

# JOHN DEERE 4100, 4110 and 4115 CAB MOUNTING INSTRUCTIONS



# Fits 410 loaders with 2 post non-folding ROPS A-11170



BOX 70 • LITCHFIELD, MINNESOTA 55355 (320) 693-3221 Fax: (320) 693-7252 www.800cabline.com

# **A** SAFETY INSTRUCTIONS

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

**NEVER ALLOW ANY RIDERS.** 

**IMPORTANT:** This cab must only be used on tractors outfitted with a NON-FOLDING ROPS.

**DO NOT** place this cab on a tractor outfitted with a folding ROPS.

**DO NOT** remove the top half of a folding ROPS to accommodate this cab.

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.

## Mounting Instructions John Deere 4100, 4110 and 4115

#### 1. PREPARATION OF TRACTOR;

- A. Remove grab handles from tractor fenders.
- B. Disconnect battery power.
- C. Remove rear w arning I ights f rom r oll bar. Attach warning lights to cab using (1) LH #7-15662 a nd (1) RH #7- 15661 d ual I ight mounting brackets. Sec ure lights to bracket with; (See Figure 1C).
  - (4) 8mm x 25mm cap-screws
  - (4) 5/16" lock washers
- D. Secure brackets to cab, on each side using;
  - (4) 1/4-20unc capscrews
  - (4) ½-20unc nyloc nuts
  - (8) 1/4" flat washers
- E. Install Du al Light Wire Ex tension Kit #8-14639 to route wires into cab and down each side of the interior cab wall. See Figure 1C and 1E.
- F. Remove side engine panels and hood.

#### 2. INSTALLING THE CAB MOUNT PLATES;

- G. Note: Loader brackets must be purchased from John Deere in order to mount the front cab mount plates.
- H. Attach JD Loader Brackets to eac h s ide of the tractor frame using and secure with;
  - (6) 10mm x 35mm bolts
  - (6) 7/16" lock washers
  - (4) 7/16-14unc x 1" long bolts
  - (4) 7/16" lock washers
  - (4) 7/16-14unc Nyloc Nuts

See Figure 2H.

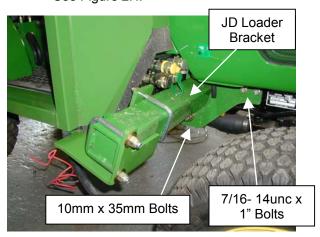


Figure 2H



Figure 1C



Figure 1E

## Mounting Instructions John Deere 4100, 4110 and 4115

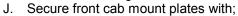
U-Bolt

#3-17278

#### 2. MOUNTING THE CAB MOUNT PLATES;

- I. Mounting Front Cab Mount Plates;
  - For 4100 and 4110 models, a ttach left mount #6- 39308 a nd r ight m ount #6- 39309 to the J D Lo ader Brackets, j ust installed in step "H". See Figure 2H.

For 4115 models, attach lef t m ount #6-42584 and right mount #6-42585.



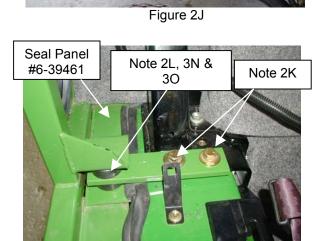
- (4) 1/2-13unc U-bolts
- (8) 1/2" flat washers
- (8) ½-13unc nyloc-nuts.

See Figure 2J.

- K. Remove (2) bolts (on each side) from the roll bar mount. See F igure 2K. Ins tall r ear mounting bracket #6-39310 on each side of unit. Secure with;
  - (4) 12mm x 50mm bolts
  - (4) 1/2" flat washers
  - (4) 1/2" lock washers
- L. Install (4) Rubber isolator bushing in front and rear mounts. NO TE: Is olator mounts (#3-16635) with pipe bushing should be inserted from the top side of mount.
- M. Adjust seat forward, tilt and remove hinge pin and s eat. Attach r ear s eal panel assembly #8-14239 using (2) existing holes in the roll bar cross member and secure with;
  - (2) 1/4"-20unc x 1" long bolts
  - (2) 1/4" flat washers
  - (2) 1/4"-20unc Nyloc Nuts

See Figure 3M.

Some trimming of fabric may be needed to achieve proper fit of real seal panel. Reinstall seat and seat pivot pin.



Cab Mount

Plate

JD Loader

**Bracket** 

Figure 2K

#### 3. INSTALLATION OF CAB

- N. Remove cab from shipping stand. Lower cab over roll bar until cab contacts front and rear isolator bushings. See Figure 2K and 3M.
- O. Secure cab to bushings with;
  - (4) ½-13unc x 3.0" long Bolts
  - (4) 1/2-13unc Nyloc Nuts
  - (4) 1/2" Snubbing Washers

Seal Panel #6-39461 will be secured from the bottom s ide of the r ubber m ount with the fasteners noted above. See Figure 2K.

P. Install front hood panel;

For models <u>4100 and 4115</u>: #8-14240 For model 4110: #8-14649

Secure hood panel with;

- (2) 1/4-20unc x 1" bolts
- (2) 1/4-20unc nylock nuts (See Figure 3P)

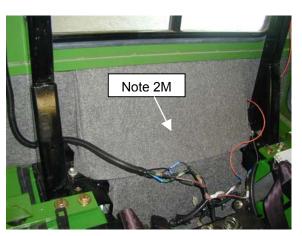


Figure 3M

# Mounting Instructions John Deere 4100, 4110 and 4115

- Q. Install right and left floor mats on each side.
- R. Remove Slow Mo ving Vehicle's ign and bracket from tractor seat. Re-mount sign and bracket using holes located on the back-left side of cab.





- A. Mount #3- 17803 U niversal W ire Relay Breaker Kit in the eng ine compartment area. Bracket #6-42329 m ay be used if r oom permits. See Figure 4A.
- B. Refer to drawing #3-17803 and # 8-14376 for additional electrical connections and details.
- C. Make sure the c ab is grounded to frame by installing cab to ground wire #8-14258.

#### 5. HEATER HOSE HOOKUP (Ref. Drawing #8-14232)

- A. Drain coolant from radiator and engine block.
- B. Remove temperature sensor from thermostat housing area.
- C. Install aluminum fitting #3-15815 with O-ring washer # 3-16823 into thermostat housing. See Figure 5C.
- D. Re-install temperature s ensor into the aluminum fitting just installed (Step 5C).
- E. Install hose to NPT fitting #3-12119 into the side port of the aluminum fitting.
- F. Measure and cut the 5/8" he ater hose that routes (Supply Line) from the left (Driver) side of the c ab to the thermostat-aluminum-hose nipple fitting. Plastic elbow #3-10282 should be used at the bottom of the cab tubes. See Figure 3M.



Figure 3P (4110 hood shown)



Figure 4A

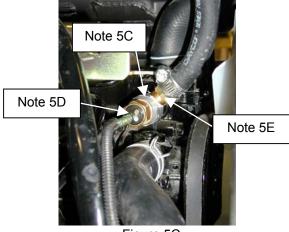


Figure 5C

05-10324 June 2003

## John Deere 4100, 4110 and 4115 Mounting Instructions

- G. The lower radiator hose will need to be cut for installation of the lower radiator hose "T" fitting #7-11308. See Figure 5G.
- H. Install 5/8" hose to NPT fitting #3-12119 into the lower radiator hose "T" fitting. See Figure 5G.
- Measure and c ut th e 5/8" he ater hose from the right side (Return Line) of the cab with the 90-degree elbow # 3-10282 t o t he lower radiator hos e "T" nippl e f itting. See Figure 5G.
- J. Tighten a II hos e c onnections with hose clamps.
- K. Re-connect Battery Power.
- L. Refill radiator. Start engine and run at fast idle to purge air from coolant system. Mak e sure the Heat-Pull Lever is pulled out (Turned On).
- M. Check for leaks.
- N. Check c oolant level af ter he ater c ore and hoses are filled.

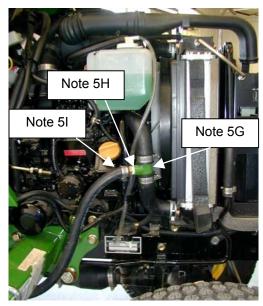


Figure 5G

#### 6. ADDITIONAL INSTRUCTIONS (4110 models, ONLY!)

- A. Since the 4110 hoo d slightly differs from the 4100 a nd 4115, the fuel cap lid ne eds to be modified. Remove 3/4" from the end of the fuel cap lid as shown in Figure 6A.
- B. The 4110 hood also sets back further towards the cab and therefore the hood will not open as far as the oth er models. Install the shorter hood rod #7-15714 to prevent the hood from contacting the cab. See Figure 6B.

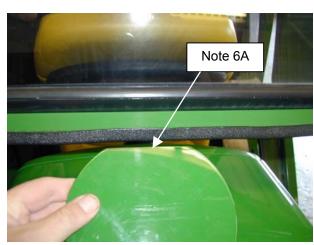


Figure 6A (4110 Models ONLY)

#### 7. VERTICAL EXHAUST KIT

A. For applications that require a high exhaust system, over the he ad of the operator, a vertical ex haust kit is available through you local John Deere dealer.



Figure 6B (4110 Models ONLY)

#### John Deere 4100, 4110 and 4115 Mounting Instructions

#### **Drawing Index**

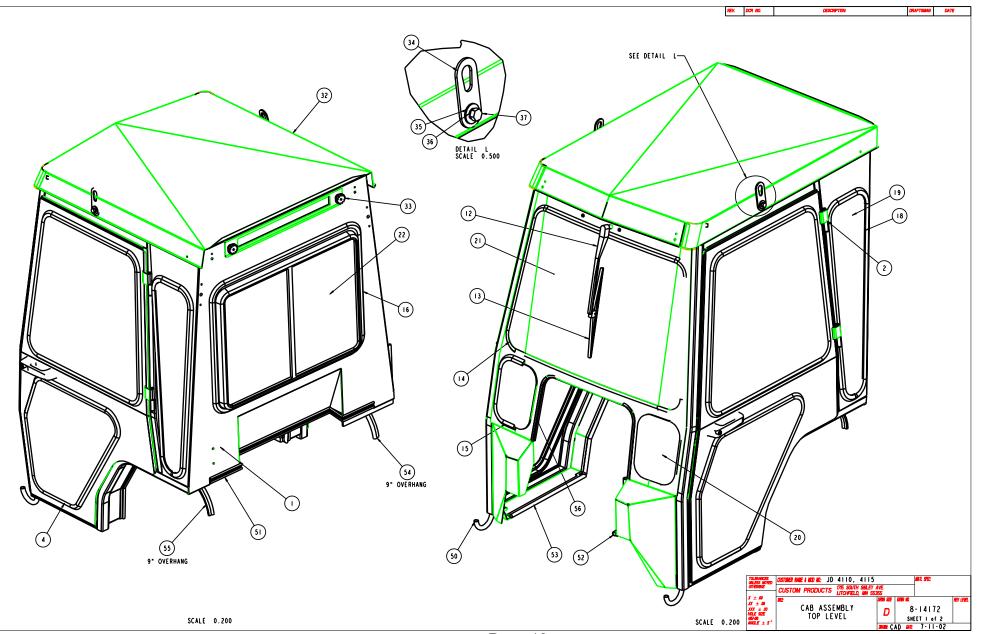
8-14172	CAB ASSEMBLY
8-14173	DOOR ASSEMBLY RIGHT
8-14174	DOOR ASSEMBLY LEFT
8-14630	HEADLINER ASSEMBLY
8-14176	MOUNT KIT -COMMON
8-14241	MOUNT KIT FOR 4100
8-14647	MOUNT KIT FOR 4110
8-14648	MOUNT KIT FOR 4115
8-14232	HEATER KIT
8-14376	ELECTRICAL SCHEMATIC
3-17803	WIRE RELAY BREAKER HARNESS
8-14639	WIRE EXTENSION FOR DUAL LIGHTS

#### 8-14172 Cab Assembly

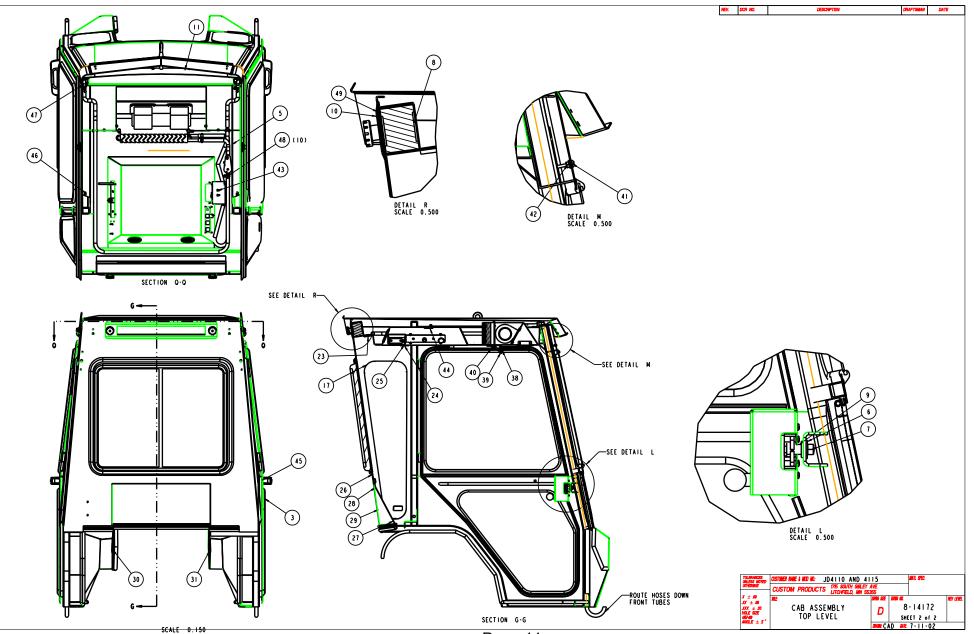
<u>ITEM</u>	<u>QTY</u>	PART NO.	DESCRIPTION
1	1	7-15074	Cab Weldment
2	4	3-15917	Right Upper Door Glass
3	1	8-14173	Right Door Assembly
4	1	8-14174	Left Door Assembly
5	1	8-14630	Headliner Assembly
6	2	3-10166	.437 Flat Washer
7	2	3-10472	.437-14 Nyloc Hex Nut
8	1	3-15944	Filter, 2.19 x 3" x 20.88"
9	2	3-15407	Striker Stud & Washer
10	1	6-37535	Air Filter Cover
11	1	3-11099	Wiper Motor
12	1	3-15776	Wiper Arm
13	1	3-15763	Wiper Blade
14	10 FT	3-10649	Window Rubber
15	2 FT	3-10649	Window Rubber, 2 FT
16	9 FT	3-10649	Window Rubber
17	7 FT	3-10649	Window Rubber
18	7 FT	3-10649	Window Rubber
19	2	3-17176	Side Rear Glass
20	2	3-17177	Lower Front Glass
21	1	3-17173	Front Windshield Glass
22	1	3-16652	Rear Sliding Window Assembly
23	1	6-39855	Rear Headliner Insulation
24	1	6-39856	Right Rear Side Headliner Insulation
25	1	6-39857	Left Rear Side Headliner Insulation
26	1	6-39859	Top Rear Panel Insulation
27	1	6-39860	Bottom Center Rear Insulation
28	1	6-39861	Left Rear Bottom Insulation
29	1	6-39862	Bottom Right Rear Insulation
30	1	6-39864	Lower Left Front Insulation
31	1	6-39865	Lower Right Front Insulation
32	1	7-15208	Roof Weldment
33	2	3-15573	Black Plastic Knob
34	2	6-20618	Lifting Ear
35	2	3-10087	.500 Flat Washer
36	2	3-10079	.500 Lock Washer
37	2	3-10129	Hex-Head Bolt, 1/2-13 NC X 1" Long, Grd 5
38	2	3-10077	.312 Lock Washer
39	2	3-11821	Gas Spring Ball Stud
40	2	3-13024	6" Stroke Gas Spring
41	2	3-10135	Machine Screw, #10-24 X 1.00 TH SL

#### 8-14172 Cab Assembly (Continued)

<u>ITEM</u>	<b>QTY</b>	PART NO.	<b>DESCRIPTION</b>	
42	2	3-10083	.187 Flat Washer	
43	2	3-10308	Nyloc Hex Nut, #10-24 NC	
44	4	3-14387	.25-20 NC Nut Sert	
45	4	3-10076	.250 Lock Washer	
46	4	3-10220	Hex-Head Bolt, 1/4-20 NC X 1" Long, Grd 5	
47	2	3-10282	Plastic Elbow	
48	3	3-10858	#10 Hose Clamp	
49	4 FT	3-11264	Sponge Polyfoam	
50	2	3-11172	Heater Hose	
51	1	3-10610	Seal Rubber, Clip-on Bubble, 180 Degrees	
52	1	3-15952	Seal Rubber, 3/4" OD Bubble, Up TO 1/8" Material	
53	1	3-15952	Seal Rubber, 3/4" OD Bubble, Up TO 1/8" Material	
54	1	3-10610	Seal Rubber, Clip-on Bubble, 180 Degrees	
55	1	3-10610	Seal Rubber, Clip-on Bubble, 180 Degrees	
56	1	3-12138	Trim Seal, 7/16 OD Bubble, 1/8 Mat	



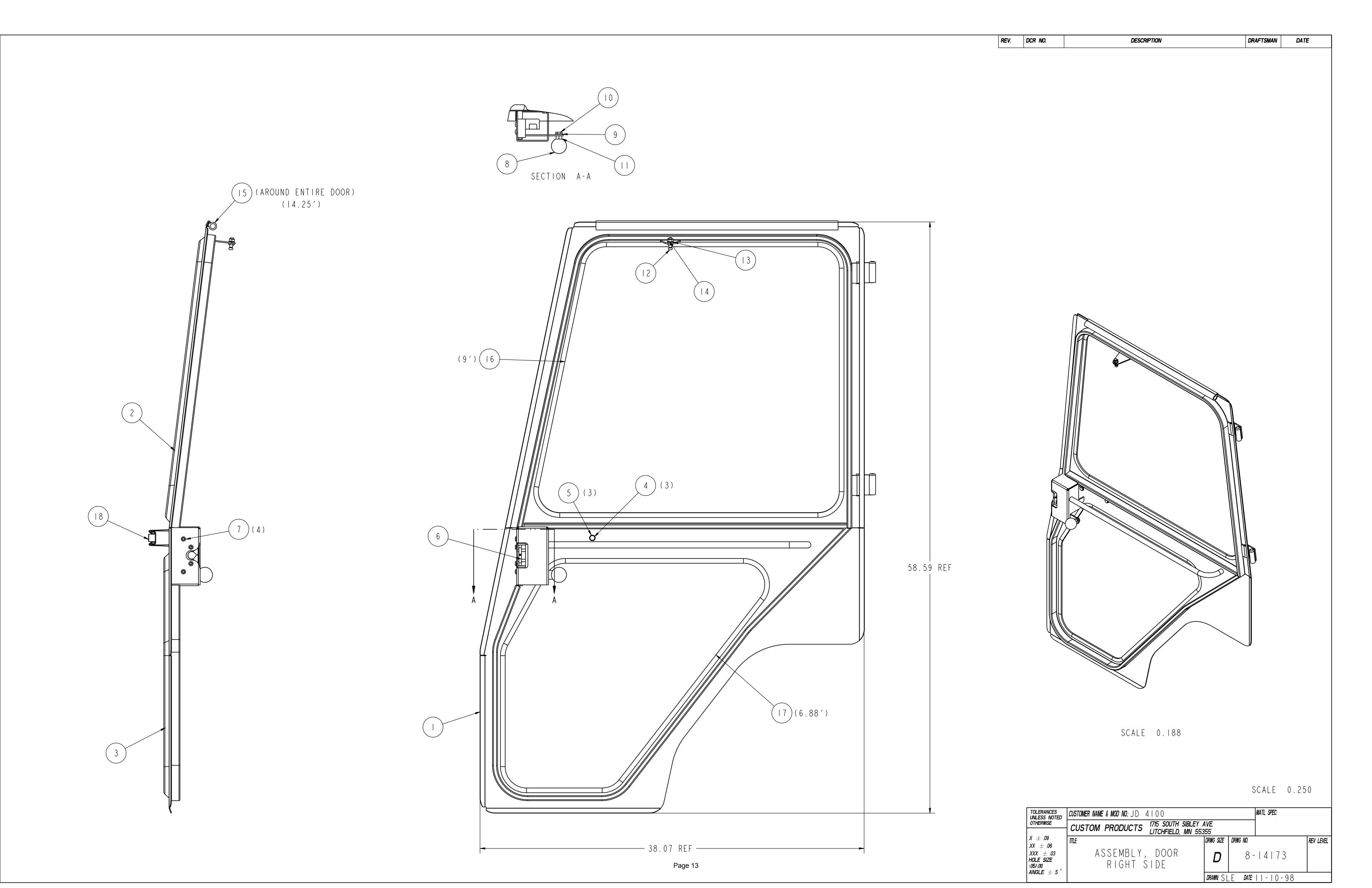
Page 10



Page 11

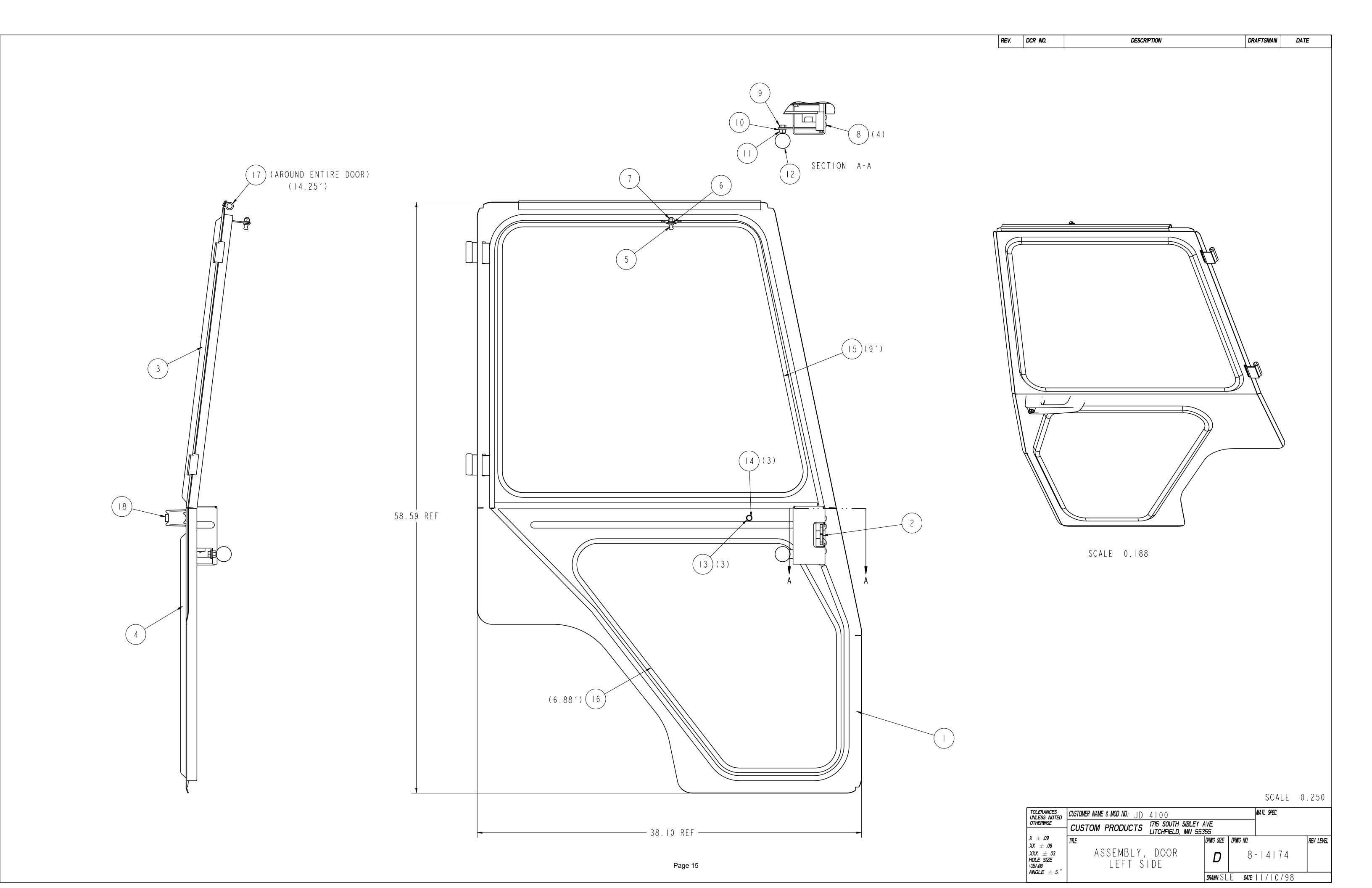
#### **Right Door Assembly 8-14173**

<u>ITEM</u>	<u>QTY</u>	PART NO.	DESCRIPTION
1	1	7-15075	Right Door Weldment
2	1	3-17178	Upper Door Glass
3	1	3-17179	Lower Door Glass
4	3	3-12692	Hex-Head Bolt, M6-15 x 1" Long, Gr 8.8
5	3	3-10076	.250 Lock Washer
6	1	3-15640	Latch, Rotary
7	4	3-10106	.250-20 NC X .630 Machine Screw
8	1	3-14231	Knob
9	1	3-10078	.375 Lock Washer
10	1	3-10147	.375-16 NC x 1.00 Hex Head Cap Screw
11	1	3-10065	.375-16 NC Hex Nut
12	1	3-11821	Ball Stud
13	1	3-10077	.312 Lock Washer
14	1	3-10064	.312-18 NC Hex Nut
15	14.3 FT	3-15952	Trim Seal 90 degree bubble
16	9.0 FT	3-10649	Window Rubber, Upper Right
17	6.9 FT	3-10649	Window Rubber, Lower Right
18	1	3-15574	Handle, Exterior



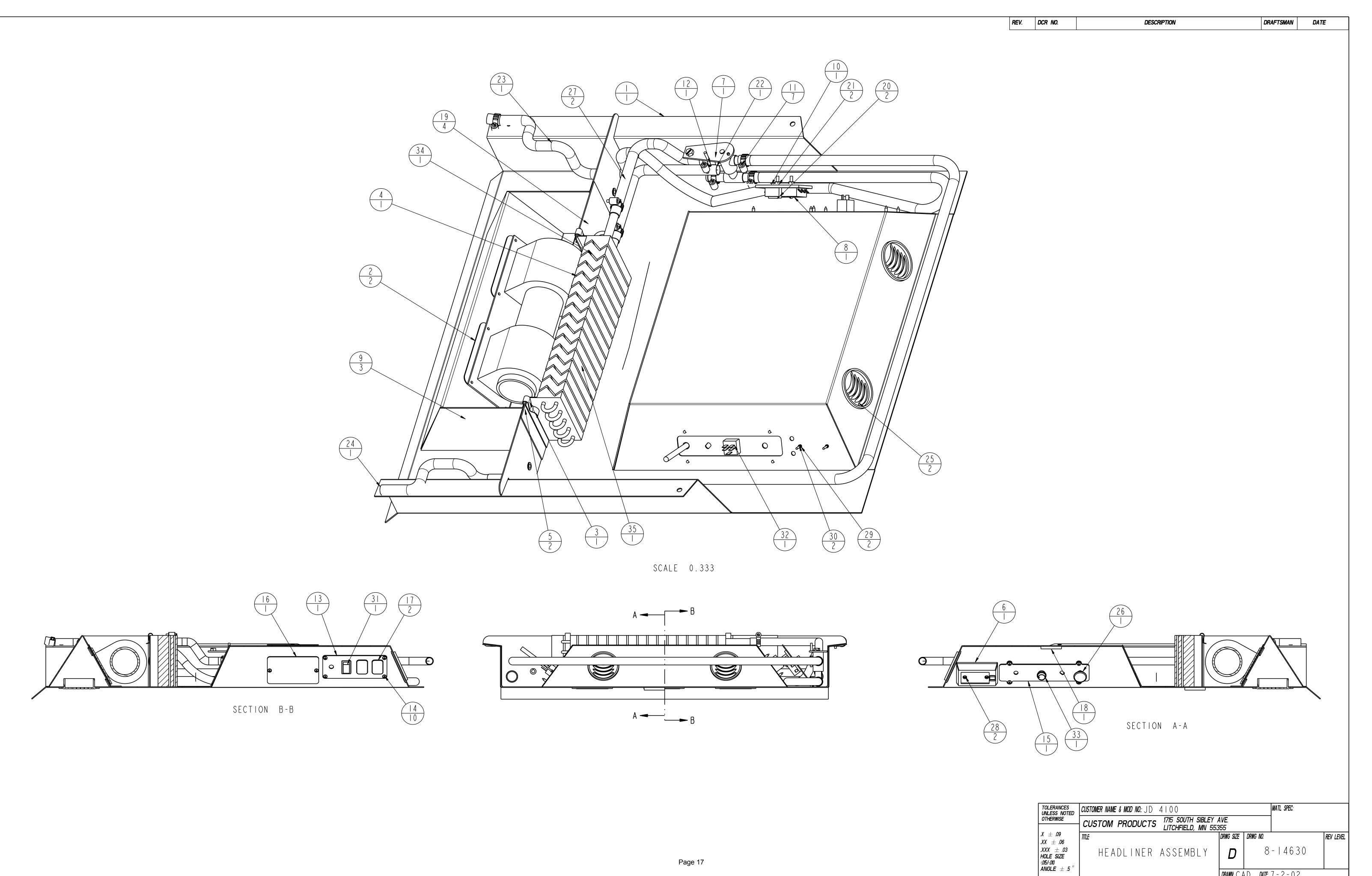
#### Left Door Assembly 8-14174

<u>ITEM</u>	<u>QTY</u>	PART NO.	<b>DESCRIPTION</b>
1	1	7-15076	Left Door Weldment
2	1	3-15567	Latch, Rotary
3	1	3-17178	Upper Door Glass
4	1	3-17179	Lower Door Glass
5	1	3-11821	Ball Stud
6	1	3-10077	.312 Lock Washer
7	1	3-10064	.312-18 NC Hex Nut
8	4	3-10106	.250-20 NC X .630 Machine Screw
9	1	3-10147	.375-16 NC x 1.00 Hex-Head Cap Screw
10	1	3-10078	.375 Lock Washer
11	1	3-10065	.375-16 NC Hex Nut
12	1	3-14231	Knob
13	3	3-10076	.250 Lock Washer
14	3	3-12692	M6 x 1.00 Hex-Head Cap Screw
15	9.0 FT	3-10649	Window Rubber, Upper Left
16	6.9 FT	3-10649	Window Rubber, Lower Left
17	14.3 FT	3-15952	Seal Rubber, 3/4" OD Bubble, Up to 1/8" Material
18	1	3-15574	Handle, Exterior



#### **Headliner Assembly 8-14630**

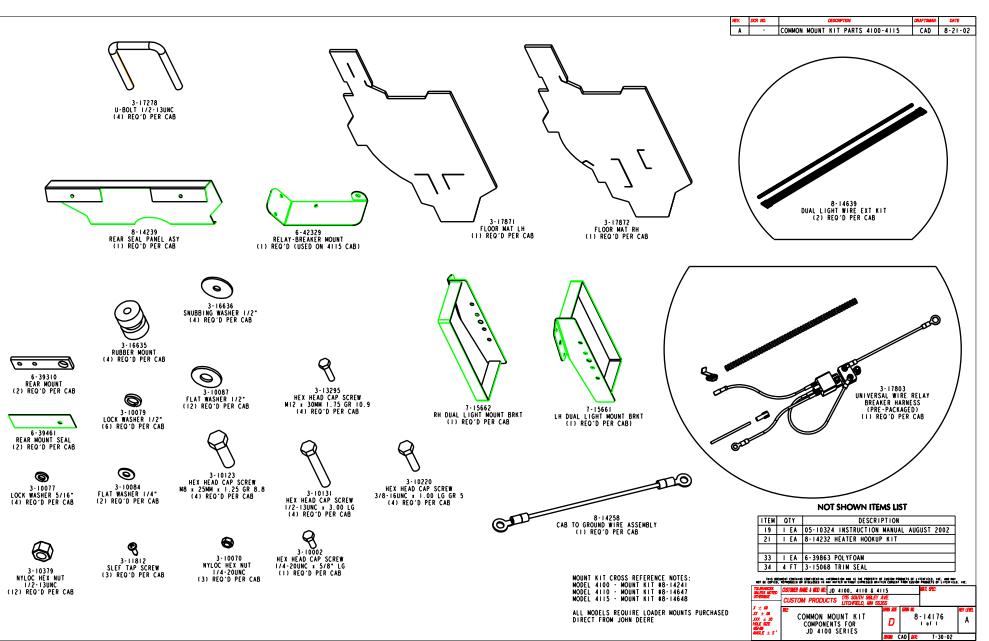
<u>ITEM</u>	<u>QTY</u>	PART NO.	DESCRIPTION
1	1	7-15105	Headliner weldment
2	2	3-11202	Blower Gasket
3	1	3-15935	Dual Wheel Blower
4	1	3-16572	Heater Core
5	2	3-16672	Heater Core Flange Frame Clip
6	1	3-16232	Dome light, 12V
7	1	3-16692	Heater Temp. Control Valve
8	1	3-16033	Fuse Block
9	3	3-15594	Round Louver
10	1	3-16580	ATO/ATC Fuse, 30 AMP
11	7	3-10858	#10 Hose Clamp
12	1 FT	3-11172	Heater Hose
13	1	6-37263	Wiper & Lights Switch Plate
14	10	3-11812	Self tap Screw, #10 x 6.25
15	1	6-37482	Switch Mounting Plate
16	1	6-36057	Fuse Cover
17	2	3-16677	Rocker Switch Hole Plug
18	1	6-39854	Center Headliner Insulation
19	4	3-10729	Snap Bushing Grommet
20	2	3-10099	Machine Screw, #10-24 NC X 1.50
21	2	3-10308	Nyloc Hex Nut, #10-24 NC
22	1 FT	3-11172	Heater Hose
23	5 FT	3-11172	Heater Hose
24	7 FT	3-11172	Heater Hose
25	2	3-15928	Black Round Louver
26	1	3-11149	Heater Control Assembly Cable
27	2	3-11738	Grommet, 1.125 Dia. MTG Hole
28	2	3-16984	Machine Screw, #6-32 NC X 1.50 RH SL
29	2	3-12637	Hex Nut, #6-32 NC
30	2	3-12638	Washer, #6 Lock
31	1	3-16274	Rocker Switch
32	1	3-15432	Rotary Switch
33	1	3-11173	Blower Switch Knob
34	1	3-11741	Plug, Hole, Plastic, .750 Dia.
35	1	6-39858	Front Headliner Insulation



DRAWN: CAD DATE: 7-2-02

#### Mount Kit -Common 8-14176

<u>ITEM</u>	<b>QTY</b>	PART NO.	<b>DESCRIPTION</b>
1	2	6-39310	Rear Mount
2	2	6-39461	Rear Mount Seal
3	1	3-17871	Left Floor mat
4	1	3-17872	Right Floor mat
5	1	3-10002	Hex-Head Bolt, 1/4-20 NC X 5/8" Long, Grd 5
6	3	3-10070	Nyloc Hex Nut, .250-20 NC
7	4	3-10077	.312 Hel Spring Lock Washer
8	6	3-10079	.500 Hel Spring Lock Washer
9	2	3-10084	.250 Flat Washer
10	12	3-10087	.500 Flat Washer
11	4	3-10123	Hex-Head Bolt, M8-25 X 1-1/4" Long, Grd 8.8
12	4	3-10131	Hex-Head Bolt, .50-1 3 NC x 3.00, Grade 5
13	4	3-10220	Hex-Head Bolt, 1/4-20 NC X 1" Long, Grd 5
14	12	3-10379	Nyloc Hex Nut, .50-113 NC
15	4	3-13295	Hex-Head Bolt M 12 x 30 x 1.75 C 933 C 10.9
16	4	3-16635	Rubber Mount
17	1	05-10324	Mounting Instructions
18	4	3-16636	Snubbing Washer 1/2"
19	1	8-14232	Heater Hook Up Kit
20	1	8-14239	Rear Seal Panel Asy
21	3	3-11812	Self tap screw
22	1	6-39863	Insulation
23	4 FT	3-15068	Seal Rubber, 3/8" OD Bubble, Up to 1/8" Material
24	1	6-42329	Relay Breaker Mount
25	4	3-17278	U-Bolt, ½-13unc
26	2	8-14639	Dual light wire extension kit
27	1	3-17803	Universal wire breaker relay harness
28	1	7-15661	LH Dual Light Mount
29	1	7-15662	RH Dual Light Mount



Page 19

#### Replacement Parts List Mount Kit for 4100 8-14241

<u>ITEM</u>	<b>QTY</b>	PART NO.	DESCRIPTION
1	1	6-42584	Left Front Mount Plate 4100 and 4110
2	1	6-42585	Right Front Mount Plate 4100 and 4110
3	1	8-14240	Hood Panel for 4100 and 4115

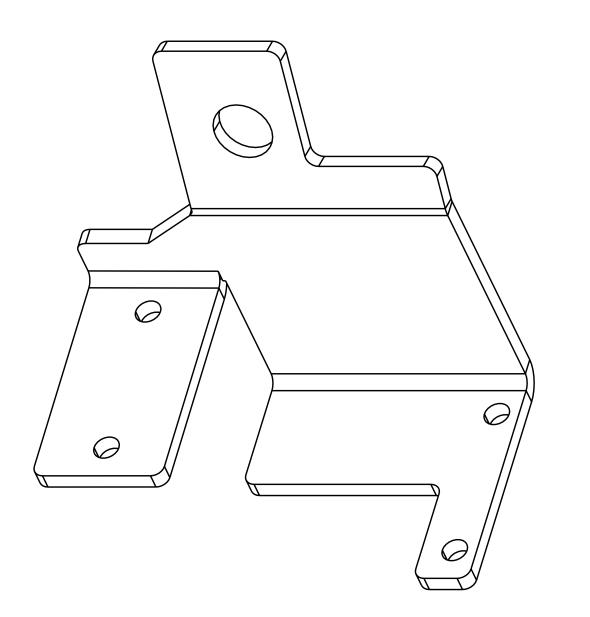
#### Replacement Parts List Mount Kit for 4110 8-14647

<u>ITEM</u>	<u>QTY</u>	PART NO.	<u>DESCRIPTION</u>
1	1	6-42584	Left Front Mount 4100 and 4110
2	1	6-42585	Right Front Mount 4100 and 4110
3	1	8-14649	Hood Panel for 4110 -ONLY

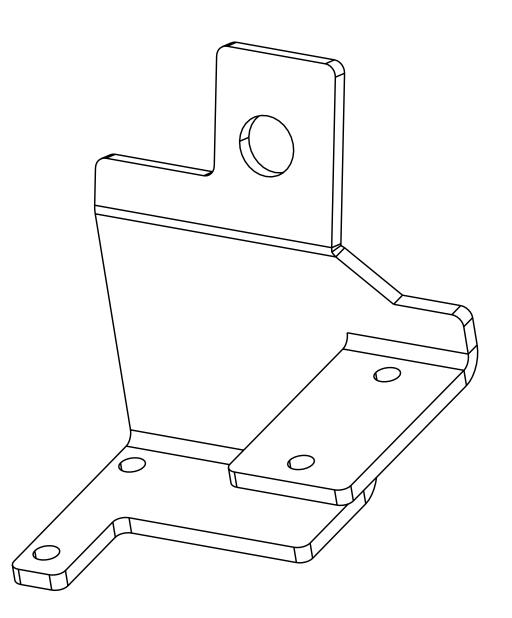
#### Replacement Parts List Mount Kit for 4115 8-14648

<u>ITEM</u>	<b>QTY</b>	PART NO.	<b>DESCRIPTION</b>
1	1	6-42584	Left Front Mount Plate for 4115 -ONLY
2	1	6-42585	Right Front Mount Plate for 4115 -ONLY
3	1	8-14240	Hood Panel for 4100 and 4115

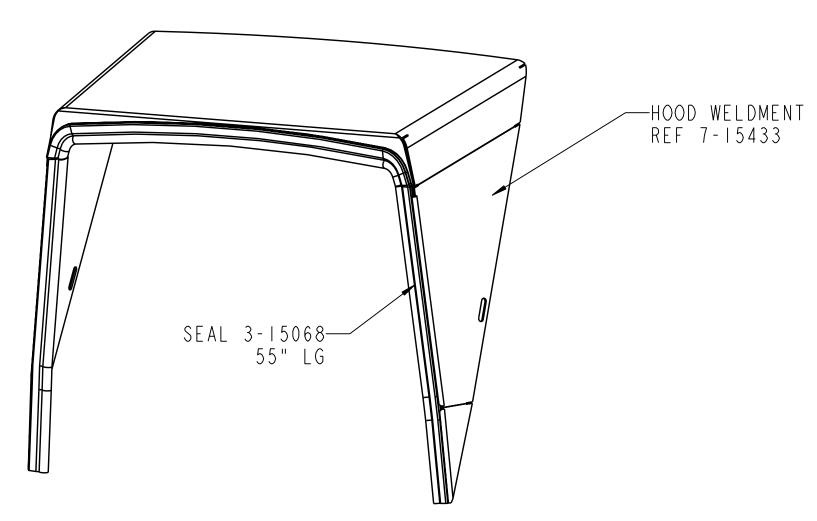
REV.	DCR NO.	DESCRIPTION	DRAFTSMAN	DATE
А		PER 4100 UPDATE	CAD	8-21-02



6-39308 LEFT FRONT MOUNT (I) REQUIRED

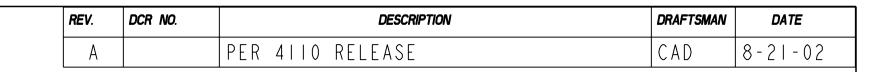


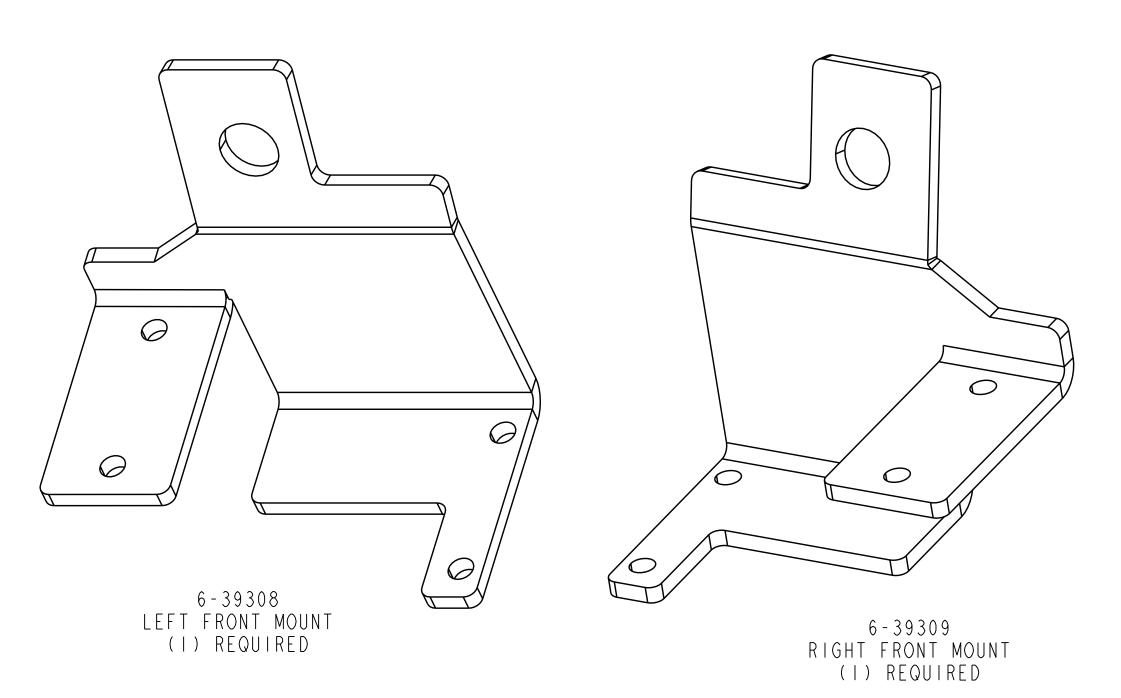
6-39309 RIGHT FRONT MOUNT (I) REQUIRED

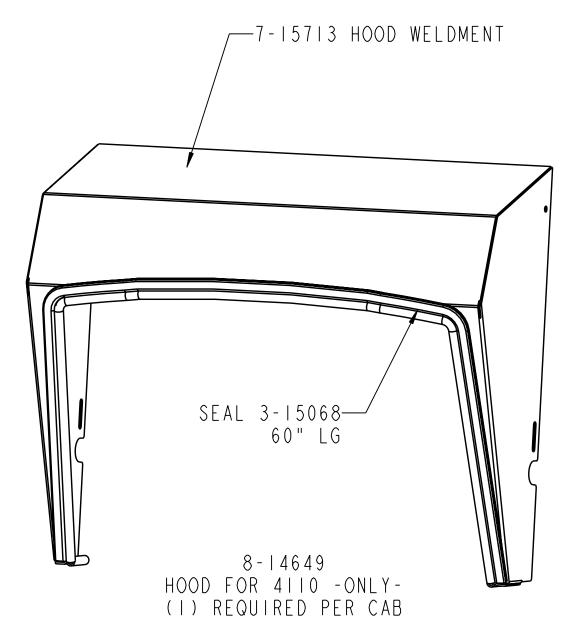


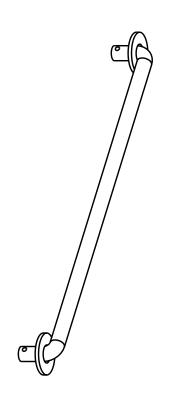
8-14240 HOOD FOR 4100 (AND 4115 MODELS) (I) REQUIRED PER CAB

TOLERANCES UNLESS NOTED	CUSTOMER NAME & MOD NO: JD 4100		MATL SPEC:	
OTHERWISE	CUSTOM PRODUCTS 1715 SOUTH SIBLEY A			
.X ± .09	TTLE:	DRWG SIZE DRWG NO.		REV LEVEL
.XX	MOUNT KIT FOR JD 4100 -ONLY-	С	8 -   424	А
AINGLE ± .5		DRAWN: JKN DA	TE: 3/22/99	







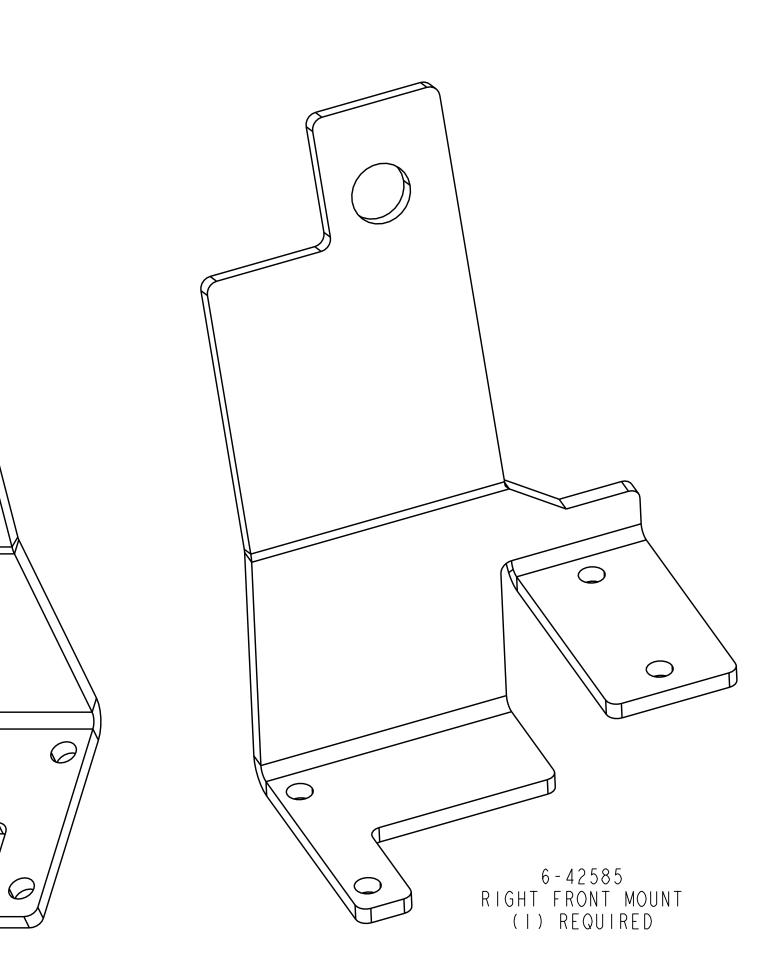


7-15714
4110 HOOD ROD WELDMENT
(1) REQUIRED
MUST BE USED FOR
PROPER HOOD ACCESS

NOTE: FUEL COVER LID NEEDS TO BE MODIFIED BY CUSTOMER FOR PROPER HOOD ACCESSING

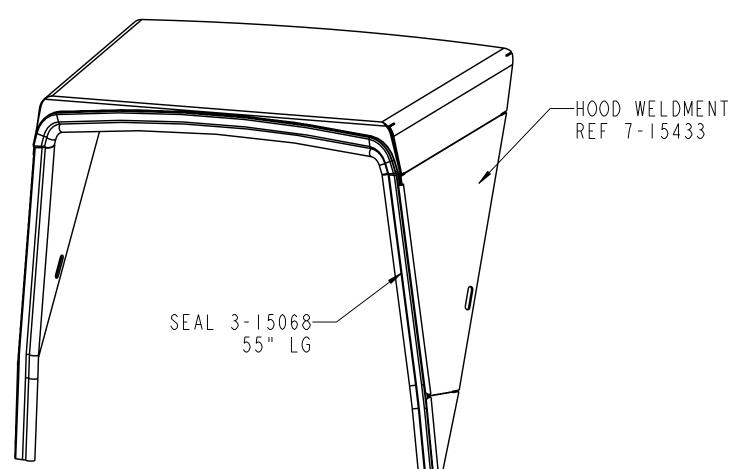
TOLERANCES UNLESS NOTED	CUSTOMER NAME & MOD NO: JD 4110	MATL SPEC:	MATL SPEC:	
OTHERWISE	CUSTOM PRODUCTS 1715 SOUTH SIBLEY 1.			
$X \pm .09$ .XX $\pm .06$	TILE:	DRWG SIZE	DRWG NO.	REV LEVEL
.XX ± .06   .XXX ± .03   HOLE SIZE   ±015/-010   ANGLE ± .5°	MOUNT KIT FOR JD 4110 -ONLY-	С	8-14647	A
AINULE ± .3		DRAWN: J	KN DATE: 3/22/99	

REV.	DCR NO.	DESCRIPTION	DRAFTSMAN	DATE
А		PER 4115 UPDATE	CAD	8-21-02



6-42584 LEFT FRONT MOUNT

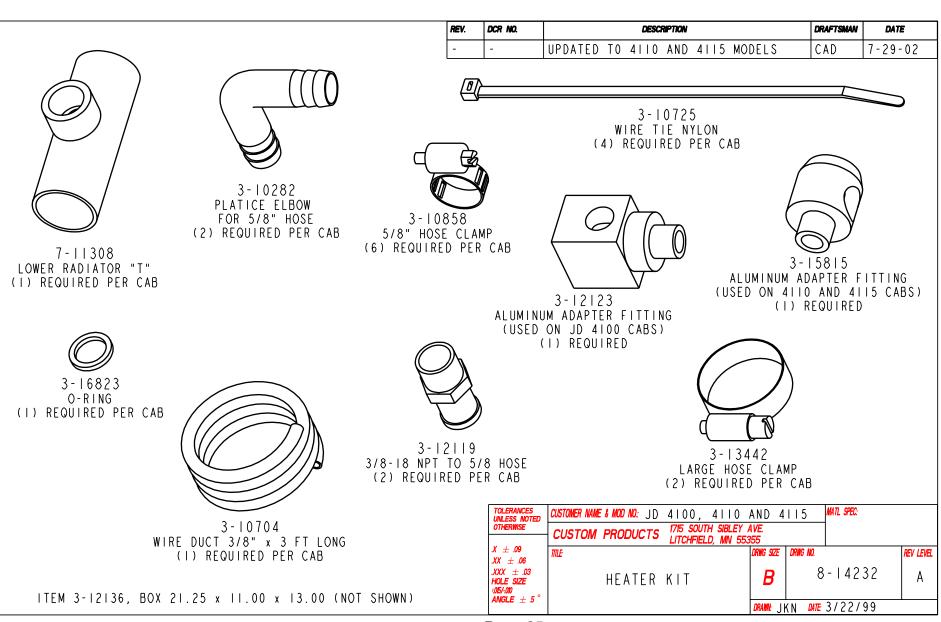
(I) REQUIRED



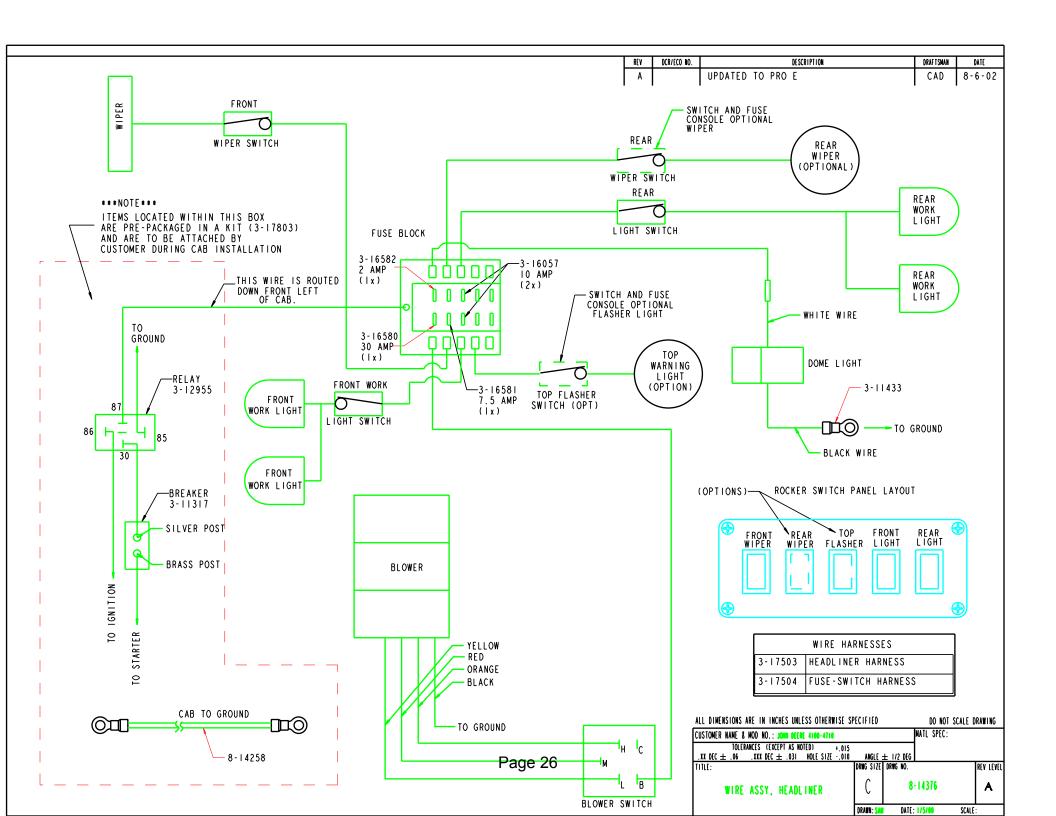
8-14240 HOOD FOR 4115 (AND 4100) MODELS (1) REQUIRED PER CAB

#### **Heater Kit 8-14232**

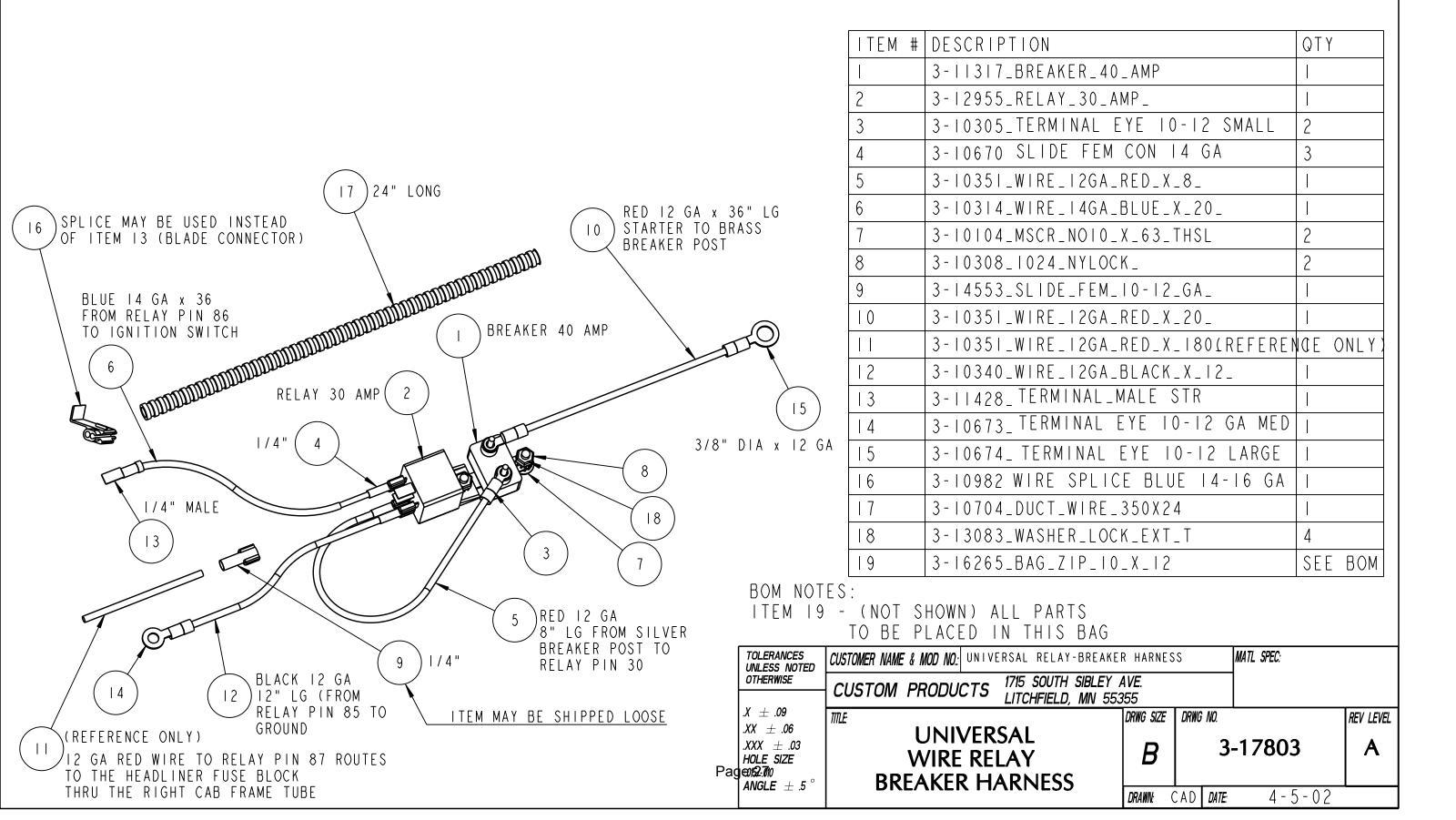
<u>ITEM</u>	<u>QTY</u>	PART NO.	<u>DESCRIPTION</u>
1	1	7-11308	Heater Tee Weldment
2	2	3-10282	90 degrees Plastic Tee
3	4	3-10725	Nylon Wire Ties
4	6	3-10858	# 10 Hose Clamp
5	8 FT	3-11172	Heater Hose
6	1	3-15815	Aluminum Adapter Fitting
7	2	3-13442	# 16 Hose Clamp
8	1	3-16823	O-Ring
9	2	3-12119	3/8-18 NPT TO 5/8 HOSE NIPPLE

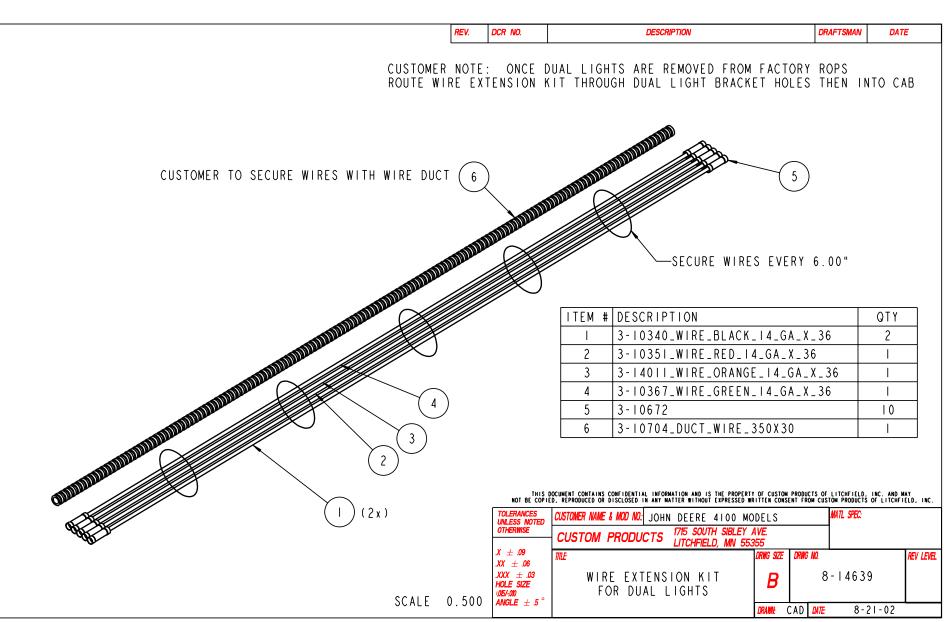


Page 25



REV.	DCR NO.	DESCRIPTION			DRAFTSMAN	DATE	
А		RELEASED	FOR	VENDOR	PROCESSING	CAD	4 - 18 - 02





Page 28