

CARDONE[™] ProTech[®]

Supporting Today's Vehicle Technician



Wiper Motor Bench Test 40-120, 121, 140, 154, 155

Application

Vehicles using 40-120, 121, 140, 154, 155

Problem

Replacement motor is not functioning properly or has the same problem as the original unit.

Solution

The following test is performed without the original wiring or switch. If the motor operates correctly, inspect and test the vehicle wiring and switch. These tests will help you correctly diagnose the problem and avoid unnecessary cost and labor.

Bench Test:

Minimum power supply requirements: 12 volts DC, 5 amps. See motor connector graphic for pin locations.

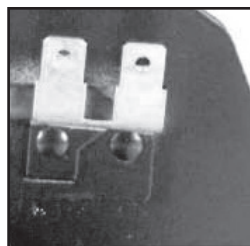
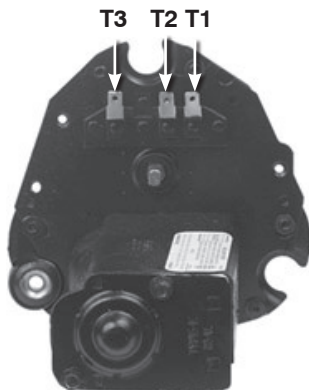
IMPORTANT: Connect power supply ground (-12 VDC) to motor ground strap for all tests. Be certain the connection is good.

High Speed Test

1. Connect power supply +12 VDC to pin T1.
2. Connect power supply ground (-12 VDC) to T2. Motor runs high speed.

Low Speed and Park Test

1. Connect power supply +12 volts to pin T1.
2. Connect power supply ground (-12 VDC) to T2 and T3. Motor runs low speed.
3. Disconnect ground to T2, motor parks.



Some units may be supplied with a double-lugged terminal T1. (Either lug can be used for test).

Note

This ProTech[®] bulletin is supplied as technical information only and is not an authorization for repair.