

New Holland

TC30

Parts List & Mounting Instructions

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Printed: 2003/07

New Holland TC30 Mounting Instructions

Standard Parts List

Qty	Description	Photo
L&R	Front Brackets	
4	Front Bracket Spacers	
L&R	Rear Brackets	
L&R	Rear Bracket Axle Supports	
1	Hood Shield	
1	Clutch Shield	
1	Brake Shield	
L&R	Front Platform Extensions	
L&R	Lower Front Front Shields	
1	Lower Rear Shield	
10 LF	180° O-rubber	
L&R	Platform Floormat	
1	Front Seatbox Floormat	
1	Seatbox Upholstery	
2	Snap Caps, 7/16"	
1	In-line Fuse Holder	

NOTE: All references to left and right are taken from the operator's point of view when he/she is sitting in the driver's seat.

New Holland TC30 Mounting Instructions

Standard Bolts List

Qty	Description
4	Bolt, Hex, ½" x 3", Gr. 8, Yellow Dichrome
8	Nut, Hex, ½", Gr. 8, Yellow Dichrome
4	Bolt, Hex, ½" x 2 ½", Gr. 8, Yellow Dichrome
8	Washer, Lock, ½"
4	Bolt, Hex, M16 x 2.0 x 50MM, Gr. 10.9, Yellow Dichrome
4	Washer, Lock, 5/8"
4	Isolator, Rubber, ½" x 3"
4	Washer, Flat, Rubber, 9/16" x 2 ½"
4	Washer, Flat, Steel, ½" x 2 ½", Yellow Dichrome
36	Screw, Drill & Tap, ¼" x ¾", Plated
4	Bolt, Flange, ¼" x ½", Macro-black
4	Nut, Flange, ¼", Macro-black
2	Bolt, Hex, 7/16" x 4" (cab lift bolts)

NOTE: All references to left and right are taken from the operator's point of view when he/she is sitting in the driver's seat.

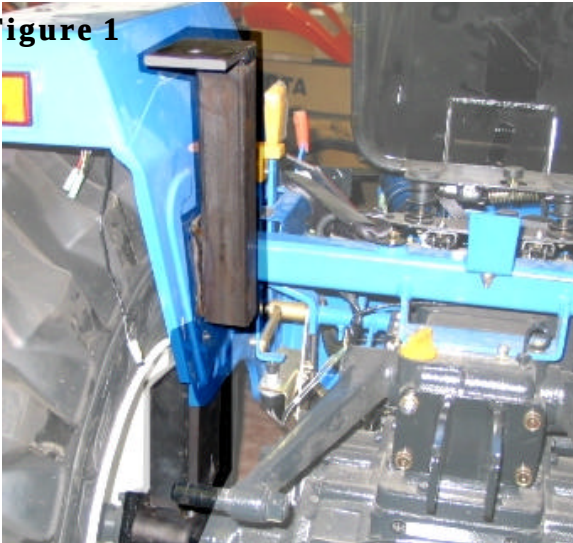
New Holland TC30 Mounting Instructions

NOTE: Use the following torque specifications for all hardware: ½" hardware 73 ft-lbs, 3/8" hardware 42 ft-lbs, 5/8" hardware 177 ft-lbs.

1. Remove the tractor ROPS guard, and the rear tires. If the tractor has implements attached, lower to ground level or remove for better access. Remove seat.

2. Take the left rear axle support bracket and position it over the axle where the 2-post ROPS was mounted. Re-use the ROPS hardware for the bottom two bolts. Take the left rear bracket and slide it between the fender and the rear tractor crossmember. Use the provided ½" x 2 ½" hex bolts, lock washers, and hex nuts and loosely fasten the brackets to the tractor crossmember. See Figure 1.

Figure 1



3. Repeat for the right side. See Figure 2.

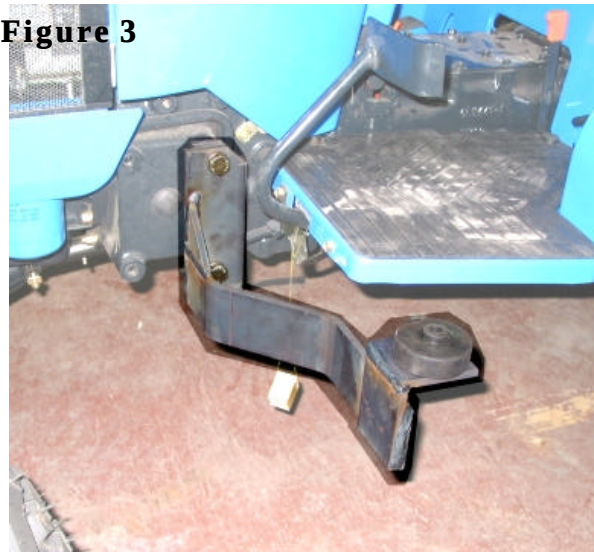
4. If there are no mid-mounting attachments, use a front bracket spacer. If there is no loader, use another front bracket spacer. Take the left front

Figure 2



bracket and line up with the rear two bolts holes of the 4-hole pattern in the bell housing. Use the provided M16x2.0x50mm hex bolts and 5/8" lock washers and loosely attach the bracket. See Figure 3. Repeat for the right side. See Figure 4.

Figure 3



5. Take the underseat upholstery and position on the seat platform. Ensure that all controls can operate normally and notch/slit upholstery if necessary. Glue into place. Re-install seat.

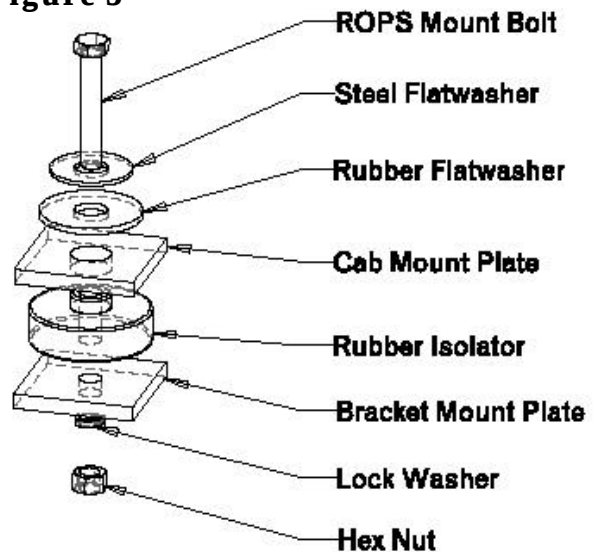
NOTE: All references to left and right are taken from the operator's point of view when he/she is sitting in the driver's seat.

New Holland TC30 Mounting Instructions

Figure 4



Figure 5



6. Take the 180D O-rubber and install along the cab fender wells from where the rear shield is to the bottom. Install on left and right side.

7. Place a rubber isolator onto each mounting plate. Lift the cab off of the shipping pallet with a lift bolt that is attached to the weld nut in the upper A-C crossmember. Lift the cab over the tractor and slowly lower the cab down onto the isolator mounts.

8. Use one $\frac{1}{2}$ " x 3" bolt, rubber flat washer, steel flatwasher, $\frac{1}{2}$ " lock nut, and $\frac{1}{2}$ " hex nut for each isolator fastener. Use Figure 5 as a guide for proper bolt alignment. Do not tighten any bolts until each one has been started. Once all bolts are started, torque the isolator fasteners until the rubber compresses to $\frac{7}{8}$ " between the steel plates. Tighten all bracket fasteners to specification now.

9. Take the hood shield and 180D O-rubber and install the rubber on the edge that will contact the hood. Use the $\frac{1}{4}$ " x $\frac{3}{4}$ " self-tapping screws, and drill

and install the hood shield so that it tightly seals onto the hood. See Figure 6.

Figure 6



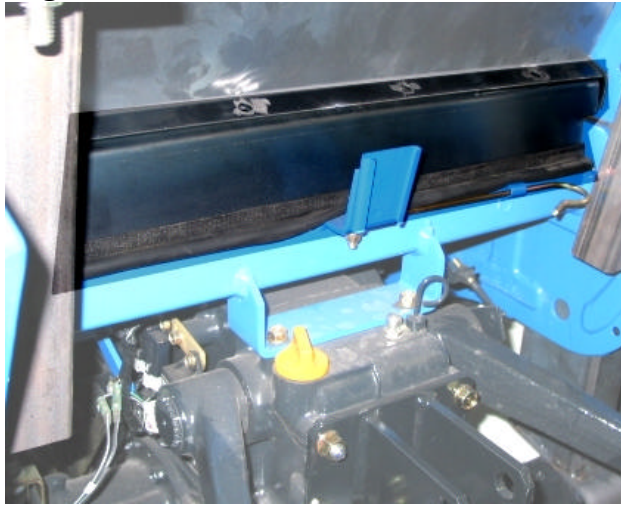
10. Take the lower rear shield and install 180D O-rubber along the edge that will contact the tractor crossmember. Use $\frac{1}{4}$ " x $\frac{1}{2}$ " flange bolts and nuts and attach shield. See Figure 7.

11. Take the left lower front shield and install 180D O-rubber on the inside edge.

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New Holland TC30 Mounting Instructions

Figure 7



Use ¼" x ¾" self-tapping screws and drill and install the shield so that it seals along the side of the hood. See Figure 8.

Figure 8



12. Repeat for the right lower front shield.

13. Take the left platform extension and place it onto the platform and against the cab. Use the ¼" x ¾" self-tapping screws and drill and install the shield. See Figure 9.

Figure 9



14. Repeat for the right platform extension shield.

15. Take the clutch shield and slide it around the clutch pedal and install with ¼" x ¾" self-tapping screws. See Figure 10.

Figure 10



16. Repeat for the brake shield. See Figure 11.

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New Holland TC30 Mounting Instructions

Figure 11



22. Install the two 7/16" black snap caps into the lift bolt holes.

23. Locate the main cab power line and connect to a 12V source on the tractor with the inline fuse holder provided.

Proceed to the heater installation if the cab is equipped with a heater.

17. Locate the tractor warning/flasher lights. Take the large round light and mount it to the bracket provided on the left side of the cab. Connect the harness. Repeat for the right side.

18. Locate the smaller triangular shaped light. Mark and drill a 7/8" hole in the fender just below where the large round light is located. Make sure there are no burrs and dab a bit of paint onto the raw edges. Install the light through the hole and connect the harness. Repeat for the right side.

19. Take the seat platform floormat and position along the vertical face. Ensure that all controls have full range of motion, notching if necessary, then glue into place.

20. Take the left platform floormat and place onto the left side of the operator platform. Ensure that there is adequate pedal clearance, and then glue into place.

21. Repeat for the right platform floormat.

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**1320,1520,1620 FORD
HEATER CONNECTION PARTS LIST**

HARDWARE:

Item	Qty	Description
1	1	3/8"NPT-3/8"barb 90 degree Fitting
2	1	3/8"NPT-3/8"barb 180 degree Fitting
**	4	MH-6 Hose clamps

MISCELLANEOUS:

Item	Qty	Description
**	1	25' 3/8"i.d. Heater hose

1320,1520,1620 FORD HEATER CONNECTION INSTRUCTIONS

1. Proceed with the following **AFTER** the cab has been mounted.
2. Drain the antifreeze in the unit.
3. Remove the two 5/16"x1 1/2" bolts fastening the roof to the front cab frame. Open the roof, using the roof prop to secure the roof.
4. Locate the pressure port on the left side of the thermostat housing, towards the front. Remove the housing from the engine. Drill a 9/16"dia. hole through the housing, inside the port, to permit access to the inside of the housing. Tap the port with 3/8"NPT thread. Flush the housing to remove any metal shavings or debris. Screw the 3/8"NPT-3/8"barb 90 degree fitting (1) into the housing. Reattach the housing to the engine. REMEMBER to use a water sealant material around the threads of the bushing and fitting. (see Figure 1)

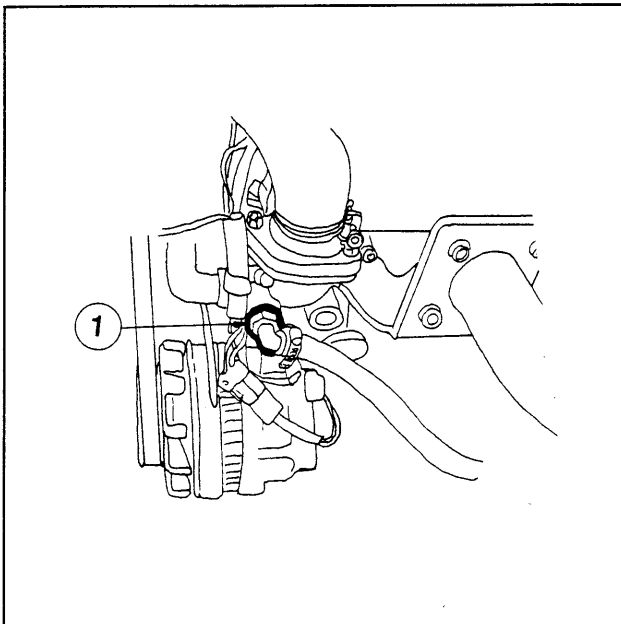


Figure 1

5. Locate the suction plug on top of the water pump housing and remove. Screw the 3/8"NPT-3/8"barb 180 degree fitting (2) into the housing. REMEMBER to use a water sealant material around the threads of the bushing and fitting. (see Figure 2)

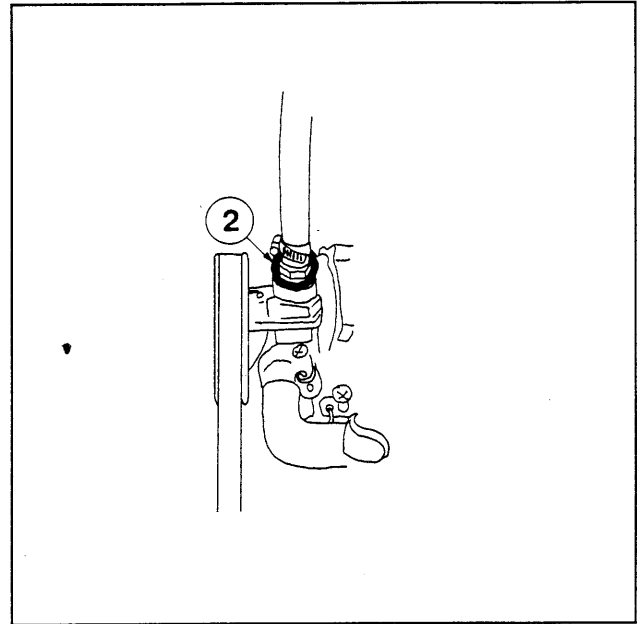


Figure 2

6. Take the 3/8"i.d. heater hose supplied. Route one end down a front corner post of the cab frame, to the pressure fitting (1). Connect the hose to the fitting, using the MH-6 hose clamp provided. Tie down the hose as required to ensure it does not interfere with any controls, levers, or accessories of the unit.
7. Take the other end of the hose. Measure off the distance to the water valve in the roof and cut the hose (allow for some excess). Connect the hose to the valve, using the MH-6 hose clamp supplied.
8. Take the remaining heater

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1320,1520,1620 FORD HEATER CONNECTION INSTRUCTIONS

hose and route one end down the other front corner of the cab frame, to the suction fitting (2). Connect the hose to the fitting, using the MH-6 hose clamp provided. Tie down the hose as required to ensure it does not interfere with any controls, levers, or accessories of the unit.

9. Take the other end of the hose. Measure off the distance to the heater core port in the roof and cut the hose (allow for some excess). Connect the hose to the port, using the MH-6 hose clamp provided.
10. Ensure all connections are tight, lower the roof, and fill antifreeze.
11. Open the water valve approximately halfway, using the rotary control cable in the switchplate of the cab, and turn on the fan. Start the unit and run at PTO rpm for 5 minutes. Once the heater begins to heat, open the water valve completely. Stop the unit, check for leaks and add antifreeze as required.
12. Start the unit again and drive at PTO rpm for a few minutes to remove any air trapped in the heater hose. Stop the unit again, check the antifreeze and add as required. If the heater still does not heat, your unit will probably require an auxiliary water pump to help in water circulation.
13. Rebolt the roof to the cab frame.

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