



INSTRUCTION BULLETIN

No. 340002
Machine: 8400
Published: 1-01/02
System: SQUEEGEE

NOTE: DO NOT DISCARD the Parts List from the Instruction Bulletin. Place the Parts List in the appropriate place in your machine manual for future reference. Retaining the Parts List will make it easier to reorder individual parts and will save you the cost of ordering an entire kit.

NOTE: Numbers in parenthesis () are reference numbers for parts listed in Bill of Materials.

Installation Instructions for Kit number **84117**

SYNOPSIS / PROBLEM:

This kit contains the parts needed to install 8410 style side squeegee assemblies on the model 8400 scrubber. Please follow step-by-step instructions.

SPECIAL TOOLS / CONSIDERATIONS: Hand drill, .625 in. diam. drill bit.
(Estimated Time to complete: **3** hours)

PREPARATION:

(Refer to FIG. 1, 2, 3, and 4)

FOR SAFETY: Before leaving or servicing machine, stop on level surface and set parking brake. Then turn off machine and remove key.

1. Remove the two hex screws holding the left hand side squeegee to the pivot bracket. Remove the old style side squeegee assembly from the machine. (Refer to FIG. 1 and 2)
2. Go to the right side of the scrub head and remove the shoulder bolt and nut holding the right hand side squeegee to the pivot bracket. Remove the old style side squeegee assembly from the machine. (Refer to FIG. 1 and 2)
3. Remove the old style squeegee tie rod from both side squeegee pivot brackets. Remove and retain both ball joints and jam nuts. Discard the old tie rod. (Refer to FIG. 1 and 2)
4. Install the ball joints and jam nuts on the new squeegee tie rod (10) in the same orientation as they were on the old rod. (Refer to FIG. 1 and 2)
5. Install the new tie rod/ball joint assembly on both squeegee pivot brackets.
(Refer to FIG. 1 and 2)

NOTE: Scrub head control cable must be routed between the tie rod and the scrub head assembly.

6. Assemble the new **left** hand side squeegee assembly (1) using the parts explosion in FIG. 1. Use the parts list on page **4** for any future parts orders. (Refer to FIG. 1)
7. Assemble the new **right** hand side squeegee assembly (5) using the parts explosion in FIG. 2. Use the parts list on page **6** for any future parts orders. (Refer to FIG. 2)
8. Remove the right hand side guard bracket and drill the two existing holes to .625 diam. Reinstall the side guard bracket and adjust all the way forward and slightly out to clear the right hand side squeegee roller. (Refer to FIG. 3 and 4)

INSTALLATION:

(Refer to FIG. 1 and 2)

1. Install the new left hand side squeegee assembly (1) on the left side squeegee pivot bracket. Use two M8 hex screws (2), two flat washers (3), and two hex nuts (4). Pull the front tip of the LH assembly out and tighten the hardware to 18 – 24 Nm (15 – 20 ft lb).
(Refer to FIG. 1)
2. Install the new right hand side squeegee assembly (5) on the right side squeegee pivot bracket. Use one .38 in. shoulder screw (6), .50 in. flat washer (7), .38 in. flat washer (8), and one .38 in. thin nyloc nut (9). Firmly hand tighten the nut. (Refer to FIG. 2)

NOTE: The right hand side squeegee must be adjusted to point straight ahead or slightly OUT in front. The squeegee roller must be well inside of the right hand guard roller.

3. Operate the machine and check the side squeegees for proper operation.

BILL OF MATERIALS FOR SIDE SQUEEGEE REPLACEMENT KIT **84117**

Ref.	TENNANT Part No.	Description	Qty.
1	84116	LH squeegee assembly	1
2	09011	M8 hex screw, S. S.	2
3	01685	.31 in. flat washer, S. S.	2
4	07786	M8 hex nut, S. S.	2
5	84118	RH squeegee assembly	1
6	33123	.38 in. shoulder screw	1
7	41619	.50 in. flat washer, S. S.	1
8	01686	.38 in. flat washer, S. S.	1
9	36643	.38 in. nyloc nut, thin	1
10	72838	Squeegee tie rod	1

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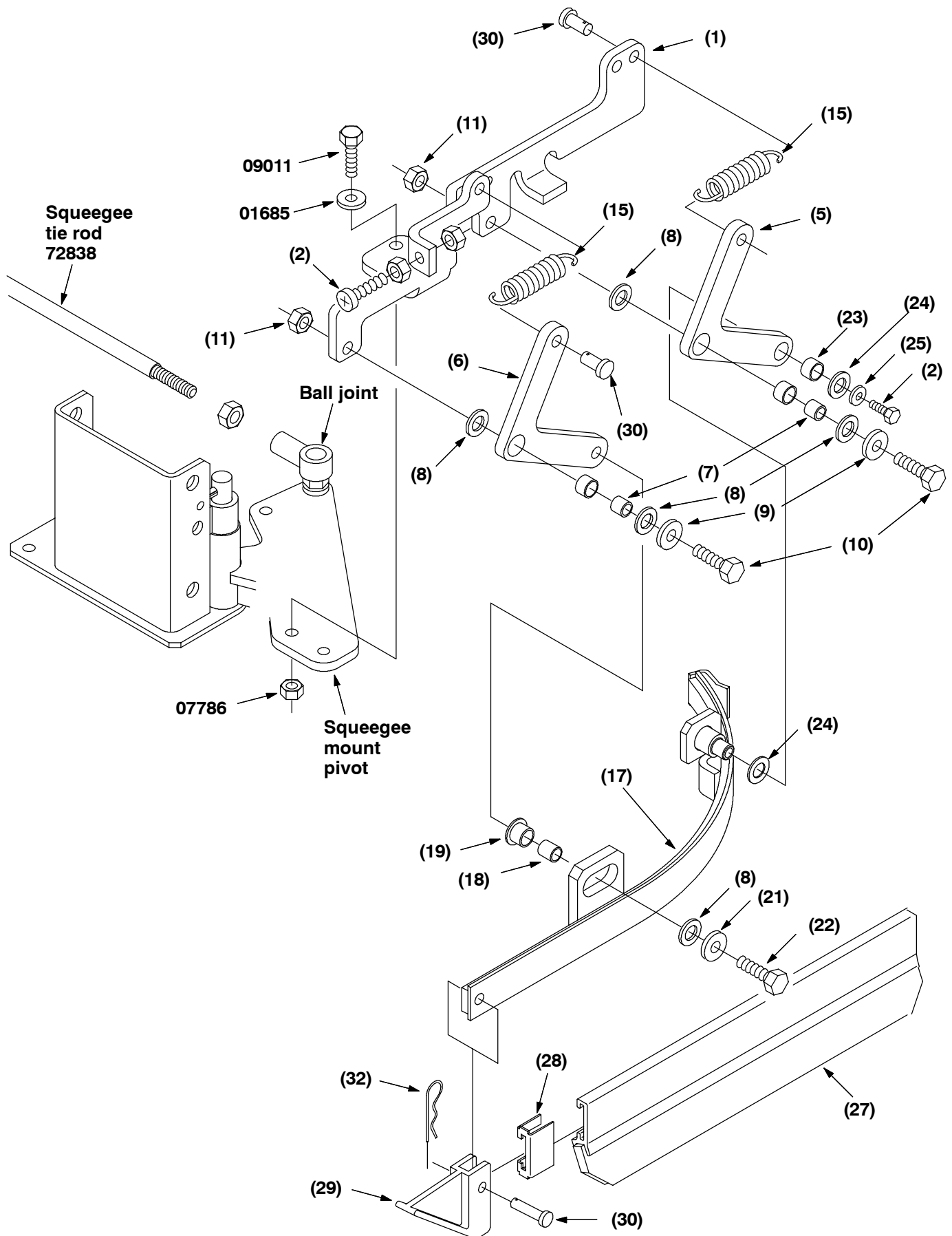


FIG. 1 - LEFT HAND SIDE SQUEEGEE ASSEMBLY 84116

BILL OF MATERIALS FOR LEFT HAND SQUEEGEE ASSEMBLY 84116

Ref.	TENNANT Part No.	Description	Qty.
1	83569	Squeegee lift pivot bracket, LH	1
2	09011	M8 hex screw, S. S.	2
3	01685	.31 in. flat washer, S. S.	2
4	08713	M8 nyloc nut, S. S.	2
5	83564	Rear squeegee lift arm	1
6	83565	Front squeegee lift arm	1
7	71608	Sleeve, .406 x .63D x .52, S. S.	2
8	64425	Washer, .656 x 1.25D x .06	2
9	01686	.38 in. flat washer, S. S.	2
10	77347	M10 hex screw	2
11	08714	M10 nyloc nut, S. S.	2
12	19859	Adhesive, 271 red, 50ml	1
13	09297	M8 pan screw	1
14	07786	M8 hex screw, S. S.	2
15	87816	Extension spring	2
16	39019	Clevis pin, .38 in. x .75 in. L	1
17	84092	Left hand squeegee frame weldment	1
18	25736	Bearing sleeve	1
19	25730	Flange bearing	1
20	64425	Washer, 656. x 1.25D x .06	1
21	01686	.38 in. flat washer, S. S.	2
22	12317	M10 hex screw	1
23	64173	Bearing, .50 in. x .38 in.	1
24	86860	Thrust bearing	2
25	01684	.25 flat washer, S. S.	1
26	09744	M6 hex screw	1
27	72934	RH side squeegee blade assembly	1
28	86759	Retainer, squeegee blade	1
29	86865	Side squeegee guide	1
30	41305	Clevis pin, .31 in.	1
31	01685	.31 in. flat washer, S. S.	1
32	86866	Hair pin	1

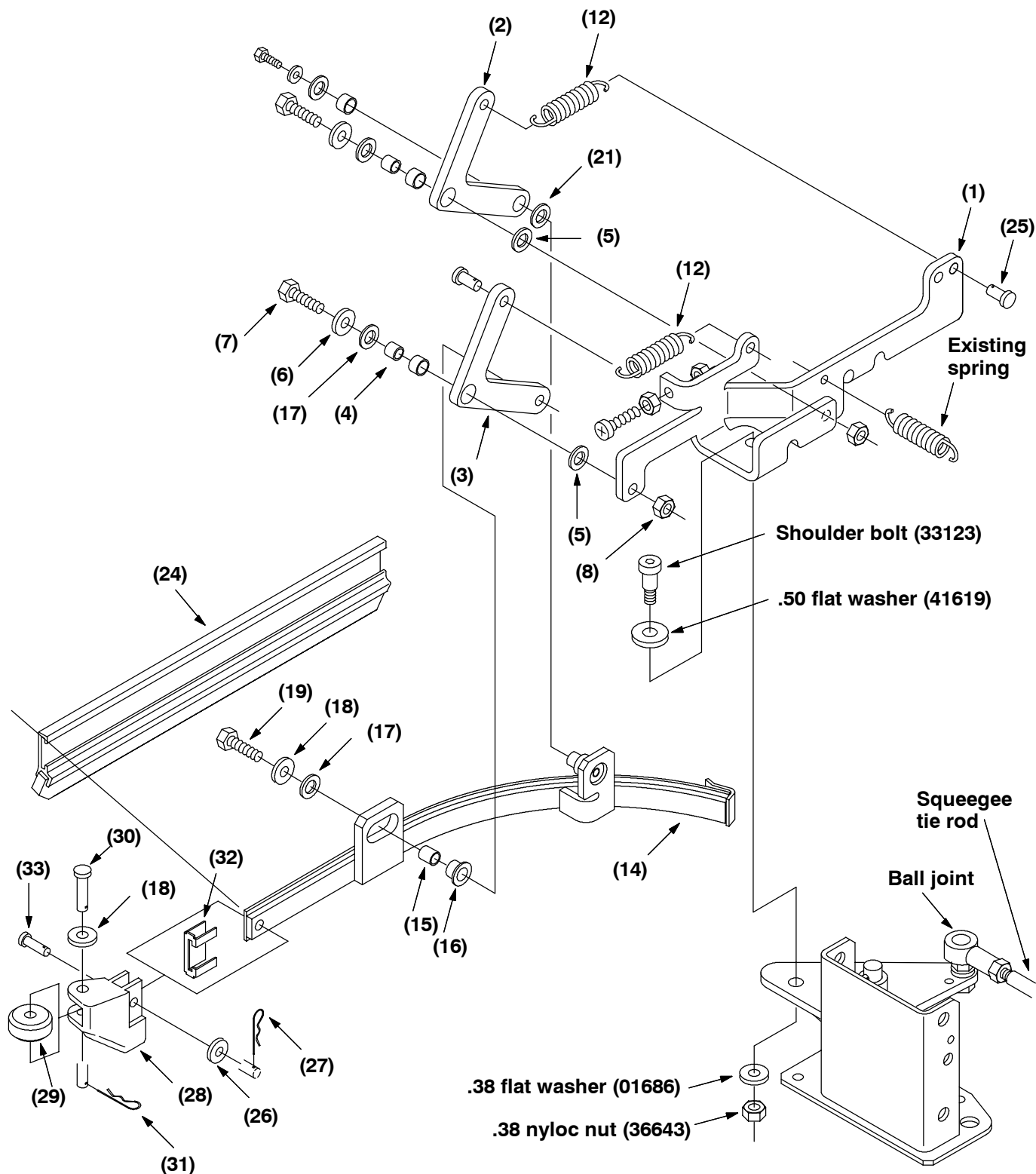


FIG. 2 - RIGHT HAND SIDE SQUEEGEE ASSEMBLY 84118

BILL OF MATERIALS FOR RIGHT HAND SQUEEGEE ASSEMBLY *84118*

Ref.	TENNANT Part No.	Description	Qty.
1	83568	Squeegee lift pivot bracket, RH	1
2	83564	Rear squeegee lift arm	1
3	83565	Front squeegee lift arm	1
4	71608	Sleeve, .406 x .63D x .52, S. S.	2
5	64425	Washer, 656. x 1.25D x .06	4
6	01686	.38 in. flat washer, S. S.	2
7	77347	M10 hex screw	2
8	08714	M10 nyloc nut, S. S.	2
9	19859	Adhesive, 271 red, 50ml	1
10	09297	M8 pan screw	1
11	07786	M8 hex screw, S. S.	2
12	87816	Extension spring	2
13	39019	Clevis pin, .38 in. x .75 in. L	1
14	84093	Right hand squeegee frame weldment	1
15	25736	Bearing sleeve	1
16	25730	Flange bearing	1
17	64425	Washer, 656. x 1.25D x .06	1
18	01686	.38 in. flat washer, S. S.	1
19	12317	M10 hex screw	1
20	64173	Bearing, .50 in. x .38 in.	1
21	86860	Thrust bearing	2
22	01684	.25 flat washer, S. S.	1
23	09744	M6 hex screw	1
24	72934	RH side squeegee blade assembly	1
25	69582	Clevis pin, .31 in.	1
26	01685	.31 in. flat washer, S. S.	1
27	86866	Hair pin	1
28	77333	Side squeegee guide	1
29	77331	Side squeegee roller	1
30	29558	Clevis pin, .38 in. x 1.5 in. L	1
31	08085	Hair pin	1
32	86759	Squeegee retainer	1
33	69582	Clevis pin, .31	1

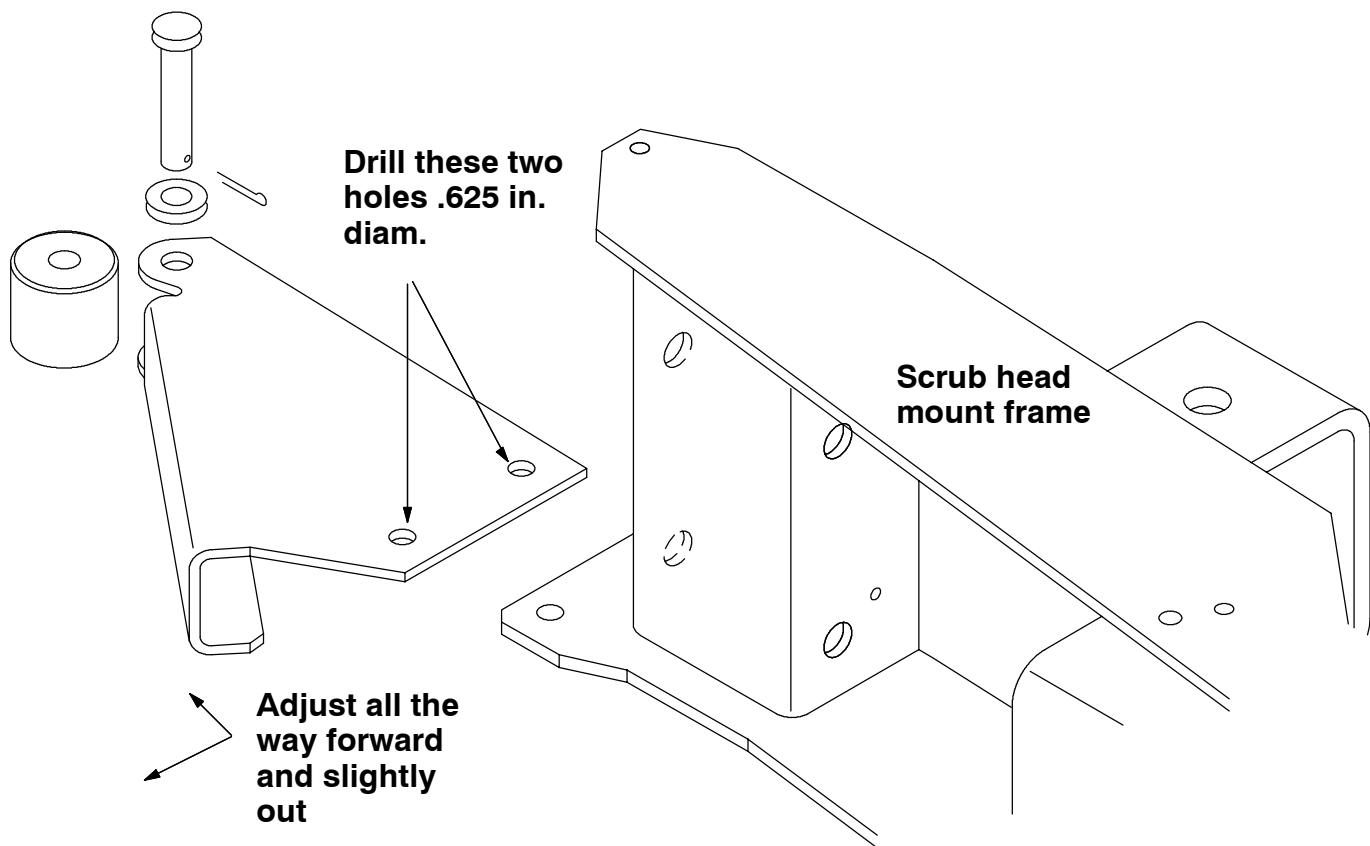


FIG. 3 - **STANDARD** SIDE SQUEEGEE GUARD

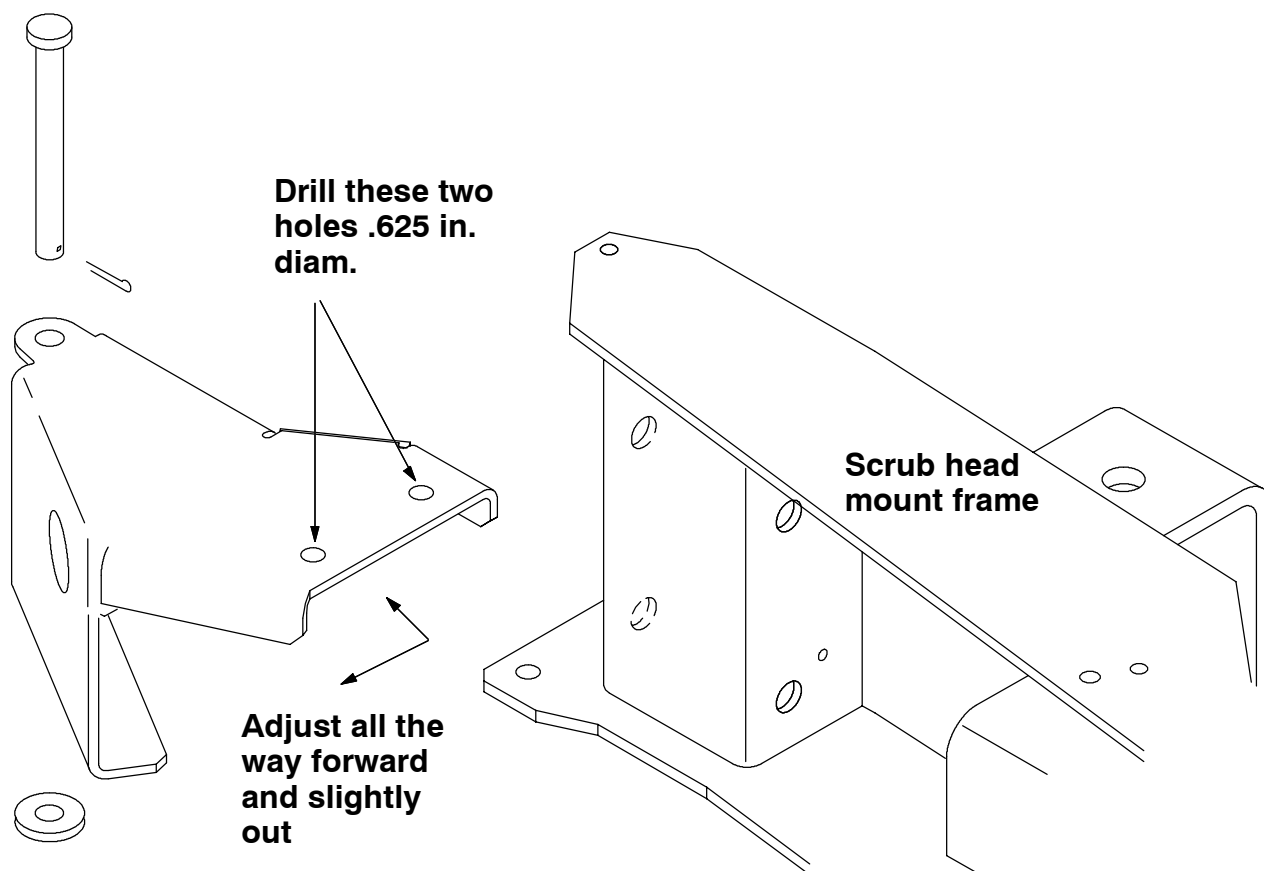


FIG. 4 - **OPTIONAL** SE SIDE SQUEEGEE GUARD