

Keep with Operators Manual

SMC 65, 75 & 85 BACKHOE SUBFRAME KIT JOHN DEERE 4200, 4210, 4300, 4310, 4400 & 4410 TRACTORS

Reference to left and right used in this installation instruction sheet refer to position when seated in the operating position on backhoe.

Complete backhoe mounting requires subframe mounting kit (2-6806) and subframe channel kit (2-6509).

NOTE: Leave all attaching hardware loose until backhoe subframe is completely assembled to facilitate assembly and proper alignment. Torque hardware to torque specifications located in backhoe owner's manual.

IMPORTANT: Remove lynch pins and disconnect supports to disable 3-point hitch arms.

INSTALLING MOUNTING BRACKETS (Figure 3)

1. Install front mounting bracket (1) to underside of transmission casting using 12mm x 35mm cap screws (7) and 1/2 lock washers (8).
2. Remove tractor drawbar. Remove and discard four bolts which secure bottom of tractor drawbar mounting plates to rear of tractor.

NOTE: Tractor drawbar mounting plates need to be assembled between tractor casting and rear mounting bracket (2).

3. Install rear mounting bracket (2) to rear of tractor using 16mm x 50mm cap screws (9) and 5/8 lock washers (10).

INSTALLING SUBFRAME (Figure 3)

1. Install front and rear crosstubes (3 & 4) to channels (18 & 19) using 1/2 x 1-1/4 cap screws (11) and 1/2 lock nuts (12).

NOTE: Install front and rear crosstubes (3 & 4) in rearward most set of holes in subframe channels (18 & 19).

2. Install subframe assembly to backhoe mainframe using 7/8 x 3 cap screws (15), 7/8 lock washers (17) and 7/8 nuts (16) in rear holes and 3/4 x 2 cap screws (13) and 3/4 lock nuts (14) in front holes.
3. On 65 backhoe install support braces (20) in front set of holes on subframe channels (18 & 19). On 75 & 85 backhoes install support braces (20) in rear set of holes on subframe channels (18 & 19) (See figures 1 & 3). Secure with 3/4 x 2-3/4 cap screws (21) and 3/4 lock nuts (22). Secure remaining end of support braces (20) to backhoe mainframe using 3/4 x 2-3/4 cap screws (21) and 3/4 lock nuts (22).

NOTE: Double nut cap screw (21) after torquing the first nut first nut to 350 Ft. Lbs.

MOUNTING BACKHOE TO TRACTOR

1. Back tractor over subframe close enough to connect to backhoe hydraulic system.
2. Using backhoe hydraulic controls, extend stabilizer cylinders and boom cylinder until rear crosstube (4) is level with rear mounting bracket (2) and front of subframe is on ground (Figure 1).
3. Slowly back tractor until rear crosstube (4) is seated in rear mounting bracket (2).
4. Retract boom cylinder and stabilizer cylinders so front of subframe swings up until front crosstube (3) is seated in front mounting bracket (1) (See figure 2).
5. Secure front crosstube (3) in place using clevis pins (5) and lynch pins (6).

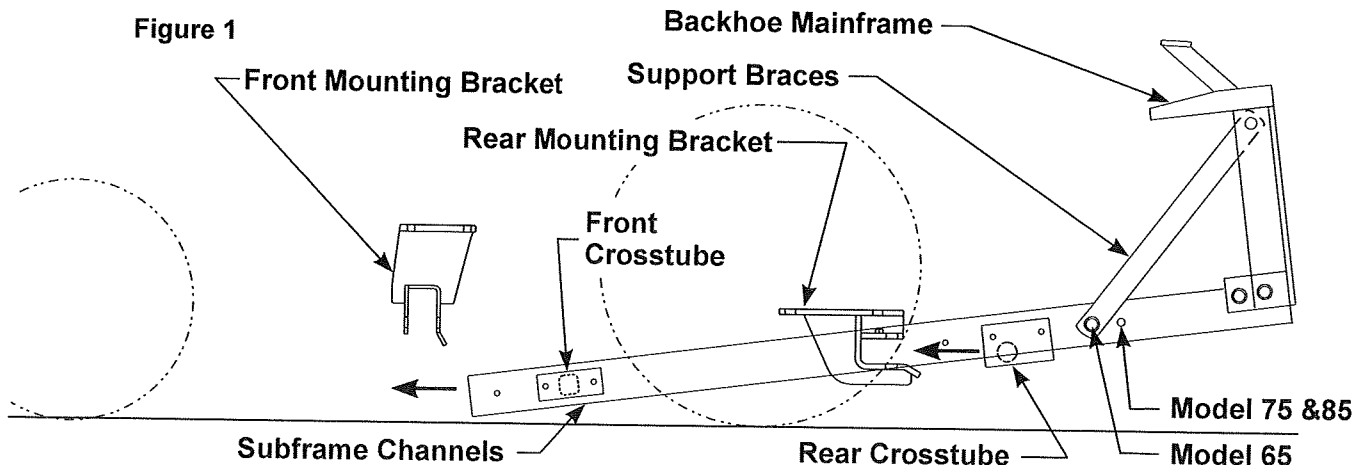
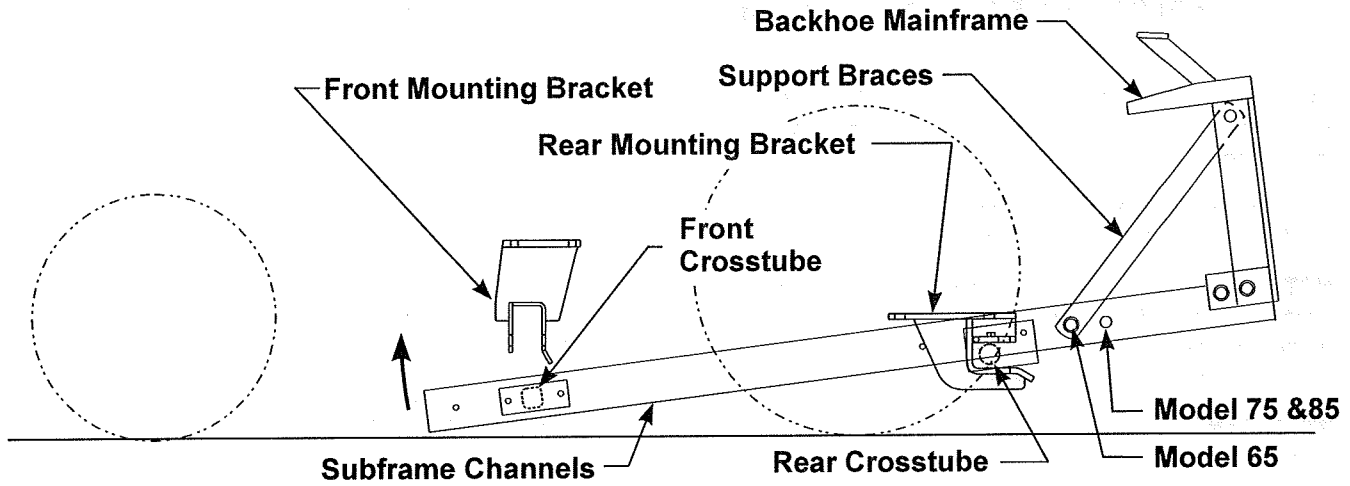


Figure 2
Mounting Subframe
To Tractor



PARTS LIST - SUBFRAME MOUNTING KIT - 2-6806

ITEM	PART NO.	DESCRIPTION	QTY.
1	48818	MOUNTING BRACKET ASSEMBLY, Front	1
2	48816	MOUNTING BRACKET ASSEMBLY, Rear	1
3	46318	FRONT CROSSTUBE ASSEMBLY	1
4	48810	REAR CROSSTUBE ASSEMBLY	1
5	44892	PIN ASSEMBLY	2
6	44756-1	LINCH PIN	2
7	6090-22	SCREW, Cap, 12mm-1.75 x 35mm, Class 8.8	4
8	G120384	WASHER, Lock, 1/2	4
9	49040-1	SCREW, Cap, 16mm-2.0 x 50mm, Class 10.9	4
10	G121574	WASHER, Lock, 5/8	4
11	G180175	SCREW, Cap, 1/2-13 x 1-1/4	8
12	G9414074	NUT, Lock, 1/2-13	8
13	G271771	SCREW, Cap, 3/4-10 x 2	2
14	G9414076	NUT, Lock, 3/4-10	2
15	G271819	SCREW, Cap, 7/8-9 x 3	2
16	G220087	NUT, 7/8-9	2
17	G131047	WASHER, Lock, 7/8	2

PARTS LIST - SUBFRAME CHANNEL KIT - 2-6509 - Order Separately

ITEM	PART NO.	DESCRIPTION	QTY.
18	45700-1	CHANNEL, Left	1
19	45700-2	CHANNEL, Right	1
20	44836	SUPPORT BRACE	2
21	G221135	SCREW, Cap, 3/4-10 x 2-3/4, Grade 8	4
22	47264-8	NUT, Lock, 3/4-10	8

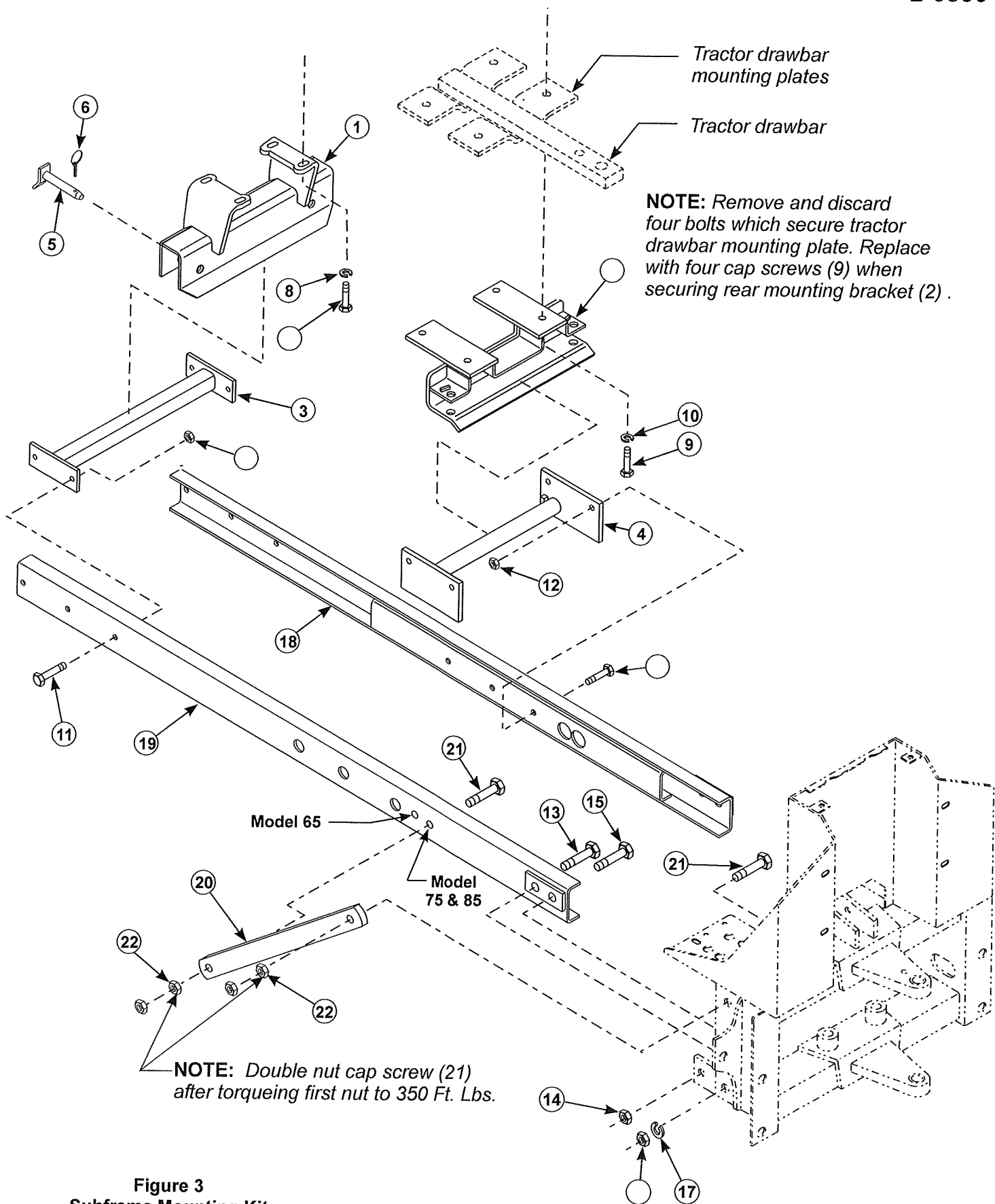


Figure 3
Subframe Mounting Kit