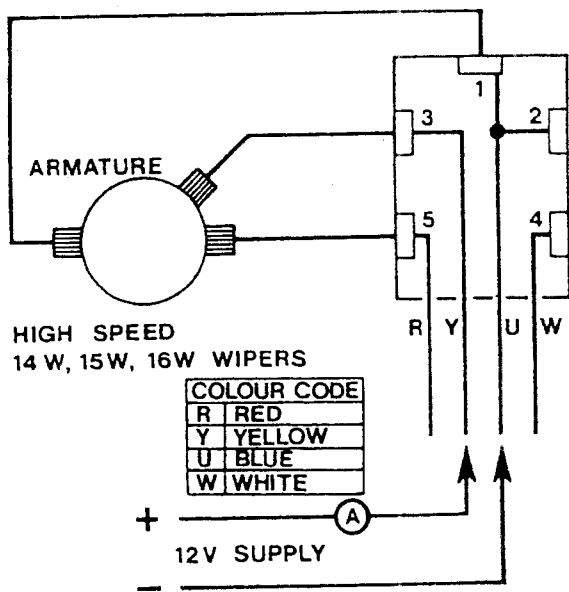


Fig. 90 Test 2. 14W, 15W and 16W wipers

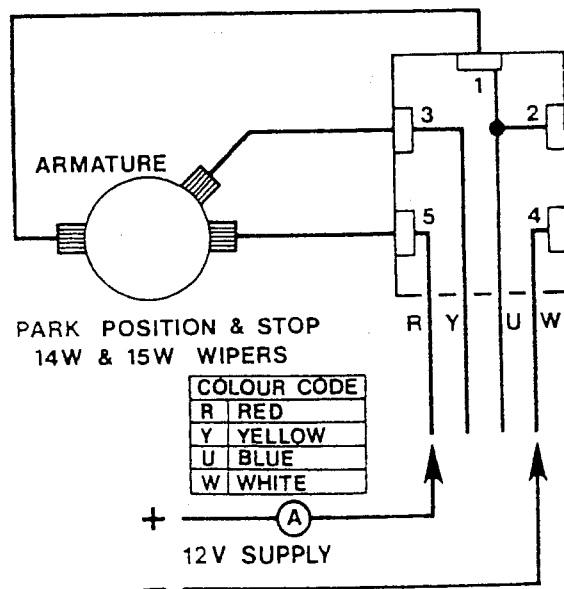


Fig. 91 Test 3. 14W and 15W wipers

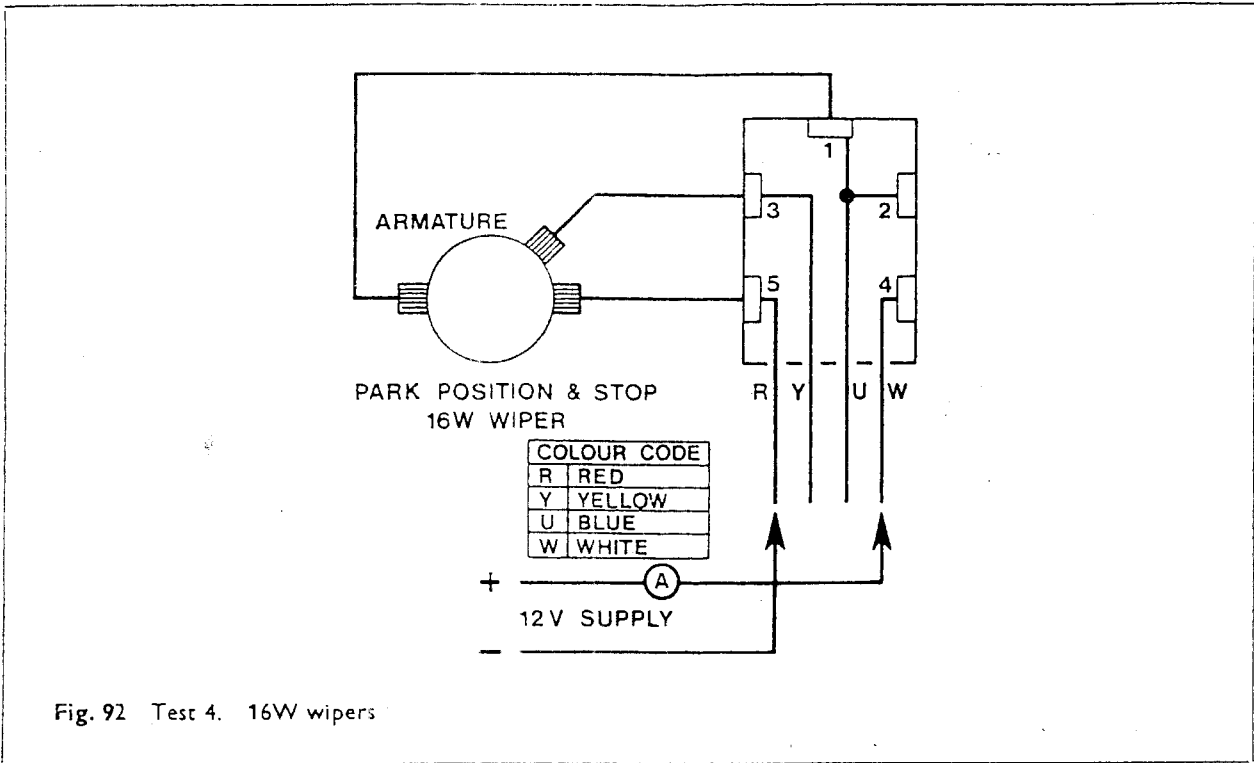


Fig. 92 Test 4. 16W wipers

If the motor fails to function in any one or more of the previous tests, a faulty motor is indicated. If, however, the motor is satisfactory, the fault lies in the switch or wiring on the vehicle.

Should the current consumption during the tests exceed 4 amps, remove the wiper arms and blades and repeat test. If current is still high this could indicate excessive friction in the rack or link drive mechanism. Disconnect the drive from the motor and again check current consumption. A high current reading now indicates a faulty motor. On the rack-type drive a pull

of 6 lbf. applied to the crosshead with a spring balance should be sufficient to move the crosshead within the outer casing, see Fig. 93. If not, the assembly must be examined for faults.

Note: It should be remembered that where excessive friction exists, overloading will result. Replacing the motor will *not* solve the problem.

In cases where removal of the arms and blades lowers the current consumption the fault is due to either a contaminated screen or faulty arms or blades.

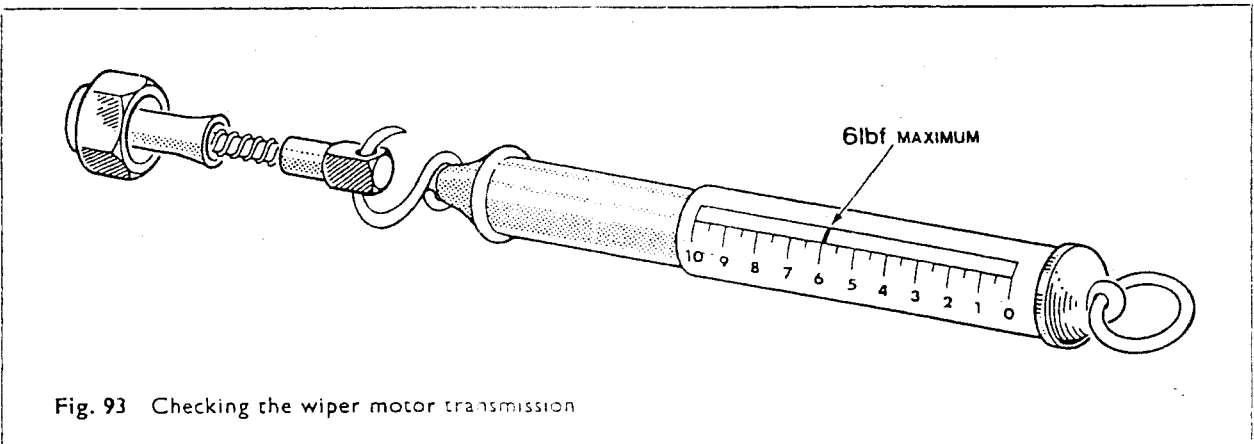


Fig. 93 Checking the wiper motor transmission