JOHN DEERE
X465, X475, X485, X495, X575, X585 and X595
X700 SERIES (X700, X720, X720se, X724, X728, X728se, X729, X740, X744, X748, X748se, X749)
CAB MOUNTING INSTRUCTIONS

A-11271

Manufactured by:

CUSTOM PRODUCTS
OF LITCHFIELD, INC.
BOX 70 • LITCHFIELD, MINNESOTA 55355-0070
Phone: (320) 693-3221 Fax: (320) 693-7252
1-800-222-5463
Website: www.800cabline.com

05-10408
November 21, 2006
SAFETY INSTRUCTIONS

Read operator’s manual. Be thoroughly familiar with the controls, capabilities, and proper use of the equipment.

NEVER ALLOW ANY RIDERS.

Thoroughly inspect cab mounting periodically.

Stay alert for hidden hazards and traffic.

Avoid sudden starts, excessive speeds, and sudden stops when operating on hillside, rough ground and most off-the-road operations.

Use extreme care when working close to fences, ditches, or on hillsides.

Wait for tractor to STOP before dismounting.

Check clearance carefully before driving under any objects.

Avoid operating sideways on a steep slope whenever possible.

ALWAYS buckle safety belt while operating tractor.

Never exceed factory recommended specifications.

DO NOT weld, cut, drill or modify ROPS in any manner unless instructed by manufacturer.
**Preparation of tractor**

1) Remove the (4) carriage bolts from each side of the rear frame. See figure 1. Note – Bolts are not present on all machines.

2) Open mounting kit box and layout parts. Refer to drawing #4-14637 for mounting parts identification and part numbers.

3) Removal of the mower deck is optional. It is easier to install the front mount with the deck removed. Open the tractor hood.

4) Install the front frame mount weldment #2-15707. Use (2) 3/8-16 x 1.00” bolts, (2) 5/16” flat washers and (2) 3/8-16 serrated flange nuts. See figure 3.

5) Install the front mount tube weldment #2-15706. Use a 1/2-13 x 3.50” bolt with a ½” flat washer and a 1/2-13 serrated flange nut to secure. See figure 4.

6) Install the rear mount assembly #4-14642. Use a 1/2-13 x 1.25” bolt with ¼” flat washer and ½” serrated flange nut on the lower hole on each side of the mount. Use (2) 3/8-16 x 1.00” bolts with 5/16” flat washers and 3/8-16 serrated flange nuts on the (2) front holes on each side of the mount. Use (2) 5/16-18 x 1.00” bolts with ¼” flat washers and 5/16-18 serrated flange nuts on the (2) rear holes on each side of the mount. See figures 2 and 5.
John Deere X Series
CAB MOUNTING INSTRUCTIONS

Installation of Cab

Raise the cab using the lifting ears on the roof of the cab. Remove the shipping stands from the cab.

7) Install (4) rubber isolator bushings in the front and rear cab mounts. See Figures 7 and 8.

NOTE: The rubber isolators with pipe bushings should be inserted from the top-side of the mounts.

8) Lower the cab over the tractor until the front and rear isolator bushings are resting on the front and rear mounts. Line up the holes in the mounts with the holes in the isolators. Secure the rear of the cab using (2) 1/2-13 x 5.00” bolts, (2) large flat snubbing washers, (2) ½” flat washers and (2) 1/2-13 nylock nuts. Secure the front of the cab using (2) 1/2-13 x 5.50” bolts, (2) large flat snubbing washers, (2) ½” flat washers and (2) 1/2-13 nylock nuts. See Figures 6, 7 and 8.

9) Install the filler neck cover assembly #4-14641. Use (2) 1/4-20 x ¾ bolts, (2) ¼” flat washers and (2) ¼” lock washers. See Figure 8.
Electrical Hook-up

10) Open the windshield and lift the tractor hood. Remove the right side screen assembly from the tractor console.

11) Attach the relay assembly bracket to the tractor. **GAS ENGINE** - Remove the lower mounting screw from the muffler guard on the left side of the tractor. Attach the bracket and the ¼” ring terminal on the 12” black ground wire from the relay using the mounting screw for the muffler guard. See figure 9.

**DIESEL ENGINE** – Mount the relay bracket to the lower right side of the machine frame along with the black 12” ground wire. See figure 11 and 19.

12) Route the 66” light green wire from the relay to the electrical panel on the right side of the console. Use the 3-way wire splice to connect the light green wire to the yellow #500 wire on the tractor. See figure 10.

13) Connect the 3/8” ring terminal on the 20” red wire from the circuit breaker to the (+) positive post on the starter motor. See figure 9. Gas engine shown – diesel engine similar.

14) Install a grounding screw. Using the hole on either side of the rear mount seal panel, match drill a 5/32” hole into the lower door tube. Install a #10 x 5/8 self-tapping screw.

15) Install corrugated wire loom onto the wires and secure with wire ties to avoid any hot or moving parts.
John Deere X Series
CAB MOUNTING INSTRUCTIONS

Installing Seal Panels

16) Install the lower left side air intake panel, #4-14672. Use (2) 1/4-20 x 3/4 bolts, (4) 1/4" flat washers, (2) 1/4" lock washers and (2) 1/4-20 nuts. Do not tighten. Position the panel to seal around the tractor cowl area. Remove the backing from the peel and stick velcro on the back of the right side of the panel and attach the velcro to the cowl. Use the adjustment slots on the panel to get a good seal and secure. See Figures 12 and 13.

17) Install the nylon lower right air intake cover, #4-14673, over the brake pedal. Position the cover over the right air intake and attach to the velcro on the left side air intake assembly. Remove the backing from the peel and stick velcro and attach the velcro to the cowl and step housing to get a good seal. See figure 13.
18) Install the lower right filler panel, #4-14674. Use (2) 1/4-20 x ¾" bolts, (4) ¼" flat washers, (2) ¼" lock washers and (2) 1/4-20 nuts. With the hood closed, use the adjustment slots to get a good seal and secure. See figure 14.

Heater Hookup

The following steps are necessary to achieve coolant flow through the heater core.

19) Lower the cab headliner by removing the (3) screws in the upper cross member. Remove the heater valve covers. Remove the (2) screws on the cover assembly to remove one half of the cover and remove the screw from the bottom of the footpad to remove the other half. Remove the heater tube assembly from the right side door post by removing the (2) mounting screws. Disconnect the heater wire harness. Remove the (4) heater mounting screws. Take the heater unit out of the headliner and position it out the left door so it is lower than the top of the engine. Rest the heater unit on a stand or table. See figures 15 and 16.
20) Drain the coolant from the tractor. Note: The cab includes an "H" shut off valve which allows coolant to return to the engine when the valve is in the closed position therefore not affecting bypass function.

21) **Gas Engines Only** (Steps 22-23) See Figure 17. Locate the bypass hose that is connected behind the engine's thermostat. Disconnect the lower end from the fitting. Install a 1/2" x 5/8" hose adapter into the end of the bypass hose using a hose clamp to secure. Install a 3" piece of 1/2" heater hose onto the engine fitting with a hose clamp. Install a 1/2" x 5/8" hose adapter into the 1/2" hose with a hose clamp. Cut the heater hose from the upper hole on the front of the cab to a length that will allow it to reach the hose adapter on the bypass hose without stretching or kinks. Connect it to the hose adapter with a hose clamp.

22) Cut the heater hose from the lower hole on the front of the cab to a length that will allow it to reach the adapter on the 1/2" hose without stretch or kinks. Connect it with a hose clamp. See figure 17.
**Diesel Engines** Steps 24-30 (See Figures 18 and 19)

23) Unplug the temperature sensor and remove the sensor from the thermostat housing. Set the sensor and seal washer aside for reinstallation.

24) Use pipe seal thread tape or liquid pipe seal compound on all threaded fittings. Install the provided aluminum fitting into the thermostat housing with the rubber O-ring washer. **Do not overtighten!** When the O-ring washer seats, rotate the fitting so that the side port is accessible.

25) Install a 5/8 hose nipple into the side port of the aluminum fitting.

26) Reinstall the temperature sensor into the end of the aluminum fitting. Connect the sensor wire.

27) Cut the upper heater hose to a length that will allow it to be connected to the 5/8 hose nipple without contacting any hot or moving parts. Attach the hose to the hose nipple with a hose clamp.

28) Cut ½” out of the lower radiator hose. Install the heater tee weldment into the lower radiator hose with (2) hose clamps.

29) Cut the lower heater hose to a length that will allow it to be connected to the heater tee. Attach the hose with a hose clamp.
30) Remove the top hose from the heater unit. Pour coolant into the hose and heater unit to remove all air from the system. Reinstall the hose to the heater unit. See figure 20.

31) Refill the radiator.

32) Start the engine and run at fast idle to purge any remaining air from the system and check for any leaks. Cycle the heater valve on and off several times while engine is running. Check coolant level.

33) Reinstall the heater unit into the headliner. Reinstall the heater tube assembly and heater valve covers. Return the headliner to the closed position being careful not to pinch or twist any hoses or wires.
1/2" WIDE HOOK VELCRO AROUND ENTIRE FILTER ON OPPOSITE SIDE AS THE VELCRO THAT COMES WITH THE FILTER

REPLACE THE BLUE WIRE WITH THE LIGHT GREEN WIRE 66" LONG

HAVE RELAY PLATE SO THE HOT WIRE IS 42" FROM THE EXIT HOLE AND SECURE TO CAB

ITEM 28 RUNS UP TO ITEM 31

SCALE 0.200
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**ASSEMBLY, GAS COVER**

**CUSTOM PRODUCTS**
1765 SOUTH SIBLEY AVE.
LITCHFIELD, MN 55355

**CUSTOMER NAME & MOD NO.**
JD X SERIES

**DRAFTSMAN**

**DATE**
10/29/02

**REV.**

**DOC. NO.**

**DESCRIPTION**

**DRAFTSMAN**

**DATE**

**TOLERANCES UNLESS NOTED OTHERWISE**

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**HOLE SIZE**

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**ANGLE**

| ANGLE | |
|-------| |
| ± 5°  | |
RUN RUBBER AROUND THE CORNER AND PAST THE ENDS BY 3/4" BOTH SIDES

SCALE 0.200

APPROX 54°

PAINT BLACK

ITEM # | DESCRIPTION | QTY
-------|-------------|-----
1      | 2-15708     | 1   
2      | 3-10610-SEAL-REARMNT | 1   
3      | 3-14688A_SEATBELT | 1   
4      | 3-14688B_SEATBELT | 1   
5      | 3-10166_4375_WASHER | 4   
6      | 3-10026_44_HHCS_X125 | 2   
7      | 3-10472_4375_NYLOCK | 2   
8      | 3-11853_COZY_DECAL | 1   

CUSTOMER NAME & MOD NO: JD X SERIES
CUSTOM PRODUCTS 175 SOUTH SIBLEY AVE.
LITCHFIELD, MN 55355

PART SIZE  DRAW NO DATE  REV LEVEL
4-14642 SRB 8/16/02 B

TOLERANCES UNLESS NOTED OTHERWISE
X ± .08
XX ± .06
XXX ± .03
HOLE SIZE .065/.06
ANGLE ± 5°
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<td>3-14333.VELCRO-LOOP-1</td>
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**NOTES:**

- Item 2 should be .50" longer than metal edge.

**Dimensions:**

- Item 5 runs from this point to this point. It is only partially shown.
- Approximately 19.00°
- Approximately 32.00°
- 1.00" past corner
- Scale: 0.375
- Scale: 0.750
ALL EDGES OF 1-42809 SHOULD BE
FOLDED OVER 1.00" AND SEWN WITH
VELCRO 3-10635 USED AROUND THE
ENTIRE PERIMETER OF THE COVER
VELCRO 3-10633 IS USED ONLY WHERE SHOWN
DO NOT REMOVE PSA BACKING TAPE COVER

FINISHED SURFACE
3-10610 RUBBER IS ONE COMPLETE PIECE NOT (2) SEPARATE PIECES AS SHOWN

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CUSTOMER NAME & MOD. NO.  JD X SERIES
CUSTOM PRODUCTS  775 SIBLEY AVE.
                   LITCHFIELD, MN 55355

ASSEMBLY, RIGHT LOWER FRONT FILLER

SCALE: 0.500

TOLERANCES UNLESS NOTED OTHERWISE

X ± .09
XX ± .06
XXX ± .03
HOLE SIZE ± .000
ANGLE ± 5°