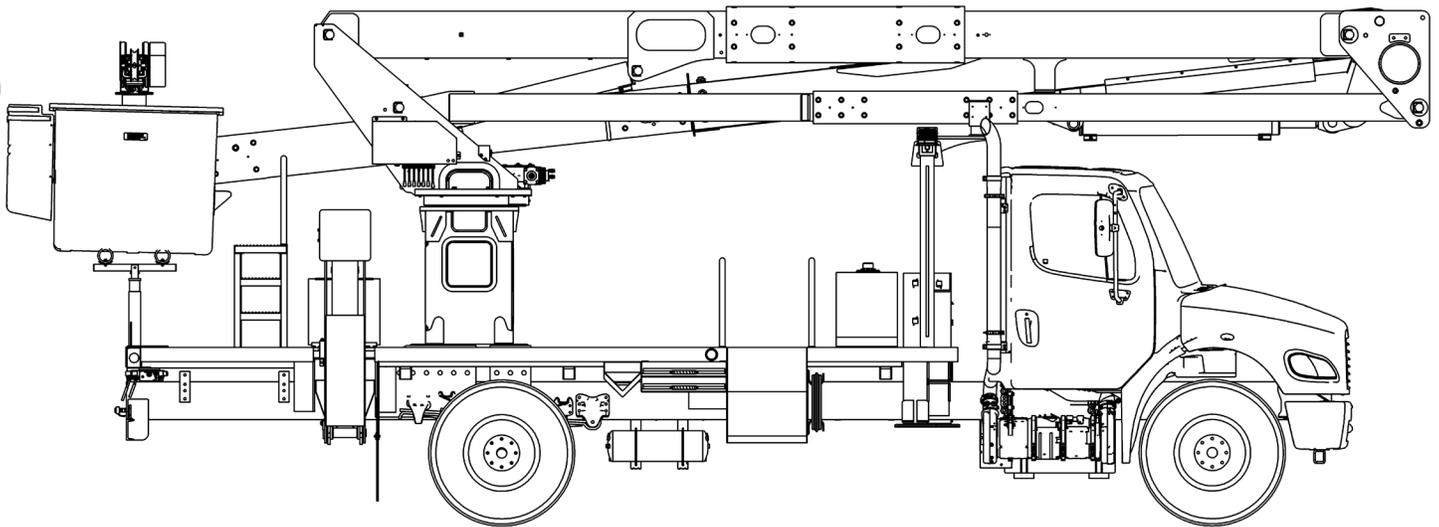




TECH TIPS

REPLACING CATRAC ON TL60

NO. 169



SERVICE CALL:
REPLACING A CATRAC ON A TL60



MODEL(S):
TL60



TOOLS NEEDED:
SIMPLE HAND TOOLS
NYLON STRAPS
HOIST/OVERHEAD CRANE

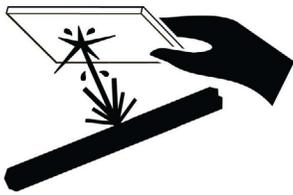
TEREX UTILITIES TECHNICAL SUPPORT TEAM

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! WARNING



Injection Hazard
Fluid escaping under pressure can penetrate skin and result in death or serious injury.



Relieve pressure before disconnecting hydraulic lines.
Stay clear of leaks and pin holes. Use a piece of cardboard or wood to search for leaks. Do not use hand.
Fluid injected into skin must be surgically removed within a few hours by a doctor familiar with this type of injury, or gangrene will result.



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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STEP 1

Position the unit in a safe location with no overhead obstructions, with plenty of room to the rear or side of the unit.



STEP 2

Remove all boom tip covers to gain access to the hose fittings.

STEP 3

To remove the jib assembly, clearly label the hoses and fittings. Remove the hose clamps, disconnect the hoses, and cap and plug the fittings.

Note: Hydraulic oil will cause permanent marker to rub off. Make sure the hoses are marked in a way that won't be removed with hydraulic oil.



Escaping fluid under pressure can penetrate skin causing serious injury.

Relieve pressure before disconnecting hydraulic lines. Keep away from leaks and pin holes. Use a piece of cardboard or paper to search for leaks. DO NOT use your hand.

STEP 4

Use a suitable lifting device, such as an overhead hoist, to remove the jib assembly.

To remove the Jib simply remove the pin and lift it out.



STEP 5

Place the upper boom in a horizontal position with no load in the platform.

STEP 6

Rotate the platform to evenly distribute the weight to prevent the upper boom from rolling to one side when it is removed. Fully extend the upper boom out.



STEP 7

Label the hoses at the lower controls, remove them, then cap and plug the fittings.

Note: Hydraulic oil will cause permanent marker to rub off. Make sure the hoses are marked in a way that won't be removed with hydraulic oil.



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STEP 8

Remove the 4 fasteners that hold the catrac down in the metal section of the upper boom.

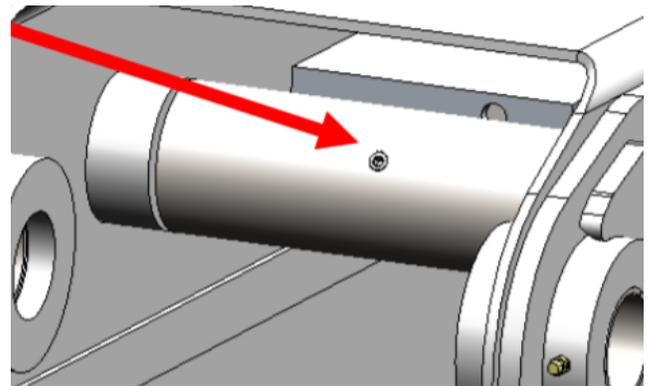


STEP 9

Remove the hoses at the extension cylinder making sure to use marked fittings or label hoses.

STEP 10

Remove the set screw in the extension cylinder. Using a hammer and punch, remove the pin from the extension cylinder.



STEP 11

With a suitable lifting device, raise the inner boom and remove the rollers at the end of the outer boom and carefully pull the fiberglass boom out. While removing the boom, you will need to help walk the hoses out.

Note: You can use a block of wood or something smooth to protect the bottom of the fiberglass boom.



Do not scratch or mar surface of fiberglass. Use rope slings or other soft material - never use chains or wire rope directly on fiberglass.



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STEP 12

Place fiberglass section on supports rated for the load.



STEP 13

Disconnect the catrac from the bracket, remove the two button-head screws that hold the catrac to the bracket then slide the catrac down the hoses.



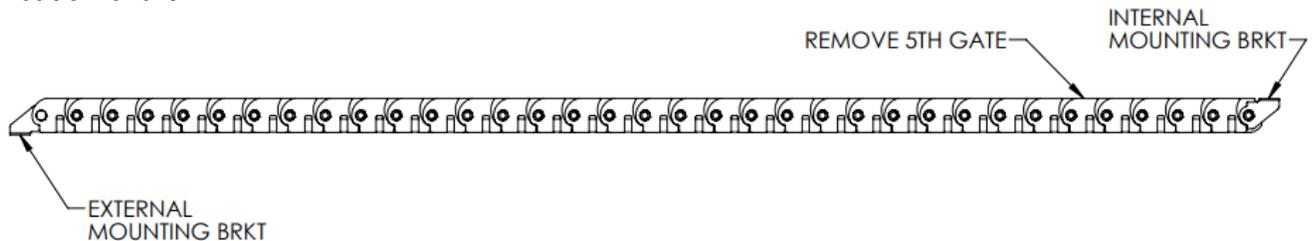
STEP 14

Install the new catrac by performing these steps in reverse order. Lubricate the pins before reassembly. Do not use your fingers in the bore to see if boom is aligned.

Note: Verify on the catrac that the 5th gate is removed.

Note: Prior to installation of cylinder pins, inspect for any nicks or burrs and remove them. Damage to the bearings/bushing will result if not repaired at this time.

Note: Check bearings for wear whenever maintenance or repair is being performed at cylinders or linkage. Replace any worn components. Always lubricate prior to assembly. Consult the unit specific lubrication chart.



Use caution when positioning hydraulic hoses. Sharp bends will create kinks and cause unnecessary repairs later.

STEP 15

Assemble the catrac, upper boom, and jib. Reinstall any covers that were removed.

Note: During reassembly, replace any damaged hoses, covers, or decals.

Operate the unit through its full range of motion from the lower controls to bleed air out of the hydraulic system.



FOR FURTHER ASSISTANCE,
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