

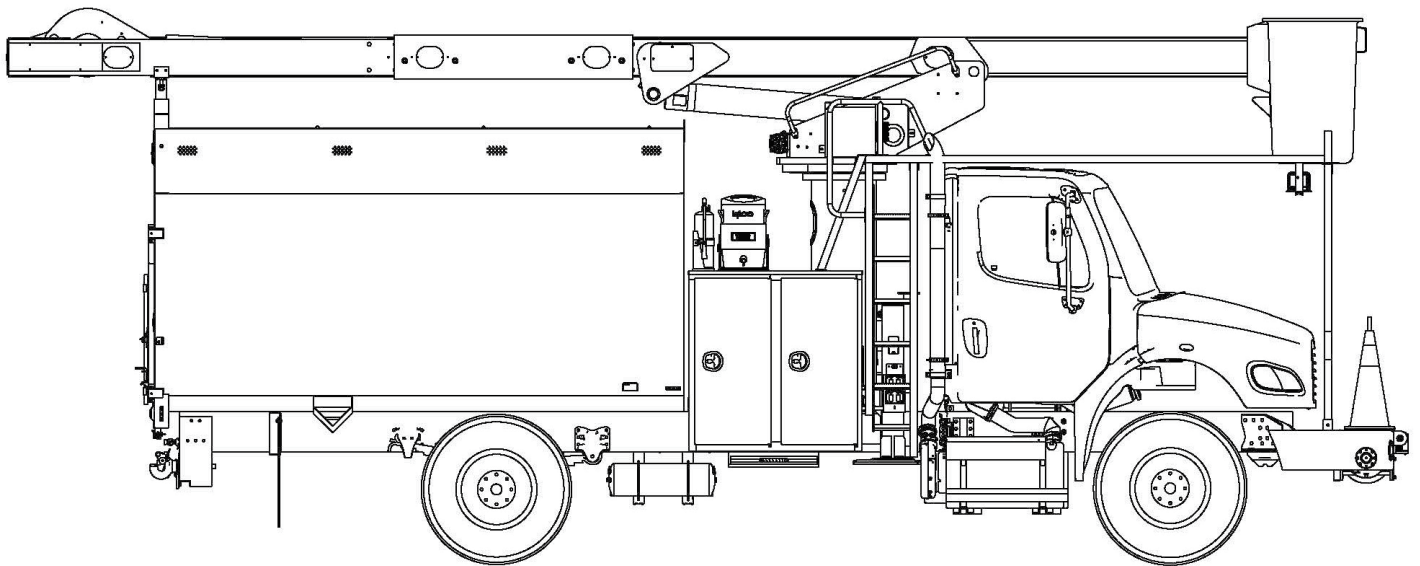


**TEREX®**

# TECH TIPS

WAYS TO ATTACH NON-CONDUCTIVE HOSES TO PULL THROUGH A BOOM

**NO. 151**



**SERVICE CALL:**  
WAYS TO ATTACH NON-  
CONDUCTIVE HOSES TO PULL  
THROUGH A BOOM



**MODEL(S):**  
ALL TEREX UTILITIES EQUIPMENT



**TOOLS NEEDED:**  
DRILL  
BITS  
TORCH  
PLIERS

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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## TECH TIP#151

### TOC

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| *Re-usable fittings*

**METHOD 1**

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| *Wire*

| *Lag bolt*

**METHOD 2**

**METHOD 3**

## INTRODUCTION

The steps below provide three examples of different ways to connect hoses together in order to pull them through the boom or catrack.

### Method 1

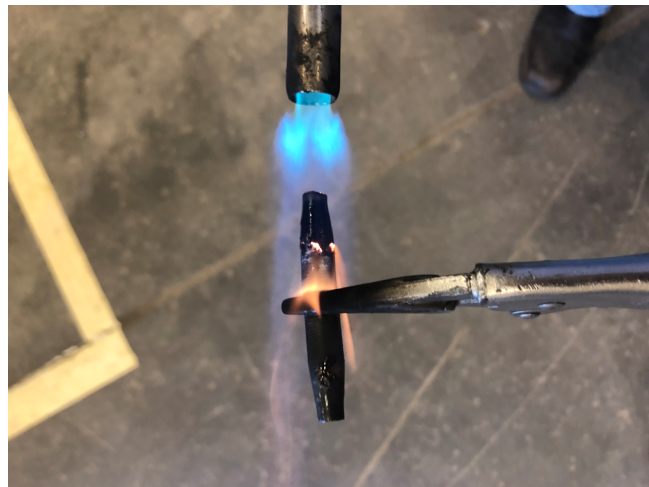
#### STEP 1

Weld two re-usable fittings together.



#### STEP 2

Place a towel in water to soak. Use a torch to heat both ends of the reusable fittings welded together in Step 1.



#### STEP 3

Once the ends are hot, push both ends into the non-conductive hose that are being connected.



#### STEP 4

While holding the two hose ends on the fitting, place the water-soaked towel from Step 2 over the hoses and fitting to quickly cool it down.





## Method 2

### STEP 1

The second method is drilling a small hole in the end of each hole big enough for a wire to pass through.



### STEP 2

Run the wire through each end of the hose and secure it, using tape if necessary.



## Method 3

### STEP 1

The third option is to cut the head off a lag bolt and grind it to a point. The size of the lag bolt will equal the size of the hose.

This option is not recommended for 1/2" hoses.



### STEP 2

Twist one end onto the hose being replaced on the unit. Back twist the new hose to be installed on the unit. Place it at the other end of the bolt and twist it on.

Note: Back twist the same number of rotations it takes to screw it into the Lag bolt. This will allow the hose to be straight when pulling.

## CONCLUSION

Pull the hoses through the catrack, repeating as necessary to replace all damaged hoses.

Once the hoses are pulled through, cut off any damaged hoses to provide a good, clean crimping surface for the fitting.



FOR FURTHER ASSISTANCE,  
CONTACT THE TEREX UTILITIES TECHNICAL SUPPORT TEAM  
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