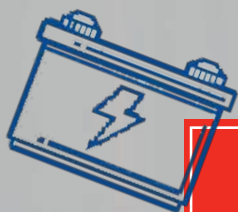


TECH TIPS GUIDE

US Tarp
Covering America®



HOW TO TEST A TARP MOTOR

Why Should You Test Your Motor?

When your tarp system is not running – the motor will not activate – it is regularly assumed the motor has failed. But there can be many causes – such as the relay, circuit breaker, a pinched wire or loose connection. This edition of Tech Tips will outline how to test the motor and determine if the motor is the issue or if it is another electrical component. Our goal is to help you get to the problem, and solution, quickly!

Before You Begin

- Ensure that the tarp system components are grounded to battery negative when in use. Do NOT ground to truck frame
- A normal amperage reading is anywhere between 10-15 Amps for a US Tarp motor when unloaded (shaft is not driving the axle)
- Ensure that the 12V battery being used to test the motor is fully charged
- Do not touch leads together when testing the motor

PARTS FOR MOTOR TEST

Motor for Testing



Pictured: Part #15938

12v Battery



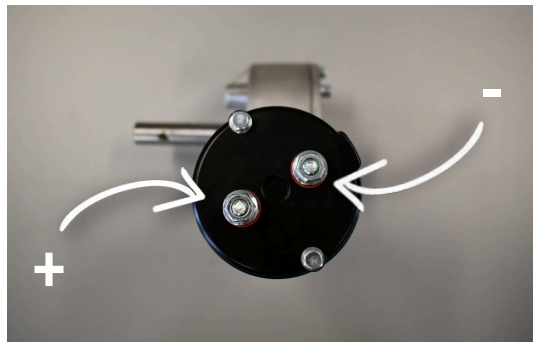
For 24VDC motors use
(2) 12VDC batteries

Jumper Cables



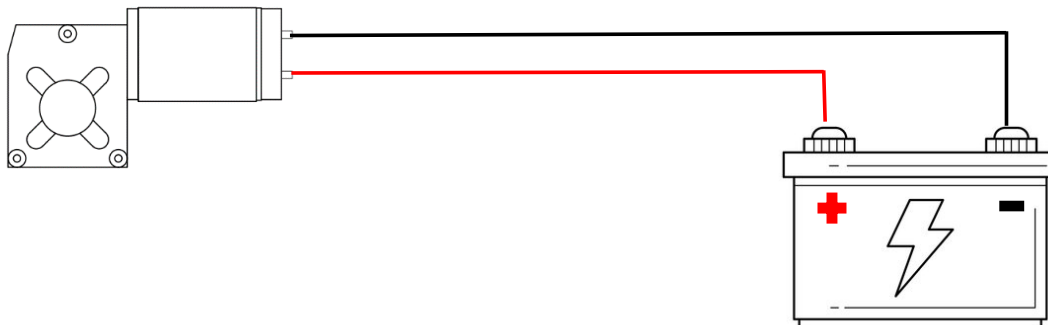
List of Materials Required: Tarp Motor to Test, 12v Battery (must supply at least 12 Volts), Jumper Cables or Set of Wires Equal to or Larger than 6ga Wire, Ring Terminals or Cable Clamps (if needed)

Connect Clamps to Bottom of Motor



STEP BY STEP GUIDE

FIGURE 1

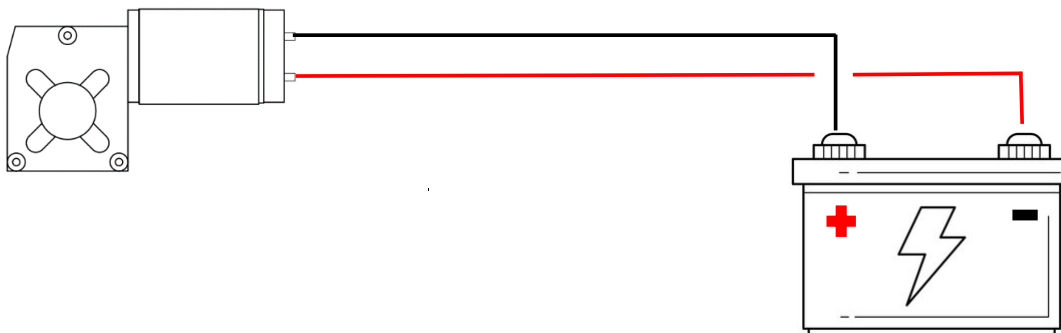


Step 1: Remove the motor cover and existing motor wires. Fix cable clamps from jumper cables to motor terminals

Step 2: Touch one wire to battery ground and the other wire to battery positive

Step 3: If motor does not operate, it may need to be replaced or returned. If the motor works, continue

FIGURE 2



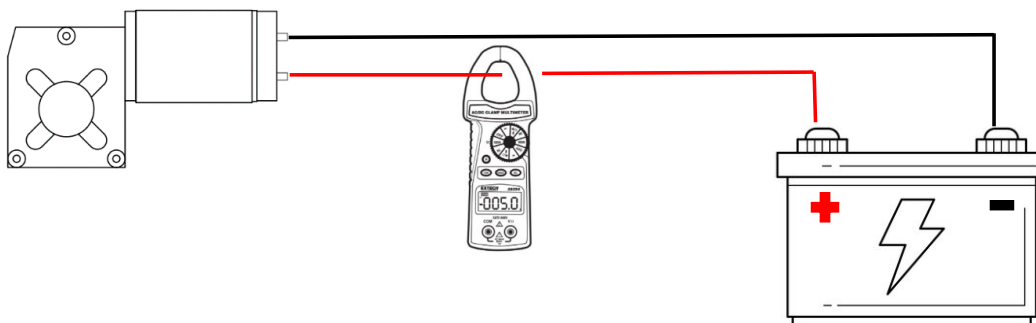
Step 4: Swap the cable on the battery to test the reverse direction of the motor

Step 5: If the motor does not operate, replace or check if your motor qualifies for warranty. If the motor works, there is potentially another problem with the tarp system

*Note: Ensure that the tarp system is grounded to battery neutral and NOT to the truck frame

FOR FURTHER TESTING

FIGURE 3



Using a clamp ammeter, read the amperage on the battery positive cable while the motor is operating unloaded. Brand new US Tarp motors typically pull 10-15 amps unloaded. If the motor is pulling over 25 amps unloaded, replace or check if your motor qualifies for warranty.

*Note: Typically, clamp ammeters are not very consistent with readings precise VDC amperage. This test is meant to give you an idea on the condition of your tarp motor.

Additional help: If further assistance is needed, please call us at 800-249-0297 where you will reach our technical support line and our talented team will assist you. You may also send an email to technicalsupport@ustarp.com