



**TEREX®**

# TECH TIPS

**CHANGING LATCHING RELAY WITH LATCHING MODULE**

**NO. 167**



**SERVICE CALL:  
CHANGING LATCHING RELAY  
WITH LATCHING MODULE**



**MODEL(S):  
TCX/RMX WITH AN ELEVATOR**



**TOOLS NEEDED:  
SIMPLE HAND TOOLS  
ELECTRICAL TOOLS**

**TEREX UTILITIES TECHNICAL SUPPORT TEAM**

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## **DANGER**

Failure to obey the instructions and safety rules in the appropriate Operator's Manual and Service Manual for your machine will result in death or serious injury.

Many of the hazards identified in the Operator's Manual are also safety hazards when maintenance and repair procedures are performed.

## **DO NOT PERFORM MAINTENANCE UNLESS:**

- ✓ You are trained and qualified to perform maintenance on this machine.
- ✓ You read, understand and obey:
  - manufacturer's instructions and safety rules
  - employer's safety rules and worksite regulations
  - applicable governmental regulations
- ✓ You have the appropriate tools, lifting equipment and a suitable workshop.

The information contained in this Tech Tip is a supplement to the Service Manual. Consult the appropriate Service Manual of your machine for safety rules and hazards.



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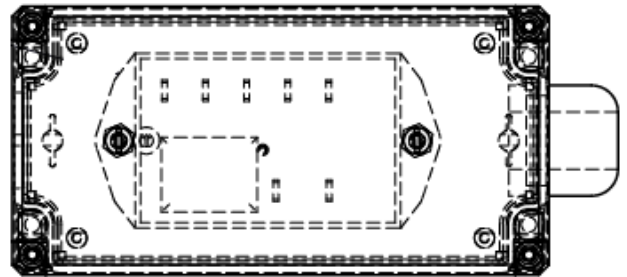
## INTRODUCTION

Terex Utilities is in the process of switching over to a latching module as a replacement for the latching relay.

When you depress the air plunger at the upper controls, it sends a signal to the latching relay (module) and sends voltage down to the lift select circuit. This allows the elevator (lift) to be operated using the single stick. When the enable is squeezed on the single stick, demand throttle should be available for both boom and elevator (lift) functions.

## STEP 1

Order PN 627005TU to replace the old-style latching relay. The module will fit into the same enclosure as the relay. The relay (Module) will be mounted to the lid of the enclosure.



## STEP 2

Verify engine is off and main circuit breaker tripped to the controller to not allow an accidental short in the circuit.



## STEP 3

Here is the electrical schematic for the old style.  
**Figure 3**

## STEP 4

When you replace the latching relay with the new latching module it should be wired as below.

**Figure 4**



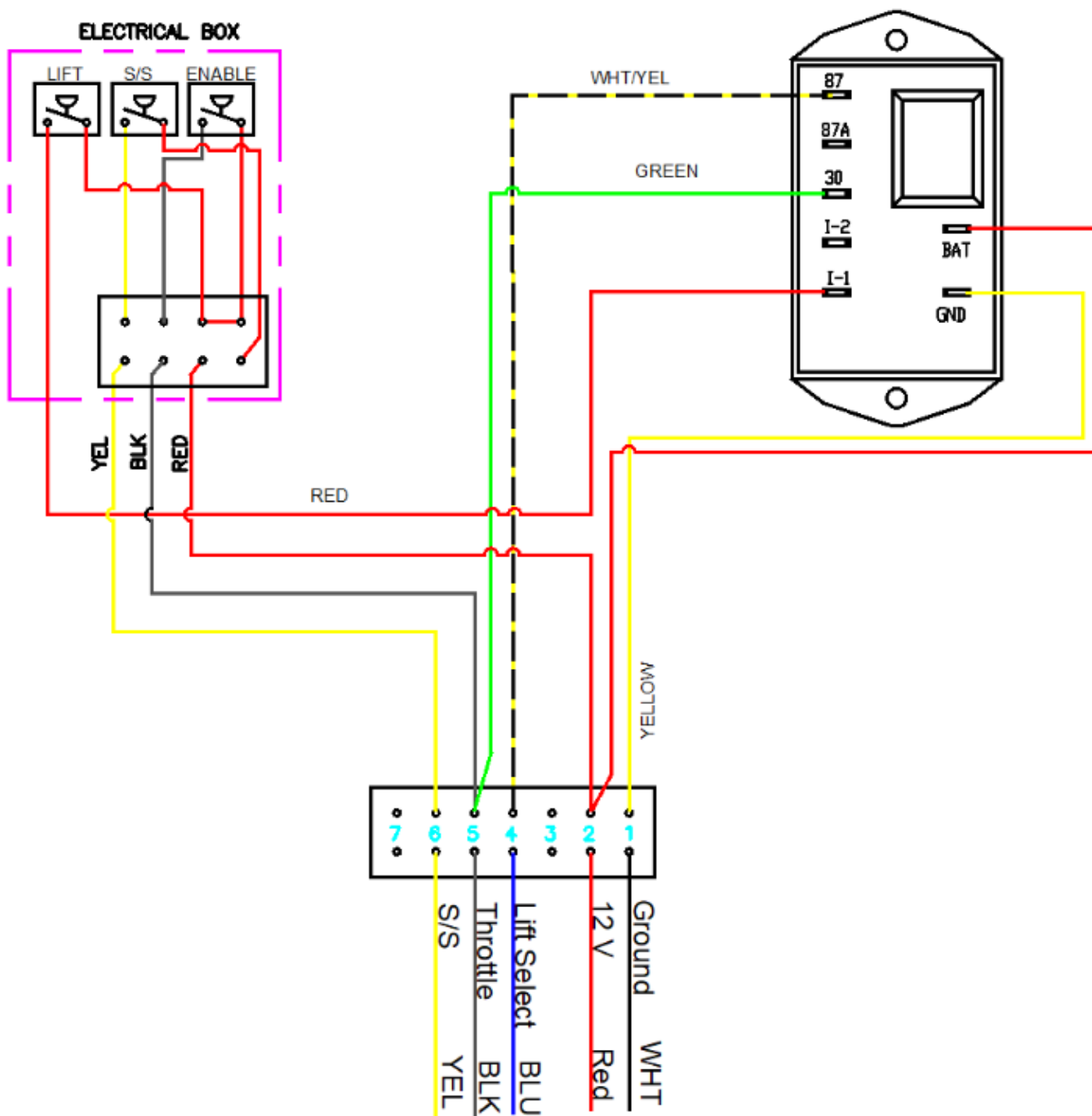


FIGURE 4

## STEP 5

Once wiring the new module is complete, reset the main circuit breaker, then start the engine and PTO. Confirm that the boom, elevator, and throttle control function correctly.

## STEP 6

Seal the unused holes with silicone to prevent water from entering the enclosure.



FOR FURTHER ASSISTANCE,  
CONTACT THE TEREX UTILITIES TECHNICAL SUPPORT TEAM  
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