Section 90
Chapter 2

CAB RAISE / REMOVAL AND INSTALLATION
TG Series Tractors
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SPECIAL TORQUES

Cab Mounting Bolt to Threaded Flat Plate ......................................................... 47 to 61 Nm (35 to 45 lb ft)
Cab Mounting Bolt Nut ................................................................. 190 to 244 Nm (140 to 180 lb ft)
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SPECIAL TOOLS

Cab Lift Tool CAS2531

Cab Raising Bracket Kit CAS2577

Front Lifting Bracket CAS2529-1 (Part Of CAS2529 Kit)

Rear Cab Lifting Bracket CAS2529-2 (Part Of CAS2529 Kit)

Rear Cab Lifting Arm 380000707-Left (1) and 380000706-Right (2)
CAB RAISING PROCEDURE

STEP 1
Park the tractor on a hard, level surface. Put the transmission shift lever in PARK. Place blocks in front of and behind the rear wheels. Start the engine and fully raise the rear hitch. Turn off the engine and remove the key.

NOTE: The right rear cab raising bracket cannot be installed into the right rear cab support tube unless the hitch is fully raised.

STEP 2
Loosen the thumbscrews and remove the toolbox and battery cover. Disconnect the negative (-) battery cable, first. Disconnect the positive (+) battery cable.

STEP 3
Open the rear window. Remove the two bolts securing the rear cab panel to the cab. Remove the panel.

STEP 4
Remove the cab floor plugs. Remove the nuts and washers from the front cab mount bolts. Remove the rear cab mount nuts and washers.
STEP 5
Install the right rear cab raising bracket CAS2577-1 (from CAS2577 Cab Raising Bracket Kit) into the right rear cab support tube.

STEP 6
Install a bolt (1), and a washer from the cab raising bracket kit through the slot in the raising bracket and the hole in the cab side panel. Install a washer and a nut on the bolt threads and loosely tighten.

STEP 7
Place one of the load bearings from CAS2577 under the rear cab raising bracket. Insert one of the longer threaded rods from the kit through the rear cab raising bracket, the load bearing, and the through hole in the cab support bracket. Thread the rod through the raising bracket until the threads contact the load bearing.

NOTE: For photographic purposes, the locking pin shown is on the left rear side of the cab.

STEP 8
Insert the locking pin through the bottom of the threaded rod. Tighten the nut on the bolt through the raising bracket and the cab side panel.

STEP 9
Install the left rear cab raising bracket CAS2577-2 into the left rear cab support tube. Repeat Step 6 through Step 8 on the left rear side of the cab.
STEP 10

Install the upper cab raising bracket (1), from CAS2577 Cab Raising Bracket Kit, into the left front cab support tube. Install CAS2577-3 lower raising plate (2) on the front cab mounting bracket, using two of the bolts from the kit. Place a load bearing on top of the lower raising plate and insert one of the shorter threaded rods through the upper raising bracket. Thread the rod through the raising bracket until the threads contact the load bearing. Insert the locking pin through the bottom of the threaded rod. Repeat this procedure on the opposite side of the cab.

STEP 11

Turn in the four threaded rods on the cab raising brackets in equal amounts to evenly lift the cab.

NOTE: Monitor all lines when raising or lowering the cab to prevent breakage or bending of lines.
CAB LOWERING PROCEDURE

STEP 12

Turn out the four threaded rods on the cab raising brackets in equal amounts to evenly lower the cab. Make sure the sleeves on the cab mounting bolts align with the holes in the cab support tubes. Begin lowering the tractor cab. Check for pinched cables, lines, or hoses. Fully lower the cab.

NOTE: The cab must be evenly lowered. The cab bolt mounting sleeves can bind in the cab support tube holes, so the cab cannot be lowered.

STEP 13

Remove the locking pin from the bottom of the threaded rod on the rear cab raising tool.

STEP 14

Remove the threaded rod from the raising bracket. Remove the load bearing.

STEP 15

Remove the bolt (1), nut, and the two washers from the cab side panel and the slot in the right rear raising bracket. Remove CAS2577-1 right rear raising bracket (2). Set the preload on the cab isomounts to a torque of 47 to 61 Nm (35 to 45 lb ft) by holding the square plate and tightening the bolt.
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STEP 16

Install a new nut and the rear cab mount washer. Tighten the nut to a torque of 190 to 244 Nm (140 to 180 lb ft). Have an assistant hold the head of the bolt under the cab, if necessary.

STEP 17

Repeat the procedures from Step 13 through Step 16 on the left rear side of the cab to remove CAS2577-2 cab raising bracket.

STEP 18

Remove the locking pin from bottom of the threaded rod on the front cab raising tool. Remove the threaded rod from the front cab upper raising bracket (1) and remove the bracket. Remove the load bearing. Detach CAS2577-3 lower raising plate (2) by removing the two bolts. Repeat this procedure on the opposite side of the cab.

STEP 19

Set the preload on the front cab isomounts to a torque of 47 to 61 Nm (35 to 45 lb ft) by holding the square plate and tightening the bolt. Have an assistant hold the head of the bolt, if necessary. Install the front cab mount washer and a new nut. Tighten the nut to a torque of 190 to 244 Nm (140 to 180 lb ft) on both sides of the cab. Install the cab floor plug.

STEP 20

Open the rear window. Install the two bolts securing the rear cab panel to the cab.
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STEP 21

Install the positive (+) battery cable, first. Install the negative (-) battery cable. Install the toolbox and battery cover by tightening the thumbscrews.

STEP 22

Make sure the transmission shift lever is in PARK. Start the engine and lower the rear hitch. Turn the engine off and remove the key. Remove the wheel blocks.
CAB REMOVAL

STEP 23
Park the tractor on a hard, level surface. Put the transmission shift lever in PARK. Turn off the engine and remove the key. Place blocks in front of and behind the front wheels. Drain the radiator on a cold engine. Disconnect the negative battery cable first, then the positive cable. Remove the hood. Refer to the hood removal information in this manual. Properly support the tractor and remove the rear wheels, if necessary.

NOTE: It is not necessary to remove the rear wheels, but may be required to gain enough cab clearance between the tractor chassis and the top of the lift.

STEP 24
Identify, tag, and remove the four hydraulic hoses (1) and the steering sensing line (2) from the steering hand pump. Cap the lines and open fittings.

STEP 25
Remove the throttle linkage.

NOTE: Only on Models TG210 and TG230 tractors.

STEP 26
Identify, tag, and remove the brake valve supply line (1) and return line to sump (2). Cap lines and open fittings.
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**STEP 27**
Identify, tag, and remove the wiring harnesses from the two brake light switches (1) on the brake valve.

**STEP 28**
Remove the cab heater supply and return lines (1).

**STEP 29**
Tag the ground cables (1), and disconnect. Remove the cab connector (2) at the right hand front side of the cab.

**STEP 30**
Disconnect the right hand cab heater and air conditioning duct hose to move the transmission wiring harness.

**STEP 31**
Remove the supply line to the left and right rear brake.
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STEP 32
Remove the electrical connector from the cab pressurization blower.

NOTE: Fuel tank removed for photographic purposes.

STEP 33
Open the rear window. Remove the two bolts securing the rear cab panel to the cab. Remove the panel.

STEP 34
Remove the cab power cables at the right rear of the cab.

STEP 35
Remove the cab wiring plug at the rear of the cab.

STEP 36
Disconnect the electrical connectors for the rear cab lights. Note the position of the four controller modules on the rear of the cab and unbolt from the cab. Remove the cab rear window washer hose from the nozzle on the left rear fender.
STEP 37

Refer to the air conditioning service information in this manual and evacuate the freon from the air conditioning system at the capped line fittings attached to the rear of the air conditioning compressor. Remove and cap the air conditioning hoses at the engine firewall.

STEP 38

Remove the three mirror retaining bolts and the electrical plug, if equipped. Remove the mirrors.

STEP 39

Install CAS2529-1 front cab lifting brackets.

STEP 40

Remove the cab floor plug and remove the nut and washer from the front cab mount bolt. Have an assistant hold the head of the bolt under the cab, if necessary. Repeat this operation on the opposite side of the cab.

STEP 41

Remove the rear cab mount nut and washer on both sides of the cab.

STEP 42

Attach a lift hook to the cab lift tool CAS2531.
STEP 43

If equipped, loosen the lower bolt (1), remove the upper bolt (2), and swing the tractor rear warning marker light down. Finger tighten the upper bolt. Repeat this procedure on the opposite side of the tractor.

STEP 44

Remove the plastic plug from the cab rear window post and insert the J-hook from CAS2529-2 rear cab lifting bracket into the hole. The hooked end faces downward. The rear window must be open in order to insert the J-hook. Install CAS2529-2 rear cab lifting bracket (1). Install 380000707-Left rear cab lifting arm (2) on the left rear side of the cab, as shown. The welded edge of the lifting arm faces toward the center of the cab. Tighten the nut. Make sure CAS2529-2 is fully seated on the rear window post and does not have any side movement. Repeat the above procedure and install 380000706-Right rear cab lifting arm on the right rear side of the cab. Install CAS2531 cab lifting tool. Make sure the chains on CAS2531 do not bind against the roof or cab lenses.

NOTE: Do not lift the cab until all electrical cables, hydraulic lines, and mechanical parts needed for cab removal have been tagged and disconnected.

STEP 45

Slightly lift the cab off the chassis. Properly support the cab. Remove the hydraulic trailer brake supply lines (if equipped) at the right rear side of the tractor.

STEP 46

Continue lifting the cab and remove it from the tractor. Carefully lower the cab. Properly support the cab by the steel cab rails off the floor to provide clearance for the cab pressurization blower.
CAB INSTALLATION

STEP 47
Make sure the chains attached to cab lift tool CAS2531 do not bind against the roof or cab lenses. Properly support the cab and lower it.

STEP 48
Lower the cab until the hydraulic trailer brake supply lines (if equipped) can be installed at the right rear side of the tractor. Properly support the cab. Tighten the trailer brake supply lines.

STEP 49
Lower the cab on the tractor chassis, aligning the cab mount bolts with the holes in the cab frame. Check for pinched cables, lines, or hoses.

STEP 50
Set the preload on the cab isomounts to a torque of 47 to 61 Nm (35 to 45 lb ft) by holding the square plate and tightening the bolt. Install the rear cab mount washer and tighten the nut to a torque of 190 to 244 Nm (140 to 180 lb ft) on both sides of the cab. Have an assistant hold the bolt, if necessary.
STEP 51
Set the preload on the front cab isomounts using the procedure in the previous step to a torque of 47 to 61 Nm (35 to 45 lb ft). Install the front cab mount washer and tighten the nut to a torque of 190 to 244 Nm (140 to 180 lb ft) on both sides of the cab.

STEP 52
Remove the cab lifting tool and the front and rear cab lifting brackets. Install the plastic plugs in the cab rear window posts.

STEP 53
Remove the upper bolt and swing the tractor rear warning lights up, if equipped. Install the upper bolt. Tighten the upper and lower bolts.

STEP 54
Install the mirrors and the three mirror retaining bolts. Connect the electrical plug if equipped.

STEP 55
Lubricate new O-rings with refrigerant oil and install on the air conditioning fittings. Install the fittings at the engine firewall. Recharge the air conditioning system with freon at the capped line fittings attached to the rear of the air conditioning compressor. Refer to the air conditioning service information in this manual.
STEP 56
Install the four controller modules on the rear of the cab. Plug in the connectors for the rear lamps. Install the cab rear window washer hose to the nozzle on the left rear fender, if equipped.

STEP 57
Install the cab wiring plug at the rear of the cab.

STEP 58
Install the cab power cables at the right rear of the cab.

STEP 59
Install the two bolts securing the rear cab panel to the cab.

STEP 60
Install the electrical connector from the cab pressurization blower.

NOTE: Fuel tank removed for photographic purposes.

STEP 61
Install the supply line to the left and right rear brake.
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STEP 62
Position the transmission wiring harness and install the right hand cab heater and air conditioning duct hose.

STEP 63
Using the identification tags from the disassembly procedure, install the ground cables (1). Install the cab connector (2) at the right hand front side of the cab.

STEP 64
Use the identification tags to install the brake valve supply line (1) and return line to sump (2).

STEP 65
Use the identification tags to install the wiring harnesses on the two brake light switches (1).

STEP 66
Connect the cab heater supply and return lines (1).

NOTE: Only on Models TG210 and TG230 tractors.
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STEP 67
Use the identification tags to install the four hydraulic hoses (1) and the steering sensing line (2) on the steering hand pump.

STEP 68
Install the rear wheels, if removed. Apply antiseize to the wheel hub bolts and tighten in a crossing pattern to a torque of 530 to 570 Nm (390 to 420 lb ft). Remove rear axle supports, if the rear wheels were removed. Install the tractor hood. Refer to the hood installation information in this manual. Fill the cooling system. Connect the positive (+) battery cable first, then the negative (−) battery cable. Check the hydraulic fluid level. Add fluid as needed. Remove the front axle wheel blocks.