

Service Call:

Replacing the Transmission TL Catrac

Tools Required:

Basic Hand tools

Overhead Hoist

Model(s):

TL80, TL100, & TL80/112

Tech Tip Safety Rules



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.

 **WARNING**



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.

Fluid injected into skin must be surgically removed within a few hours by a doctor familiar with this type injury or gangrene will result.

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Step 1

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

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, remove hose clamps, and disconnect the hoses.



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Step 4

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



Step 5

Remove the side and top wear pads by loosening the jam nuts and unthreading the wear pads.



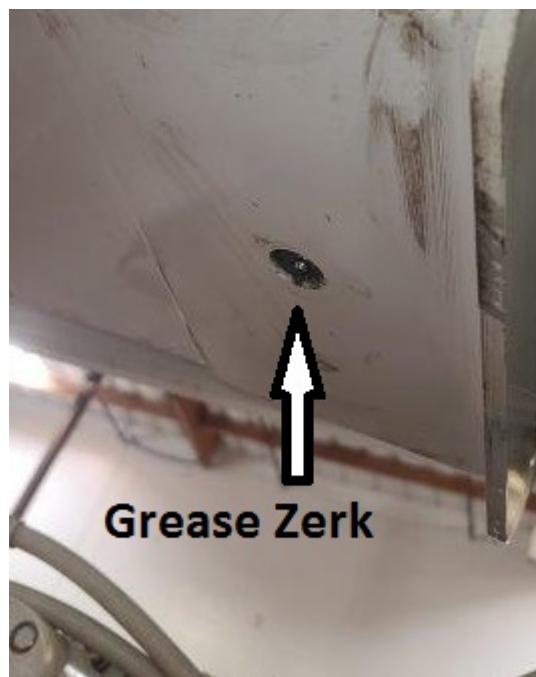
Step 6

Position the upper boom at 0 degrees.



Step 7

Using an overhead hoist, lift the fiberglass section to remove weight from the lower wear pad. Remove the grease zerk from the wear pad and slide the pad out of the boom.



Step 8

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

TL80 and TL80/112 units only

For a TL80 & TL80/112 the hoses will need to be disconnected at the lower controls using labeled caps and plugs and pulled through the lower boom. When this is done then proceed to Step 12.



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Step 9 (TL 100 Only)

Remove the bottom cover of the upper boom to allow access to the junction manifold fittings.



Step 10 (TL 100 Only)

Remove the 4 Hex bolts that hold the junction manifold in place and allow it to hang down.



Step 11 (TL 100 Only)

Remove the hoses at the junction manifold that are coming from the upper controls through the catrac, using labeled caps and plugs. Also disconnect the air lines.



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Step 12

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



Step 13

Remove the hoses at the extension cylinder using labeled caps and plugs.



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Step 14

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

Step 15

Carefully slide the upper boom fiberglass section out of the steel section using proper rigging and lifting equipment.



Step 16

Remove the four 5/16" bolts from the bracket that holds the catrac to the boom.

Step 17

To disconnect the catrac from the bracket, remove the 4 button head screws that hold the catrac to the bracket then slide the catrac down the hoses to remove.

Step 18

Install the new catrac by performing these steps in reverse order