

# Wood-Mizer<sup>®</sup> Sawmill

## Parts Manual

---

1992 LT30  
1992 LT40

rev. C4 - F3  
rev. C5 - F4

---



**Safety is our #1 concern!** Read and understand all safety information and instructions before operating, setting up or maintaining this machine.

*October 1996*

*Form #629*

# Table of Contents

# Section-Page

<b>SECTION 1</b>	<b>GENERAL INFORMATION</b>	<b>1-1</b>
1.1	How To Use The Parts List .....	1-1
1.2	Sample Assembly .....	1-1
<b>SECTION 2</b>	<b>BLADE DRIVE &amp; GUIDES</b>	<b>2-1</b>
2.1	Blade Guide Assembly, Idle Side.....	2-2
2.2	Blade Guide Assembly, Drive Side.....	2-4
2.3	Blade Drive Assembly.....	2-6
2.4	Idle Blade Wheel Assembly .....	2-8
	<i>LT30</i> <i>Rev. D8 - F3</i>	
	<i>LT40</i> <i>Rev. D9 - F4</i>	
2.5	Idle Blade Wheel Assembly .....	2-10
	<i>LT30</i> <i>Rev. C4 - D7</i>	
	<i>LT40</i> <i>Rev. C5 - D8</i>	
2.6	Hydraulic Blade Tensioner Assembly.....	2-12
2.7	Blade Guide Arm Assembly.....	2-14
	<i>LT30</i> <i>Rev. D1 - F3</i>	
	<i>LT40</i> <i>Rev. D2 - F4</i>	
2.8	Blade Guide Arm Assembly.....	2-16
	<i>LT30</i> <i>Rev. C4 - C9</i>	
	<i>LT40</i> <i>Rev. C5 - D1</i>	
2.9	Brake Strap Assembly .....	2-18
	<i>LT30</i> <i>Retrofit</i>	
	<i>LT40</i> <i>Retrofit</i>	
2.10	Clutch/Brake Lever Assembly .....	2-20
	<i>LT30</i> <i>Rev. E8 - F3</i>	
	<i>LT40</i> <i>Rev. E9 - F4</i>	
2.11	Clutch/Brake Lever Assembly .....	2-22
	<i>LT30</i> <i>Rev. C4 - E7</i>	
	<i>LT40</i> <i>Rev. C5 - E8</i>	
2.12	Water Lube Assembly .....	2-24
	<i>LT30</i> <i>Retrofit</i>	
	<i>LT40</i> <i>Retrofit</i>	
2.13	Water Lube Assembly .....	2-26
	<i>LT30</i> <i>Rev. C4 - F3</i>	
	<i>LT40</i> <i>Rev. C5 - F4</i>	
2.14	Middle Throat Screw.....	2-28
	<i>LT30</i> <i>Rev. C6 - F3</i>	
	<i>LT40</i> <i>Rev. C7 - F4</i>	
2.15	Middle Throat Cam .....	2-28
	<i>LT30</i> <i>Rev. C4 - C5</i>	
	<i>LT40</i> <i>Rev. C5 - C6</i>	

## Table of Contents

## Section-Page

<b>SECTION 3</b>	<b>DECALS &amp; SAW HEAD COVERS</b>	<b>3-1</b>
3.1	Safety Decals .....	3-1
3.2	Saw Head Covers .....	3-2
<b>SECTION 4</b>	<b>CONTROL &amp; BATTERY BOXES</b>	<b>4-1</b>
4.1	Control Assembly, (U.S.) .....	4-1
4.2	Control Assembly, (G.S.) .....	4-4
4.3	Battery Box Assembly (G18/G24/E15).....	4-6
	<i>LT30</i> <i>Rev. D9 - F3</i>	
	<i>LT40</i> <i>Rev. E1 - F4</i>	
4.4	Battery Box Assembly (G18/G24/E15).....	4-8
	<i>LT30</i> <i>Rev. C8 - D8</i>	
	<i>LT40</i> <i>Rev. C9 - D9</i>	
4.5	Battery Box Assembly (G18/G24/E15).....	4-10
	<i>LT30</i> <i>Rev. C4 - C7</i>	
	<i>LT40</i> <i>Rev. C5 - C8</i>	
4.6	Battery Box Assembly (D20) .....	4-12
	<i>LT30</i> <i>Rev. D9 - F3</i>	
	<i>LT40</i> <i>Rev. E1 - F4</i>	
4.7	Battery Box Assembly (D20) .....	4-14
	<i>LT30</i> <i>Rev. C8 - D8</i>	
	<i>LT40</i> <i>Rev. C9 - D9</i>	
<b>SECTION 5</b>	<b>UP/DOWN SYSTEM &amp; SCALES</b>	<b>5-1</b>
5.1	Saw Head V-Brace Mount.....	5-2
5.2	Blade Height Scale .....	5-4
	<i>LT30</i> <i>Rev. C8 - F3</i>	
	<i>LT40</i> <i>Rev. C9 - F4</i>	
5.3	Blade Height Scale .....	5-6
	<i>LT30</i> <i>Rev. C4 - C7</i>	
	<i>LT40</i> <i>Rev. C5 - C8</i>	
5.4	Up/Down Assembly .....	5-8
	<i>LT30</i> <i>Rev. D1 - F3</i>	
	<i>LT40</i> <i>Rev. D2 - F4</i>	
5.5	Up/Down Assembly .....	5-10
	<i>LT30</i> <i>Rev. C4 - C9</i>	
	<i>LT40</i> <i>Rev. C5 - D1</i>	
<b>SECTION 6</b>	<b>POWER FEED &amp; TRACK ROLLERS</b>	<b>6-1</b>
6.1	Upper Track Rollers And Wipers.....	6-2
6.2	Power Feed Assembly .....	6-4
6.3	Lower Track Rollers.....	6-6
	<i>LT30</i> <i>Rev. E5 - F3</i>	
	<i>LT40</i> <i>Rev. E6 - F4</i>	
6.4	Lower Track Rollers.....	6-7
	<i>LT30</i> <i>Rev. C4 - E4</i>	
	<i>LT40</i> <i>Rev. C5 - E5</i>	

**Table of Contents**

**Section-Page**

<b>SECTION 7</b>	<b>BED FRAME ASSEMBLY</b>	<b>7-1</b>
7.1	Bed Rail Assembly, Front And Rear .....	7-2
7.2	Bed Rail Assembly, Middle .....	7-4
7.3	Pivot Bed Rail Assembly.....	7-6
7.4	Log Side Support Assembly .....	7-7
7.5	Leg, Stationary .....	7-8
7.6	Tie Down Chain Assembly .....	7-9
<b>SECTION 8</b>	<b>LOG CLAMP</b>	<b>8-1</b>
8.1	Log Clamp .....	8-1

## SECTION 1 GENERAL INFORMATION

### 1.1 How To Use The Parts List

- Use the table of contents or index to locate the assembly that contains the part you need.
- Go to the appropriate section and locate the part in the illustration.
- Use the number pointing to the part to locate the correct part number and description in the table.
- Parts shown indented under another part are included with that part.
- Parts marked with a diamond (◆) are only available in the assembly listed above the part.

See the sample table below. Sample Part #A01111 includes part F02222-2 and subassembly A03333. Subassembly A03333 includes part S04444-4 and subassembly K05555. The diamond (◆) indicates that S04444-4 is not available except in subassembly A03333. Subassembly K05555 includes parts M06666 and F07777-77. The diamond (◆) indicates M06666 is not available except in subassembly K05555.

1.2 Sample Assembly				
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>SAMPLE ASSEMBLY, COMPLETE (INCLUDES ALL INDENTED PARTS BELOW)</b>	A01111	1	
1	Sample Part	F02222-22	1	
	Sample Subassembly (Includes All Indented Parts Below)	A03333	1	
2	Sample Part (◆ Indicates Part Is Only Available With A03333)	S04444-4	1	◆
	Sample Subassembly (Includes All Indented Parts Below)	K05555	1	
3	Sample Part (◆ Indicates Part Is Only Available With K05555)	M06666	2	◆
4	Sample Part	F07777-77	1	

#### To Order Parts:

- From the continental U.S., call **1-800-525-8100** to order parts. Have your customer number, vehicle identification number, and part numbers ready when you call.
- From other international locations, contact the Wood-Mizer distributor in your area for parts.

---

## SECTION 2 BLADE DRIVE & GUIDES

## 2.1 Blade Guide Assembly, Idle Side

REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>BLADE GUIDE ASSEMBLY, COMPLETE IDLE SIDE</b>	A08197 <sup>1</sup>	1	
1	Nut, 1/2-20 Jam Nylon Lock	F05010-79	1	
	Roller Assembly, Blade Guide (standard)	A04925	1	
	Bearing Kit, Blade Guide Rebuild	K07079	1	
2	Washer, 5/8" White Felt	P04252	1	
3	Ring, 1 1/8" Interior Retaining	F04254-1	1	
4	Bearing, R8-2RS Blade Guide	015975	2	◆
5	Washer, 5/8" Gray Felt	P06455	1	
	Screw, 1/4-28 x 1/4" Socket Head Cup Point Set Black Oxide	F05005-105	1	
	Instruction Sheet, Blade Guide Rebuild	057407-1507	1	
6	Roller, Flanged Blade Guide	S04250	1	◆
	Instruction Sheet, Blade Guide Roller Replacement	A04925-364	1	
7	Spacer, Blade Guide	S04253	2	
8	Bolt, Blade Guide Roller	036373	1	
9	Bracket, Blade Guide Idle Side With Water Tube	W08495 <sup>2</sup>	1	
10	Screw, 3/8-24 X 1 1/4" Stainless Steel Socket Head Flat Point	F05007-96 <sup>3</sup>	2	
11	Nut, 3/8-24 Jam	F05010-22	2	
12	Shaft, Blade Guide Adjustment	S08196	1	
13	<b>SCREW, 3/8-24 X 3/4" STAINLESS STEEL SOCKET HEAD FLAT POINT</b>	F05007-95 <sup>4</sup>	4	
14	<b>NUT, 3/8-24 JAM</b>	F05010-22	4	
15	<b>TUBE, BLADE GUIDE MOUNT</b> ( <a href="#">See Section 2.7 Blade Guide Arm Assembly</a> )	W08159	1	
	<b>ROLLER ASSEMBLY, BLADE GUIDE RELUBE (OPTIONAL)</b>	016568	1	
	Bearing Kit, Relube Blade Guide Rebuild	057407	1	
16	Washer, 5/8" White Felt	P04252	1	
17	Ring, 1 1/8" Interior Retaining	F04254-1	1	
18	Bearing, R8-2RS Blade Guide	015975 <sup>5</sup>	2	◆
19	Washer, 5/8" Gray Felt	P06455	1	
20	Spacer, Blade Guide Bearing	035411	1	
	Instruction Sheet, Blade Guide Rebuild	057407-1507	1	
21	Roller, Flanged Blade Guide Relube	035426	1	◆
	Instruction Sheet, Blade Guide Roller Replacement	A04925-364	1	
22	<b>BOLT, BLADE GUIDE ROLLER (RELUBE ONLY)</b>	S08192	1	
23	<b>FITTING, 1/4-28 GREASE (RELUBE ONLY)</b>	P05060	1	

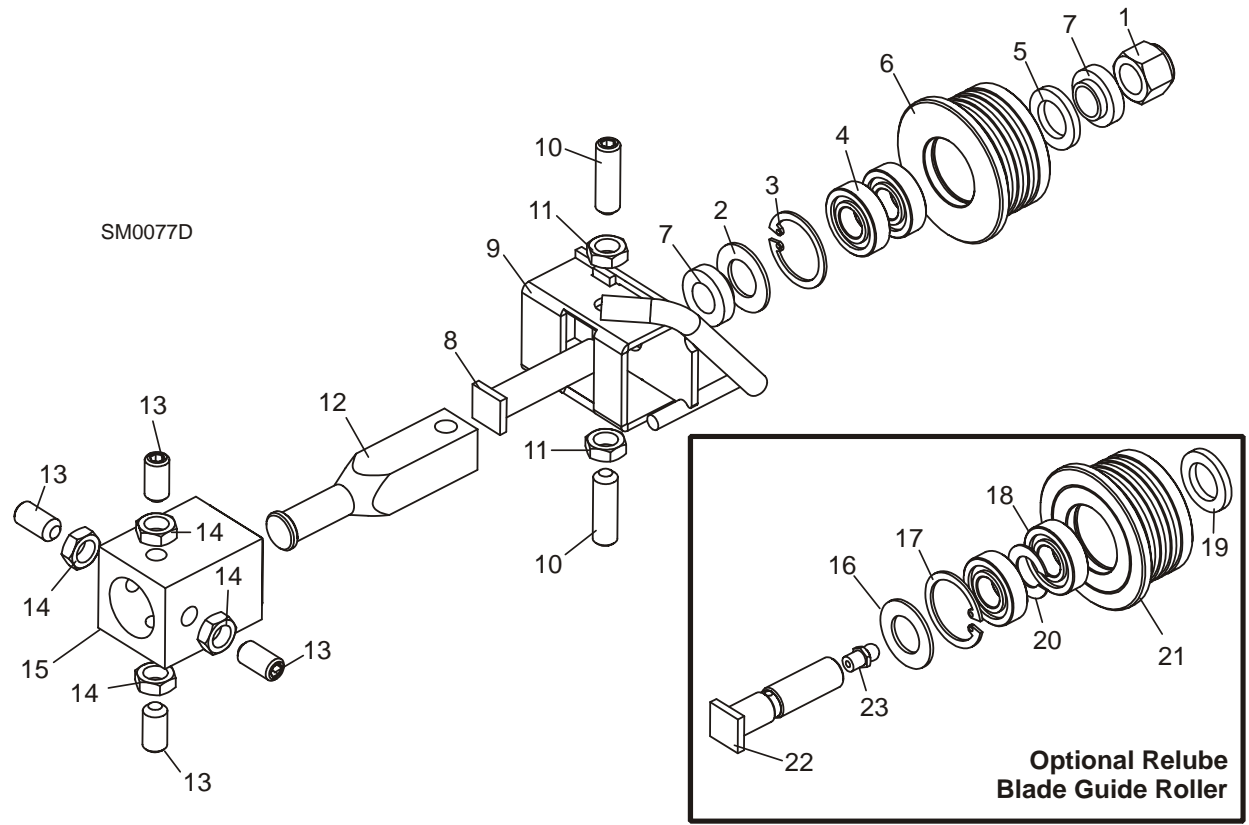
<sup>1</sup> Complete blade guide assembly A08197 includes roller with non-greaseable bearings A04925. See optional parts for Relube guide assemblies.

<sup>2</sup> Bracket flange replaced with rod on Rev. C6 (LT30) & C7 (LT40) (11/91). New bracket is interchangeable with brackets on Rev. C4 - C5 (LT30) & C5 - C6 (LT40).

<sup>3</sup> Stainless screw replaces F05007-51 used on Rev. C4 - E1 (LT30) & C5 - E2 (LT40) (8/93).

<sup>4</sup> Stainless screw replaces F05007-20 used on Rev. C4 - E1 (LT30) & C5 - E2 (LT40) (8/93).

<sup>5</sup> Bearing must be modified for use with relube roller assemblies. Remove one seal from each bearing, place open sides facing each other and place spacer 035411 between bearings.



**FIG. 2-1**



# 2

## Blade Drive & Guides

### Blade Guide Assembly, Drive Side

<b>2.2 Blade Guide Assembly, Drive Side</b>				
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>BLADE GUIDE ASSEMBLY, COMPLETE DRIVE SIDE</b>	A08191 <sup>1</sup>	1	
1	Nut, 1/2-20 Jam Nylon Lock	F05010-79	1	
	Roller Assembly, Blade Guide (standard)	A04925	1	
	Bearing Kit, Blade Guide Rebuild	K07079	1	
2	Washer, 5/8" White Felt	P04252	1	
3	Ring, 1 1/8" Interior Retaining	F04254-1	1	
4	Bearing, R8-2RS Blade Guide	015975	2	◆
5	Washer, 5/8" Gray Felt	P06455	1	
	Screw, 1/4-28 x 1/4" Socket Head Cup Point Set Black Oxide	F05005-105	1	
	Instruction Sheet, Blade Guide Rebuild	057407-1507	1	
6	Roller, Flanged Blade Guide	S04250	1	◆
	Instruction Sheet, Blade Guide Roller Replacement	A04925-364	1	
7	Spacer, Blade Guide	S04253	2	
8	Bolt, Blade Guide Roller	036373	1	
9	Bracket, Blade Guide Drive Side	W08482 <sup>2</sup>	1	
10	Screw, 3/8-24 X 1 1/4" Stainless Steel Socket Head Flat Point	F05007-96 <sup>3</sup>	2	
11	Nut, 3/8-24 Jam	F05010-22	2	
12	Shaft, Blade Guide Adjustment	S08196	1	
13	<b>SCREW, 3/8-24 X 3/4" STAINLESS STEEL SOCKET HEAD FLAT POINT SET</b>	F05007-95 <sup>4</sup>	3	
14	<b>BOLT, 3/8-24 X 1" STAINLESS STEEL HEX HEAD</b>	F05007-99 <sup>5</sup>	1	
15	<b>NUT, 3/8-24 JAM</b>	F05010-22	4	
16	<b>TUBE, BLADE GUIDE MOUNT</b> (Part of Saw Frame Weldment)	W08159 <sup>6</sup>	1	
	<b>ROLLER ASSEMBLY, BLADE GUIDE RELUBE (OPTIONAL)</b>	016568	1	
	Bearing Kit, Relube Blade Guide Rebuild	057407	1	
17	Washer, 5/8" White Felt	P04252	1	
18	Ring, 1 1/8" Interior Retaining	F04254-1	1	
19	Bearing, R8-2RS Blade Guide	015975 <sup>7</sup>	2	◆
20	Washer, 5/8" Gray Felt	P06455	1	
21	Spacer, Blade Guide Bearing	035411	1	
	Instruction Sheet, Blade Guide Rebuild	057407-1507	1	
22	Roller, Flanged Blade Guide Relube	035426	1	◆
	Instruction Sheet, Blade Guide Roller Replacement	A04925-364	1	
23	<b>BOLT, BLADE GUIDE ROLLER (RELUBE ONLY)</b>	S08192	1	
24	<b>FITTING, 1/4-28 GREASE (RELUBE ONLY)</b>	P05060	1	

<sup>1</sup> Complete blade guide assembly A08191 includes roller with non-greaseable bearings A04925. See optional parts for Relube guide assemblies.

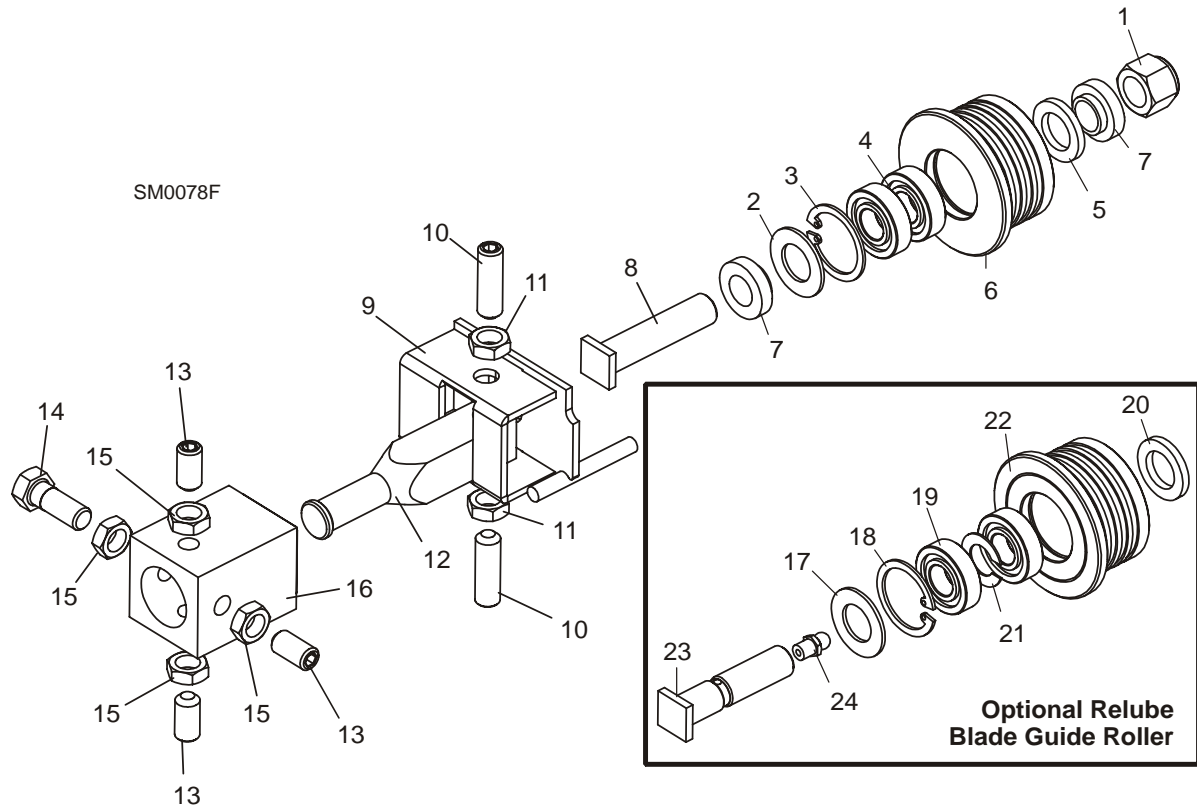
<sup>2</sup> Bracket flange replaced with rod on Rev. C6 (LT30) & C7 (LT40) (11/91). New bracket is interchangeable with brackets on Rev. C4 - C5 (LT30) & C5 - C6 (LT40).

<sup>3</sup> Stainless screw replaces F05007-51 used on Rev. C4 - E1 (LT30) & C5 - E2 (LT40) (8/93).

<sup>4</sup> Stainless screw replaces F05007-20 used on Rev. C4 - E1 (LT30) & C5 - E2 (LT40) (8/93).

<sup>5</sup> Stainless bolt replaces F05007-95 (12/94).

- <sup>6</sup> Bolt-On blade guide kit available (016566). Requires cutting old block off, welding new receiver to saw head that will accept bolt-on mount. Kit includes all hardware and instructions.
- <sup>7</sup> Bearing must be modified for use with relube roller assemblies. Remove one seal from each bearing, place open sides facing each other and place spacer 035411 between bearings.



**FIG. 2-2**

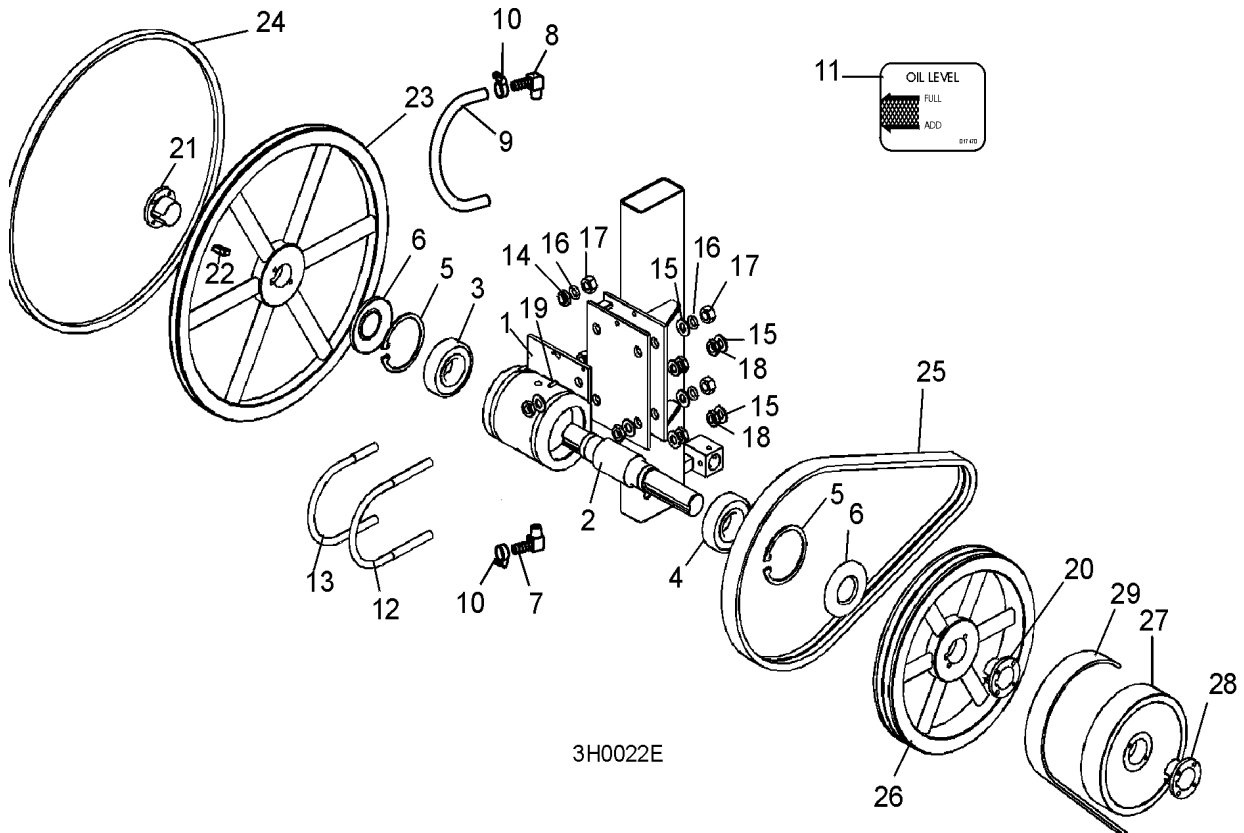
## 2 Blade Drive & Guides

### Blade Drive Assembly

<b>2.3 Blade Drive Assembly</b>				
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>BEARING ASSEMBLY, BLADE WHEEL DRIVE</b>	K10200 <sup>1</sup>	1	
	Bearing Assembly, Drive Painted	A10199	1	◆
1	Housing, Blade Wheel Drive Bearing	W10201	1	◆
2	Shaft, Blade Wheel Drive	S10204	1	◆
3	Bearing, Blade Wheel Drive #MU1308TV	P10205	1	◆
4	Bearing, Blade Wheel Drive #6308 C3 Open	016055 <sup>2</sup>	1	◆
5	Ring, 90mm Interior Retaining #117	F04254-17	2	
6	Seal, Drive Bearing #CR15890	P10206-K	2	
7	Fitting, 1/4" NPT x 3/8" Hose Barb Elbow	016330 <sup>3</sup>	1	
8	Fitting, 1/4" NPT x 3/8" Hose Barb Vented Elbow	016331	1	
9	Hose, Oil Level Viewer	016337	1	
10	Clamp, 7/32-5/8" Hose	P649	2	
11	Decal, Oil Level Gauge	017470	1	
12	Bolt, 1/2-13 Long U	S10207-1	1	
13	Bolt, 1/2-13 Short U	S10207-2	1	
14	Spacer, 1/2" I.D. Flanged	S04253	2	
15	Washer, 1/2" SAE Flat	F05011-2	8	
16	Washer, 1/2" Split Lock	F05011-9	4	
17	Nut, 1/2-13 Hex	F05010-35	4	
18	Nut, 1/2-13 Hex Jam	F05010-31	6	
19	Pin, 3/16" X 5/8" Roll	F05012-22	2	
20	Bushing, 1 7/16" Type 'H' Thick Flange	P12962 <sup>4</sup>	3	
	Instruction Sheet, Bearing Replacement	K10200-275	1	
	<b>WHEEL KIT, DRIVE SIDE BLADE</b>	K12897 <sup>5</sup>	1	
21	Bushing, 1 7/16" SD	016098 <sup>5</sup>	1	
22	Key, .375" x .375"	S12892 <sup>6</sup>	1	
	Key, .375" x .360"	S12893 <sup>6</sup>	1	
23	Wheel, Drive Side Blade	016284	1	◆
	Drive Side Blade Wheel Replacement Kit Instruction Sheet	K12897-488	1	
24	<b>BELT, BLADE WHEEL B57</b>	P04185	1	
25	<b>BELT, 2BX74 DRIVE (24HP ONAN GAS ENGINE)</b>	P10277-2 <sup>7</sup>	1	
	<b>BELT, 2BX72 DRIVE (18HP BRIGGS GAS ENGINE)</b>	P09555-2 <sup>8</sup>	1	
	<b>BELT, 2BXF71 DRIVE (18HP ONAN GAS ENGINE)</b>	036163 <sup>9</sup>	1	
	<b>BELT, 2BX70 DRIVE (15HP BALDOR ELECTRIC MOTOR)</b>	P04857-2 <sup>10</sup>	1	
	<b>BELT, 2BX68 DRIVE (20HP ACME DIESEL)</b>	P12139-2 <sup>11</sup>	1	
26	<b>PULLEY, 2BK130H DRIVE</b>	P04854	1	
	<b>WHEEL ASSEMBLY, BRAKE</b>	A09953	1	
27	Wheel, Brake	014000 <sup>12</sup>	1	◆

28	Bushing, 1 7/16" P-1 Split Taper	014460 <sup>13</sup>	1	
29	<b>STRAP, METAL-BACKED BRAKE</b>	014391 <sup>14</sup>	1	
	<b>STRAP, COTTON BRAKE</b>	M07484 <sup>15</sup>	1	

- <sup>1</sup> Shipped without oil after 4/95. Customer should source a multipurpose Automatic Transmission Fluid to add to bearing after installation.
- <sup>2</sup> Replaces P10205 Blade Wheel Drive Bearing #MU1308TV 6/98.
- <sup>3</sup> Oil level viewer added 6/99. New fitting replaces P05498 1/4" NPT Pipe Plug and P12868 1/4" NPT Vented Pipe Plug supplied prior to 6/99 (and P11757 1/4" NPT Square Head Pipe Plug supplied prior to 12/98).
- <sup>4</sup> Replaces P05152 1 7/16" type 'H' standard bushing originally supplied.
- <sup>5</sup> Replaces S09948 drive blade wheel supplied prior to LT30 Rev. E9 and LT40 Rev. F1. Use P12962 'H' Bushing for original pulley. Use 016098 'SD' Bushing if wheel upgraded with K12897 wheel kit.
- <sup>6</sup> Only one key required; key size will depend on keyway size in shaft.
- <sup>7</sup> One Double-Belt replaces two P10277 single belts on Rev. C4 - D8 (LT30) & C5 - D9 (LT40).
- <sup>8</sup> One Double-Belt replaces two P09555 single belts on Rev. C4 - D8 (LT30) & C5 - D9 (LT40).
- <sup>9</sup> 036163 Kevlar 2BXF71 belt replaces P12949 2BX71 belt supplied prior to 9/03. Kevlar belt reduces stretch and provides greater range of adjustment.
- <sup>10</sup> One Double-Belt replaces two P04857 single belts on Rev. C4 - D8 (LT30) & C5 - D9 (LT40).
- <sup>11</sup> One Double-Belt replaces two P12139 single belts on Rev. C4 - D8 (LT30) & C5 - D9 (LT40).
- <sup>12</sup> Replaces 014339 and W09953 Brake Wheels (4/96). NOTE: Change from W09953 to 014339 was a part number change only.
- <sup>13</sup> Use P12962 'H' Bushing for original brake pulley. Use 014460 'P1' Bushing if wheel upgraded with 014000 brake wheel.
- <sup>14</sup> If you are replacing a leather, cotton, or P12791 metal brake strap, purchase the entire upper pivot brake strap retrofit kit 014443 (Replaces retrofit kit K12820). [See Section 2.9.](#)
- <sup>15</sup> Replaces leather brake strap originally supplied on LT30 Rev. C4 - E7 & LT40 Rev. C5 - E8. Customers may retrofit to metal-backed brake strap (014443). [See Section 2.9.](#) If strap has already been retrofitted, use 014391 to replace brake strap.



**FIG. 2-3**

## 2 Blade Drive & Guides

### Idle Blade Wheel Assembly

<b>2.4 Idle Blade Wheel Assembly</b>				
<b>LT30</b>		<b>Rev. D8 - F3</b>		
<b>LT40</b>		<b>Rev. D9 - F4</b>		
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>WHEEL ASSEMBLY, IDLE SIDE BLADE</b>	A08218 <sup>1</sup>	1	
1	Wheel, Idle Side Blade	P08125	1	◆
2	Bearing, Idle Side Blade Wheel #6305-AA, C3, ABEC-1, SRI-2 Grease	P08066 <sup>2</sup>	2	
3	Ring, 2 7/16" Internal Retaining	F04254-21	1	
4	<b>WASHER, IDLE BLADE WHEEL RETAINER</b>	S08220	1	
5	<b>BOLT, 5/16-18 X 3/4" HEX HEAD</b>	F05006-5	1	
6	<b>BELT, BLADE WHEEL B57</b>	P04185	1	
7	<b>SHAFT, IDLE BLADE WHEEL</b>	S12565	1	
8	<b>HOUSING, IDLE BLADE WHEEL SHAFT</b>	W10157	1	
9	<b>SCREW, 3/8-16 X 1 1/4" SOCKET HEAD OVAL POINT</b>	F05007-18	2	
10	<b>NUT, 3/8-16 HEX JAM</b>	F05010-29	2	
	<b>HANDLE ASSEMBLY, IDLE SIDE PULLEY TILT</b>	A09357	1	
11	Handle, Tilt Adjustment Screw	S08174	1	◆
12	Driver, Tilt Adjustment Screw	S09405	1	◆
13	Rod, Threaded Tilt Adjustment Screw	S09358	1	◆
14	Pin, 3/16" x 7/8" Roll	F05012-19	2	
15	<b>SLEEVE, PLASTIC HANDLE</b>	P08072	1	
16	<b>SPACER, 1/2" I.D. FLANGED</b>	S04253	2	
17	<b>NUT, 1/2-20 HEX JAM</b>	F05010-16	2	
18	<b>WASHER, 1/2" SPLIT LOCK</b>	F05011-9	1	
19	<b>WHEEL KIT, IDLE SIDE BLADE UPGRADE</b>	016189 <sup>1</sup>		
	Wheel Assembly, Idle Side Blade	016120	1	
20	Wheel, Idle Side Blade	016013	1	◆
21	Bearing, Idle Side Blade Wheel #5309-2RS, C3, SRI-2 Grease	016014	1	
22	Ring, 100mm Internal Retaining Beveled	F04254-28	1	
23	Washer, 2 3/16 x 1/4"	016095	1	
24	Bolt, 5/16-18 X 3/4" Flat Head Socket	F05006-95	1	
25	Shaft, Idle Side Blade Wheel Retrofit	016180	1	

<sup>1</sup> Upgrade kit 016189 including blade wheel with larger diameter bearing and retrofit shaft 016180 available. [See Item #19](#) for upgrade parts.

<sup>2</sup> C3 Clearance bearing replaces C0 clearance supplied until 3/96.

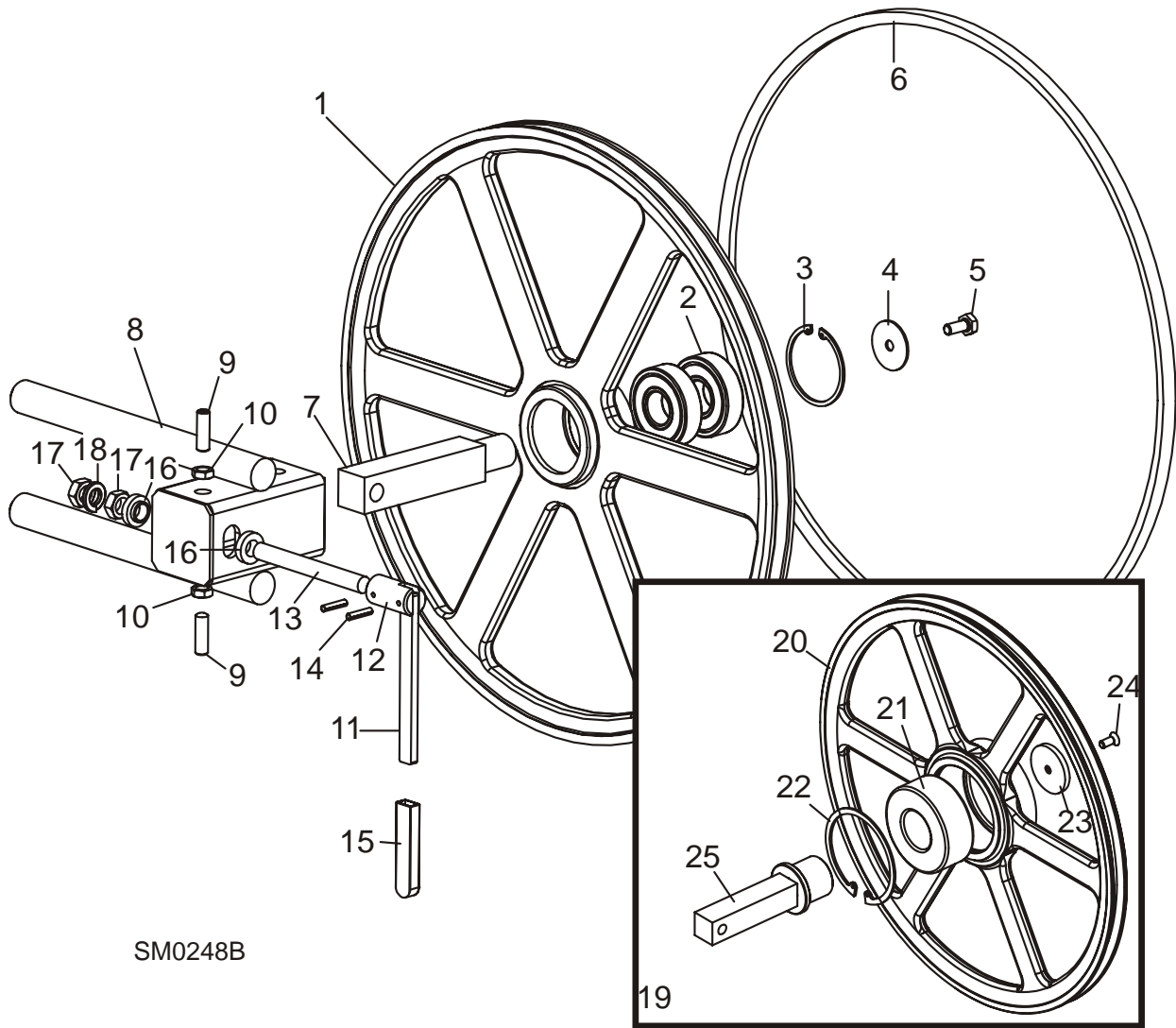


FIG. 2-4

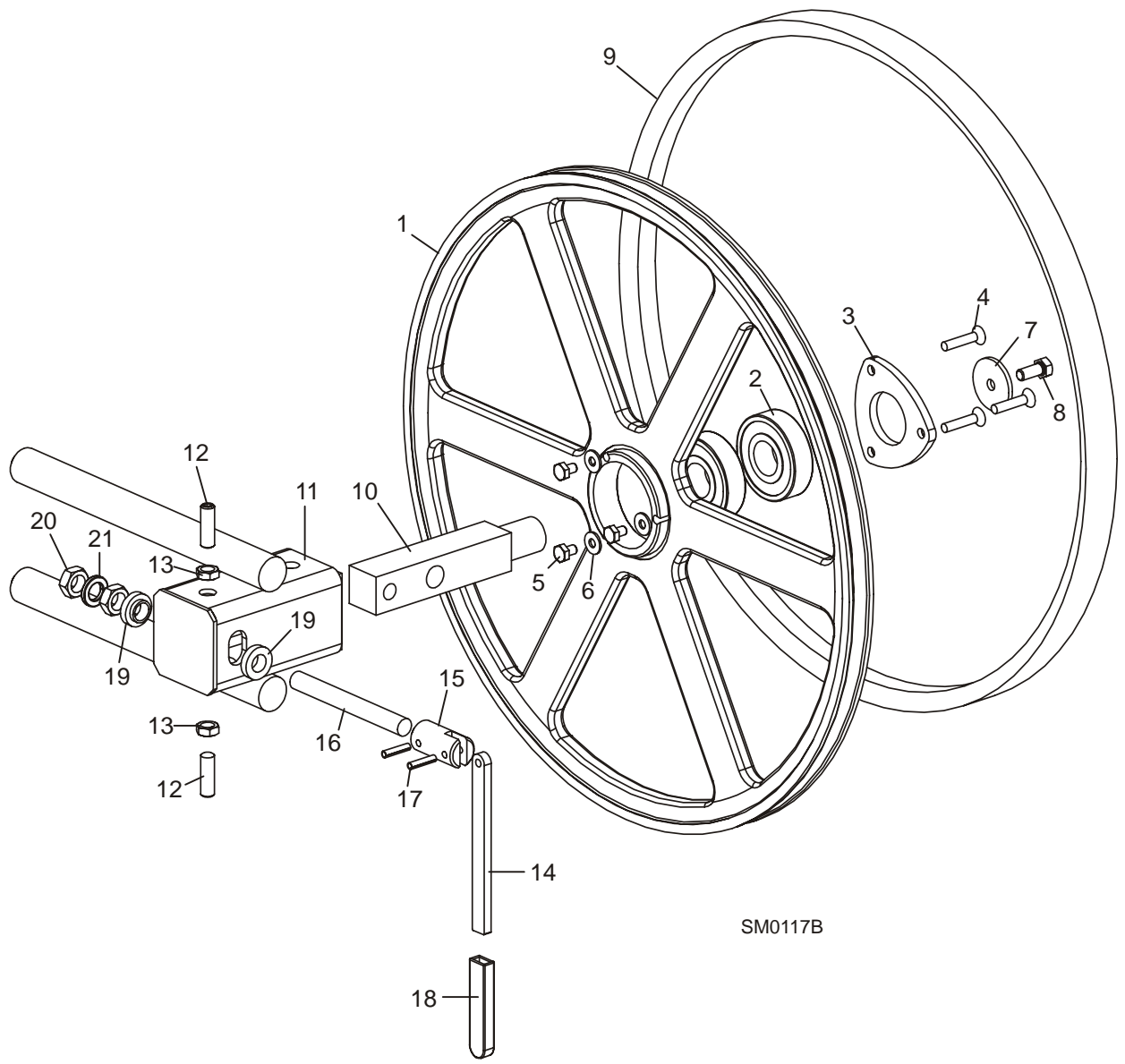
## 2 Blade Drive & Guides

### Idle Blade Wheel Assembly

<b>2.5 Idle Blade Wheel Assembly</b>				
<b>LT30</b>		<b>Rev. C4 - D7</b>		
<b>LT40</b>		<b>Rev. C5 - D8</b>		
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>WHEEL ASSEMBLY, IDLE SIDE BLADE</b>	A08218 <sup>1</sup>	1	
1	Wheel, Idle Side Blade	P08125	1	◆
2	Bearing, Idle Side Blade Wheel #6305-AA, C3, ABEC-1, SRI-2 Grease	P08066 <sup>2</sup>	2	
3	Retainer Plate, Bearing	S10159	1	
4	Screw, 1/4-20 X 1 1/4" Flat Head	F05005-66	3	
5	Bolt, 1/4-20 X 3/8" Hex Head Grade 2	F05005-67	3	
6	Washer, 1/4" SAE Flat	F05011-11	3	
7	<b>WASHER, IDLE BLADE WHEEL RETAINER</b>	S08220	1	
8	<b>BOLT, 5/16-18 X 3/4" HEX HEAD</b>	F05006-5	1	
9	<b>BELT, BLADE WHEEL B57</b>	P04185	1	
10	<b>SHAFT, IDLE BLADE WHEEL</b>	S09893	1	
11	<b>HOUSING, IDLE BLADE WHEEL SHAFT</b>	W10157	1	
12	<b>SCREW, 3/8-16 X 1 1/4" SOCKET HEAD OVAL POINT</b>	F05007-18	2	
13	<b>NUT, 3/8-16 HEX JAM</b>	F05010-29	2	
	<b>HANDLE ASSEMBLY, IDLE SIDE PULLEY TILT</b>	A09357	1	
14	Handle, Tilt Adjustment Screw	S08174	1	◆
15	Driver, Tilt Adjustment Screw	S09405	1	◆
16	Rod, Threaded Tilt Adjustment Screw	S09358	1	◆
17	Pin, 3/16" X 7/8" Roll	F05012-19	2	
18	<b>SLEEVE, PLASTIC HANDLE</b>	P08072	1	
19	<b>SPACER, 1/2" I.D. FLANGED</b>	S04253	2	
20	<b>NUT, 1/2-20 HEX JAM</b>	F05010-16	2	
21	<b>WASHER, 1/2" SPLIT LOCK</b>	F05011-9	1	

<sup>1</sup> Replacement assembly A08218 includes upgraded wheel with hub and retaining ring. Blade wheel kit 016189 with larger diameter bearing and retrofit hardware also available. ([See Section 2.4](#)).

<sup>2</sup> C3 Clearance bearing replaces C0 clearance supplied until 3/96.



SM0117B

FIG. 2-5



# 2

## Blade Drive & Guides

### Hydraulic Blade Tensioner Assembly

<b>2.6 Hydraulic Blade Tensioner Assembly</b>				
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>HYDRAULIC BLADE TENSIONER ASSEMBLY</b>	A10136	1	
	Handle Assembly, Hydraulic Blade Tensioner Screw	A12294	1	
1	Screw, Hydraulic Blade Tensioner	S10056 <sup>1</sup>	1	◆
2	Handle, Hydraulic Tensioner Screw	S08174	1	
3	Sleeve, Plastic Handle	P08072	1	
4	Pin, 3/16" x 7/8" Roll	F05012-19	1	
5	Ball, 1/2" Steel	P02720	1	
6	Block, Threaded Tensioner End	S10062 <sup>1</sup>	1	◆
7	Fitting, 1/4-28 Grease	P05060	1	
	Instruction Sheet, Tensioner Screw	A12294-518	1	
8	Bolt, 5/16-18 X 7 1/2" Hex Head Grade 5	F05006-43	4	
9	Piston, Hydraulic Tensioner Front 2 3/4" Long	S10060	1	
10	Block, Piston Guide	S10061 <sup>1</sup>	1	
	Seal Kit, Hydraulic Tensioner	003224	1	
5	Ball, 1/2" Steel	P02720	1	
11	Seal, 1" Diameter	P10051	2	
12	Wiper, 1" Diameter	P10053	1	
13	Ring, 5/8" X 3/32" Square "O"	P10377	1	
14	Block, Hydraulic Tensioner Gauge Mounting	S10140 <sup>1</sup>	1	
15	Gauge, 5000 P.S.I.	P10052	1	
16	Plug, Hydraulic Tensioner Fill	P10065	1	
	Block Assembly, Rear Tensioner Piston	016329	1	
17	Block, Rear Tensioner Piston	S10142 <sup>1</sup>	1	◆
18	Plug, Hydraulic Tensioner Fill	P10065 <sup>2</sup>	1	
19	Piston, Hydraulic Tensioner Rear 3 5/8" Long	S10059 <sup>1</sup>	1	
20	Block, Rear Piston End	S10089 <sup>1</sup>	1	
21	Bolt, #10-24 X 1" Socket Button Head	F05004-43	4	
22	Bolt, 5/16-18 X 2 3/4" Hex Head Grade 5	F05006-28	4	
23	Decal, Hydraulic Tension Caution	P10147	1	
	Instruction Sheet, Hydraulic Tensioner Installation	A10136-272	1	

<sup>1</sup> Replaces part number with "-W" suffix. Part number change only.

<sup>2</sup> Plug added to S10142 Rear Tensioner Piston Block 6/99.

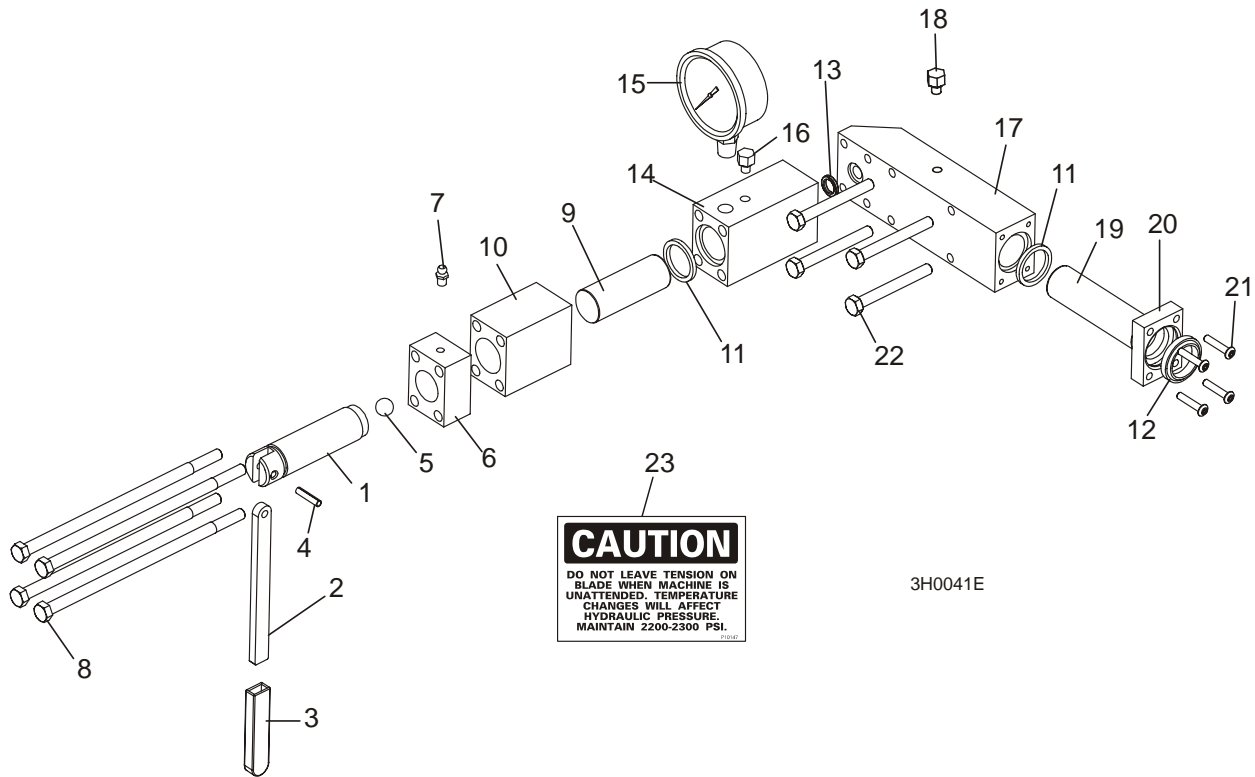


FIG. 2-6



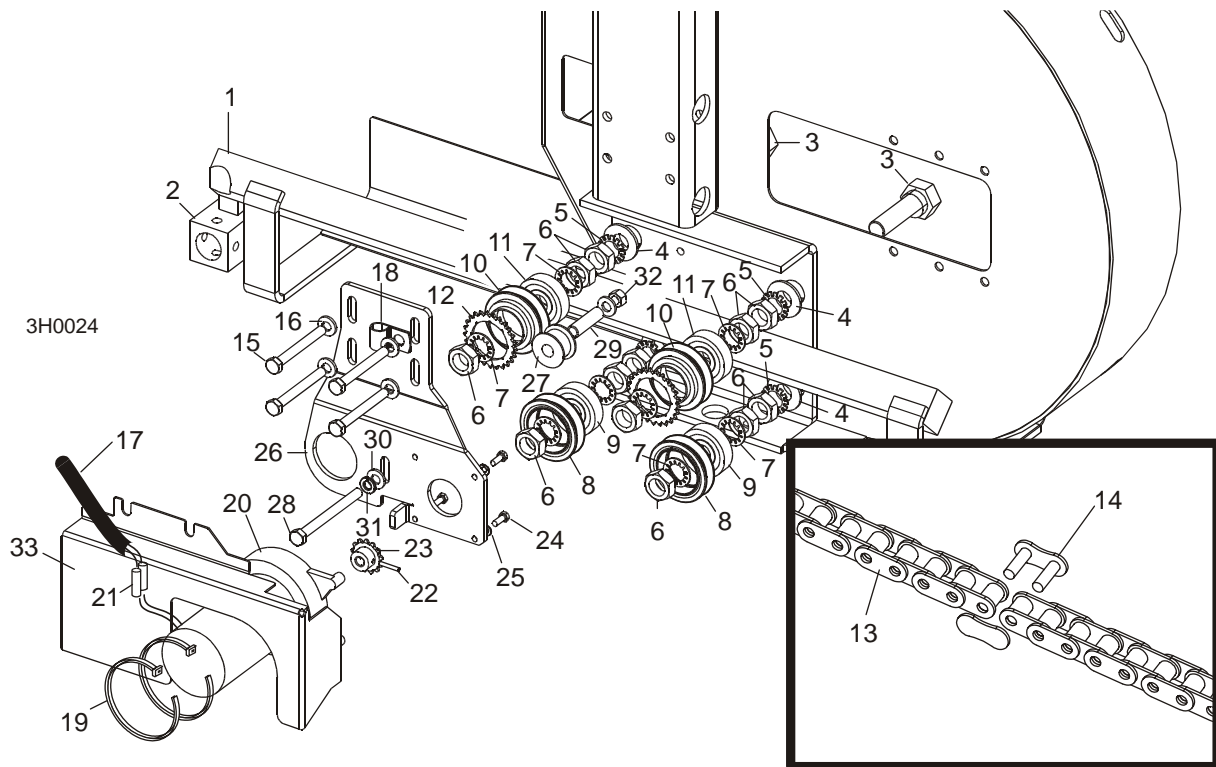
## Blade Drive & Guides

### Blade Guide Arm Assembly

<b>2.7 Blade Guide Arm Assembly</b>				
<b>LT30</b>		<b>Rev. D1 - F3</b>		
<b>LT40</b>		<b>Rev. D2 - F4</b>		
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
1	BLADE GUIDE ARM WELDMENT (U.S. 28 5/8" [72.7 CM])	W10005	1	
	BLADE GUIDE ARM WELDMENT (G.S. 37 1/8" [94.2 CM])	W10429	1	
2	Tube, Blade Guide Mount (U.S. - Welded to Blade Guide Arm)	W08159	1	
	Tube, Blade Guide Mount (G.S. - Bolted to Blade Guide Arm)	W10426	1	
3	<b>BOLT, BLADE GUIDE ARM ROLLER CAM</b>	W09067	4	
4	<b>WASHER, 5/8" SAE FLAT</b>	F05011-5	4	
5	<b>WASHER, 5/8" EXTERNAL STAR</b>	F05011-26	4	
6	<b>NUT, 5/8-18 HEX JAM</b>	F05010-11	12	
7	<b>WASHER, 5/8" INTERNAL STAR</b>	F05011-25	8	
	<b>ROLLER ASSEMBLY, BLADE GUIDE ARM WITH BEARING</b>	A09059	2	
8	Roller, Blade Guide Arm V-Groove	S07989	1	◆
9	Bearing, 6203-2NSL 5/8" I.D.	P06030-1	1	
	<b>ROLLER ASSEMBLY, BLADE GUIDE ARM WITH BEARING AND SPROCKET</b>	A09932	2	
10	Roller, Blade Guide Arm Drive	S09930	1	◆
11	Bearing, 6203-2NSL 5/8" I.D.	P06030-1	1	
12	Sprocket, #25 26-Tooth	S09931	1	◆
13	<b>CHAIN, #25 X 20 1/4"</b>	P09984	1	
14	<b>LINK, #25 MASTER</b>	P09983	1	
15	<b>BOLT, 5/16-18 X 2 3/4" HEX HEAD GRADE 5</b>	F05006-28	4	
16	<b>WASHER, 5/16" SAE FLAT</b>	F05011-17	4	
17	<b>TUBE, 3/8" X 1/2" NEOPRENE</b>	R01897	2.5ft	
18	<b>CLAMP, 1/2" COATED EMT</b>	P07584	2	
19	<b>WRAP, 1/4" X 6" TIE</b>	F05089-1	2	
	<b>DRIVE ASSEMBLY, BLADE GUIDE ARM</b>	A09974	1	
	Motor Assembly, Blade Guide Arm Replacement	A10353	1	
20	Motor, Blade Guide Arm 53:1 Gear	P09698-1	1	◆
	Housing, Klauber Motor End	P12756	1	
	Gear Kit, Klauber Motor Replacement	P12569	1	
	Brush Kit, Gear Motor Replacement	P12800 <sup>1</sup>	1	
	Shaft Kit, Klauber Gear Motor Replacement	009695	1	
21	Connector, 14 Gauge Butt	F04875-1	2	
22	Pin, 1/8" X 3/4" Roll	F05012-6	1	
23	Sprocket, Gear Motor #25 14-Tooth	P09970 <sup>2</sup>	1	
24	Screw, #10-32 x 1/2" Hex Head	F05004-60 <sup>3</sup>	4	
25	Washer, #10 Split Lock	F05011-20 <sup>4</sup>	4	
	Instruction Sheet, Blade Guide Arm Motor	A10353-296	1	
26	Bracket, Blade Guide Arm Motor Mount	S09934	1	
27	Roller, Blade Guide Arm Chain Idler	S09999 <sup>5</sup>	1	

<b>28</b>	Bolt, 5/16-18 X 3 1/2" Hex Head Full Thread	F05006-3	1	
<b>29</b>	Spacer, 5/16" I.D. X 1 1/2"	S09996	1	
<b>30</b>	Washer, 5/16" SAE Flat	F05011-17	2	
<b>31</b>	Washer, 5/16" Split Lock	F05011-13	1	
<b>32</b>	Nut, 5/16-18 Hex Lock	F05010-6	1	
<b>33</b>	<b>COVER, BLADE GUIDE ARM MOTOR</b>	S11617	1	
	<b>GUARD, BLADE GUIDE ARM (G.S. ONLY)</b>	S12029	1	

- <sup>1</sup> Brush kit used for Von Wiese and Klauber gear motors.
- <sup>2</sup> Sprocket modified 6/11 with threaded holes to accept included set screws (two F05004-274 #10-24 Full Dog Point Socket Screws replace 1/8" x 3/4" roll pin F05012-6). 14-Tooth sprocket replaces 13-tooth sprocket originally supplied before 5/93.
- <sup>3</sup> Replaces (4) F05004-29 button head screws 3/95. Included with motor after 12/95.
- <sup>4</sup> Lock washers added 8/95 to prevent mounting bolts from becoming loose. Included with motor after 12/95.
- <sup>5</sup> Replaces S09999-W. Part Number change only.



**FIG. 2-7**

## 2 Blade Drive & Guides

### Blade Guide Arm Assembly

<b>2.8 Blade Guide Arm Assembly</b>				
<b>LT30</b>		<b>Rev. C4 - C9</b>		
<b>LT40</b>		<b>Rev. C5 - D1</b>		
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
1	BLADE GUIDE ARM WELDMENT (U.S. 28 5/8" [72.7 CM])	W10005	1	
	BLADE GUIDE ARM WELDMENT (G.S. 37 1/8" [94.2 CM])	W10429	1	
2	Tube, Blade Guide Mount (U.S. - Welded to Blade Guide Arm)	W08159	1	
	Tube, Blade Guide Mount (G.S. - Bolted to Blade Guide Arm)	W10426	1	
3	<b>BOLT, BLADE GUIDE ARM ROLLER CAM</b>	W09067	4	
4	<b>WASHER, 5/8" SAE FLAT</b>	F05011-5	4	
5	<b>WASHER, 5/8" EXTERNAL STAR</b>	F05011-26	4	
6	<b>NUT, 5/8-18 HEX JAM</b>	F05010-11	12	
7	<b>WASHER, 5/8" INTERNAL STAR</b>	F05011-25	8	
	<b>ROLLER ASSEMBLY, BLADE GUIDE ARM WITH BEARING</b>	A09059	2	
8	Roller, Blade Guide Arm V-Groove	S07989	1	◆
9	Bearing, 6203-2NSL 5/8" I.D.	P06030-1	1	
	<b>ROLLER ASSEMBLY, BLADE GUIDE ARM WITH BEARING AND SPROCKET</b>	A09932	2	
10	Roller, Blade Guide Arm Drive	S09930	1	◆
11	Bearing, 6203-2NSL 5/8" I.D.	P06030-1	1	
12	Sprocket, #25 26-Tooth	S09931	1	◆
13	<b>CHAIN, #25 X 20 1/4"</b>	P09984	1	
14	<b>LINK, #25 MASTER</b>	P09983	1	
15	<b>BOLT, 5/16-18 X 2 3/4" HEX HEAD GRADE 5</b>	F05006-28	4	
16	<b>WASHER, 5/16" SAE FLAT</b>	F05011-17	4	
17	<b>TUBE, 3/8" X 1/2" NEOPRENE</b>	R01897	2.5ft	
18	<b>CLAMP, 1/2" COATED EMT</b>	P07584	2	
19	<b>WRAP, 1/4" X 6" TIE</b>	F05089-1	2	
	<b>DRIVE ASSEMBLY, BLADE GUIDE ARM</b>	A09974	1	
	Motor Assembly, Blade Guide Arm Replacement	A10353 <sup>1</sup>	1	
20	Motor, Blade Guide Arm 50:1 Gear	P09698	1	◆
	Gear Kit, Von Weise Motor Replacement	A10239 <sup>2</sup>	1	◆
	Gear #2, A11651-0001 50:1 Motor	P10185	1	◆
	Gear, H06099-0001 50:1 Motor Output	P10186	1	◆
	Shaft, J06185-0001 50:1 Motor Gear	P10187	1	◆
	Ring, R01877-0007 50:1 Motor Retaining	P10188	1	◆
	Shaft, J06171-0305 50:1 Motor Output	P10189	1	
	Bearing, L06162-0001 50:1 Motor Front	P10190	1	◆
	Gear #4, A11652-0001 50:1 Motor	P10192	1	◆
	Bearing, L06163-0001 50:1 Motor Rear	P10193	1	◆
	Pin, 1" x 9/16" Dowel	S10528	1	
	Brush Kit, Gear Motor Replacement	P12800 <sup>3</sup>	1	
21	Connector, 14 Gauge Butt	F04875-1	2	

22	Pin, 1/8" X 3/4" Roll	F05012-6	1	
	Instruction Sheet, Blade Guide Arm Motor	A10353-296	1	
23	Sprocket, Gear Motor #25 14-Tooth	P09970 <sup>4</sup>	1	
24	Bracket, Blade Guide Arm Motor Mount	S09934	1	
25	Bolt, #10-32 X 1" Phillips Head	F05004-20 <sup>5</sup>	4	
26	Roller, Blade Guide Arm Chain Idler	S09999 <sup>6</sup>	1	
27	Bolt, 5/16-18 X 3 1/2" Hex Head Full Thread	F05006-3	1	
28	Spacer, 5/16" I.D. X 1 1/2"	S09996	1	
29	Washer, 5/16" SAE Flat	F05011-17	2	
30	Washer, 5/16" Split Lock	F05011-13	1	
31	Nut, 5/16-18 Hex Lock	F05010-6	1	
32	<b>COVER, BLADE GUIDE ARM MOTOR</b>	S11617	1	
	<b>GUARD, BLADE GUIDE ARM (G.S. ONLY)</b>	S12029 <sup>7</sup>	1	

<sup>1</sup> Replacement kit includes new gear motor ([See Section 2.7](#)). Four F05004-60 mounting screws and four F05011-20 split-lock washers included. New motor cover S11617 (U.S.) or S12029 (G.S.) required on LT30 Rev. C4 - C9 & LT40 Rev. C5 - D1.

<sup>2</sup> Gear kit for motors originally equipped on Rev. C4 - C9 (LT30) & C5 - D1 (LT40) only. [See Section 2.7](#) for new gear kit. Due to cost, gear kit and component parts are no longer available for Von Wiese motor (2/06). Upgrade to Klauber motor.

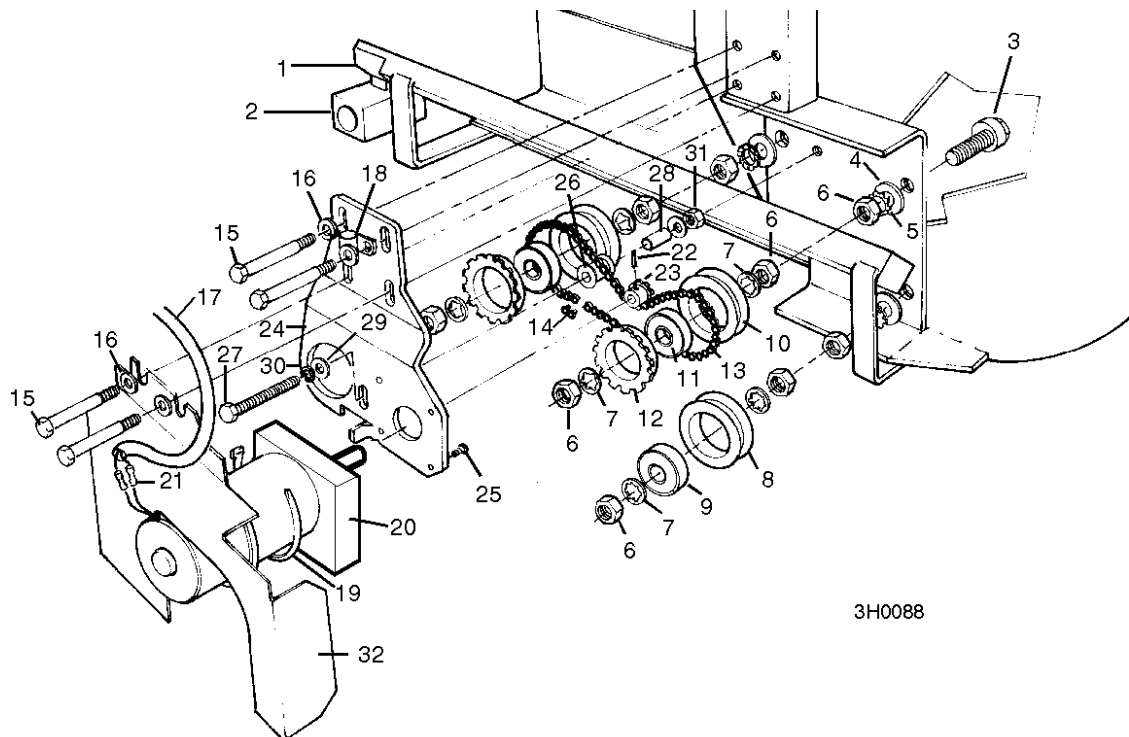
<sup>3</sup> Brush kit used for Von Wiese and Klauber gear motors.

<sup>4</sup> Sprocket modified 6/11 with threaded holes to accept included set screws (two F05004-274 #10-24 Full Dog Point Socket Screws replace 1/8" x 3/4" roll pin F05012-6). 14-Tooth sprocket replaces 13-tooth sprocket originally supplied before 5/93.

<sup>5</sup> Mounting screws for motors originally equipped on Rev. C4 - C9 (LT30) & C5 - D1 (LT40) only. [See Section 2.7](#) for new motor mounting screws.

<sup>6</sup> Replaces S09999-W. Part Number change only.

<sup>7</sup> Replaces S10433 originally supplied on Rev. C4 - C6 (LT30) & C5 - C7 (LT40).



**FIG. 2-8**

# 2

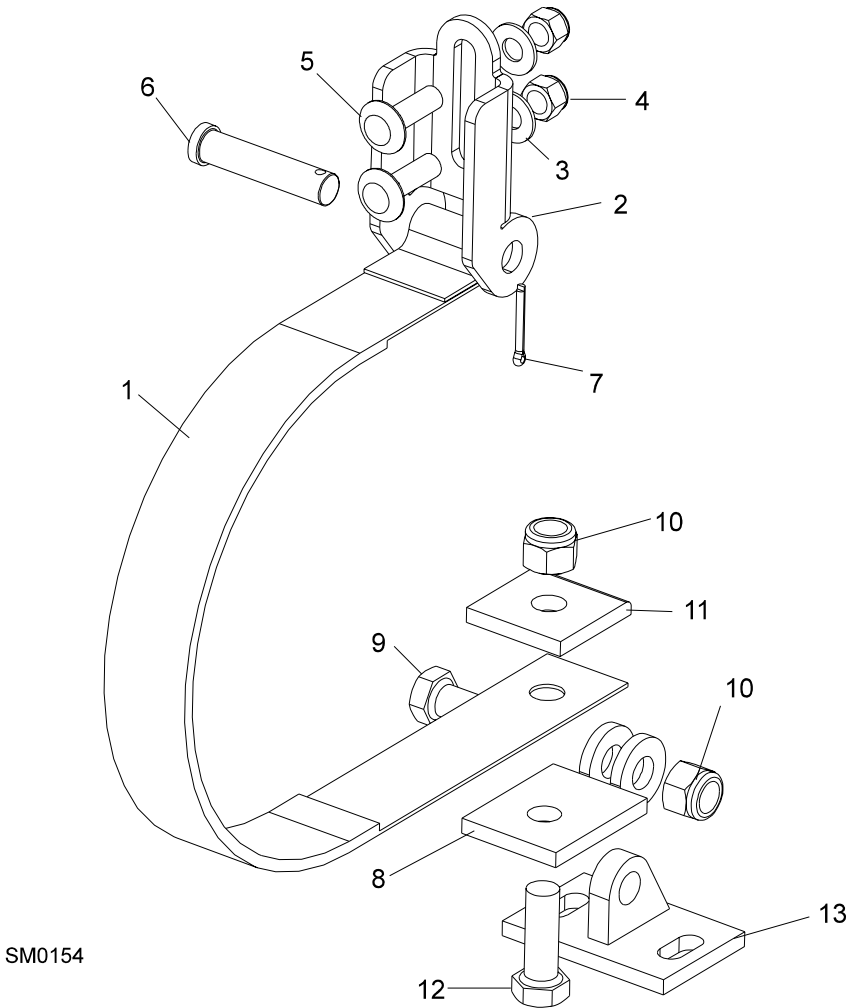
## Blade Drive & Guides

### Brake Strap Assembly

<b>2.9 Brake Strap Assembly</b>				
	<i>LT30</i>	<i>Retrofit</i>		
	<i>LT40</i>	<i>Retrofit</i>		
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>STRAP KIT, UPPER PIVOT BRAKE</b>	014443	1	
1	Strap, Upper Pivot Brake	014391 <sup>1</sup>	1	
2	Bracket, Upper Brake Strap Mount	014397	1	
3	Washer, 3/8" SAE Flat	F05011-3	2	
4	Nut, 3/8-16 Hex Nylon Lock	F05010-10	2	
5	Bolt, 3/8-16 X 1 1/4" Carriage Head	F05007-11	2	
6	Pin, 1/2" x 2 1/4" Clevis	F05012-81 <sup>2</sup>	1	
7	Pin, 1/8" x 1" Cotter	F05012-1	1	
8	Bracket, Lower Brake Strap Mount	014392	1	
9	Bolt, 1/2-13 X 1 1/2" Hex Head	F05008-4	1	
10	Nut, 1/2-13 Hex Nylon Lock	F05010-8	2	
11	Plate, Brake Strap Clamp	S04195	1	
12	Bolt, 1/2-13 x 1 1/4" Hex Head Grade 5	F05008-37	1	
13	Bracket, Lower Brake Strap Mount (Pre-95)	W12792	1	
	Instruction Sheet, Standard Brake Strap Retrofit	014443-470	1	

<sup>1</sup> Use 014391 only if customer has retrofitted to upper pivot brake strap with kit 014443.

<sup>2</sup> Replaces 014396 originally supplied (duplicate parts).



SM0154

FIG. 2-9



# 2

## Blade Drive & Guides

### Clutch/Brake Lever Assembly

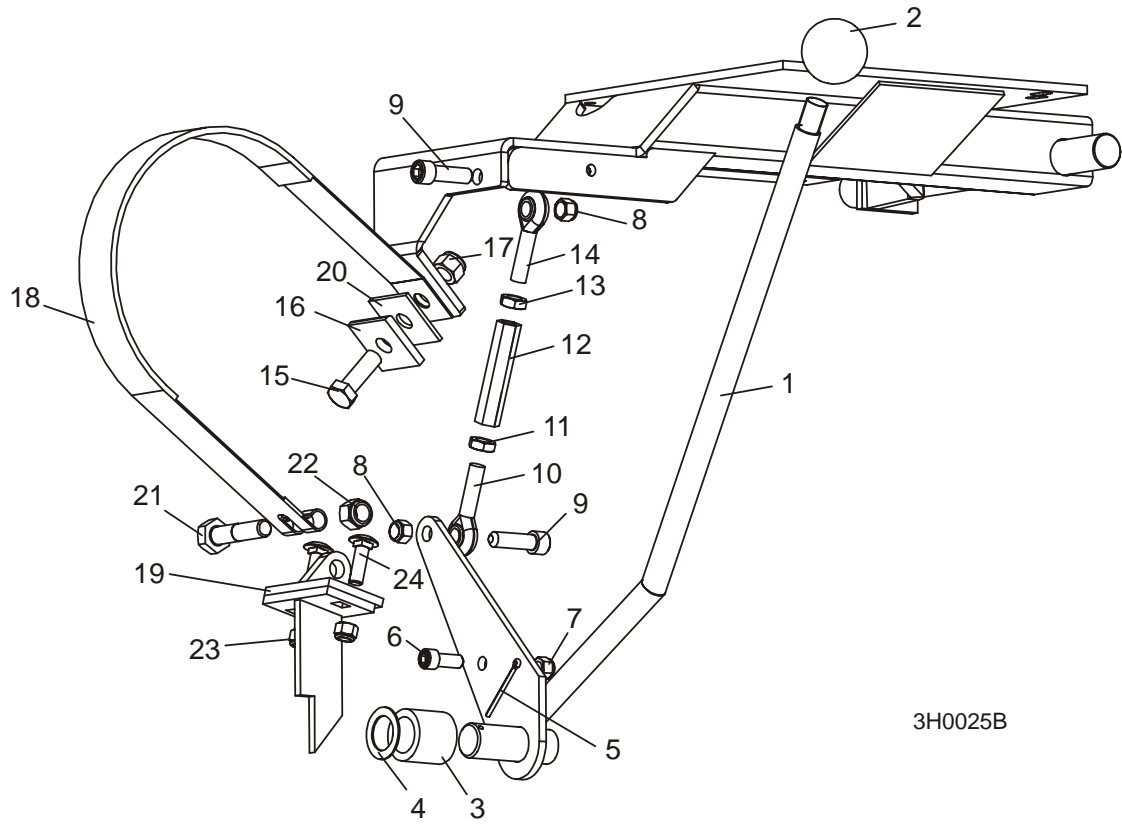
2.10 Clutch/Brake Lever Assembly				
<b>LT30</b>		<b>Rev. E8 - F3</b>		
<b>LT40</b>		<b>Rev. E9 - F4</b>		
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>LEVER ASSEMBLY, CLUTCH/BRAKE</b>	A12334	1	
1	Lever, Clutch/brake	W11571	1	◆
2	Knob, Plastic Round	P04211	1	
3	Bushing, Clutch/Brake Pivot	P05041	1	
4	Washer, Clutch/Brake Pivot	S11570	2	
5	Pin, 1/8" X 1 3/4" Cotter	F05012-43	1	
6	<b>BOLT, 3/8-16 X 1" SOCKET HEAD</b>	F05007-52	1	
7	<b>NUT, 3/8-16 HEX NYLON LOCK</b>	F05010-10	1	
8	<b>NUT, 7/16-20 HEX NYLON LOCK</b>	F05010-83	2	
9	<b>BOLT, 7/16-20 X 1 1/2" SOCKET HEAD</b>	F05007-55	2	
	<b>TURNBUCKLE ASSEMBLY, CLUTCH/BRAKE LEVER (G18/G24/G25/E15)</b>	A11576 <sup>1</sup>	1	
	<b>TURNBUCKLE ASSEMBLY, CLUTCH/BRAKE LEVER (D20)</b>	A12304	1	
10	Rod End, 7/16-20 Right Hand Thread	P11579 <sup>2</sup>	1	
11	Nut, 7/16-20 Hex Jam	F05010-38	1	
12	Turnbuckle, 3 1/2" Clutch/Brake Lever (G18/G24/G25/E15)	S12262 <sup>3</sup>	1	◆
	Turnbuckle, 3" Clutch/Brake Lever (D20)	S11577	1	◆
13	Nut, 7/16-20 Hex Jam Left Hand Thread	F05010-87	1	
14	Rod End, 7/16-20 Left Hand Thread	P11578 <sup>2</sup>	1	
15	<b>BOLT, 1/2-13 X 1 1/2" HEX HEAD</b>	F05008-4	1	
16	<b>PLATE, UPPER BRAKE STRAP CLAMP</b>	S04195	1	
17	<b>NUT, 1/2-13 HEX NYLON LOCK</b>	F05010-8	1	
	<b>RETROFIT KIT, METAL-BACKED BRAKE STRAP</b>	K12820 <sup>4</sup>	1	◆
18	Strap, Metal-Backed Brake	P12791 <sup>4</sup>	1	◆
19	Plate, Lower Brake Strap Clamp	W12792	1	
20	Washer, Brake Strap	S12804 <sup>4</sup>	1	◆
21	Bolt, 1/2-13 x 2 1/4" Hex Head Grade 5	F05008-10	1	
22	Nut, 1/2-13 Nylon Hex Lock	F05010-8	1	
23	<b>NUT, 3/8-16 HEX NYLON LOCK</b>	F05010-10	2	
24	<b>BOLT, 3/8-16 X 1 1/4" CARRIAGE HEAD</b>	F05007-11	2	

<sup>1</sup> Replaces A12304 on Rev. C4 - D1 (LT30) & C5 - D2 (LT40) G18/G24/E15. Longer turnbuckle provides more drive belt adjustment.

<sup>2</sup> Left and Right Hand Ends may be positioned at opposite end of turnbuckle. Check carefully before ordering.

<sup>3</sup> Replaces S12262-W. Part Number change only. Turnbuckle revised from 3 3/4" to 3 1/2" to provide increased adjustment (9/03).

<sup>4</sup> Brake Strap parts obsolete. Retrofit brake strap and mounting hardware with 014443. [See Section 2.9.](#)



3H0025B

**FIG. 2-10**

# 2

## Blade Drive & Guides

### Clutch/Brake Lever Assembly

2.11 Clutch/Brake Lever Assembly				
<b>LT30</b>		<b>Rev. C4 - E7</b>		
<b>LT40</b>		<b>Rev. C5 - E8</b>		
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>LEVER ASSEMBLY, CLUTCH/BRAKE</b>	A12334	1	
1	Lever, Clutch/Brake	W11571	1	◆
2	Knob, Plastic Round	P04211	1	
3	Bushing, Clutch/Brake Pivot	P05041	1	
4	Washer, Clutch/Brake Pivot	S11570	2	
5	Pin, 1/8" X 1 3/4" Cotter	F05012-43	1	
6	<b>BOLT, 3/8-16 X 1" SOCKET HEAD</b>	F05007-52	1	
7	<b>NUT, 3/8-16 HEX NYLON LOCK</b>	F05010-10	1	
8	<b>NUT, 7/16-20 HEX NYLON LOCK</b>	F05010-83	2	
9	<b>BOLT, 7/16-20 X 1 1/2" SOCKET HEAD</b>	F05007-55	2	
	<b>TURNBUCKLE ASSEMBLY, CLUTCH/BRAKE LEVER (G18/G24/G25/E15)</b>	A11576 <sup>1</sup>	1	
	<b>TURNBUCKLE ASSEMBLY, CLUTCH/BRAKE LEVER (D20)</b>	A12304	1	
10	Rod End, 7/16-20 Right Hand Thread	P11579 <sup>2</sup>	1	
11	Nut, 7/16-20 Hex Jam	F05010-38	1	
12	Turnbuckle, 3 1/2" Clutch/Brake Lever (G18/G24/G25/E15)	S12262 <sup>3</sup>	1	◆
	Turnbuckle, 3" Clutch/Brake Lever (D20)	S11577	1	◆
13	Nut, 7/16-20 Hex Jam Left Hand Thread	F05010-87	1	
14	Rod End, 7/16-20 Left Hand Thread	P11578 <sup>2</sup>	1	
15	<b>BOLT, 1/2-13 X 1 1/2" HEX HEAD</b>	F05008-4	1	
16	<b>PLATE, UPPER BRAKE STRAP CLAMP</b>	S04195	1	
17	<b>NUT, 1/2-13 HEX NYLON LOCK</b>	F05010-8	1	
18	<b>STRAP, COTTON BRAKE</b>	M07484 <sup>4</sup>	1	
19	<b>NUT, 3/8-16 HEX NYLON LOCK</b>	F05010-10	2	
20	<b>PLATE, LOWER BRAKE STRAP CLAMP</b>	S04123	1	
21	<b>BOLT, 3/8-16 X 1 1/4" CARRIAGE HEAD</b>	F05007-11	2	

<sup>1</sup> Replaces A12304 on Rev. C4 - D1 (LT30) & C5 - D2 (LT40) G18/G24/E15. Longer turnbuckle provides more drive belt adjustment.

<sup>2</sup> Left and Right Hand Ends may be positioned at opposite end of turnbuckle. Check carefully before ordering.

<sup>3</sup> Replaces S12262-W. Part Number change only. Turnbuckle revised from 3 3/4" to 3 1/2" to provide increased adjustment (9/03).

<sup>4</sup> Replaces leather brake strap originally supplied on LT30 Rev. C4 - E7 & LT40 Rev. C5 - E8. Customers may retrofit to metal-backed brake strap (014443). [See Section 2.9.](#)

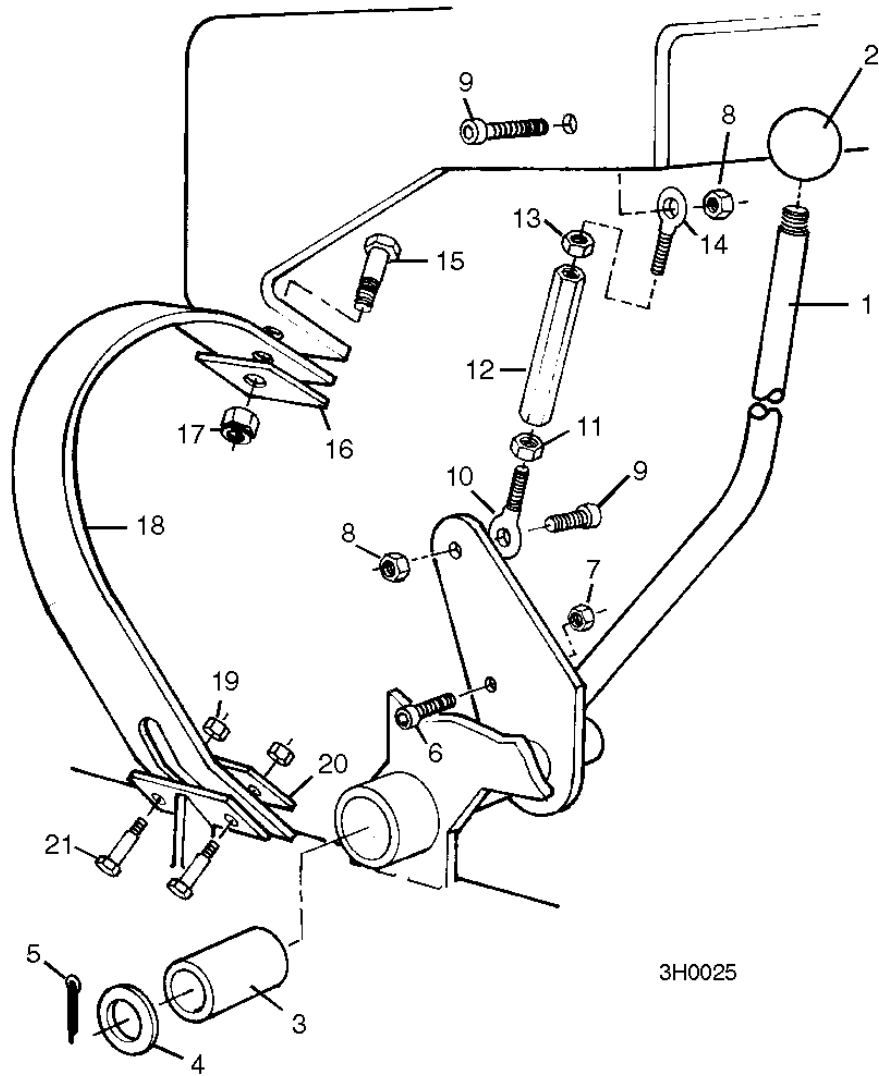
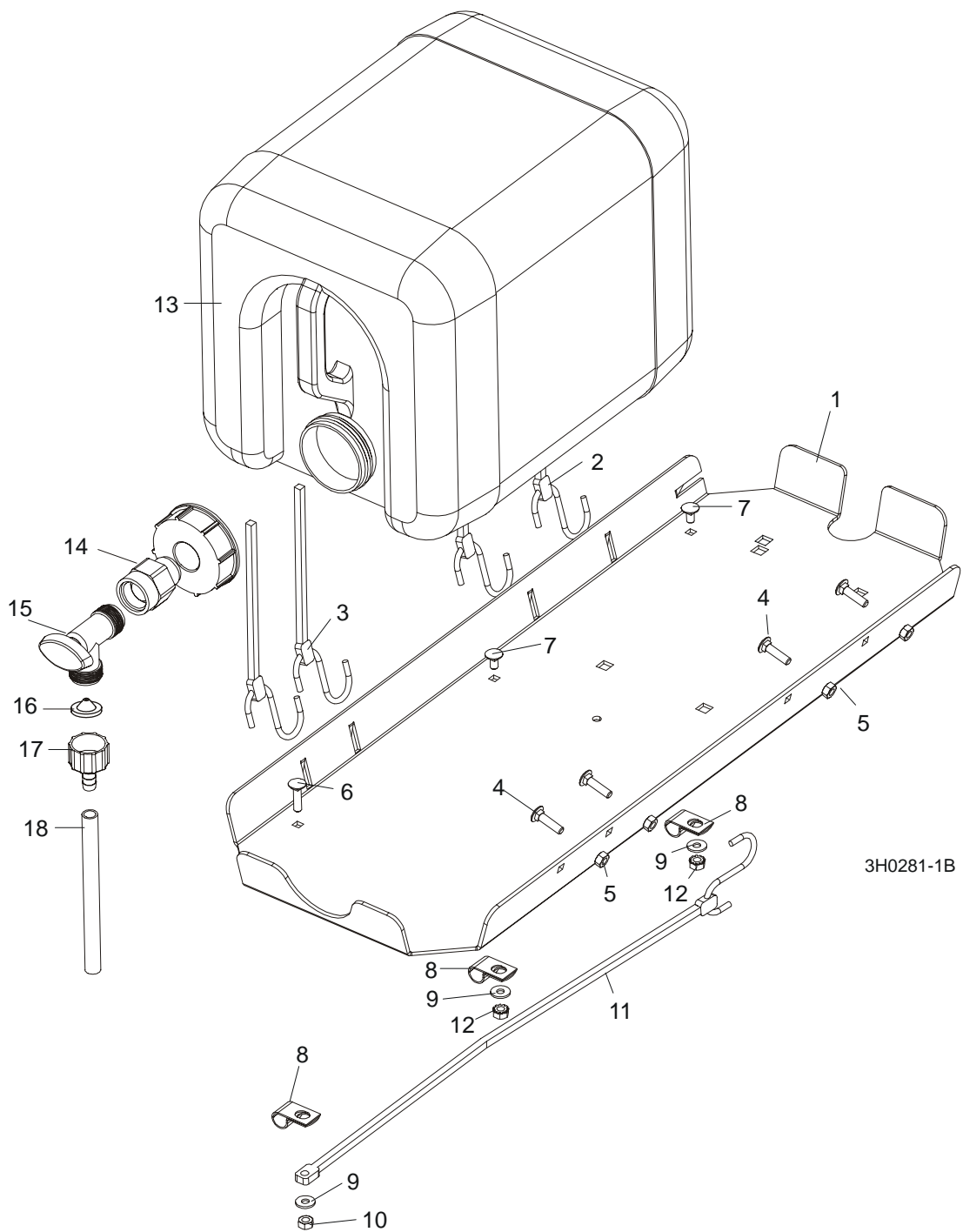


FIG. 2-11

## 2.12 Water Lube Assembly

<b>LT30</b>		<b>Retrofit</b>		
<b>LT40</b>		<b>Retrofit</b>		
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>TRAY ASSEMBLY, FUEL TANK/WATER BOTTLE</b>	A11685	1	
1	Tray, Fuel Tank/Water Bottle	S11684	1	◆
2	Strap, 24" Rubber (For Fuel Tank - See Engine Manual)	P11258	2	
3	Strap, 20" Rubber	P11668	2	
4	Bolt, 1/4-20 X 1" Carriage Head	F05005-34	4	
5	Nut, 1/4-20 Hex Lock	F05010-21	4	
6	<b>BOLT, 1/4-20 X 1" CARRIAGE HEAD</b>	F05005-34	1	
7	<b>BOLT, 1/4-20 X 1/2" CARRIAGE HEAD</b>	F05005-33	2	
8	<b>CLAMP, 1/2" EMT HOSE</b>	P07584	3	
9	<b>WASHER, 1/4" SAE FLAT</b>	F05011-11	3	
10	<b>NUT, 1/4-20 HEX LOCK</b>	F05010-21	1	
11	<b>STRAP, 15" RUBBER</b>	P07461	1	
12	<b>NUT, 1/4-20 SELF-LOCKING</b>	F05010-9	2	
13	<b>BOTTLE ASSY, WATER LUBE W/CAP</b>	014642 <sup>1</sup>	1	
14	<b>FITTING, 3/4FPT X 3/4 MPT</b>	014636	1	
15	<b>FITTING, WATER LUBE SHUTOFF VALVE</b>	014100	1	
16	<b>FILTER, WATER LUBE</b>	016086	1	
17	<b>FITTING, 5/8" NPT TO 3/8" HOSE BARB</b>	014113	1	
18	<b>TUBING, WATER LUBE 3/8" I.D.</b>	R01885	7 ft.	

<sup>1</sup> Use Water Bottle Assembly w/Cap 014642 to service all bottle/cap combinations previously supplied. Bottle 014367, 61mm Cap 014773 and 70mm Cap 036744 no longer available separately. 014642 Bottle Kit replaces P04357 bottle & P09088 cap originally supplied (requires fittings 014636, 014113, and valve 014100).



3H0281-1B

FIG. 2-12

# 2

## Blade Drive & Guides

### Water Lube Assembly

2.13 Water Lube Assembly				
<i>LT30</i>		<i>Rev. C4 - F3</i>		
<i>LT40</i>		<i>Rev. C5 - F4</i>		
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>TRAY ASSEMBLY, FUEL TANK/WATER BOTTLE</b>	A11685	1	
1	Tray, Fuel Tank/Water Bottle	S11684	1	◆
2	Strap, 20" Rubber	P11668	2	
3	Strap, 24" Rubber	P11258 <sup>1</sup>	2	
4	Bolt, 1/4-20 X 1" Carriage Head	F05005-34	4	
5	Nut, 1/4-20 Hex Lock	F05010-21	4	
6	<b>BOTTLE, 5 GALLON WATER</b>	P04357 <sup>2</sup>	1	◆
7	Cap, 5 Gallon Water Bottle	P09088 <sup>2</sup>	1	◆
8	<b>FITTING, 3/4" TO 1/4" REDUCER</b>	P04695 <sup>3</sup>	1	
9	<b>VALVE, WATER FLOW</b>	P04669 <sup>3</sup>	1	
10	<b>FITTING, 3/8" HOSE BARB</b>	P04730 <sup>3</sup>	1	
11	<b>HOSE, PLASTIC WATER LUBE</b>	R01885	6.5 Ft	

<sup>1</sup> Tank tray includes 24" strap to secure 5-gallon fuel tank. Order two P07461 15" straps if 3-gallon tank used.

<sup>2</sup> Use Water Bottle Assembly w/Cap 014642 to service all bottle/cap combinations previously supplied. Bottle 014367, 61mm Cap 014773 and 70mm Cap 036744 no longer available separately. Bottle P04357 & Cap P09088 no longer available. New bottle 014642 available 3/97 provides higher UV resistance ([See Section 2.12](#)).

<sup>3</sup> Fittings and valve apply only to original P04357 bottle. [See Section 2.12](#) for replacement parts if bottle replaced after 3/97.

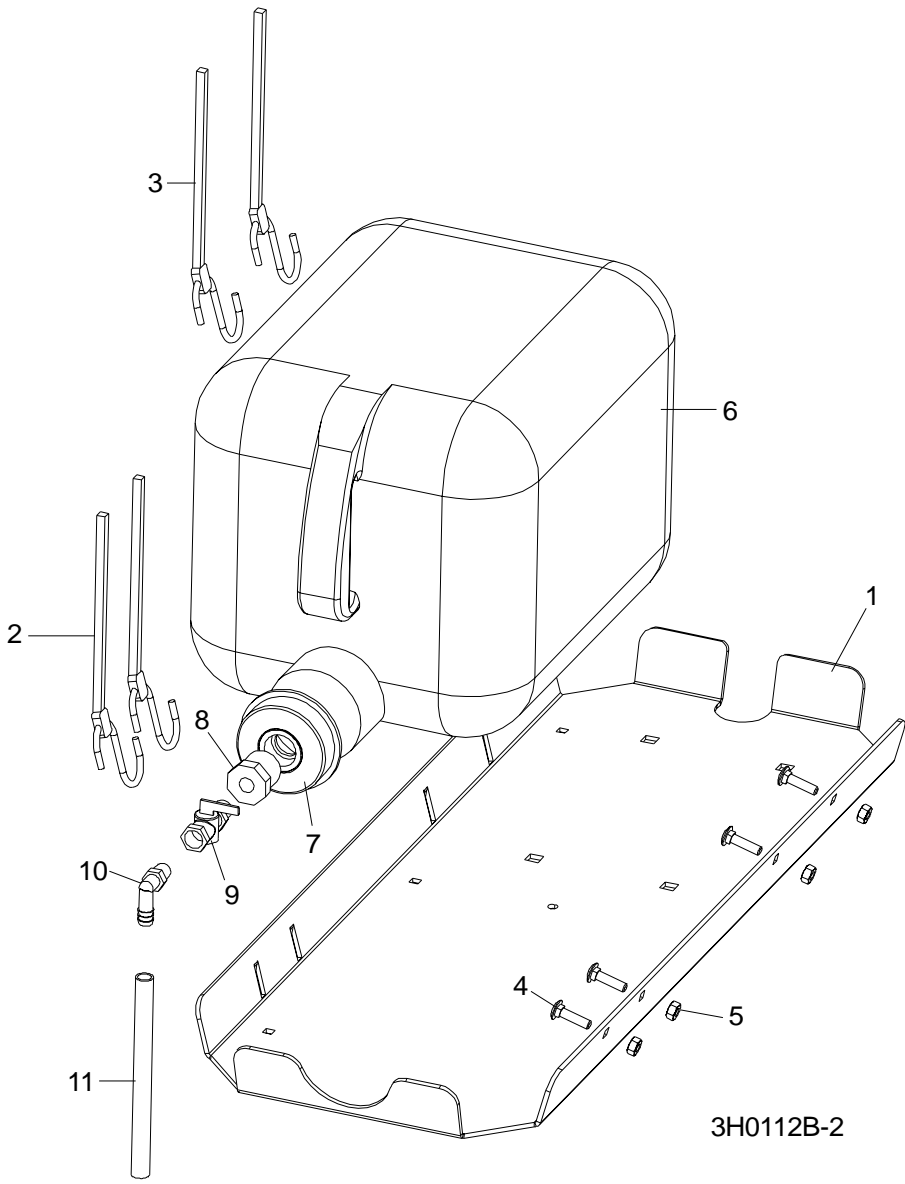


FIG. 2-13



## 2 Blade Drive & Guides

### Middle Throat Screw

2.14 Middle Throat Screw				
<i>LT30</i>		<i>Rev. C6 - F3</i>		
<i>LT40</i>		<i>Rev. C7 - F4</i>		
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
1	SCREW, 3/8-16 X 1 1/4" OVAL POINT SOCKET SET	F05007-18	1	
2	NUT, 3/8-16 HEX JAM	F05010-29	1	

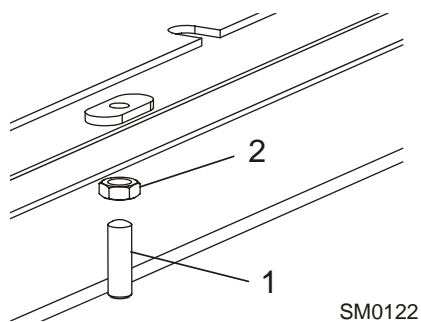


FIG. 2-14

2.15 Middle Throat Cam				
<i>LT30</i>		<i>Rev. C4 - C5</i>		
<i>LT40</i>		<i>Rev. C5 - C6</i>		
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
1	BOLT, 3/8-16 X 3" HEX HEAD FULL THREAD	F05007-73	1	
2	NUT, 3/8-16 HEX SELF-LOCKING	F05010-19	2	
3	CAM, MIDDLE THROAT	S11818	1	

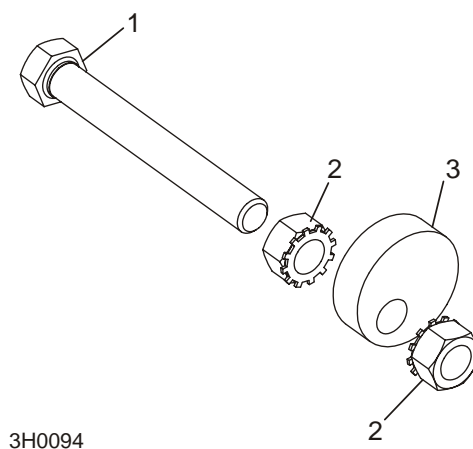


FIG. 2-15

## SECTION 3 DECALS & SAW HEAD COVERS

3.1 Safety Decals				
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
1	DECAL, BLADE TENSION CAUTION	P10147	1	
2	DECAL, SAWDUST CHUTE CAUTION	P11754	1	
3	DECAL, BLADE DANGER ARROW LEFT	S11751 <sup>1</sup>	3	◆
4	DECAL, FENDER DAMAGE CAUTION	S11761	2	
5	DECAL, MOVING PARTS DANGER	033254 <sup>2</sup>	2	
6	DECAL, BLADE DANGER ARROW RIGHT	S11752	1	
7	DECAL, UP/DOWN CAUTION	S11762	1	
8	DECAL, EYE/EAR WARNING	S11753	1	
9	DECAL, PINCH POINT CAUTION	P10287	1	
10	DECAL, ELECTRICAL HAZARD DANGER	S20061	1	
11	DECAL, SAW HEAD REST CAUTION (ADDED 4/94)	S12581	1	

<sup>1</sup> Decal no longer used. Use 033254 on outside of blade housing covers.

<sup>2</sup> Replaces S20039 originally supplied.

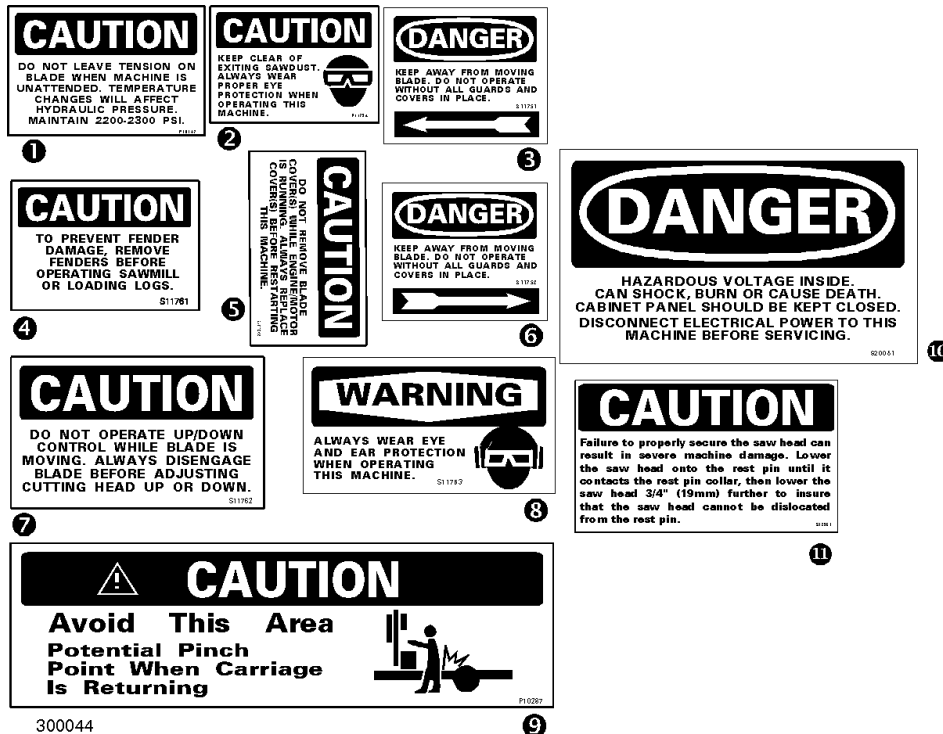


FIG. 3-1

# 3 Decals & Saw Head Covers

## Saw Head Covers

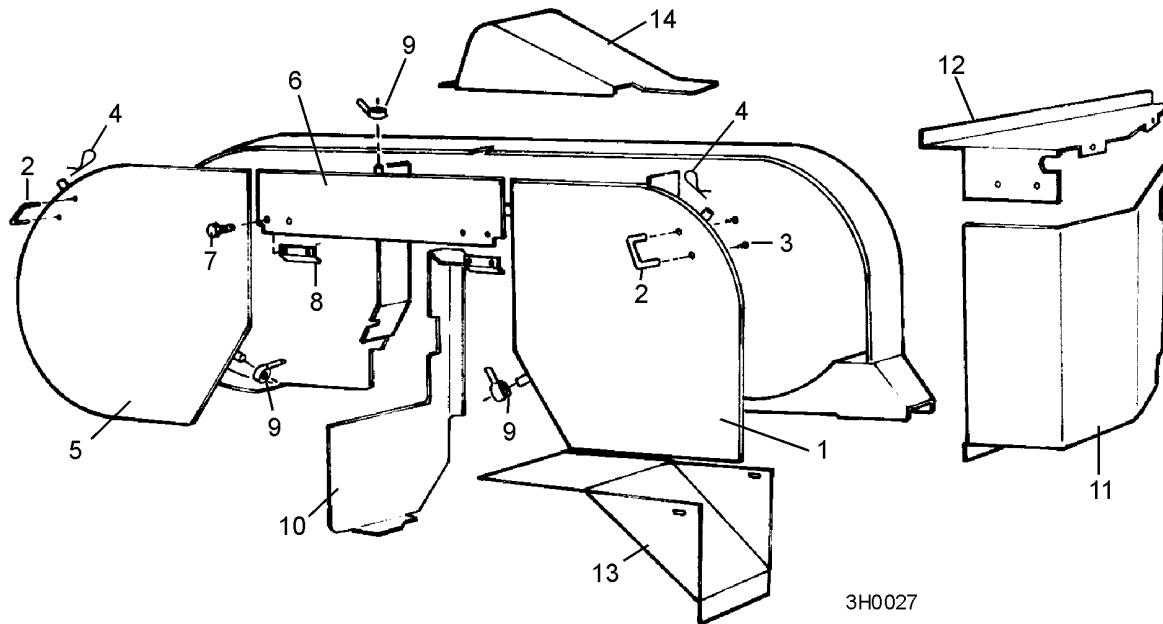
<b>3.2 Saw Head Covers</b>				
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>COVER, DRIVE SIDE BLADE HOUSING WITH HANDLE</b>	A09420	1	
1	Cover, Drive Side Blade Housing	W07948	1	◆
2	Handle, Blade Housing Cover	P08065	1	
3	Screw, #8-32 X 3/8" Self-Tap	F05015-8	2	
	Pin Assembly, Cover Retainer	A12812 <sup>1</sup>	1	
4	Pin, Safety Retainer	P05059	1	
	Cable, 1/8" O.D. Coated Nylon	R02075	.92 Ft.	
	Clamp, 1/8" Dual Cable	P11830	1	
	<b>COVER, IDLE SIDE BLADE HOUSING WITH HANDLE</b>	A09419	1	
5	Cover, Idle Side Blade Housing	W09351	1	◆
2	Handle, Blade Housing Cover	P08065	1	
3	Screw, #8-32 X 3/8" Self-Tap	F05015-8	2	
	Pin Assembly, Cover Retainer	A12812 <sup>1</sup>	1	
4	Pin, Safety Retainer	P05059	1	
	Cable, 1/8" O.D. Coated Nylon	R02075	.92 Ft.	
	Clamp, 1/8" Dual Cable	P11830	1	
6	<b>COVER, MIDDLE BLADE HOUSING</b>	W07409 <sup>2</sup>	1	
	<b>DECAL, LT30D20</b>	S12584	1	
	<b>DECAL, LT30E15</b>	S12585	1	
	<b>DECAL, LT30G18</b>	S12586	1	
	<b>DECAL, LT30G24</b>	S12587	1	
	<b>DECAL, LT40D20</b>	S12591	1	
	<b>DECAL, LT40E15</b>	S12592	1	
	<b>DECAL, LT40G18</b>	S12593	1	
	<b>DECAL, LT40G24</b>	S12594	1	
7	<b>BOLT, 1/4-20 X 3/4" HEX HEAD</b>	F05005-1	2	
8	<b>HINGE, MIDDLE BLADE HOUSING COVER</b>	S07522	2	
9	<b>NUT, COVER TURN</b>	021145 <sup>3</sup>	3	
10	<b>GUARD, CLUTCH LEVER</b>	W11772	1	
11	<b>GUARD, DRIVE PULLEY SIDE</b>	W11537 <sup>4</sup>	1	
	<b>BOLT, 1/4-20 X 3/4" HEX HEAD</b>	F05005-1	5	
12	<b>GUARD, DRIVE PULLEY TOP</b>	W11750	1	
13	<b>GUARD, LOWER DRIVE BELT (LT30 REV. D1+ &amp; LT40 REV. D2+ 11/92+)</b>	W12288	1	
	<b>GUARD, LOWER DRIVE BELT (LT30 REV. C4 - D1 &amp; LT40 REV. C5 - D2 10/92-)</b>	W11697 <sup>5</sup>	1	
14	<b>GUARD, ENGINE/MOTOR PULLEY (G18/E15)</b>	W09010	1	
	<b>GUARD, ENGINE PULLEY (G24)</b>	W10272	1	
	<b>GUARD, ENGINE PULLEY (D20)</b>	W12146	1	

<sup>1</sup> Hole must be drilled in cover pin to accept retainer pin. Retainer secures cover while traveling.

<sup>2</sup> Replaces W12122 on LT30 Rev. C4 - E5 and W12123 on LT40 Rev. C5 - E6. Order appropriate model decal for cover label.

<sup>3</sup> Directly replaces W07511 nut weldment (8/97).

- <sup>4</sup> Guard W11537 modified 3/09. Cutout added to accommodate Simple Set encoder sensor. Plate 006870 added to cover cutout on sawmills without Simple Set. Plate 006870 modified 10/09 to accommodate Super model covers.
- <sup>5</sup> Replaces S11697 on LT30 Rev. C4 - C6 and LT40 Rev. C5 - C7. Includes formed tab with slot for mounting.



3H0027

FIG. 3-2

## SECTION 4 CONTROL & BATTERY BOXES

4.1 Control Assembly, (U.S.)				
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	CONTROL BOX ASSEMBLY, ONAN G18	A12939	1	
	CONTROL BOX ASSEMBLY, BRIGGS & STRATTON G18	A11980-W <sup>1</sup>	1	
	CONTROL BOX ASSEMBLY, G24	A11981-W	1	
	CONTROL BOX ASSEMBLY, G25	A12574-W	1	
	CONTROL BOX ASSEMBLY, E15	A11982-W	1	
	CONTROL BOX ASSEMBLY, D20	A12130-W	1	
1	Box Weldment, Sawmill Control	W11621 <sup>2</sup>	1	
2	Cover, Control Box Hinged	W11636	1	
3	Rivet, 3/16" x 1/4" Aluminum Pop	F04203-7 <sup>3</sup>	3	
4	Switch, Power Feed Drum (U.S.)	E20439	1	
5	Spring, Drum Switch	P12570	1	
6	Handle, Drum Switch Replacement	P12500	1	
7	Switch, Up/Down Drum	E20440	1	
5	Spring, Drum Switch	P12570	1	
6	Handle, Drum Switch Replacement	P12500	1	
	Panel Assembly, Control Front (Onan G18)	A12940	1	
	Panel Assembly, Control Front (Briggs & Stratton G18)	A20453	1	
	Panel Assembly, Control Front (G24, D20, E15)	A20435	1	
8	Panel, Onan G18 Control	S12942	1	◆
	Panel (With Kill Switch Label), Briggs & Stratton G18 Control	S11632-2	1	◆
	Panel (With Alternator Label), G24/D20/E15 Control	S11632-1	1	◆
9	Light, 12v Red Alternator Indicator (G24, D20, E15 Only)	P04986	1	
	Switch, Engine Kill (Briggs & Stratton G18 Only)	P07915 <sup>4</sup>	1	◆
10	Light, 12v Green Indicator	P20436 <sup>5</sup>	1	
11	Meter, Hour	P09631	1	
12	Switch, Key	P04350	1	
13	Switch, Toggle	P10006	1	
14	Boot, Toggle Switch Rubber	P02575	1	
15	Switch Assembly, Feed Rate	024450-1 <sup>6</sup>	1	
16	Knob, Feed Rate With Set Screw	P06257	1	
17	Harness, Upper Onan G18 Wiring	A12941	i	
	Harness, Upper Briggs & Stratton G18 Wiring	A20451	1	
	Harness, Upper G24 Wiring	A20442	1	
	Harness, Upper E15 Wiring	A20449	1	
	Harness, Upper D20 Wiring	A12158	1	
18	Harness, Lower G18/G24/E15 Wiring	A20479	1	
	Harness, Lower D20 Wiring	A12157	1	

## 4

**Control & Battery Boxes***Control Assembly, (U.S.)*

19	Circuit Board Assembly, Power Feed	024495 <sup>7</sup>	1	
	Module Assembly, 92-96 Power Feed Mosfet	024540 <sup>8</sup>	1	
	Module Assembly, 92-96 SMT Power Feed Control	024396-96 <sup>8</sup>	1	
	Suppressor Assembly, Power Feed	052294 <sup>9</sup>	1	
	Capacitor Assembly, Power Feed Filter	052365	1	
	Diode Assembly, Power Feed Replacement	052363	1	
	Breaker Assembly (U.S.), Sawmill Control Circuit	A20433	1	
20	Breaker, 30 Amp Auto Reset	E20486 <sup>10</sup>	1	
21	Bracket, Circuit Breaker	S11656-N	1	
22	Screw, #8-32 X 1/2" Slotted Head	F05004-12	2	
23	Nut, #8-32 Hex Self-Locking	F05010-41	2	
24	Pad, Rubber Bumper	P08184	4	
25	Panel, Control Box Front Access	S11625	1	
26	Screw, #10-24 x 1/2" Pan Head	F05015-17	6	
	Cup Assembly, Drum Switch Grease	A20463	1	
27	Cup, Plastic Container	P20464	1	◆
28	Pad, Velcro Loop	P20466	1	◆
29	Pad, Velcro Hook	P20465	1	◆
30	Decal, Grease Cup Label	P20467	1	
	Grease, High Temp Drum Switch	P20468	.025 Lb	◆
31	<b>TUBE, CONTROL BOX MOUNT</b>	W11640	1	

<sup>1</sup> Applies to LT30 Rev. C4 - F2 and LT40 Rev. C5 - F4 only.

<sup>2</sup> Replaces W11620-W on Rev. C4 - D2 (LT30) & C5 - D3(LT40). Also order access panel S11625 & six screws F05015-17.

<sup>3</sup> Replaces #10-24 x 1/2" screw (F05015-17) & #10-24 nut (F05010-14)C4 - E5 (LT30) & C5 - E6 (LT40).

<sup>4</sup> Part is obsolete and no longer available. Customer should be able to source locally.

<sup>5</sup> Replaces P20481 on Rev. C7 - C9 (LT30) & C8 - D1 (LT40). Includes E20483 green light, wire, terminals, and instructions.

<sup>6</sup> Replaces A20437 and 015408 originally supplied.

<sup>7</sup> Replaces A20428 originally supplied before 4/99. New assembly includes LED indicator lights for easier troubleshooting. Modularized components and surface mount technology improve durability and power capability.

<sup>8</sup> Modules apply to 024495 power feed control only.

<sup>9</sup> Suppressor Assembly 052294 added 6/05 to protect feed circuit.

<sup>10</sup> 30 Amp breaker replaces E20434 50 Amp breaker 10/9/95. A retrofit is available which provides a second circuit breaker. This will allow the power feed and up/down to be operated at the same time without nuisance tripping of the breaker. Order kit #024235.

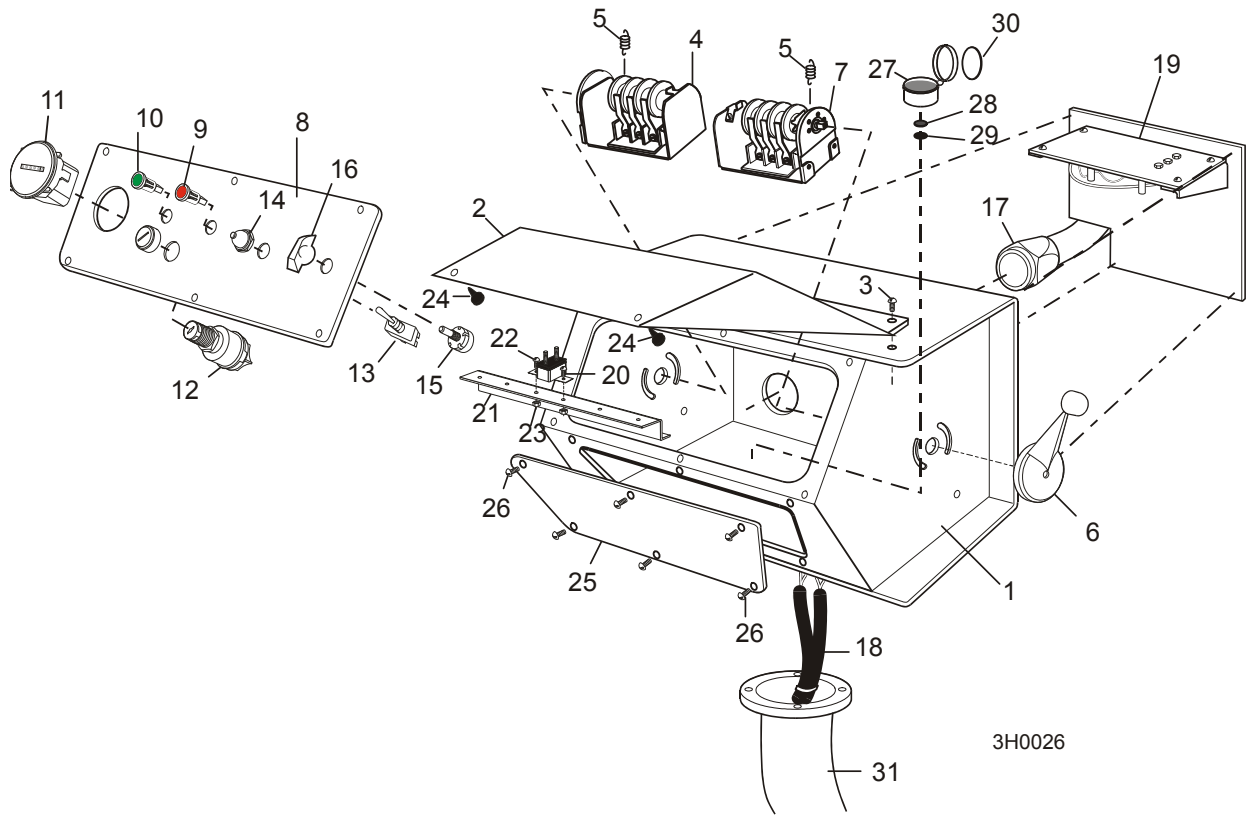


FIG. 4-1

# 4

## Control & Battery Boxes

Control Assembly, (G.S.)

4.2 Control Assembly, (G.S.)				
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>CONTROL BOX ASSEMBLY, G24S</b>	A11986-W	1	
	<b>CONTROL BOX ASSEMBLY, E15S</b>	A11987-W	1	
	<b>CONTROL BOX ASSEMBLY, D20S</b>	A12131-W	1	
1	Box Weldment, Sawmill Control	W11621 <sup>1</sup>	1	
2	Cover, Control Box Hinged	W11636	1	
3	Rivet, 3/16" x 1/4" Aluminum Pop	F04203-7 <sup>2</sup>	3	
4	Switch, Power Feed Drum (G.S.)	N/A	1	
5	Spring, Drum Switch	P12570	1	
6	Handle, Drum Switch Replacement	P12500	1	
7	Switch, Up/Down Drum	E20440	1	
5	Spring, Drum Switch	P12570	1	
6	Handle, Drum Switch Replacement	P12500	1	
	Panel Assembly, Control Front (G24s, D20s, E15s)	A20448	1	
8	Panel (With Alternator Label)	S11632-1	1	◆
9	Light, 12v Red Alternator Indicator	P04986 <sup>3</sup>	1	
10	Light, 12v Green Indicator	P20436 <sup>4</sup>	1	
11	Meter, Hour	P09631	1	
12	Switch, Key	P04350	1	
13	Switch, Toggle	P10006	1	
14	Boot, Toggle Switch Rubber	P02575	1	
15	Switch Assembly, Feed Rate	024450-1 <sup>5</sup>	1	
16	Knob, Feed Rate With Set Screw	P06257	1	
17	Harness, Upper G24s Wiring	A20447	1	
	Harness, Upper E15s Wiring	A20450	1	
	Harness, Upper D20s Wiring	A12159	1	
18	Harness, Lower G24s/E15s Wiring	A20476	1	
	Harness, Lower D20s Wiring	A12157	1	
19	Circuit Board Assembly, Power Feed	024495 <sup>6</sup>	1	
	Module Assembly, 92-96 Power Feed Mosfet	024540 <sup>7</sup>	1	
	Module Assembly, 92-96 SMT Power Feed Control	024396-96 <sup>7</sup>	1	
	Suppressor Assembly, Power Feed	052294 <sup>8</sup>	1	
	Capacitor Assembly, Power Feed Filter	052365	1	
	Diode Assembly, Power Feed Replacement	052363	1	
	Breaker Assembly (G.S.), Sawmill Control Circuit	A20429	1	
	20	Breaker, 15 Amp Manual Reset	E20430	3
21	Breaker, 30 Amp Manual Reset	E20431	1	
22	Breaker, 50 Amp Manual Reset	E20432	1	
23	Bracket, Circuit Breaker	S11656-N	1	
24	Screw, #8-32 X 1/2" Slotted Head	F05004-12	8	



25	Nut, #8-32 Hex Self-Locking	F05010-41	8	
26	Pad, Rubber Bumper	P08184	4	
27	Panel, Control Box Front Access	S11625	1	
28	Screw, #10-24 x 1/2" Pan Head	F05015-17	6	
	Cup Assembly, Drum Switch Grease	A20463	1	
29	Cup, Plastic Container	P20464	1	◆
30	Pad, Velcro Loop	P20466	1	◆
31	Pad, Velcro Hook	P20465	1	◆
32	Decal, Grease Cup Label	P20467	1	
	Grease, High Temp Drum Switch	P20468	.025 Lb	◆
33	<b>TUBE, CONTROL BOX MOUNT</b>	W11640	1	

- <sup>1</sup> Replaces W11622-W on Rev. C4 - D2 (LT30) & C5 - D3(LT40). Also order access panel S11625 & six screws F05015-17.  
<sup>2</sup> Replaces #10-24 x 1/2" screw (F05015-17) & #10-24 nut (F05010-14)C4 - E5 (LT30) & C5 - E6 (LT40).  
<sup>3</sup> Replaces P20480 on Rev. C7 - C9 (LT30) & C8 - D1 (LT40). Includes E20482 red light, wire, terminals, and instructions.  
<sup>4</sup> Replaces P20481 on Rev. C7 - C9 (LT30) & C8 - D1 (LT40). Includes E20483 green light, wire, terminals, and instructions.  
<sup>5</sup> Replaces A20437 and 015408 originally supplied.  
<sup>6</sup> Replaces A20428 originally supplied before 4/99. New assembly includes LED indicator lights for easier troubleshooting. Modularized components and surface mount technology improve durability and power capability.  
<sup>7</sup> Modules apply to 024495 power feed control only.  
<sup>8</sup> Suppressor Assembly 052294 added 6/05 to protect feed circuit.

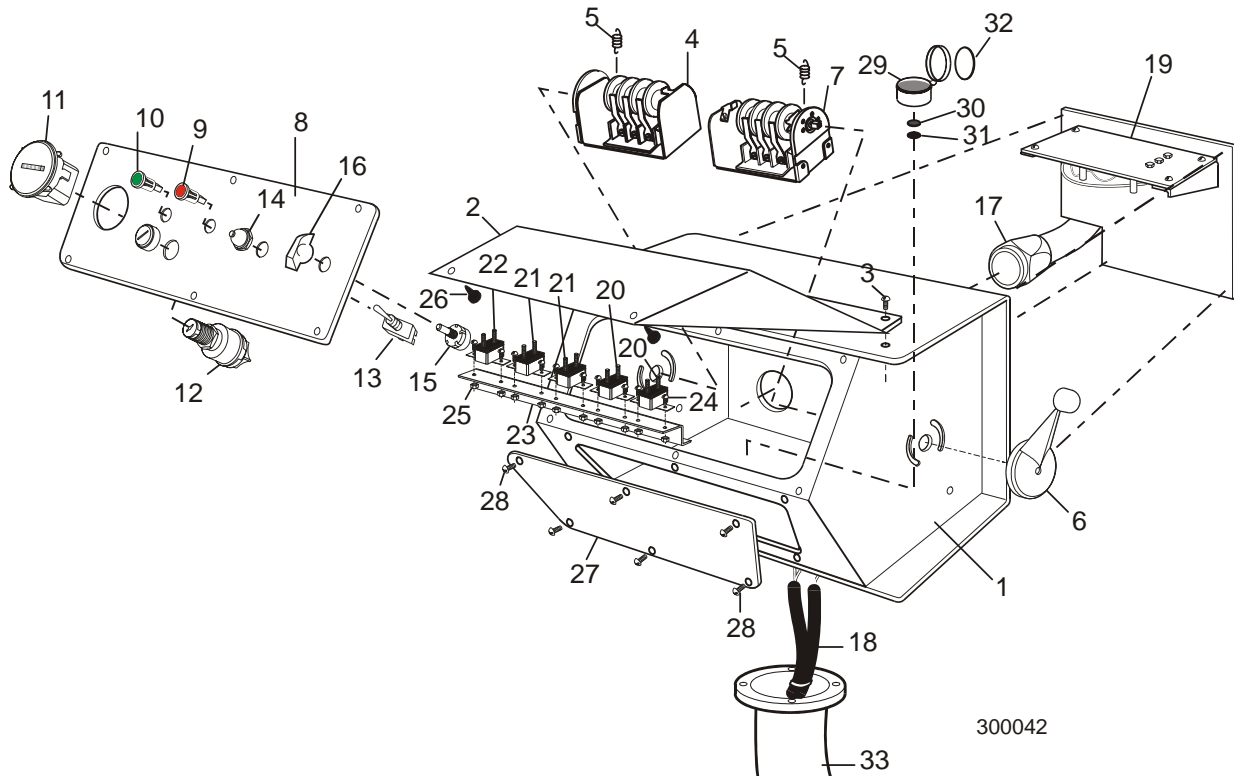


FIG. 4-2

## 4

## Control &amp; Battery Boxes

Battery Box Assembly (G18/G24/E15)

4.3 Battery Box Assembly (G18/G24/E15)				
LT30		Rev. D9 - F3		
LT40		Rev. E1 - F4		
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART NUMBER	QTY.	
1	BATTERY, 524MFD TYPE 24 DEKA DRY	P09725-1	1	
	BOX ASSEMBLY, 524 BATTERY (U.S. G18/G24/E15 MODELS)	A11939	1	
	BOX ASSEMBLY, 524S BATTERY (G.S. G24S/E15S MODELS)	A11979	1	
2	Terminal, Battery	P05085	2	
3	Washer, Battery Terminal	P12161	1	
4	Retainer Loop, Battery	P09790	1	
5	Washer, 5/16" SAE Flat	F05011-17	2	
6	Nut, 5/16-18 Hex Nylon Lock	F05010-58	2	
7	Bolt, 3/8-16 X 4" Hex Head Grade 2	F05007-4	2	
8	Washer, 3/8" SAE Flat	F05011-3	2	
9	Washer, 3/8" External Star	F05011-36	2	
10	Nut, 3/8" Hex Nylon Lock	F05010-10	2	
11	Washer, 1/4" SAE Flat	F05011-11	2	
12	Nut, 1/4-20 Wing	F05010-13	2	
13	Box Weldment, Battery	W11951	1	
14	Pad, Fuse Box Insulator	S11944	1	
	Fuse Block Replacement Kit	A12381	1	
	Fuse Block Assembly	A12380-W	1	◆
15	Buss Bar Weldment	W12388	1	
16	Fuse Block	S12383	1	
17	Nut, #10-24 Cadmium Plated Weld	S12391	1	
18	Nut, 1/4-20 Cadmium Plated Weld	S12392	1	
19	Stud Weldment, 1/4-20 Fuse	W12389	1	
20	Stud Weldment, #10-24 Fuse	W12390	1	
21	Nut, #10-24 Hex Lock	F05010-42	1	
22	Bolt, 1/4-20 X 3/4" Hex Head Full Thread	F05005-1	2	
23	Fuse Link, 12 Volt 100 Amp	P11549	1	
24	Washer, #10 SAE Flat	F05011-18	2	
25	Nut, #10-24 Hex Self-Locking	F05010-14	2	
26	Nut, 1/4-20 Hex Self-Locking	F05010-9	2	
27	Bushing, Fuse Post Insulator	S12387 <sup>1</sup>	1	
28	Washer, 5/16" Split Lock	F05011-13	1	
29	Bolt, 5/16-18 X 1/2" Hex Head	F05006-46	1	
30	Cover, Fuse Box	S11950	1	
31	Screw, #10-24 X 1/2" Self-Tapping	F05015-7	4	
32	Grommet, 5/8" Rubber Wire (U.S. Models)	P11764	4	
	Grommet, Sealed Rubber Nipple (G.S. Models)	P11945	4	
33	Grommet, Heyco Wire	P04137	2	

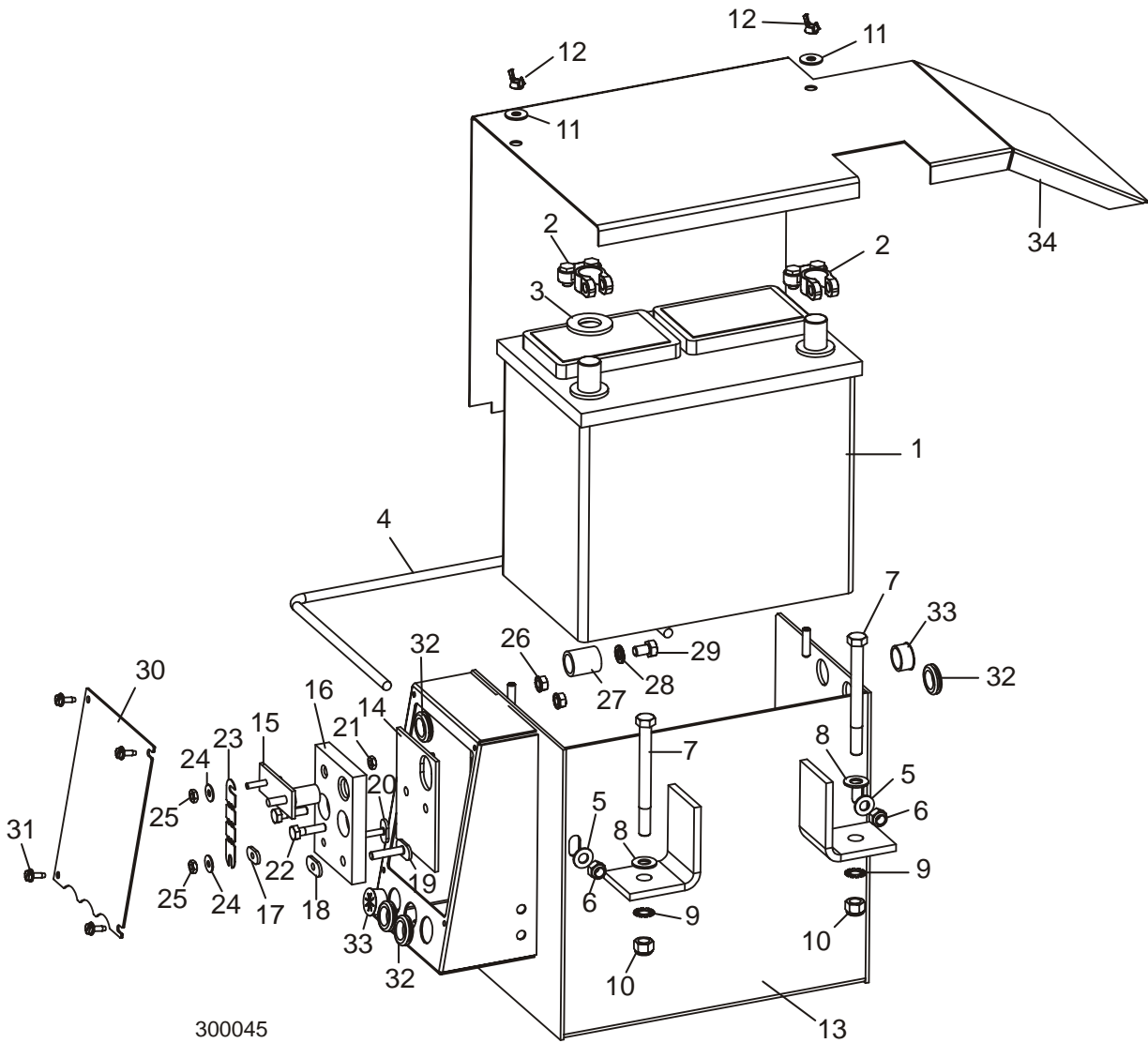
# Control & Battery Boxes

## Battery Box Assembly (G18/G24/E15)

**4**

34	LID, BATTERY BOX	S10447	1
----	------------------	--------	---

<sup>1</sup> S12387 Replaces S12387-W originally supplied before 11/95.



**FIG. 4-3**

## 4

## Control &amp; Battery Boxes

## Battery Box Assembly (G18/G24/E15)

4.4 Battery Box Assembly (G18/G24/E15)				
LT30		Rev. C8 - D8		
LT40		Rev. C9 - D9		
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART NUMBER	QTY.	
1	BATTERY, 524MFD TYPE 24 DEKA DRY	P09725-1 <sup>1</sup>	1	
	BOX ASSEMBLY, 524 BATTERY (U.S. G18/G24/E15 MODELS)	A11939	1	
	BOX ASSEMBLY, 524S BATTERY (G.S. G24S/E15S MODELS)	A11979	1	
2	Terminal, Battery	P05085	2	
3	Washer, Battery Terminal	P12161 <sup>2</sup>	1	
4	Retainer Loop, Battery	P09790	1	
5	Washer, 5/16" SAE Flat	F05011-17	2	
6	Nut, 5/16-18 Hex Nylon Lock	F05010-58	2	
7	Bolt, 3/8-16 X 4" Hex Head Grade 2	F05007-4	2	
8	Washer, 3/8" SAE Flat	F05011-3	2	
9	Washer, 3/8" External Star	F05011-36	2	
10	Nut, 3/8" Hex Nylon Lock	F05010-10	2	
11	Washer, 1/4" SAE Flat	F05011-11	2	
12	Nut, 1/4-20 Wing	F05010-13	2	
13	Box Weldment, Battery	W11951	1	
14	Pad, Fuse Box Insulator	S11944	1	
15	Stud, #10-24 x 2 3/4" Terminal	S11954 <sup>3</sup>	1	◆
16	Fuse Block	S11943-W <sup>3</sup>	1	◆
17	Bolt, 1/4-20 X 3/4" Hex Head Full Thread	F05005-1	2	
18	Bolt, #10-24 x 1 1/4 Hex Head	F05004-19	1	
19	Washer, #10 SAE Flat	F05011-18	7	
20	Nut, #10-24 Hex Self-Locking	F05010-14	6	
21	Fuse Link, 12 Volt 100 Amp	P11549	1	
22	Cover, Fuse Box	S11950	1	
23	Screw, #10-24 X 1/2" Self-Tapping	F05015-7	4	
24	Grommet, Heyco Wire	P04137	2	
25	Grommet, 5/8" Rubber Wire (U.S. Models)	P11764	4	
	Grommet, Sealed Rubber Nipple (G.S. Models)	P11945	4	
26	Nut, 1/4-20 Hex Self-Locking	F05010-9	2	
27	Bushing, Fuse Terminal Insulator	S11940 <sup>3</sup>	1	◆
28	Decal, 12V Warning	P10364	1	
29	Decal, Fuse ID	S12003	1	
30	LID, BATTERY BOX	S10447	1	

<sup>1</sup> P09725-1 Dry battery replaces P09725. Wood-Mizer is not able to ship batteries containing electrolyte.

<sup>2</sup> Protective terminal washer added to positive battery terminal after 5/92 to prevent corrosion.

<sup>3</sup> Replace all fuse mounting components with fuse block upgrade A12381 to insure good electrical contact. [See Section 4.3.](#)

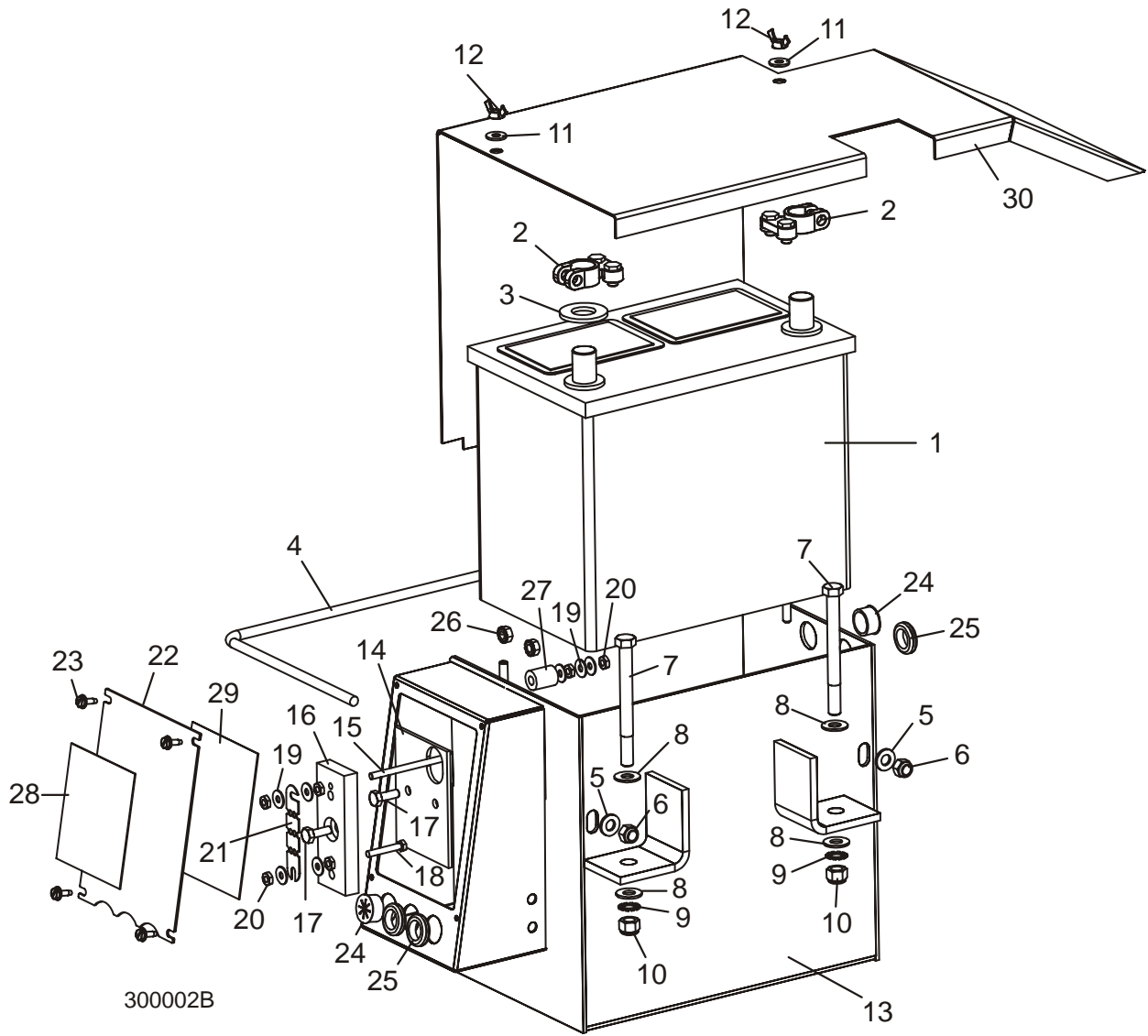


FIG. 4-4

# 4

## Control & Battery Boxes Battery Box Assembly (G18/G24/E15)

4.5 Battery Box Assembly (G18/G24/E15)				
LT30		Rev. C4 - C7		
LT40		Rev. C5 - C8		
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART NUMBER	QTY.	
	<b>BOX ASSEMBLY, 524 BATTERY (G18/G24/E15 MODELS)</b>	K10440 <sup>1</sup>	1	◆
1	Battery, 524MFD Type 24 Deka	P09725-1 <sup>2</sup>	1	
2	Terminal, Battery	P05085	2	
3	Washer, Battery Terminal	P12161 <sup>3</sup>	1	
4	Retainer Loop, Battery	P09790	1	
5	Washer, 5/16" SAE Flat	F05011-17	2	
6	Nut, 5/16-18 Hex Nylon Lock	F05010-58	2	
7	Bolt, 3/8-16 X 4" Hex Head Grade 2	F05007-4	2	
8	Washer, 3/8" SAE Flat	F05011-3	2	
9	Washer, 3/8" External Star	F05011-36	2	
10	Nut, 3/8" Hex Nylon Lock	F05010-10	2	
11	Washer, 1/4" SAE Flat	F05011-11	2	
12	Nut, 1/4-20 Wing	F05010-13	2	
13	Box Weldment, Battery	W10442 <sup>1</sup>	1	◆
14	Cover, Fuse Box '91 Flat Fuse Box	S11554	1	
15	Screw, #10-24 X 1/2" Self-Tapping	F05015-7	4	
16	Grommet, 5/8" Rubber Wire	P11764	1	
17	Grommet, 1" Rubber Wire	P11765	2	
18	Grommet, Heyco Wire	P04137	3	
	Fuse Kit, 1992 Flat Box Service	O15982 <sup>4</sup>	1	
19	Pad, Fuse Box Insulator	S11695	1	
20	Fuse Block, '91 Flat Box	S11747 <sup>5</sup>	1	
21	Bolt, 1/4-20 X 3/4" Hex Head Full Thread	F05005-1	2	
22	Bolt, #10-24 x 1 1/4 Hex Head	F05004-19	2	
23	Washer, #10 SAE Flat	F05011-18	8	
24	Nut, #10-24 Hex Self-Locking	F05010-14	4	
25	Fuse Link, 12 Volt 100 Amp	P11549	1	
26	Nut, 1/4-20 Hex Self-Locking	F05010-9	2	
27	Terminal, Battery	P05085	1	
	Cable, 1AWG SO Welding	R01971	.667 ft.	
	Terminal, 5/16" Ring #2 Gauge	F05092-16	1	
28	<b>LID, BATTERY BOX</b>	S10447	1	

<sup>1</sup> Obsolete part. Replace with new battery/fuse box assembly A11939. Also requires new lower control box harness ([See Section 4.1](#) or Section 4.2)

<sup>2</sup> P09725-1 Dry battery replaces P09725. Wood-Mizer is not able to ship batteries containing electrolyte.

<sup>3</sup> Protective terminal washer added to positive battery terminal after 5/92 to prevent corrosion.

<sup>4</sup> New service kit available 1/98. Includes Fuse Links and hardware for hydraulic and non-hydraulic sawmills.

<sup>5</sup> Replaces S11747-W and S11748-W. Block redesigned to accept 100 or 225 Amp fuses.

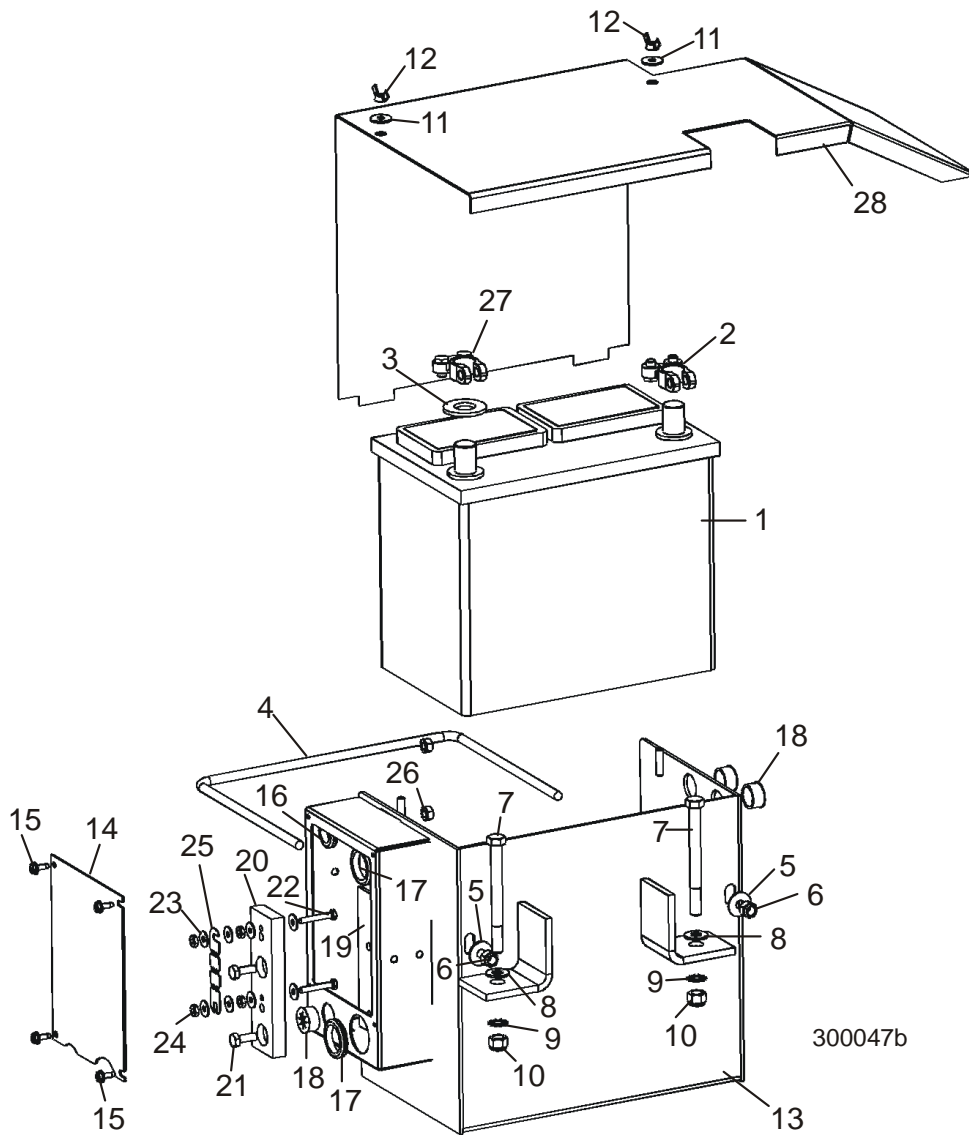


FIG. 4-5

## 4

## Control &amp; Battery Boxes

## Battery Box Assembly (D20)

4.6 Battery Box Assembly (D20)				
LT30		Rev. D9 - F3		
LT40		Rev. E1 - F4		
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART NUMBER	QTY.	
1	BATTERY, 875CC TYPE 24F DEKA	P12315 <sup>1</sup>	1	◆
	BOX ASSEMBLY, 875 BATTERY (U.S. D20 & G.S. D20s MODELS)	A12241	1	
2	Terminal, Battery	P05085	2	
3	Washer, Battery Terminal	P12161	1	
4	Retainer Loop, Battery	P09790	1	
5	Washer, 5/16" SAE Flat	F05011-17	2	
6	Nut, 5/16-18 Hex Nylon Lock	F05010-58	2	
7	Bolt, 3/8-16 X 4" Hex Head Grade 2	F05007-4	2	
8	Washer, 3/8" SAE Flat	F05011-3	2	
9	Washer, 3/8" External Star	F05011-36	2	
10	Nut, 3/8" Hex Nylon Lock	F05010-10	2	
11	Washer, 1/4" SAE Flat	F05011-11	2	
12	Nut, 1/4-20 Wing	F05010-13	2	
13	Box Weldment, Battery	W11951	1	
14	Pad, Fuse Box Insulator	S11944	1	
	Fuse Block Replacement Kit	A12381	1	
	Fuse Block Assembly	A12380-W	1	◆
15	Buss Bar Weldment	W12388	1	
16	Fuse Block	S12383	1	
17	Nut, #10-24 Cadmium Plated Weld	S12391	1	
18	Nut, 1/4-20 Cadmium Plated Weld	S12392	1	
19	Stud Weldment, 1/4-20 Fuse	W12389	1	
20	Stud Weldment, #10-24 Fuse	W12390	1	
21	Nut, #10-24 Hex Lock	F05010-42	1	
22	Bolt, 1/4-20 X 3/4" Hex Head Full Thread	F05005-1	2	
23	Fuse Link, 12 Volt 100 Amp	P11549	1	
24	Washer, #10 SAE Flat	F05011-18	2	
25	Nut, #10-24 Hex Self-Locking	F05010-14	2	
26	Fuse Link, 12 Volt 225 Amp	P11550	1	
27	Washer, 1/4" SAE Flat	F05011-11	2	
28	Nut, 1/4-20 Hex Self-Locking	F05010-9	2	
29	Bushing, Fuse Post Insulator	S12387 <sup>2</sup>	1	
30	Washer, 5/16" Split Lock	F05011-13	1	
31	Bolt, 5/16-18 X 1/2" Hex Head	F05006-46	1	
32	Cover, Fuse Box	S11950	1	
33	Screw, #10-24 X 1/2" Self-Tapping	F05015-7	4	
34	Grommet, Sealed Rubber Nipple	P11945	6	
	Boot, Red Battery Terminal	P11947	1	

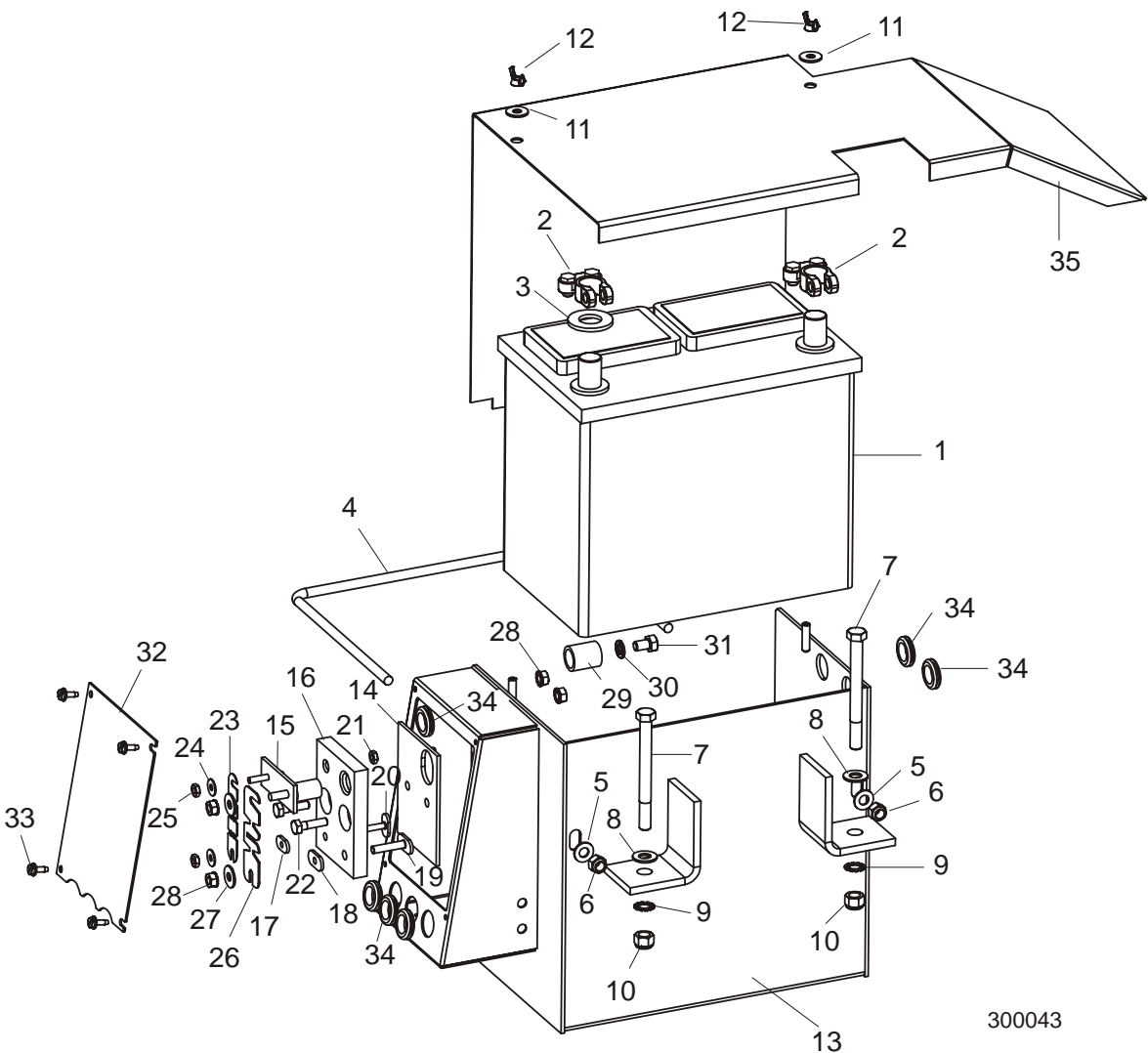


**Control & Battery Boxes**  
*Battery Box Assembly (D20)*



	Boot, 5/8" Black Battery Terminal	S11947	3	
	Boot, 3/8" Black Electrical Terminal	S11948	1	
<b>35</b>	<b>LID, BATTERY BOX</b>	S10447	1	

<sup>1</sup> P12315 Wet battery not available. Wood-Mizer is not able to ship batteries containing electrolyte.  
<sup>2</sup> S12387 Replaces S12387-W originally supplied before 11/95.



300043

**FIG. 4-6**

# 4

## Control & Battery Boxes

### Battery Box Assembly (D20)

4.7 Battery Box Assembly (D20)				
	<i>LT30</i>	<i>Rev. C8 - D8</i>		
	<i>LT40</i>	<i>Rev. C9 - D9</i>		
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART NUMBER	QTY.	
1	BATTERY, 875CC TYPE 24F DEKA	P12315 <sup>1</sup>	1	◆
	BOX ASSEMBLY, 875 BATTERY (U.S. D20 & G.S. D20s MODELS)	A12241 <sup>2</sup>	1	
2	Terminal, Battery	P05085	2	
3	Washer, Battery Terminal	P12161 <sup>3</sup>	1	
4	Retainer Loop, Battery	P09790	1	
5	Washer, 5/16" SAE Flat	F05011-17	2	
6	Nut, 5/16-18 Hex Nylon Lock	F05010-58	2	
7	Bolt, 3/8-16 X 4" Hex Head Grade 2	F05007-4	2	
8	Washer, 3/8" SAE Flat	F05011-3	2	
9	Washer, 3/8" External Star	F05011-36	2	
10	Nut, 3/8" Hex Nylon Lock	F05010-10	2	
11	Washer, 1/4" SAE Flat	F05011-11	2	
12	Nut, 1/4-20 Wing	F05010-13	2	
13	Box Weldment, Battery	W11951	1	
14	Pad, Fuse Box Insulator	S11944	1	
15	Stud, 1/4-20 x 2 1/2" Terminal	S11937	1	◆
16	Fuse Block	S11943-W	1	◆
17	Bolt, 1/4-20 X 3/4" Hex Head Full Thread	F05005-1	2	
18	Bolt, 1/4-20 x 1 1/4" Hex Head Full Thread	F05005-3	1	
19	Bolt, #10-24 x 1 1/4 Hex Head	F05004-19	2	
20	Washer, #10 SAE Flat	F05011-18	4	
21	Nut, #10-24 Hex Self-Locking	F05010-14	5	
22	Fuse Link, 12 Volt 100 Amp	P11549	1	
23	Cover, Fuse Box	S11950	1	
24	Screw, #10-24 X 1/2" Self-Tapping	F05015-7	4	
25	Fuse Link, 12 Volt 225 Amp	P11550	1	
26	Grommet, 5/8" Rubber Wire (U.S. Models)	P11764	6	
	Grommet, Sealed Rubber Nipple (G.S. Models)	P11945	6	
27	Nut, 1/4-20 Hex Self-Locking	F05010-9	9	
28	Bushing, Fuse Terminal Insulator	S11940	1	◆
29	Washer, 1/4" SAE Flat	F05011-11	7	
30	Buss Bar, '92 Fuse Block	S11941	1	◆
31	Weld Nut, #10-24	F05010-78	1	
32	Weld Nut, 1/4-20	F05010-40	1	
	Boot, Red Battery Terminal	P11947	1	
	Boot, 5/8" Black Battery Terminal	S11947	3	
	Boot, 3/8" Black Electrical Terminal	S11948	1	
33	LID, BATTERY BOX	S10447	1	

- <sup>1</sup> P12315 Wet battery not available. Wood-Mizer is not able to ship batteries containing electrolyte.
- <sup>2</sup> Battery removed from assembly 2/95. Wood-Mizer is not able to ship batteries containing electrolyte.
- <sup>3</sup> Protective terminal washer added to positive battery terminal after 5/92 to prevent corrosion.

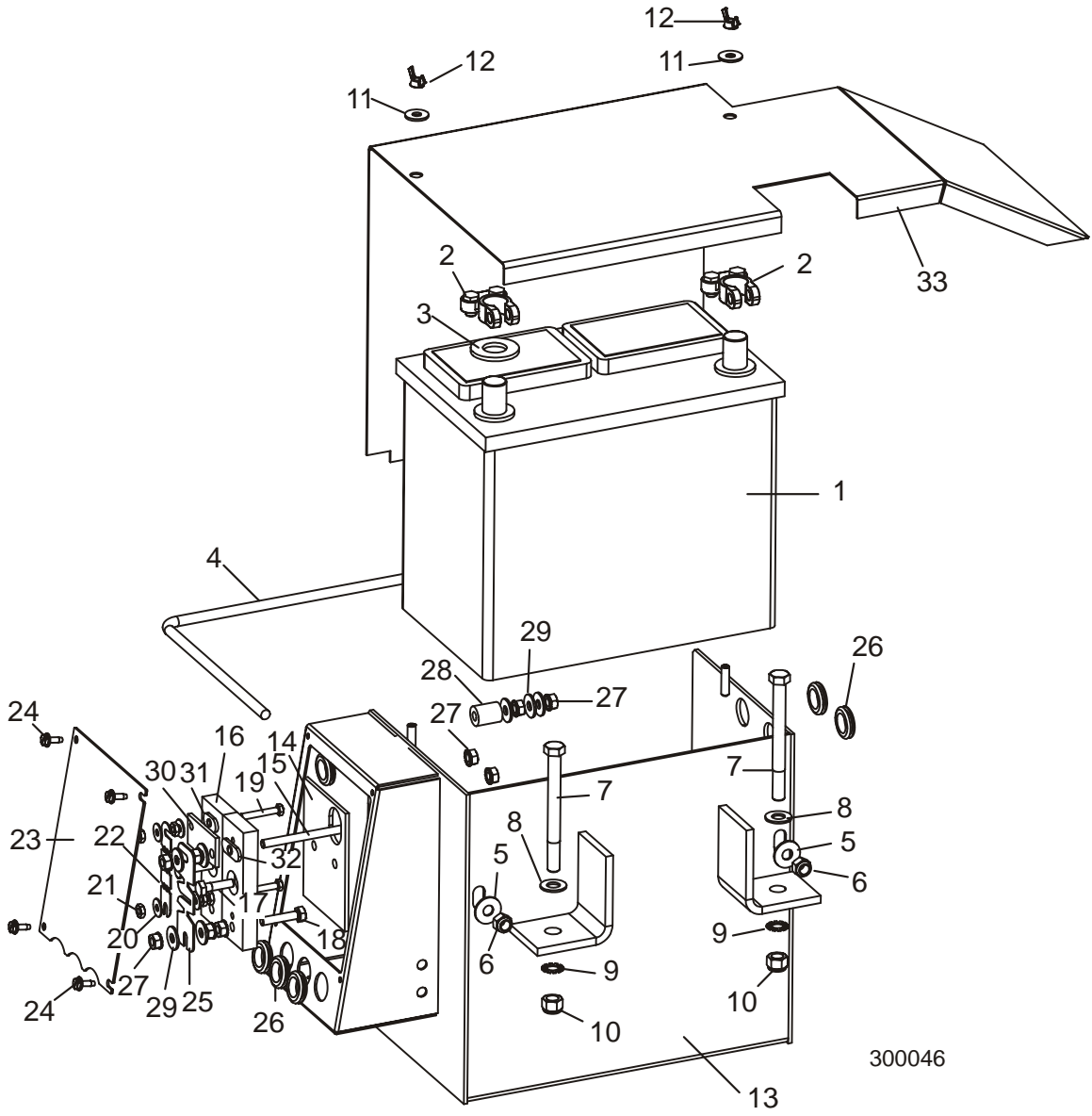


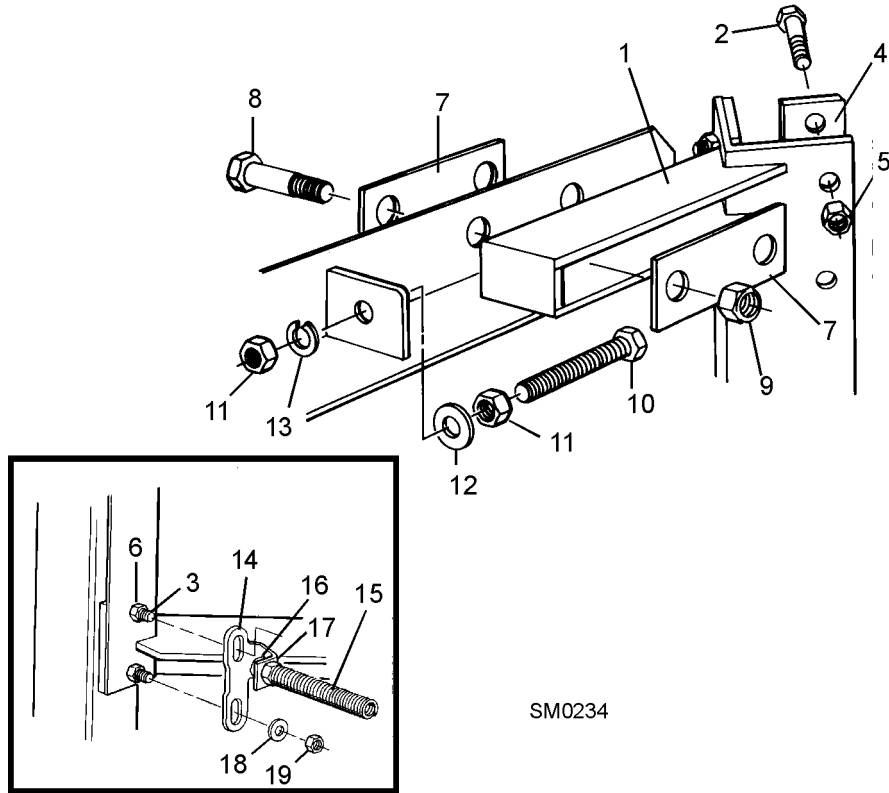
FIG. 4-7

## **SECTION 5 UP/DOWN SYSTEM & SCALES**

# 5 Up/Down System & Scales

## Saw Head V-Brace Mount

<b>5.1 Saw Head V-Brace Mount</b>				
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
1	V-BRACE, SAW HEAD MOUNT	W04099	1	
2	BOLT, 5/16-18 X 3/4" HEX HEAD GRADE 5	F05006-5	11	
3	BOLT, 5/16-18 X 1 1/4" HEX HEAD FULL THREAD	F05006-18	5	
4	PAD, PLASTIC SLIDE	M04096	8	
5	NUT, 5/16-18 NYLON LOCK	F05010-58	16	
6	NUT, 5/16-18 HEX	F05010-17	5	
7	PLATE, V-BRACE WASHER	S07935	4	
8	BOLT, 1/2-13 X 3" HEX HEAD	F05008-1	4	
9	NUT, 1/2-13 NYLON LOCK	F05010-8	4	
10	BOLT, 3/8-16 X 3" FULL THREAD	F05007-1	2	
11	NUT, 3/8-16 HEX	F05010-1	4	
12	WASHER, 3/8" SAE FLAT	F05011-3	2	
13	WASHER, 3/8" SPLIT LOCK	F05011-4	2	
	<b>SIGHT GAUGE KIT</b>	A10087	1	
	Sight Gauge Assembly	A09997	1	◆
14	Bracket, Sight Gauge Mount	S09998	1	◆
15	Spring, Sight Gauge	S10031	1	
16	Bolt, 3/8-16 X 2" Hex Head Full Thread	F05007-16	1	
17	Nut, 3/8-16 Hex Lock	F05010-25	1	
18	Washer, 5/16" SAE Flat	F05011-17	2	
19	Nut, 5/16-18 Hex Lock	F05010-6	2	
	Instruction Sheet, Sight Gauge	A10087-257	1	



SM0234

FIG. 5-1

# 5 Up/Down System & Scales

## Blade Height Scale

<b>5.2 Blade Height Scale</b>				
<b>LT30</b>		<b>Rev. C8 - F3</b>		
<b>LT40</b>		<b>Rev. C9 - F4</b>		
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>SCALE RETROFIT, FIXED WITH POINTER</b>	A12030	1	
	Scale Kit, Fixed With Pointer	K11998	1	◆
	Scale Assembly, Fixed	A12022	1	◆
1	Bracket, Scale Mounting	W11996 <sup>1</sup>	1	
2	Plate, Movable Scale Stop	036666 <sup>1</sup>	1	
3	Scale, 35" Quarter	S11989	1	
4	Decal, 35" Standard Quarter Scale	S11774	1	
	Decal, 35" Grade Hardwood Quarter Scale	P12819 <sup>2</sup>	1	
5	Scale, 35" Inch	S11988	1	
6	Decal, 35" Inch	S11773	1	
7	Strap, Scale Hold-Down	S04805	1	
8	Pin, 1/8" X 5/8" Roll	F05012-14	1	
9	Screw, 1/4-20 X 5/8" Wing	F05005-64	1	
10	Bolt, 1/4-20 X 3/4" Hex Head Full Thread	F05005-1	2	
11	Washer, 1/4" SAE Flat	F05011-11	1	
12	Washer, 1/4" X .020 Thick Nylon Flat	F05011-22	2	
13	Nut, 1/4-20 Hex Self-Locking	F05010-9	2	
14	Screw, 1/4-20 X 3/4" Flat Socket Head	F05005-70	1	
	Pointer Assembly, Fixed Scale	A12023	1	
15	Bracket, Fixed Scale Pointer Mount	S12245 <sup>3</sup>	1	◆
16	Pointer, Fixed Scale	017778 <sup>4</sup>	1	
17	Screw, #10-24 X 3/8" Phillips Head	F05004-3	2	
18	Nut, #10-24 Hex Self-Locking	F05010-14	2	
19	Bolt, 1/4-20 x 3/4" with Conical Washer	F05005-134	2	
20	Washer, 5/16" SAE Flat	F05011-17	2	
21	Nut, 5/16-18 Hex Lock	F05010-6	2	
	Bolt, 1/4-20 X 1/2" Hex Head Grade 2	F05005-15	1	
	Instruction Sheet, Fixed Scale Retrofit	A12030-370	1	
	<b>DECAL KIT, METRIC SCALE</b>	K12064	1	
	Decal, Metric	S11711	1	
	Decal, Metric 16-40mm	P12040-1	1	
	Decal, Metric 45-63mm	P12040-2	1	
22	<b>DECAL, CLUTCH HANDLE OPERATION</b>	P11779	1	

<sup>1</sup> Wing screw moved to side of scale mount and bracket 036666 added to eliminate possible interference with pointer (11/04). Use W11996 to service mount weldment (includes new bracket 036666).

<sup>2</sup> P12819 Grade Hardwood Quarter Scale Decal supplied on back of scale after 5/95.

<sup>3</sup> Replaces W11994 originally used through 8/92.

<sup>4</sup> Replaces W07267 and W07267-N originally supplied.

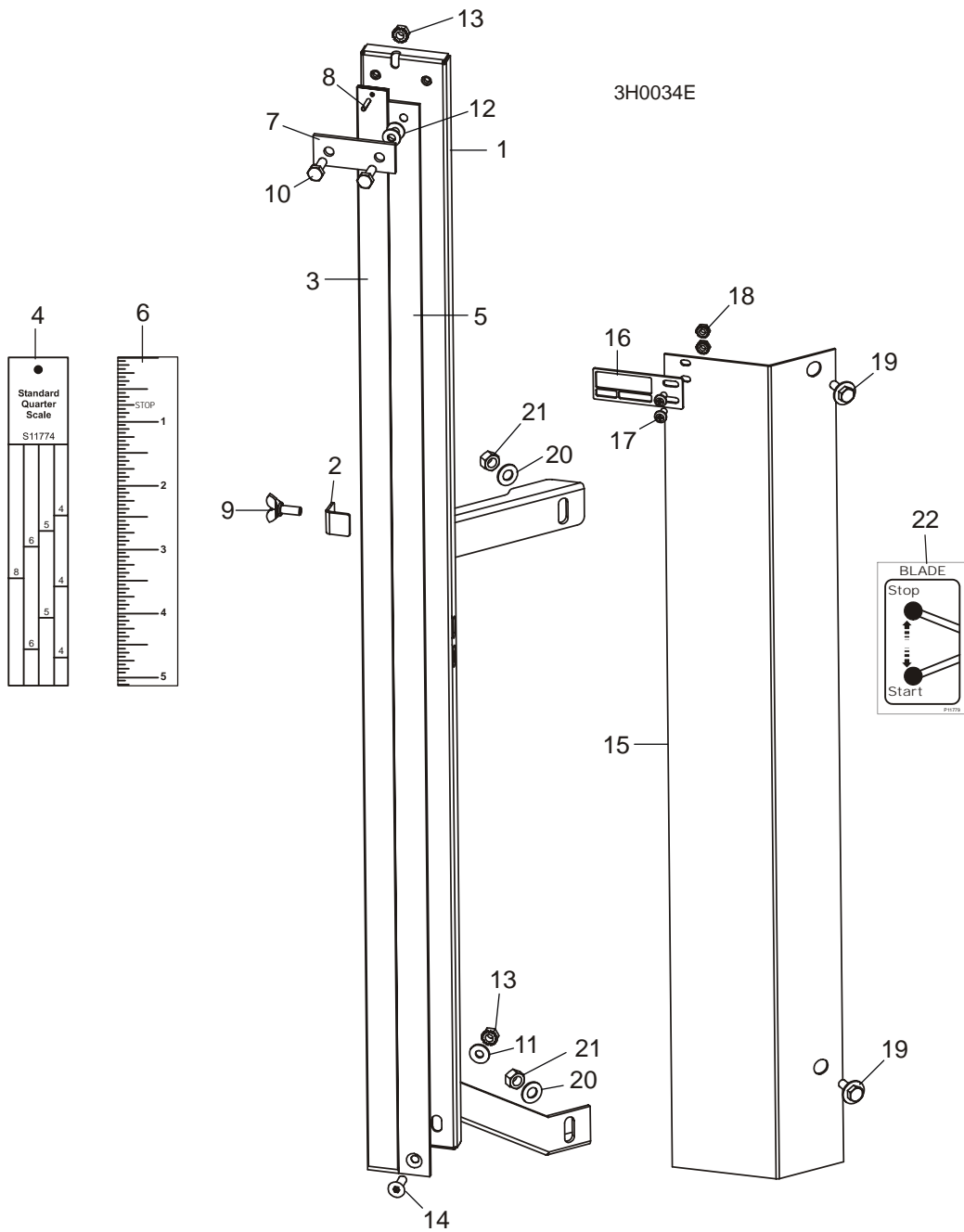


FIG. 5-2



# 5 Up/Down System & Scales

## Blade Height Scale

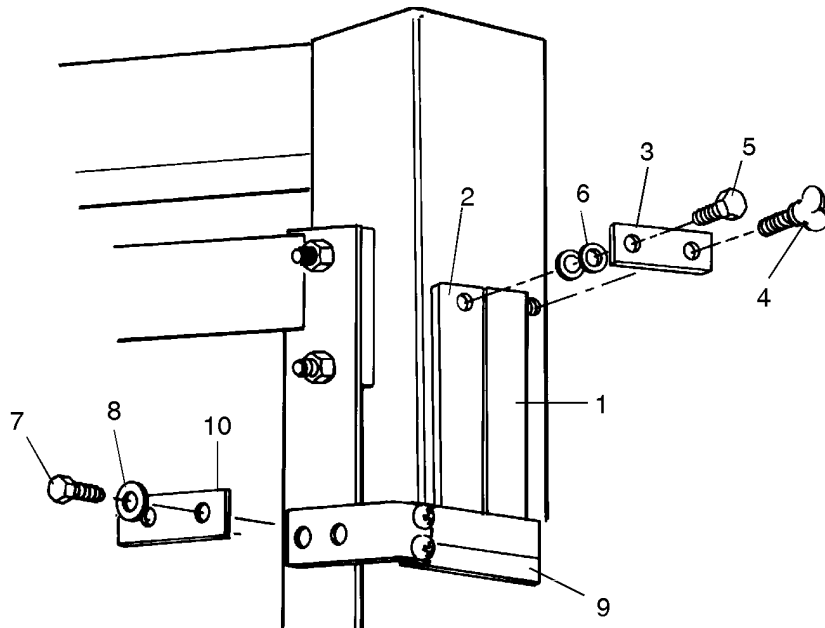
<b>5.3 Blade Height Scale</b>				
<b>LT30</b>		<b>Rev. C4 - C7</b>		
<b>LT40</b>		<b>Rev. C5 - C8</b>		
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>SCALE KIT, 35" BLADE HEIGHT</b>	K11594 <sup>1</sup>	1	◆
1	Scale, 35" Quarter	S11429 <sup>2</sup>	1	◆
	Decal, 35" Quarter Scale	P11039	1	
	Decal, Grade Hardwood Quarter	P12912	1	
	Decal, Quarter Scale w/o Shrinkage	P09473	1	
2	Scale, 35" Inch	S11428 <sup>3</sup>	1	◆
	Decal, 35" Inch (See Optional Metric Scale Below)	P11038	1	
3	Strap, Scale Hold-Down	S04805	2	
4	Screw, 1/4-20 X 5/8" Wing	F05005-64	2	
5	Screw, 1/4-20 x 1/2" Slotted Hex Head Self-Tapping	F05015-1	3	
6	Washer, 1/4" X .020 Thick Nylon Flat	F05011-22	4	
	Indicator Kit, Blade Height	K07709	1	
7	Bolt, 1/4-20 X 3/4" Hex Head Full Thread	F05005-1	2	
8	Washer, 1/4" SAE Flat	F05011-11	2	
9	Indicator Assembly, Blade Height	A07377	1	◆
	Indicator, Plastic Blade Height	017778 <sup>4</sup>	1	
	Bracket, Blade Height Indicator Mount	S07503	1	
	Screw, #10-24 x 3/8" Phillips Head	F05004-3	2	
	Nut, #10-24 Self-Locking	F05010-14	2	
10	Plate, Indicator Washer	S07527	1	
	<b>DECAL, METRIC 88 MM</b>	S11670	1	

<sup>1</sup> Scale Kit Not Available. Use Upgrade Kit A12030 as shown in [Section 5.2](#).

<sup>2</sup> Scale Not Available. Use S11989 with decal P11039.

<sup>3</sup> Scale Not Available. Use S11988 with decal P11038.

<sup>4</sup> Replaces W07267 and W07267-N originally supplied.



3H0059

FIG. 5-3

# 5 Up/Down System & Scales

## Up/Down Assembly

<b>5.4 Up/Down Assembly</b>				
<b>LT30</b>		<b>Rev. D1 - F3</b>		
<b>LT40</b>		<b>Rev. D2 - F4</b>		
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>UP/DOWN DRIVE ASSEMBLY</b>	A11585	1	
	Motor, Up/Down Replacement	A04367	1	
1	Motor, Up/Down External Brush	016706 <sup>1</sup>	1	◆
	Brush Kit, Up/Down Leeson Motor External	034002 <sup>2</sup>	1	
	Brush Kit, Up/Down Owosso Motor External	A12198 <sup>2</sup>	1	
2	Pulley, Up/Down Motor	S04338	1	
3	Screw, 1/4-28 X 3/8" Cup Point Set	F05005-24	1	
4	Washer, #10 SAE Flat	F05011-18	2	
5	Washer, #10 Split Lock	F05011-20	2	
6	Nut, #10-32 Hex	F05010-27	2	
7	Belt, 3L290 Ribbed V	P04349	1	
8	Pulley, 8" Up/Down	P04343	1	
9	Reducer, 60:1 Gear With Extended Shaft	016622 <sup>3</sup>	1	
10	Washer, 5/16" SAE Flat	F05011-17	2	
11	Washer, 5/16" Split Lock	F05011-13	2	
12	Bolt, 5/16-18 X 3/4" Hex Head Grade 5	F05006-5	2	
13	Bracket, Up/Down Motor Mount	W11587	1	
14	Bolt, 1/4-20 X 1 1/4" Hex Head Full Thread	F05005-3	1	
15	Nut, 1/4-20 Hex Self-Locking	F05010-9	1	
16	Sprocket, Up/Down Dual Chain	S07976	1	
17	Bearing, 3/4" I.D. Flanged	P11600	1	
18	<b>BOLT, 3/8-16 X 1 1/4" HEX HEAD GRADE 2</b>	F05007-2	4	
19	<b>WASHER, 3/8" SAE FLAT</b>	F05011-3	4	
20	<b>NUT, 3/8-16 HEX NYLON LOCK</b>	F05010-10	4	
21	<b>BOLT, 5/16-18 X 3/4" HEX HEAD GRADE 5</b>	F05006-5	4	
22	<b>WASHER, 5/16" SAE FLAT</b>	F05011-17	4	
23	<b>PLATE, UP/DOWN IDLER SPROCKET</b>	S09084	1	
24	<b>SPROCKET, UP/DOWN IDLER G1-40-41-17 5/8" BORE 17 TOOTH</b>	P04333 <sup>4</sup>	4	
25	<b>BOLT, 5/8-11 X 5" HEX HEAD GRADE 2</b>	F05009-6	2	
26	<b>WASHER, 5/8" SAE FLAT</b>	F05011-5 <sup>4</sup>	8	
27	<b>NUT, 5/8-11 HEX NYLON LOCK</b>	F05010-34	2	
	<b>CHAIN KIT, UP/DOWN REPLACEMENT</b>	014486	1	
28	Chain, #40 X 75.5" Up/Down	P11602	2	
29	Link, #40 Master	P04200	2	
	Instruction Sheet, Up/Down Chain Replacement	014487-492	1	
	<b>TENSIONER ASSEMBLY, UP/DOWN CHAIN</b>	A09046 <sup>5</sup>	1	
30	Bolt, 1/2-13 x 7 1/2" Hex Head Full Thread	F05008-87 <sup>6</sup>	1	◆

31	Bracket, Up/Down Chain Tensioner	014216	1	◆
32	Washer, 1/2" Split Lock	F05011-9	2	
33	Nut, 1/2-13 Hex	F05010-35	2	
<b>OIL, 8 OZ. MOBIL SHC634 BOTTLED SYNTHETIC GEAR</b>		L04869-4 <sup>7</sup>	1	

<sup>1</sup> Motor kit A04367 revised 10/01. Leeson motor 016706 replaces Leeson motor 034001 (12/00) and Owosso motor P12093 originally supplied.

<sup>2</sup> Use 034002 Brush Kit for Leeson motors supplied after 12/00. Use A12198 Brush Kit for Owosso motor originally supplied.

<sup>3</sup> Replaces P11692 gear box supplied. New gear box features alloy shaft to provide better durability.

<sup>4</sup> (4) 016366 Idler Sprocket Assemblies and (6) 016433 Spacers replace (4) P04333 Idler Sprocket Assemblies and (8) F05011-5 5/8" Flat Washers originally supplied (available 01/00; not shown).

<sup>5</sup> Assembly includes new bolt F05008-87 and bracket 014216. Assembly replaces original rod S04201, bracket S09053, roll pin F05012-11, and bracket retrofit kit A12037 originally supplied until 2/96.

<sup>6</sup> Replaces 014233 threaded rod/nut weldment previously supplied.

<sup>7</sup> 8 - 11 oz. required for complete oil replacement.

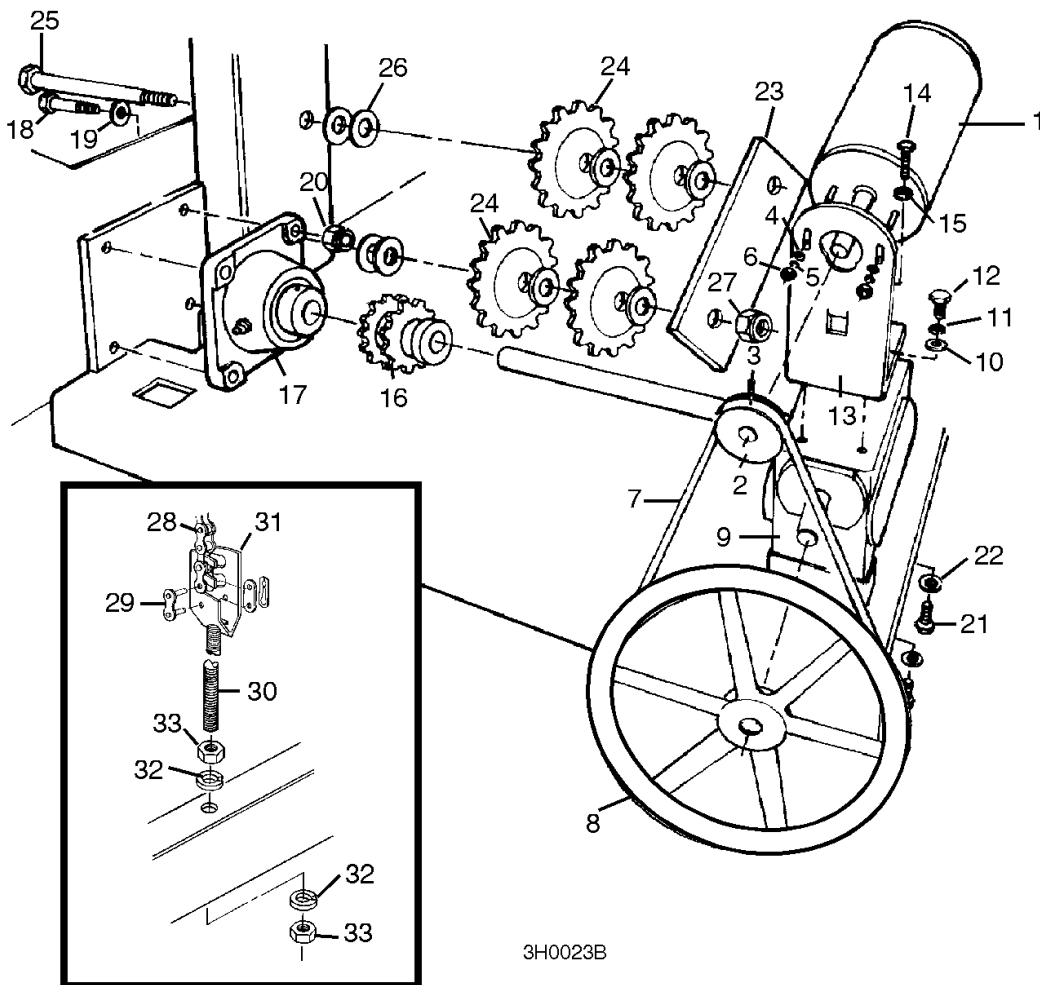


FIG. 5-4

# 5 Up/Down System & Scales

## Up/Down Assembly

<b>5.5 Up/Down Assembly</b>				
<b>LT30</b>		<b>Rev. C4 - C9</b>		
<b>LT40</b>		<b>Rev. C5 - D1</b>		
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>UP/DOWN DRIVE ASSEMBLY</b>	A11585	1	
	Motor, Up/Down Replacement	A04367	1	
1	Motor, Up/Down External Brush	016706 <sup>1</sup>	1	◆
	Brush Kit, Up/Down Leeson Motor External	034002 <sup>2</sup>	1	
	Brush Kit, Up/Down Owosso Motor External	A12198 <sup>2</sup>	1	
	Brush Kit, Up/Down Motor Internal	A07969 <sup>2</sup>	1	
	Brush Holder, Motor (Owosso Internal Brushes Only)	034000 <sup>2</sup>	1	◆
2	Pulley, Up/Down Motor	S04338	1	
3	Screw, 1/4-28 X 3/8" Cup Point Set	F05005-24	1	
4	Washer, #10 SAE Flat	F05011-18	2	
5	Washer, #10 Split Lock	F05011-20	2	
6	Nut, #10-32 Hex	F05010-27	2	
7	Belt, 3L290 Ribbed V	P04349	1	
8	Pulley, 8" Up/Down	P04343	1	
9	Reducer, 60:1 Gear With Extended Shaft	016622 <sup>3</sup>	1	
10	Coupler, Up/Down Shaft	S11597	1	
11	Screw, 1/4-20 x 3/4" Socket Head Cap	F05005-26	2	
12	Shaft, Up/Down Extension	S11598	1	
13	Washer, 5/16" SAE Flat	F05011-17	2	
14	Washer, 5/16" Split Lock	F05011-13	2	
15	Bolt, 5/16-18 X 3/4" Hex Head Grade 5	F05006-5	2	
16	Bracket, Up/Down Motor Mount	W11587	1	
17	Bolt, 1/4-20 X 1 1/4" Hex Head Full Thread	F05005-3	1	
18	Nut, 1/4-20 Hex Self-Locking	F05010-9	1	
19	Sprocket, Up/Down Dual Chain	S07976	1	
20	Bearing, 3/4" I.D. Flanged	P11600	1	
21	<b>BOLT, 3/8-16 X 1 1/4" HEX HEAD GRADE 2</b>	F05007-2	4	
22	<b>WASHER, 3/8" SAE FLAT</b>	F05011-3	4	
23	<b>NUT, 3/8-16 HEX NYLON LOCK</b>	F05010-10	4	
24	<b>BOLT, 5/16-18 X 3/4" HEX HEAD GRADE 5</b>	F05006-5	4	
25	<b>WASHER, 5/16" SAE FLAT</b>	F05011-17	4	
26	<b>PLATE, UP/DOWN IDLER SPROCKET</b>	S09084	1	
27	<b>SPROCKET, UP/DOWN IDLER G1-40-41-17 5/8" BORE 17 TOOTH</b>	P04333 <sup>4</sup>	4	
28	<b>BOLT, 5/8-11 X 5" HEX HEAD GRADE 2</b>	F05009-6	2	
29	<b>WASHER, 5/8" SAE FLAT</b>	F05011-5 <sup>4</sup>	8	
30	<b>NUT, 5/8-11 HEX NYLON LOCK</b>	F05010-34	2	
	<b>CHAIN KIT, UP/DOWN REPLACEMENT</b>	014486	1	

31	Chain, #40 X 75.5" Up/Down	P11602	2	
32	Link, #40 Master	P04200	2	
	Instruction Sheet, Up/Down Chain Replacement	014487-492	1	
<b>TENSIONER ASSEMBLY, UP/DOWN CHAIN</b>		A09046 <sup>5</sup>	1	
33	Bolt, 1/2-13 x 7 1/2" Hex Head Full Thread	F05008-87 <sup>6</sup>	1	◆
34	Bracket, Up/Down Chain Tensioner	014216	1	◆
35	Washer, 1/2" Split Lock	F05011-9	2	
36	Nut, 1/2-13 Hex	F05010-35	2	
<b>OIL, 8 OZ. MOBIL SHC634 BOTTLED SYNTHETIC GEAR</b>		L04869-4 <sup>7</sup>	1	

<sup>1</sup> Motor kit A04367 revised 10/01. Leeson motor 016706 replaces Leeson motor 034001 (12/00) and Owosso motor P12093 originally supplied.

<sup>2</sup> Use 034002 Brush Kit for Leeson motors supplied after 12/00. Use A12198 Brush Kit for Owosso motor supplied from 6/92-12/00. Use A07969 if sawmill equipped with original internal brush up/down motor. Brush Holder 034000 applies only to original motor and is no longer available (vendor discontinued 3/09).

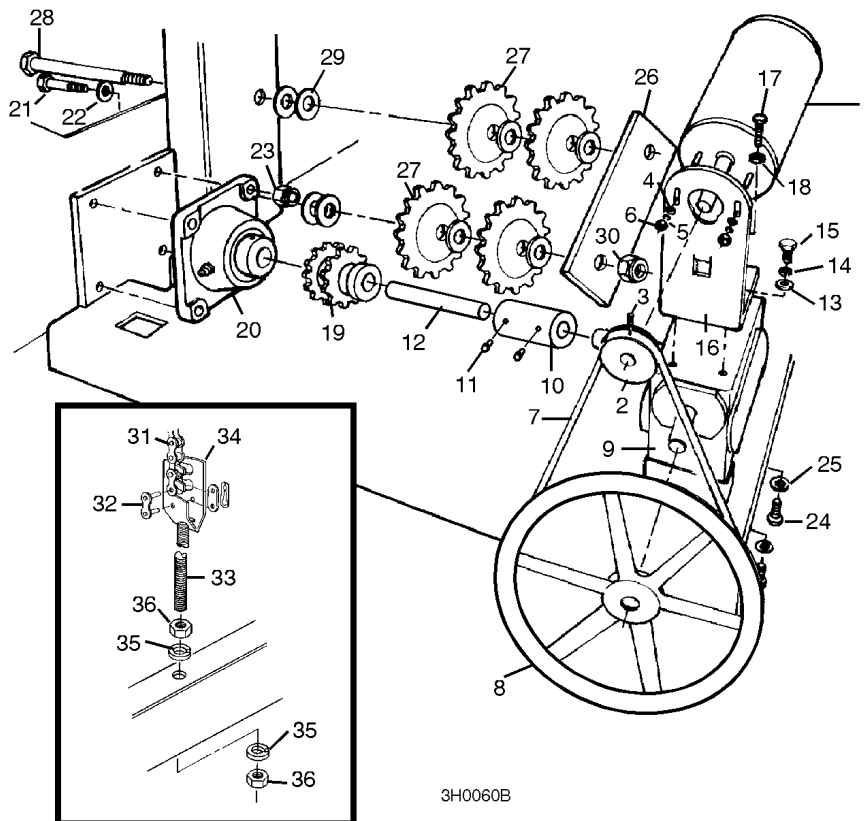
<sup>3</sup> Replaces P11692 gear box originally supplied. New gear box features alloy shaft to provide better durability. New gear reducer with extended shaft replaces P07977 reducer, coupler, and shaft extension originally supplied on Rev. C4 (LT30) & C5 (LT40).

<sup>4</sup> (4) 016366 Idler Sprocket Assemblies and (6) 016433 Spacers replace (4) P04333 Idler Sprocket Assemblies and (8) F05011-5 5/8" Flat Washers originally supplied (available 01/00; not shown).

<sup>5</sup> Assembly includes new bolt F05008-87 and bracket 014216. Assembly replaces original rod S04201, bracket S09053, roll pin F05012-11, and bracket retrofit kit A12037 originally supplied until 2/96.

<sup>6</sup> Replaces 014233 threaded rod/nut weldment previously supplied.

<sup>7</sup> 8 -11 oz. required for complete oil replacement.



**FIG. 5-5**

## SECTION 6 POWER FEED & TRACK ROLLERS

## 6

**Power Feed & Track Rollers***Upper Track Rollers And Wipers*

<b>6.1 Upper Track Rollers And Wipers</b>				
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
1	ROLLER, TRACK CAM BEARING	012797 <sup>1</sup>	1	
	FITTING, 3/16" 45° GREASE (FOR A05044 GREASABLE ROLLERS ONLY)	P05045	1	
2	ROLLER, TRACK CAM BEARING	012797 <sup>2</sup>	1	
	FITTING, 3/16" STRAIGHT GREASE (FOR A05043 GREASABLE ROLLERS ONLY)	P04107	1	
3	NUT, 5/8-18 HEX JAM	F05010-11	4	
4	COVER, MIDDLE TRACK OILER ASSEMBLY	A09918 <sup>3</sup>	1	
	Cover, Middle Track Oiler	S09917	1	◆
	Wiper, Middle Track Felt	S09915	1	
5	SCREW, 1/4-20 X 5/8" THUMB	F05005-64	4	
6	COVER, UPPER TRACK ROLLER REAR	S12532 <sup>4</sup>	1	
7	COVER, UPPER TRACK ROLLER FRONT	S12531 <sup>4</sup>	1	
8	WIPER, PLASTIC TRACK	M04113	2	
9	GUARD, FEED CHAIN SAWDUST	W11964 <sup>5</sup>	1	

<sup>1</sup> Use 012797 to replace P12843 or A05044 greasable rollers originally supplied.

<sup>2</sup> Use 012797 to replace P12843 or A05043 greasable rollers originally supplied.

<sup>3</sup> Cover redesigned with "dual-flange" to prevent sawdust buildup (3/97). Feed chain guard W11964 no longer required if A09918 is replaced with new design.

<sup>4</sup> Single-piece covers replace hinged housing/covers (S11691, S11701, & S11702) originally supplied on some equipment.

<sup>5</sup> Not available for Rev. C4 - C5 (LT30) & C5 - C6 (LT40). Feed chain guard W11964 no longer required if A09918 track oiler is replaced with new design (See Note #3).



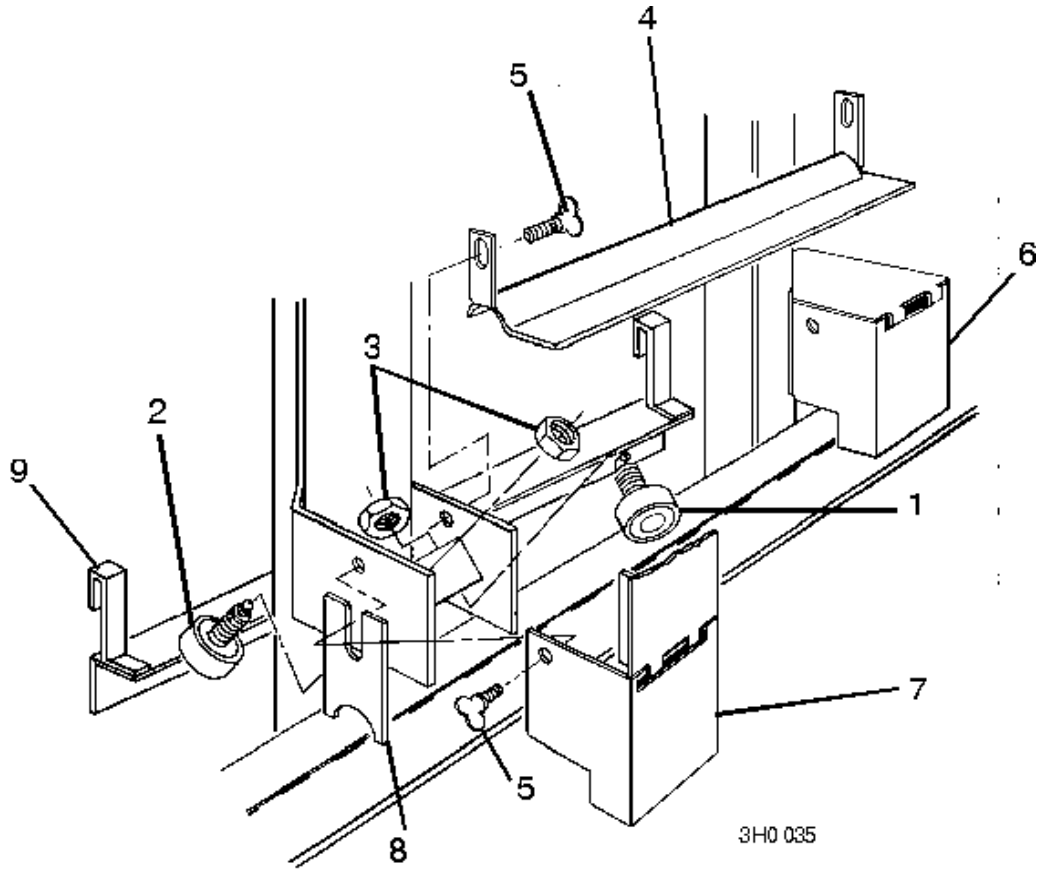


FIG. 6-1

<b>6.2 Power Feed Assembly</b>				
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>POWER FEED ASSEMBLY</b>	A11603	1	
1	Motor, Power Feed	006747 <sup>1</sup>	1	
	Brush Kit, 12V Motor (2008)	061794 <sup>1</sup>	1	
	Brush Kit, 12V Motor (2007)	006619 <sup>1</sup>	1	
	Brush Kit, 12V Motor	A09086 <sup>1</sup>	1	
	Brush Holder, Motor	034000 <sup>1</sup>	1	◆
2	Bracket, Power Feed Mount	W11605	1	
3	Bearing, 5/8" 6203-2NSL	P06030-1	2	
	Shaft Assembly, Power Feed with Key	016067 <sup>2</sup>	1	
4	Shaft, Power Feed With Sprocket	W11610	1	◆
5	Key, 3/16" Square x 1" Long	S31027	1	◆
6	Pulley, 8" Power Feed	P04343	1	
7	Belt, 4L280 V	P04031	1	
8	Pulley, Power Feed Motor	S09579 <sup>3</sup>	1	
9	Screw, 3/8-16 X 1/2" Cup Point Socket Set	F05007-12	1	
10	Bolt, 1/4-20 X 1" Hex Head Grade 5	F05005-101 <sup>4</sup>	3	
11	Washer, 1/4" Split Lock	F05011-14	3	
12	Washer, 1/4" SAE Flat	F05011-11	3	
13	Roller, Feed Chain	012797 <sup>5</sup>	1	
	Fitting, 3/16" x 45° Grease (For A05044 Greasable roller only)	P05045	1	
14	Washer, 5/8" SAE Flat	F05011-5	6	
15	Nut, 5/8-11 Hex Jam	F05010-11	1	
16	Guard, Power Feed Belt	W11613	1	
17	Washer, 1/4" Split Lock	F05011-14	2	
18	Bolt, 1/4-20 X 2 1/4" Hex Head Grade 2	F05005-32	2	
19	<b>BOLT, 3/8-16 X 3 1/2" HEX HEAD GRADE 8</b>	F05007-6	2	
20	<b>WASHER, 3/8" SPLIT LOCK</b>	F05011-4	2	
21	<b>WASHER, 3/8" SAE FLAT</b>	F05011-3	2	
	<b>CHAIN KIT, LT30 FEED</b>	K10408	1	
	<b>CHAIN KIT, LT40 FEED</b>	K10410	1	
22	Chain, #40 X 208.5" LT30 Feed	P10407 <sup>6</sup>	1	
	Chain, #40 X 260.5" LT40 Feed	P10409 <sup>7</sup>	1	
23	Link, #40 Master	P04200 <sup>8</sup>	2	
24	Rod, Feed Chain Tension	S09569	1	
25	Nut, 1/2-20 Hex Jam	F05010-16	2	
26	Washer, 1/2" Split Lock	F05011-9	2	
	<b>BRACKET KIT, CARRIAGE STOP AND FEED CHAIN</b>	K11820	1	
27	Bracket, Feed Chain Rear Mount	W11822 <sup>9</sup>	1	
28	Bolt, 1/2-13 X 1 1/2" Hex Head Grade 5	F05008-33	2	

29	Nut, 1/2-13 Hex Nylon Lock	F05010-8	2	
<b>STOP KIT, RUBBER CARRIAGE</b>		K09630	2	
30	Stop, Rubber Carriage	P12165	1	◆
31	Pin, Rubber Carriage Stop	W09293	1	
32	Pin, 3/16" X 1" Cotter	F05012-21	1	

<sup>1</sup> Motor 006747 replaces Motor 014359 supplied prior to 11/08. .6HP motor directly replaces .49HP motor P04140 (Discard end cap supplied with motor). Requires two rubber boots (P03807) to protect external motor terminals. Use brush kit 061794 for new motor. Motor 014359 changed by vendor 7/07. Use brush kit 006619 for newer 014359 motor (identified by red & black motor terminal spacers). Use brush kit A09086 for original motor supplied prior to 7/07. Brush Holder 034000 applies only to original motor and is no longer available (vendor discontinued 3/09).

<sup>2</sup> Square key replaces P04101-1 #606 Woodruff key. Shaft weldment modified to accommodate key chane (3/98).

<sup>3</sup> Replaces S09579-W originally supplied (part number change only).

<sup>4</sup> Replaces Grade 2 bolts F05005-38 originally supplied until 2/96.

<sup>5</sup> Use 012797 to replace greasable rollers A05044 and non-greasable rollers P12318 and P12843 originally supplied.

<sup>6</sup> Replaces #41 chain originally supplied until 7/91.

<sup>7</sup> Replaces #41 chain originally supplied until 7/91.

<sup>8</sup> Use P04176 #41 master link for feed chain originally supplied before 7/91.

<sup>9</sup> Replaced welded frame bracket after 7/91. Not retrofittable.

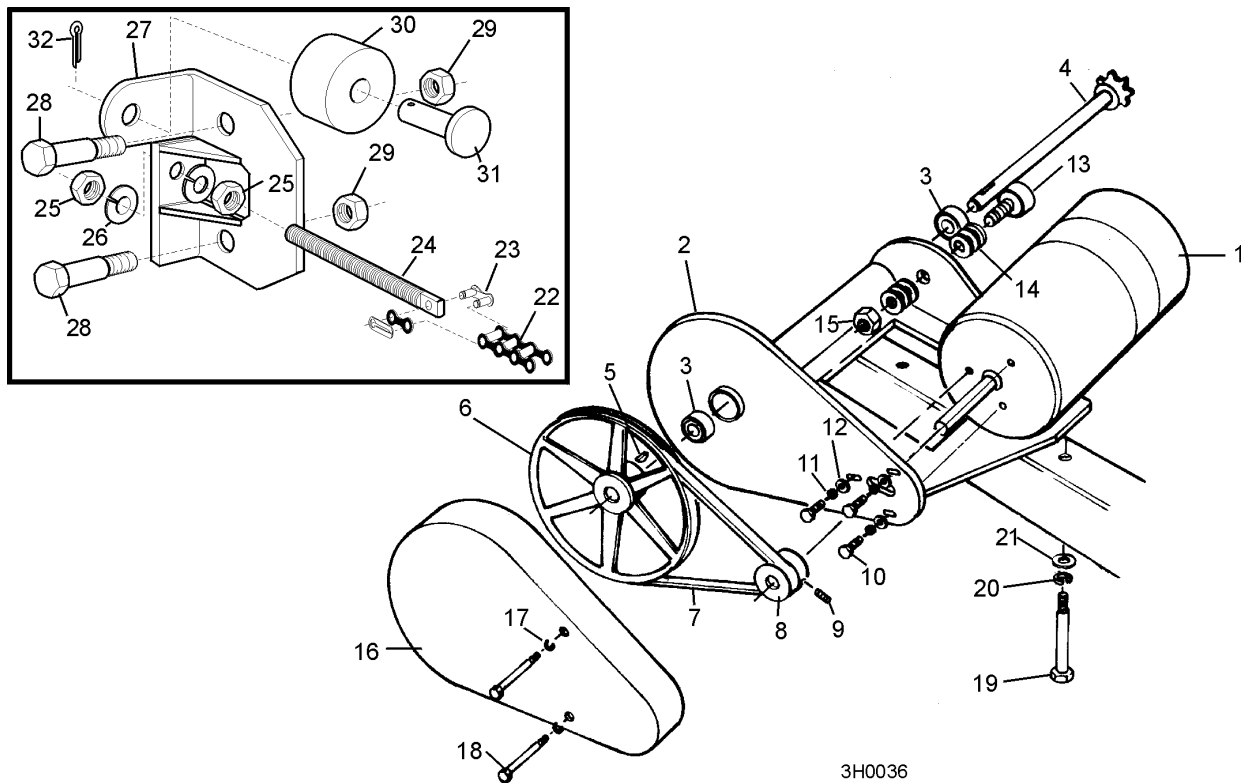


FIG. 6-2

# 6

## Power Feed & Track Rollers

### Lower Track Rollers

6.3 Lower Track Rollers				
<i>LT30</i>		<i>Rev. E5 - F3</i>		
<i>LT40</i>		<i>Rev. E6 - F4</i>		
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>ROLLER KIT, LOWER TRACK</b>	K07278	1	
	Roller Assembly, Lower Track	A04938	2	
1	Bracket, Lower Track Roller Mounting	W09001	1	◆
2	Roller, Track Cam Bearing	012797 <sup>1</sup>	1	
3	Fitting, 3/16" Straight Grease (For A05043 Greasable Rollers Only)	P04107	1	
4	Nut, 5/8-18 Hex Jam	F05010-11	1	
5	Nut, 5/8-11 Hex	F05010-5	2	
6	Washer, 5/8" Split Lock Grade 8	F05011-118 <sup>2</sup>	2	
7	Nut, 5/8-11 Hex Lock	F05010-4	2	
8	Bolt, 1/2-13 x 3 1/2" Hex Head Grade 5	F05008-61	2	
9	Nut, 1/2-13 Hex Lock	F05010-3	2	

<sup>1</sup> Use 012797 to replace P12843 or A05043 greasable rollers originally supplied.

<sup>2</sup> Grade 8 washers replace F05011-27 originally supplied to improve durability.

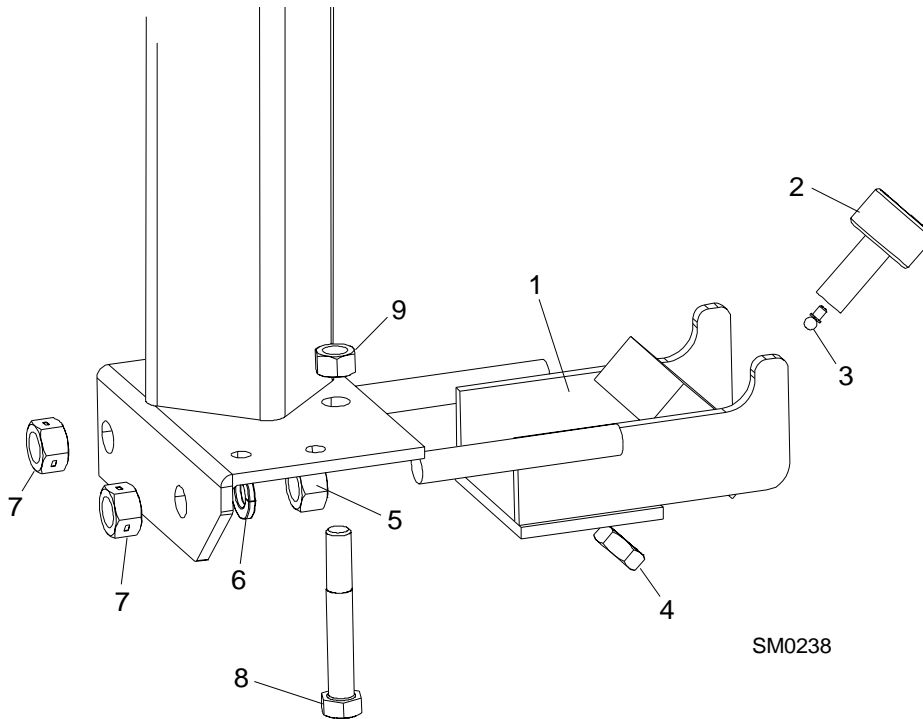


FIG. 6-3

6.4 Lower Track Rollers				
LT30		Rev. C4 - E4		
LT40		Rev. C5 - E5		
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>ROLLER KIT, LOWER TRACK</b>	K07278 <sup>1</sup>	1	
	Roller Assembly, Lower Track	A04938	2	
1	Bracket, Lower Track Roller Mounting	W09001	1	◆
2	Roller, Track Cam Bearing	012797 <sup>2</sup>	1	
3	Fitting, 3/16" Straight Grease (For A05043 Greasable Rollers Only)	P04107	1	
4	Nut, 5/8-18 Hex Jam	F05010-11	1	
5	Nut, 5/8-11 Hex	F05010-5	2	
6	Washer, 5/8" Split Lock	F05011-118 <sup>3</sup>	2	
7	Nut, 5/8-11 Hex Lock	F05010-4	2	
8	Bolt, 1/2-13 x 3 1/2" Hex Head Grade 5	F05008-61	2	
9	Washer, 1/2" SAE Flat	F05011-2	2	
10	Nut, 1/2-13 Hex Lock	F05010-3	2	
	<b>OILER ASSEMBLY, LOWER TRACK ROLLER</b>	A12375 <sup>4</sup>	1	
11	Bracket, Lower Track Roller Oiler	S12376	1	◆
12	Pad, Lower Track Roller Oiler Felt	S12378	1	

<sup>1</sup> Sawmills equipped with original lower track roller assemblies with sealed rollers (LT30 Rev. D4 - E4 and LT40 Rev. D5 - E5) should replace the lower roller assemblies using kit K07278 (See Section 6.3). The new roller/bracket assembly will secure the saw head to the track in the event of a track roller failure. Kit K07278 replaces K12580 kit originally supplied for 4/94 retrofit campaign.

<sup>2</sup> Use 012797 to replace P12843 or A05043 greasable rollers originally supplied.

<sup>3</sup> Grade 8 washers replace F05011-27 originally supplied to improve durability.

<sup>4</sup> Applicable to P12318 rollers only. See the Maintenance Section in the Operator's Manual for maintenance information on greasable and non-greasable rollers. See also Section 6.3.

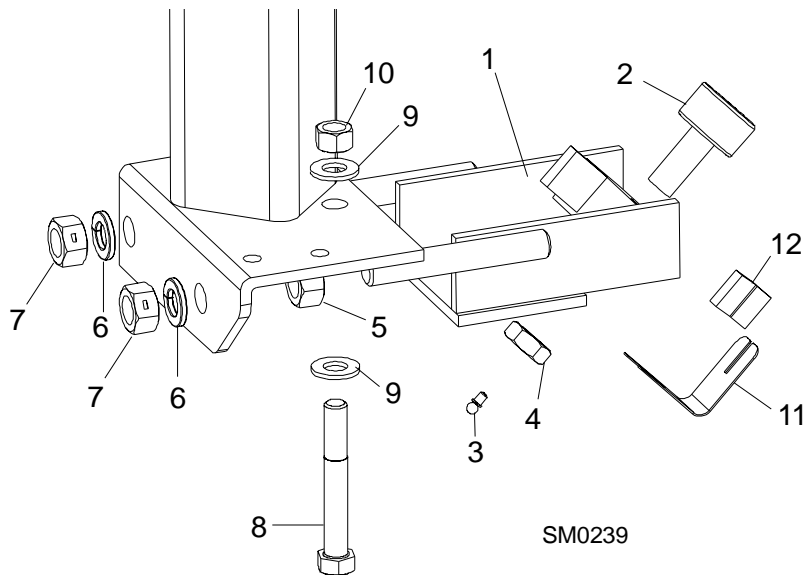


FIG. 6-4

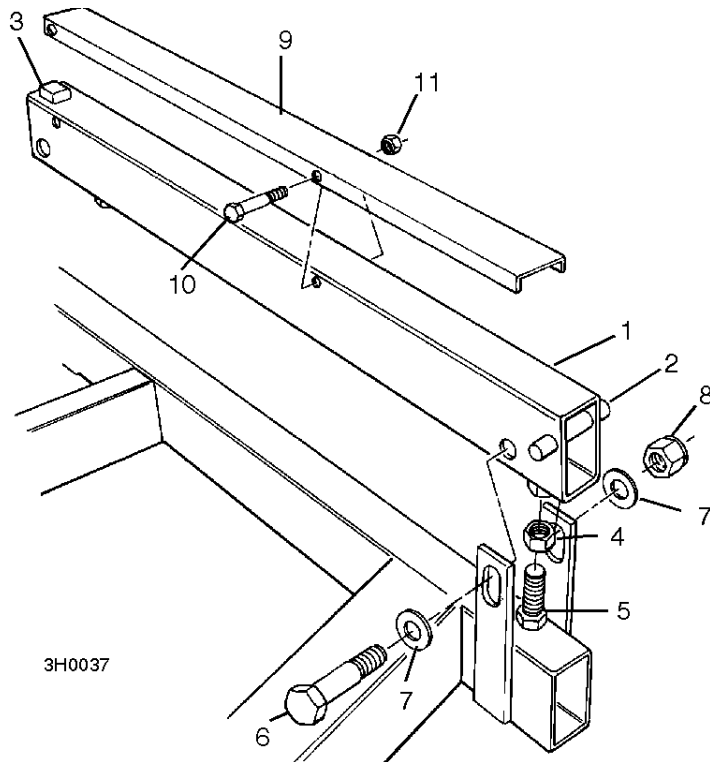
## SECTION 7 BED FRAME ASSEMBLY

# 7 Bed Frame Assembly

## Bed Rail Assembly, Front And Rear

<b>7.1 Bed Rail Assembly, Front And Rear</b>				
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>BED RAIL ASSEMBLY, REAR PAINTED</b>	A09774	1	
1	Bed Rail Tube, Long	S09102 <sup>1</sup>	1	◆
2	Pin, Ramp Mount	S04030	1	
3	Block, Log Stop	S09034	1	
	Bolt Assembly, Bed Rail	A09775	2	◆
4	Nut, 5/8-11 Hex	F05010-54	1	
5	Bolt, 5/8-11 X 2 1/2" Hex Head Full Thread	F05009-12	1	
	<b>BED RAIL ASSEMBLY, FRONT PAINTED</b>	A09564	1	
1	Bed Rail Tube, Long	S09102 <sup>1</sup>	1	◆
2	Pin, Ramp Mount	S04030	1	
3	Block, Log Stop	S09034	1	
	Tube, Ramp Retainer Mount	S09334	1	◆
	Bolt Assembly, Bed Rail	A09775	2	◆
4	Nut, 5/8-11 Hex	F05010-54	2	
5	Bolt, 5/8-11 X 2 1/2" Hex Head Full Thread	F05009-12	1	
6	<b>BOLT, 1/2-13 X 4" HEX HEAD</b>	F05008-26	4	
7	<b>WASHER, 1/2" SAE FLAT</b>	F05011-2	8	
8	<b>NUT, 1/2-13 NYLON LOCK</b>	F05010-8	4	
	<b>COVER ASSEMBLY, STAINLESS STEEL BED RAIL (LONG)</b>	A09956	2	
9	Cover, Stainless Steel Bed Rail	S09944	1	◆
10	Bolt, 5/16-18 X 2 1/2" Hex Head	F05006-10	3	
11	Nut, 5/16-18 Hex Lock	F05010-6	3	

<sup>1</sup> Replaces S09102-W for all mills.



**FIG. 7-1**



# 7 Bed Frame Assembly

## Bed Rail Assembly, Middle

<b>7.2 Bed Rail Assembly, Middle</b>				
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>BED RAIL ASSEMBLY, FRONT MIDDLE PAINTED</b>	A09566	1	
1	Bed Rail Tube, Short	S09103	1	◆
2	Pin, Ramp Mount	S04030	1	
	Bolt Assembly, Bed Rail	A09775	2	◆
3	Nut, 5/8-11 Hex	F05010-54	2	
4	Bolt, 5/8-11 X 2 1/2" Hex Head Full Thread	F05009-12	2	
	<b>BED RAIL ASSEMBLY, REAR MIDDLE PAINTED</b>	A09565	1	
1	Bed Rail Tube, Short	S09103	1	◆
2	Pin, Ramp Mount	S04030	1	
	Tube, Ramp Retainer Mount	S09334	1	◆
	Bolt Assembly, Bed Rail	A09775	2	◆
3	Nut, 5/8-11 Hex	F05010-54	2	
4	Bolt, 5/8-11 X 2 1/2" Hex Head Full Thread	F05009-12	2	
5	<b>BOLT, 1/2-13 X 4" HEX HEAD</b>	F05008-26	4	
6	<b>WASHER, 1/2" SAE FLAT</b>	F05011-2	8	
7	<b>NUT, 1/2-13 NYLON LOCK</b>	F05010-8	4	
	<b>COVER ASSEMBLY, STAINLESS STEEL BED RAIL (LONG)</b>	A09956	2	
8	Cover, Stainless Steel Bed Rail	S09944	1	◆
9	Bolt, 5/16-18 X 2 1/2" Hex Head	F05006-10	3	
10	Nut, 5/16-18 Hex Lock	F05010-6	3	

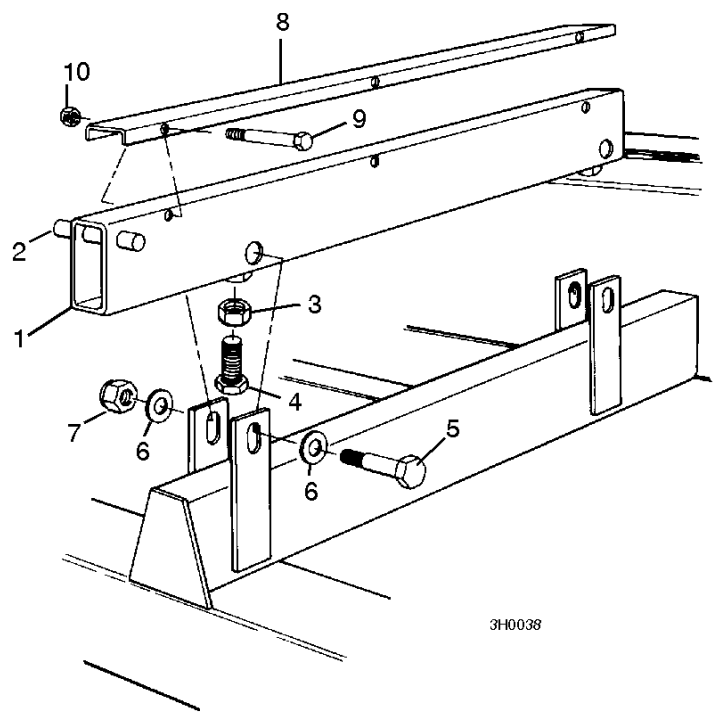


FIG. 7-2

# 7 Bed Frame Assembly

## Pivot Bed Rail Assembly

7.3 Pivot Bed Rail Assembly				
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>PIVOT BED RAIL COMPLETE KIT</b>	K06897	2	
	Pivot Bed Rail Assembly	A09435	1	◆
1	Pivot Bed Rail Weldment	W09320	1	◆
2	Bolt, 1/2-13 X 2 1/4" Hex Head Full Thread	F05008-2	1	
3	Washer, 1/2" Split Lock	F05011-9	1	
4	Nut, 1/2-13 Hex	F05010-35	1	
	Bag Assembly, Pivot Bed Rail	A06893	1	◆
5	Screw, 1/2-13 X 1" Socket Head Oval Point	F05008-9	1	
6	Screw, 1/2-13 X 1 1/2" Socket Head Flat Point	F05008-31	3	
7	Nut, 1/2-13 Hex Jam	F05010-31	3	
	Instruction Sheet, Pivot Bed Rail	K06897-270	1	
8	Bolt, 3/8-16 X 5" Hex Head	F05007-5	4	
9	Nut, 3/8-16 Nylon Lock	F05010-10	4	
	<b>COVER ASSEMBLY, STAINLESS STEEL PIVOT BED RAIL</b>	A09609	2	
10	Cover, Stainless Steel Pivot Bed Rail (Short)	S09252	1	◆
11	Bolt, 5/16-18 X 2 1/2" Hex Head	F05006-10	2	
12	Nut, 5/16-18 Hex Lock	F05010-6	2	
13	<b>NUT, 3/8-16 HEX LOCK (FOR G.S. APPLICATIONS ONLY)</b>	F05010-25	4	
14	<b>PLATE, PIVOT BED RAIL LOCK (FOR G.S. APPLICATIONS ONLY)</b>	S10424	2	

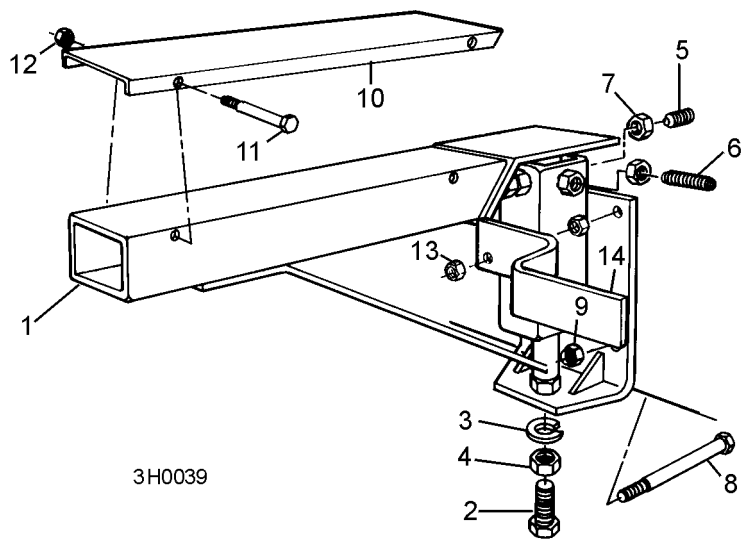


FIG. 7-3

### 7.4 Log Side Support Assembly

REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
1	<b>SUPPORT, LOG SIDE</b>	015235 <sup>1</sup>	4
	<b>MOUNTING KIT, LOG SIDE SUPPORT</b>	K09440	4
2	Pin, Log Side Support Pivot	W09238	1
3	Bolt, 1/4-20 X 1 1/2" Hex Head	F05005-5	2
4	Washer, 1/4" SAE Flat	F05011-11	4
5	Nut, 1/4-20 Self Locking	F05010-9	2
6	Plate, Log Side Support Clamping	S09224	2
7	Fitting, 3/16" Grease	P04107	1
8	Plate, Log Side Support End	S09148	1
9	Bolt, 1/2-13 X 3 1/2" Hex Head	F05008-15	2
10	Washer, 1/2" SAE Flat	F05011-2	3
11	Nut, 1/2-13 Hex Nylon Lock	F05010-8	3
12	Bolt, 1/2-13 X 1 1/2" Hex Head	F05008-4	1

<sup>1</sup> Replaces W12566 or unpainted W09401 originally supplied. Side support redesigned for added strength.

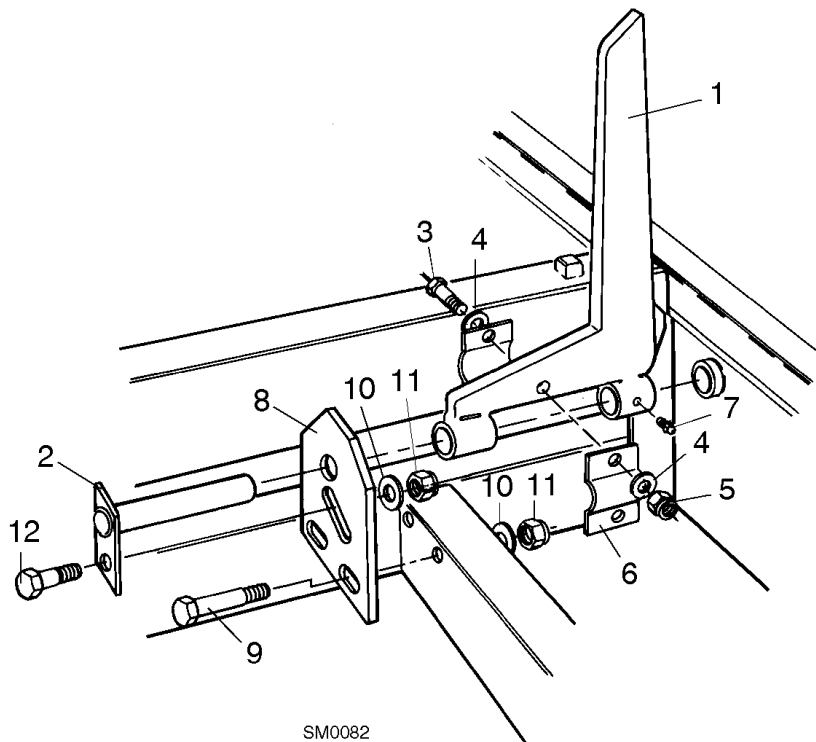
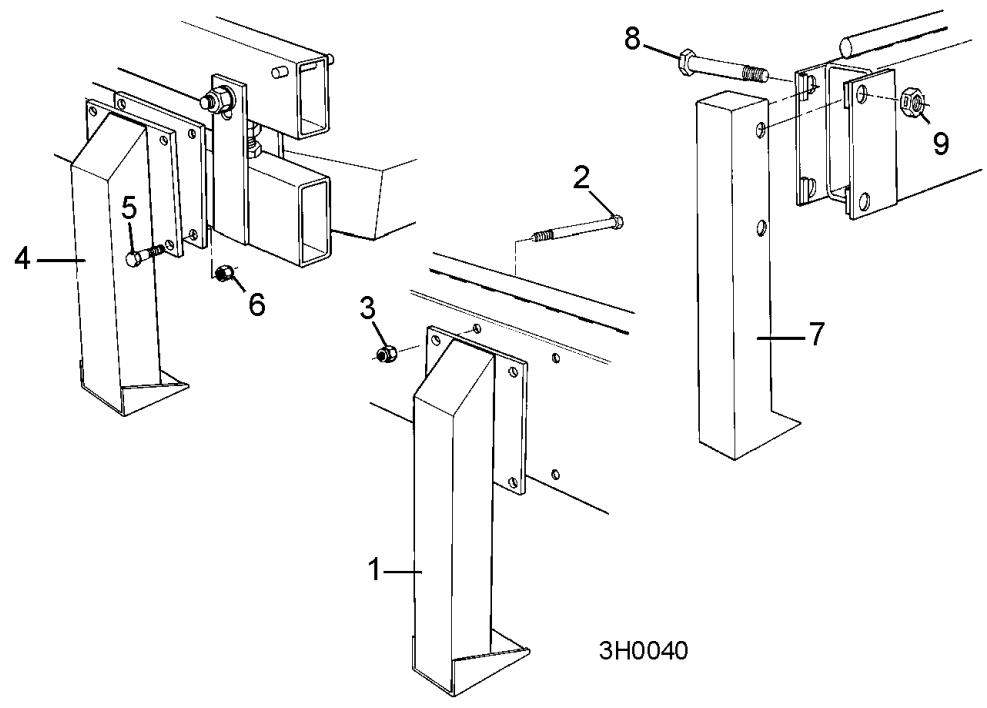


FIG. 7-4

# 7 Bed Frame Assembly

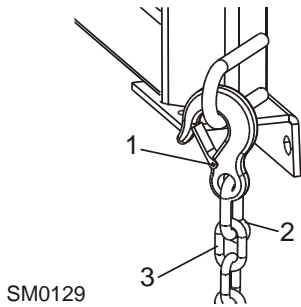
*Leg, Stationary*

<b>7.5 Leg, Stationary</b>			
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
1	LEG, LONG STATIONARY (2 REQ'D FOR LT30; 3 REQ'D FOR LT40)	W09513	2/3
2	BOLT, 3/8-16 X 5" HEX HEAD GRADE 2	F05007-5	8
	BOLT, 3/8-16 X 1" HEX HEAD GRADE 2 (REQ'D FOR REAR LT40 ONLY)	F05007-7	4
3	NUT, 3/8-16 HEX NYLON LOCK	F05010-10	8/12
4	LEG, SHORT STATIONARY	W09515	2
5	BOLT, 3/8-16 X 1" HEX HEAD GRADE 2	F05007-7	8
6	NUT, 3/8-16 HEX NYLON LOCK	F05010-10	8
7	LEG, LT40 FRONT STATIONARY	W09517	1
8	BOLT, 5/8-11 X 5 1/2" HEX HEAD GRADE 5	F05009-11	2
9	NUT, 5/8-11 HEX LOCK	F05010-4	2



**FIG. 7-5**

<b>7.6 Tie Down Chain Assembly</b>				
<b>REF</b>	<b>DESCRIPTION</b> (◆ Indicates Parts Available In Assemblies Only)	<b>PART #</b>	<b>QTY.</b>	
	<b>CHAIN ASSEMBLY, TIE DOWN</b>	A04376	1	
<b>1</b>	Hook, 5/8" Safety Chain	P12075	1	◆
<b>2</b>	Cold Shut, 3/8" Plain	P04772-2	1	◆
<b>3</b>	Chain, 5/16" Unplated	R02111	.938 ft.	◆



**FIG. 7-6**

## SECTION 8 LOG CLAMP

8.1 Log Clamp				
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
1	CLAMP, LOG	W09412	1	
2	CHAIN, LOG CLAMP	M04311	1	
3	BOLT, 3/8-16 X 1 1/4" HEX HEAD GRADE 2	F05007-2	1	
4	WASHER, 3/8" STANDARD FLAT	F05011-3	2	
5	NUT, 3/8-16 HEX NYLON LOCK	F05010-10	1	
6	SPRING, LOG CLAMP CHAIN	P09136	1	
7	PLATE, LOG CLAMP STOP	W09404	1	
8	BOLT, 1/2-13 X 1 1/2" HEX HEAD GRADE 5	F05008-33	2	
9	WASHER, 1/2" SAE FLAT	F05011-2	2	
10	NUT, 1/2-13 HEX NYLON LOCK	F05010-8	2	

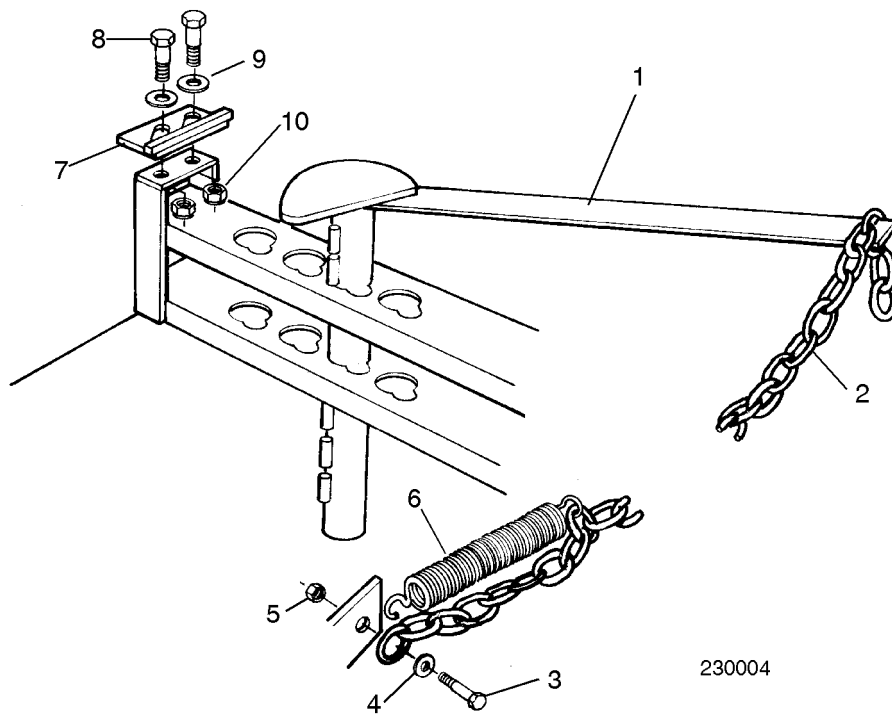


FIG. 8-1

---

**B**

battery box  
 replacement parts 4-6, 4-8, 4-10, 4-12, 4-14

bed rails  
 front/rear 7-2  
 middle 7-4  
 pivot 7-6

blade guide  
 drive side 2-4  
 idle side 2-2  
 throat screw 2-28

blade guide arm 2-14, 2-16

blade tensioner 2-12

blade wheel  
 drive side 2-6  
 idle side 2-8, 2-10

---

**C**

clamp 8-1

clutch/brake lever 2-18, 2-20, 2-22

control box 4-1, 4-4

covers 3-2

---

**D**

decals 3-1

---

**L**

legs  
 stationary 7-8

---

**P**

parts list  
 how to use 1-1

power feed 6-4

---

**S**

scale  
 blade height 5-4, 5-6

side supports 7-7

sight gauge 5-2

---

**T**

track rollers  
 lower 6-6, 6-7  
 upper 6-2

---

**U**

up/down 5-8, 5-10  
 v-brace mount 5-2

---

**W**

water lube  
 bottle/tray assembly 2-24