

# TUBE•LINE™

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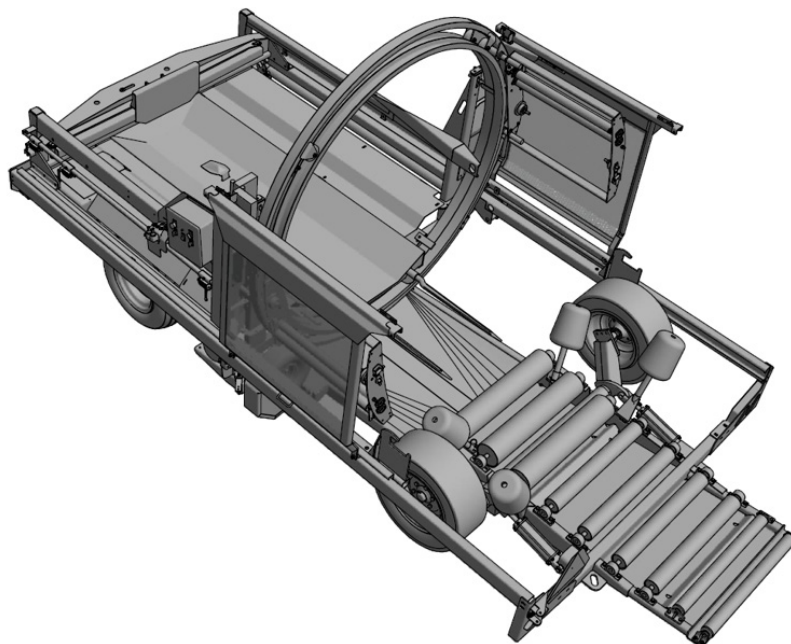
# Parts Manual

Keep this manual with the machine at all times.

## TLR5000AX2

Bale Wrapper

## TLR5000AX2



# Parts Manual

Thank you for choosing the Tubeline TLR5000AX2 Balewrapper.  
Our hope is that it will give you many years of productive service.  
This machine is designed to wrap bales in a continual line with plastic film.

## Warranty and Limitation of Liability

All equipment is sold subject to mutual agreement that it is warranted by the company to be free from defects of materials and workmanship. But the company shall not be liable for special, indirect or consequential, damages of any kind under this contract or otherwise. The company's liability shall be limited exclusively to replacing or repairing without charge, at its factory or elsewhere, at its discretion. Any material, or workmanship defects which become apparent within one year from the date on which the equipment was purchased, and the company shall have no liability for damages of any kind. The buyer by the acceptance of the equipment will assume all liability for any damages, which may result from the use or misuse by his employees or others.

Warranty coverage is null and void unless Warranty Registration form has been completely filled in and is on file at Tubeline Manufacturing Ltd.

## Serial Number

The implement serial number is located on the front left corner of the frame. *(See below)*

This number helps us to track changes and improvements and must be mentioned when ordering parts or requesting service. For your convenience, a space has been provided inside the front cover of this manual to record the serial number, model number, purchase date, and dealer name.

Model No: \_\_\_\_\_

Serial No: \_\_\_\_\_

Date Purchased : \_\_\_\_\_

Dealer Name : \_\_\_\_\_



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# Section 1 - Safety Decals

You can also check for a newer manual version at [www.tubeline.ca/support](http://www.tubeline.ca/support)



# Safety Decal Location



Rear Side Rail

(R) (C)



Rear

(S)



Safety Guard

(B)



Front

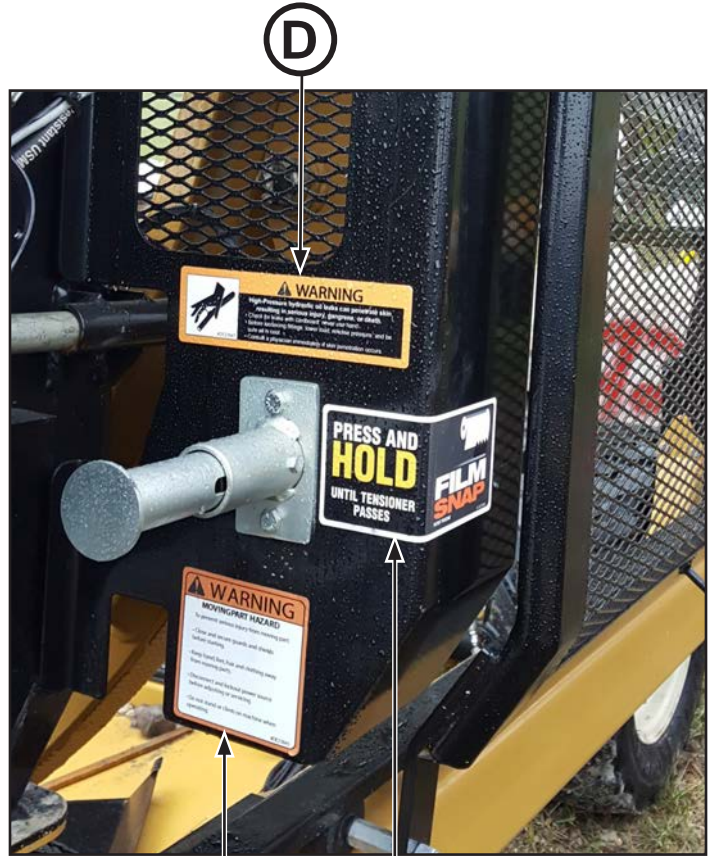
(H)



# Safety Decal Location



**A** **Q** **P** Control Panel



**B** **N** Door Mount



Left Side Deck **R** **T** **G**



**F** **O** Front Right Corner



Right Side Deck

## Safety Decal Illustrations

Item - A

Part # : DE23839



Item - B

Part # : DE23845



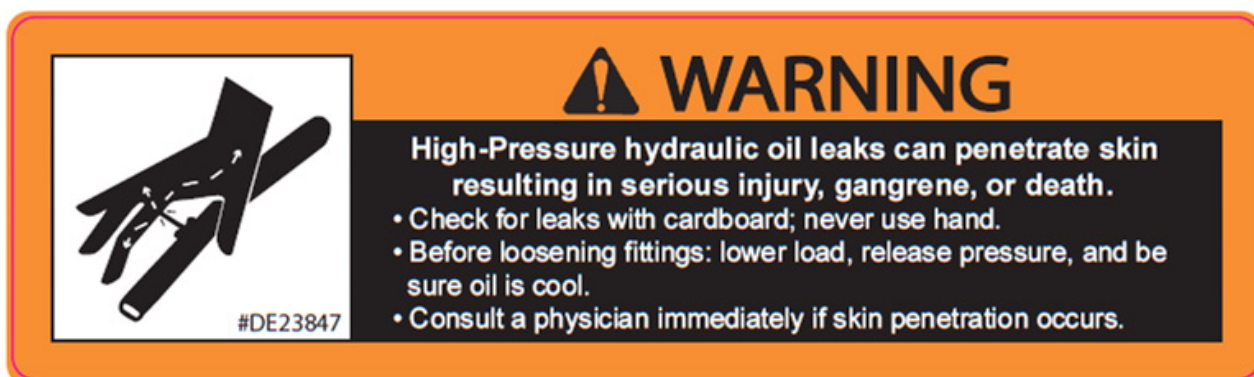
Item - C

Part # : DE23846



Item - D

Part # : DE23847





## Safety Decal Illustrations

Item - E

Part # : DE23939



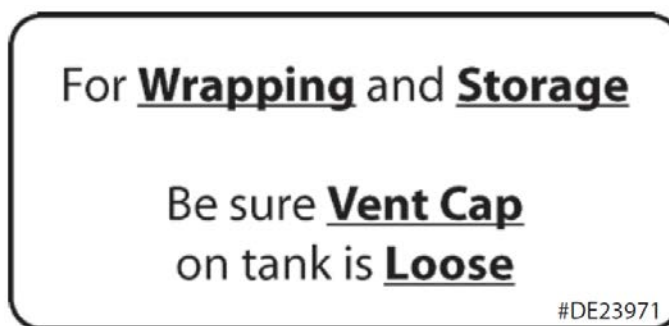
Item - F

Part # : DE23941



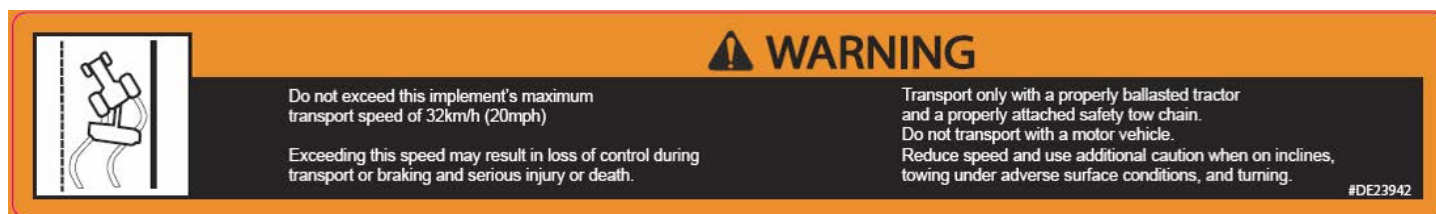
Item - G

Part # : DE23971



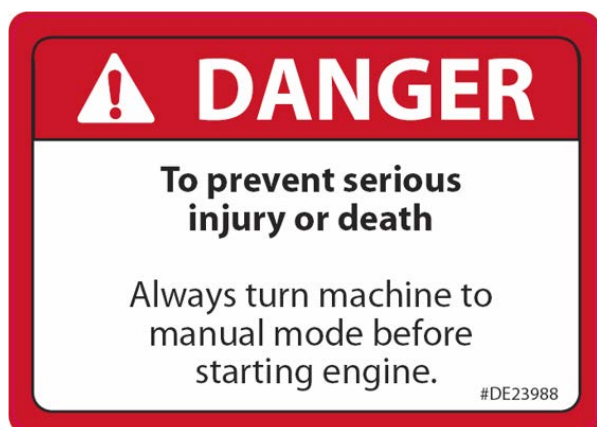
Item - H

Part # : DE23942



Item - I

Part # : DE23988



# Safety Decal Illustrations

Item - K

Part # : DE30879



Item - L

Part # : DE30880



Item - M

Part # : DE30881



Item - N

Part # : DE37509



Item - O

Part # : DECANADA



Item - P

Part # : DE23954



Item - Q

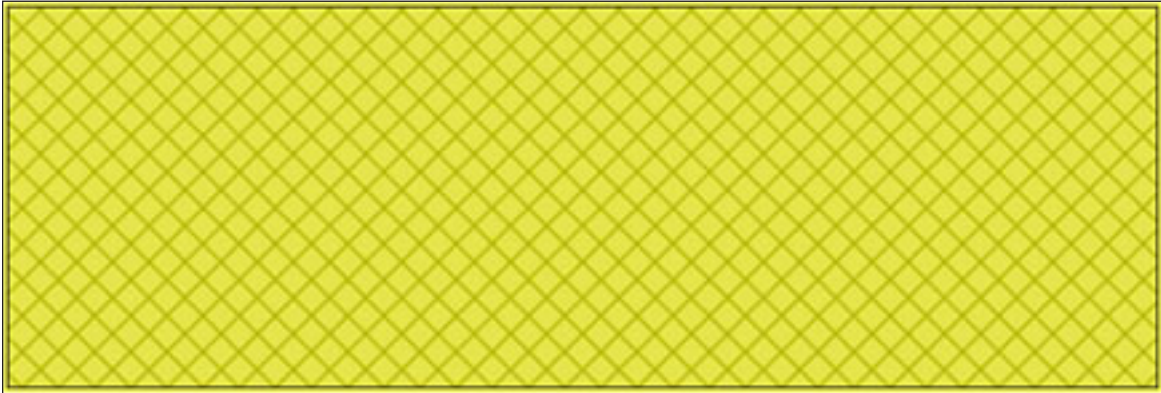
Part # : DE23955



# Safety Decal Illustrations

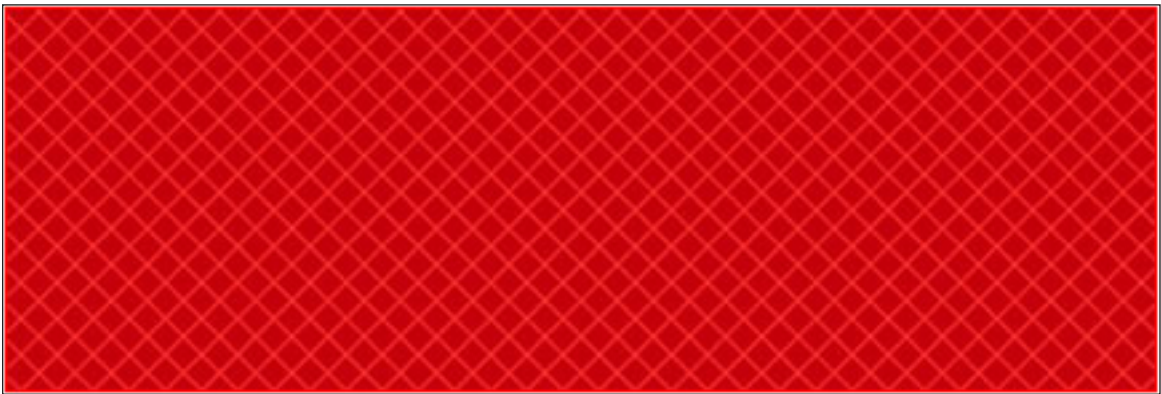
Item - R

Part # : DEAMBER



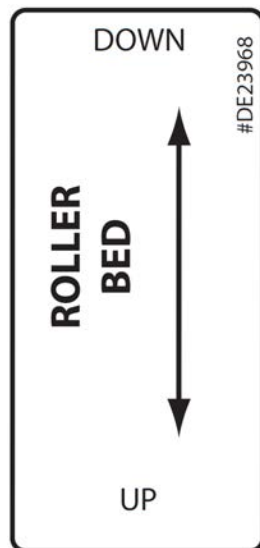
Item - S

Part # : DERVED



Item - T

Part # : DE23968



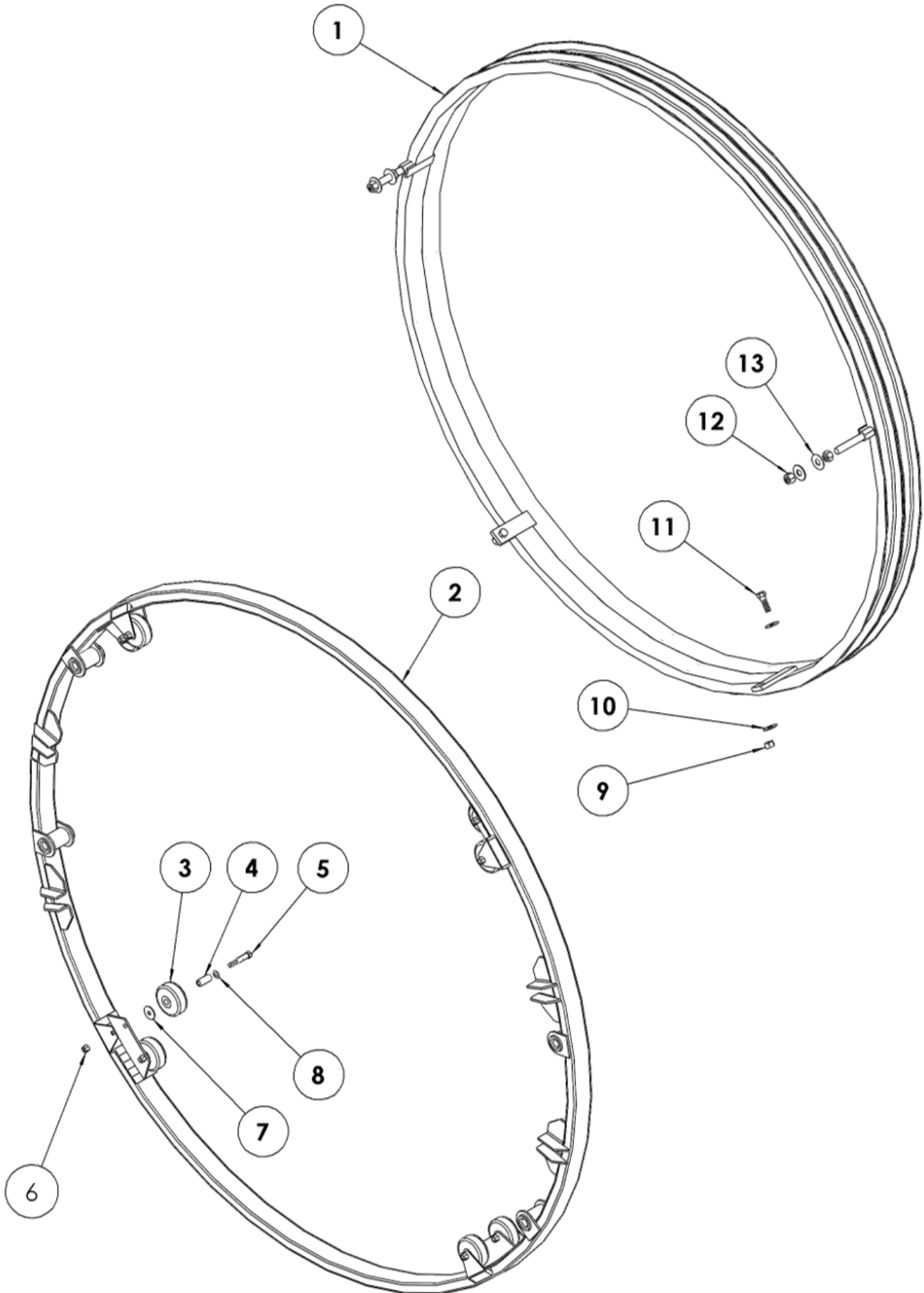


## Section 2: Parts Lists

*\*Actual parts may vary from illustrations\**

# Hoop - Original

For wrappers with a serial # up to 16R234



## Hoop - Original

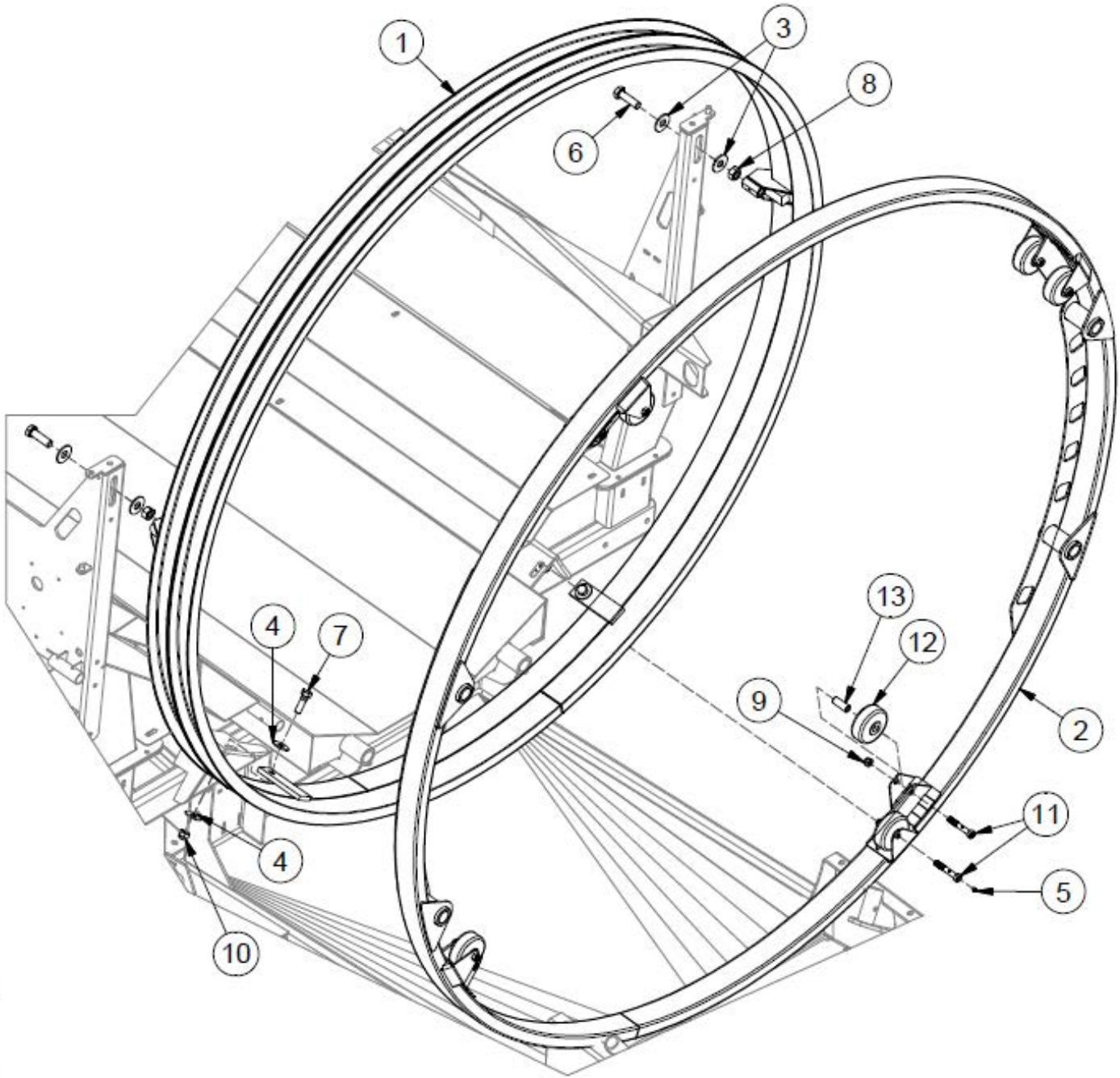
For wrappers with a serial # **up to** 16R234

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	TL550-100-002	Inner Hoop
2	1	TL550-301-001	Outer Hoop
2A		TL5X2-500-101	Complete Outer Hoop (Ref # 2-8)
3	8	TL500-200-014	4" Hoop Wheel
3A		TL5X2-500-102	Complete 4" Hoop Wheel
4	8	TL550-200-016	Spanner
5	8	TL500-100-015	Hoop Wheel Axle Bolt
6	8	LN 1/2	Center Locknuts
7	8	FW 1/2X2.0	Fender Washer 1/2 x 2.0
8	8	FWSAE 1/2	Flatwasher, 1/2" Zinc Plated SAE
9	2	LN 5/8 N	Locknut - 5/8-11 Zinc Plated Nylon Insert Lock Nut
10	4	FW 5/8	Flatwasher - 5/8" Zinc Plated USS (516)
11	2	HB 5/8-11X2.0 B	Hex Bolt 5/8-11 x 2 Grade 5 Plain Finish Hex Cap Screw
12	4	LN 3/4 N	Locknuts - 3/4-10 Zinc Plated Nylon Insert
13	4	FW 3/4	Flatwasher Plated - 3/4" Zinc Plated USS (400)



## Hoop - Current

For wrappers with a serial # from 16R236 to current

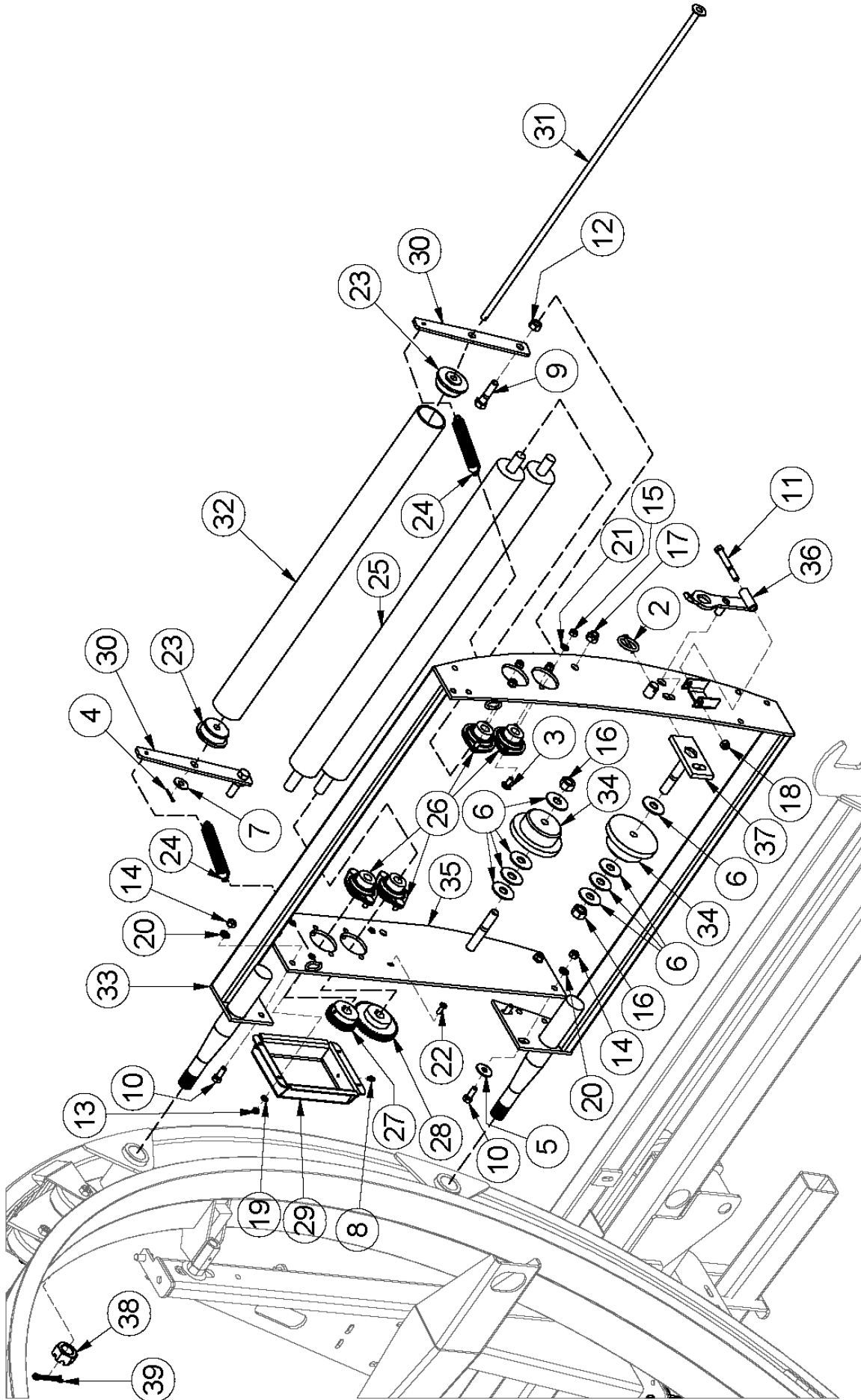


## Hoop - Current

For wrappers with a serial # from 16R236 to current

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	39532	Large 5000 Inner Hoop
2	1	39537	Large Outer Hoop
3	4	FW 3/4	Flatwasher Plated - 3/4" Zinc Plated USS (400)
4	4	FW 5/8	Flatwasher - 5/8" Zinc Plated USS (516)
5	15	GR 1/4 X 28	Grease Fitting 1/4-28 Strght-Standrd Zerk
6	2	HB 3/4-10X2.1/2 YZ8	Hex Bolt 3/4"-10 x 2.5" Grade 8 Yellow Zinc Hex Cap Screw
7	2	HB 5/8-11X2.0 B	Hex Bolt 5/8-11 x 2 Grade 5 Plain Finish Hex Cap Screw
8	2	HN 3/4	Hex Nut - 3/4"-10 Grade 5 Zinc Plated Finished N.C. (325)
9	10	LN 1/2 N	Locknuts - 1/2-13 Zinc Plated Nylon Insert Lock Nut
10	2	LN 5/8 N	Locknut - 5/8-11 Zinc Plated Nylon Insert Lock Nut
11	8	TL500-100-015	Hoop Wheel Axle Bolt
12	8	TL500-200-014	Hoop Wheel, 4" (2001)
13	8	TL550-200-016	Spanner

# Plastic Wrap Carrier



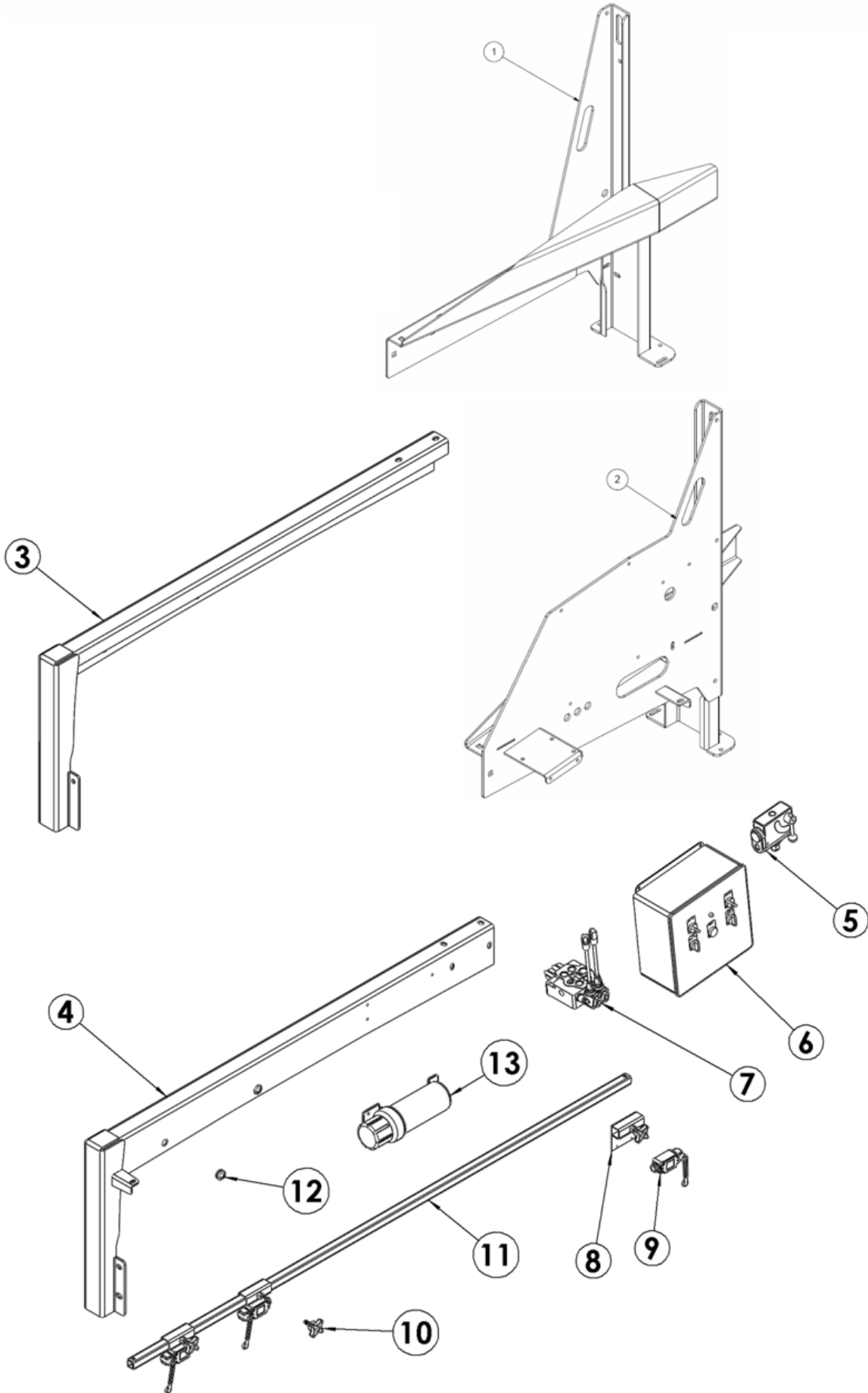


## Plastic Wrap Carrier

ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	TL550-100-072	Complete Plastic Wrap Carrier Assembly
2	1	25680	Lynch Pin 3/16 x 1.5
3	8	CB 5/16-18X 3/4 Z5	Carriage Bolt - 5/16-18 x 3/4" Zinc Plated Grade 5
4	1	CP 18X1	Pin, Cotter 1/8 x 1.0
5	2	FW 3/8	Flatwasher Plated, 3/8" Zinc Plated USS (2984)
6	8	FW 5/8	Flatwasher - 5/8" Zinc Plated USS (516)
7	1	FW 7/16	Flatwasher - 7/16" Zinc Plated USS (1620)
8	1	GR 1/4 X 28	Grease Fitting 1/4-28 Strght-Standrd Zerk
9	2	HB 1/2-13X2.0 Z5	Hex Bolt 1/2-13 x 2" Grade 5 Zinc Plated Hex Cap Screw N.C
10	4	HB 3/8-16X1.0 Z5	Hex Bolt 3/8-16 x 1" Grade 5 Zinc Plated Hex Cap Screw N.C.
11	1	HB 3/8-16X3.0 Z5	Hex Bolt 3/8-16 x 3" Grade 5 Zinc Plated Hex Cap Screw N.C
12	2	HN 1/2	Hex Nut 1/2"-13 Grade 5 Zinc Plated Finished N.C.
13	4	HN 1/4	Hex Nut 1/4"-20 Grade 5 Zinc Plated Finished N.C.
14	4	HN 3/8	Hex Nut 3/8"-16 Grade 5 Zinc Plated Finished N.C.
15	8	HN 5/16	Hex Nut 5/16"-18 Grade 5 Zinc Plated Finished Hex Nut N.C.
16	2	HN 5/8	Hex Nut - 5/8"-11 Grade 5 Zinc Plated Finished N.C.
17	2	LN 1/2 N	Locknuts - 1/2-13 Zinc Plated Nylon Insert Lock Nut
18	1	LN 3/8 N	Locknuts - 3/8-16 Zinc Plated Nylon Insert Lock Nut
19	4	LW 1/4	Lockwasher - 1/4" Zinc Plated Medium Split (15000)
20	4	LW 3/8	Lockwasher - 3/8" Zinc Plated Medium Split (5500)
21	8	LW 5/16	Lockwasher - 5/16" Zinc Plated Medium Split (9000)
22	4	MS 1/4X1.1/2 SDS	Machine Screw - 1/4"-14 x 1-1/2" Unslotted Hex Washer Head Self Drilling Screw Z
23	2	TL500-100-021	HMWPVC Bearing - Plastic End Cap
24	2	TL500-100-135	Spring - Tensioner
25	2	TL550-100-006	Tensioner Roller
26	4	TL550-100-007	Flange Bearing, 3/4" (2 Flanges & Bearing)
27	1	TL550-100-008	Small Gear - 3/4 Bore, KW, SS, 14 1/2 deg, 2.25 P.D.
28	1	TL550-100-009	Large Gear - 3/4 Bore, KW, SS, 14 1/2 deg, 3.50 P.D.
29	1	TL550-100-010	Gear Cover
30	2	TL550-100-016	Slave Roller Mount Bracket
31	1	TL550-100-018	Axle Shaft
32	1	TL550-100-022	Pipe, ABS (Plastic Idler)
33	1	TL550-100-089	Main Wrap Bracket
34	2	TL550-200-012	Plastic Wrap Spool
35	1	TL550-200-090	Main Wrap side Insert
36	1	TL550-200-103	Wrap Carrier (Spool) Latch
37	1	TL550-200-115	Spool Holder
38	2	HN 1.0-14NFCASTLE	Hex Nut 1"-14 Slotted Plain Finis(NF Castle Nut Bare)
39	2	CP 1/4 x 2.0	Pin, Cotter - 1/4" x 2" Zinc Plated

# Hoop Brace - Original

For wrappers with a serial # up to 12R218



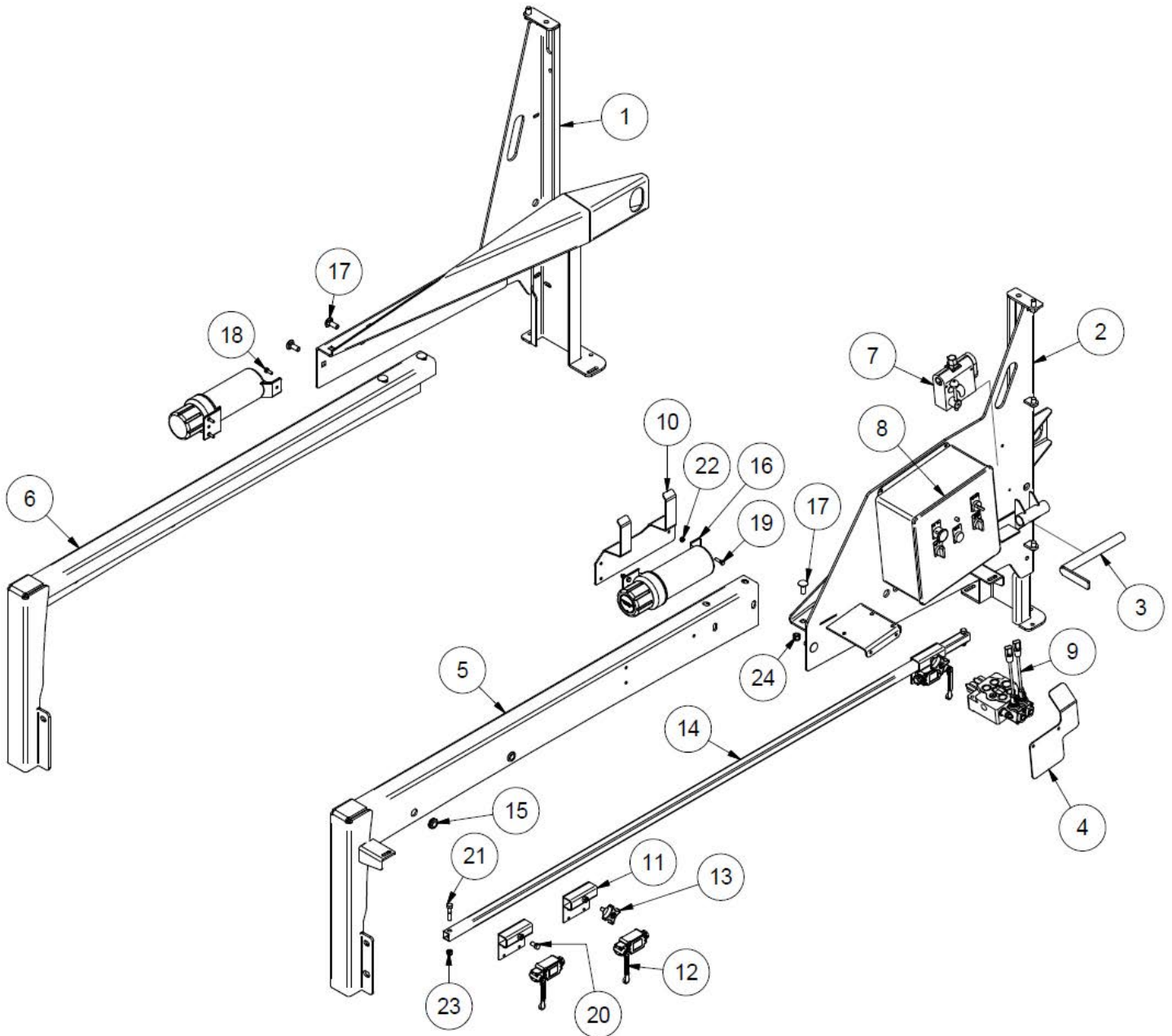
## Hoop Brace - Original

For wrappers with a serial # up to 12R218

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	TL25669	Right Rear Hoop Brace
2	1	TL25670	Left Rear Hoop Brace
3	1	TL5X2-500-107	Right Front Hoop Brace
4	1	TL5X2-500-108	Left Front Hoop Brace
5	1	TL500-100-193	RD150-08 Flow Control
6	1	TL550-200-061	Control Panel
7	1	TL5X2-201-055	2 Spool Valve
8A		TL5X2-500-109	Switch Slider c/w Switch (Ref # 8 – 10)
8	3	TL5X2-100-242	Switch Slider (Short)
9	3	TL550-100-060	Limit Switch
10	3	TL5X2-100-104	Switch Adjuster Screw ( 4 Prong Knob)
11	1	TL5X2-500-110	Switch Slider Tube
12	2	TL5X2-100-143	Grommet
13	1	TL5X2-201-111	Manual Holder

# Hoop Brace - Current

For wrappers with a serial # from 13R001 to current





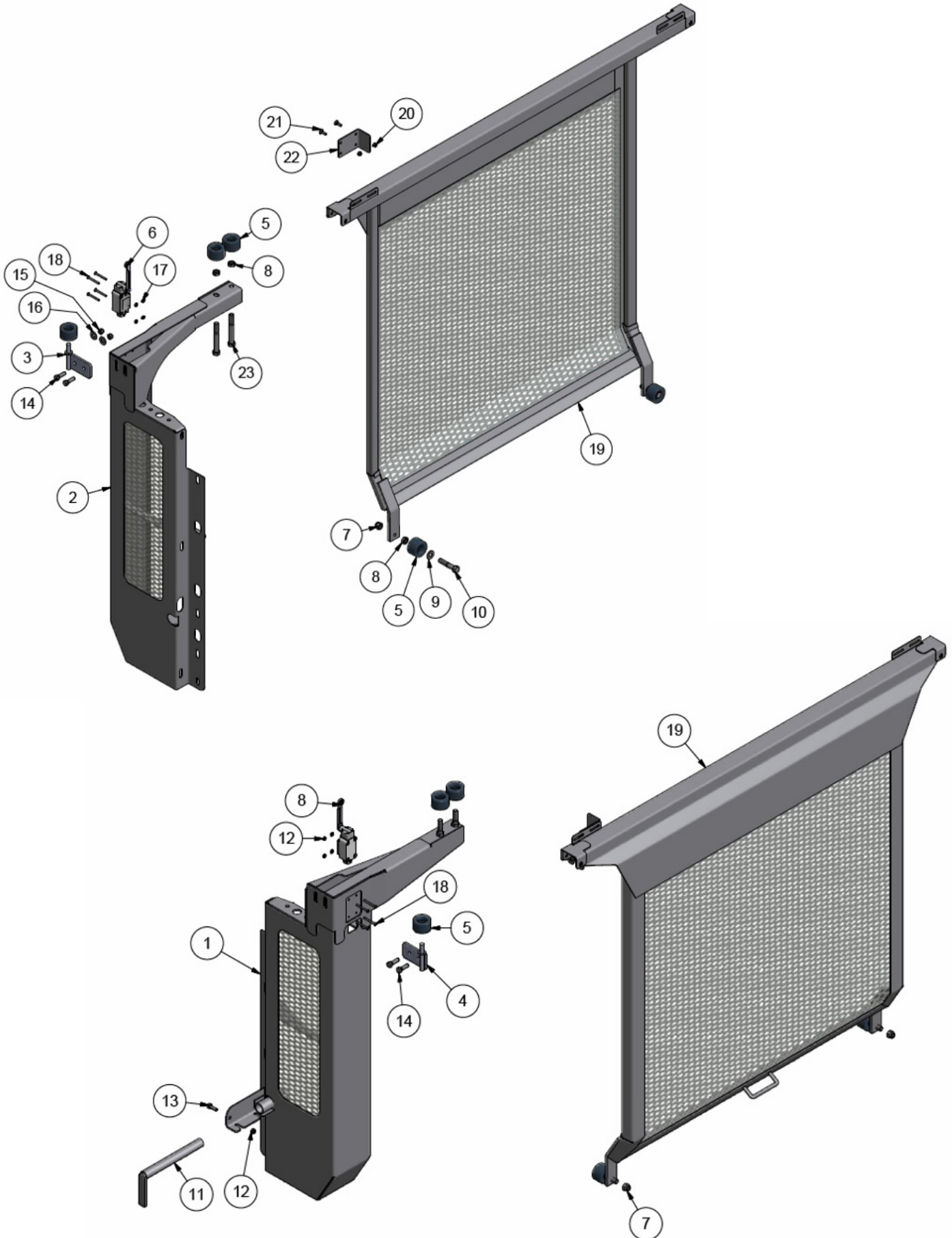
## Hoop Brace - Current

For wrappers with a serial # from 13R001 to current

ITEM	QTY	PART NUMBER	DESCRIPTION	SERIAL BREAK
1	1	25669	Right Rear Hoop Brace	13R001 to 16R234
		39545	Large Hoop Right Rear Hoop Brace	16R236 to Current
2	1	25670	Left Rear Hoop Brace	13R001 to 16R234
		39557	Large Hoop Left Rear Hoop Brace	16R236 to Current
3	1	25667	Hoop Lock Pin	
4	1	25533	Decal Plate	
5	1	TL5X2-500-108	Left Front Hoop Brace	13R001 to 16R234
		39554	Large Hoop Left Front Hoop Brace	16R236 to Current
6	1	TL5X2-500-107	Right Front Hoop Brace	13R001 to 16R234
		39552	Large Hoop Right Front Hoop Brace	16R236 to Current
7	1	TL500-100-193	RD150-08 Flow Control	
8	1	TL550-200-061	Control Panel	
9	1	TL5X2-201-055	2 Spool Valve	
10	1	30867	Tape Holder	
	3	TL5X2-500-109	Switch Slider c/w Switch (Ref # 11-13)	
11	3	TL5X2-100-242	Switch Slider	
12	3	TL550-100-060	Limit Switch	
13	2	TL550-100-104	Switch Adjuster Screw (4 Prong Knob)	
14	1	TL5X2-500-110	Switch Slider Tube	
15	6	TL5X2-100-143	.625" Grommet	
16	2	TL5X2-201-111	Manual Holder	
17		CB 1/2-13X1.1/4 Z5	Carriage Bolt Zinc	
18		HB 1/4-20X 3/4 Z5	Hex Bolt - 1/4"-20 x 3/4" Grade 5 Zinc Plated Hex Cap Screw	
19		HB 1/4-20X1.0 Z5	Hex Bolt 1/4-20 x 1" Grade 5 Zinc Plated Hex Cap Screw	
20		HB 3/8-16X 3/4 Z5	Hex Bolt - 3/8-16 x 3/4" Grade 5 Zinc Plated Hex Cap Screw	
21		HB 3/8-16X1.3/4 Z5	Hex Bolt - 3/8-16 x 1 3/4" Socket Head Cap Screw	
22		LN 1/4 N	Locknuts - 1/4-20 Zinc Plated Nylon Insert	
23		LN 3/8 N	Locknuts - 3/8-16 Zinc Plated Nylon Insert Lock Nut	
24		LN 1/2 N	Locknuts - 1/2-13 Zinc Plated Nylon Insert Lock Nut	

# Safety Guard - Original

For wrappers with a serial # up to 12R060



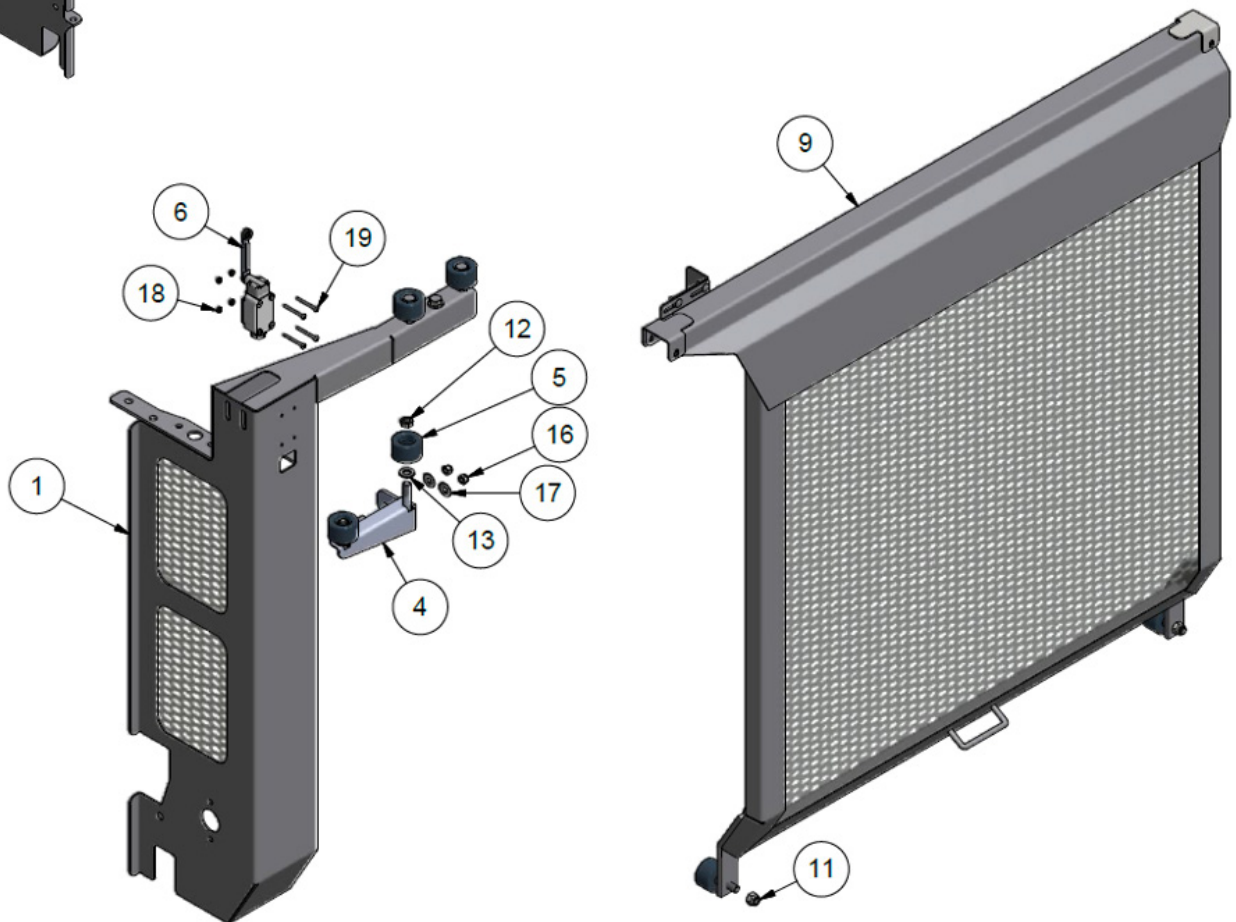
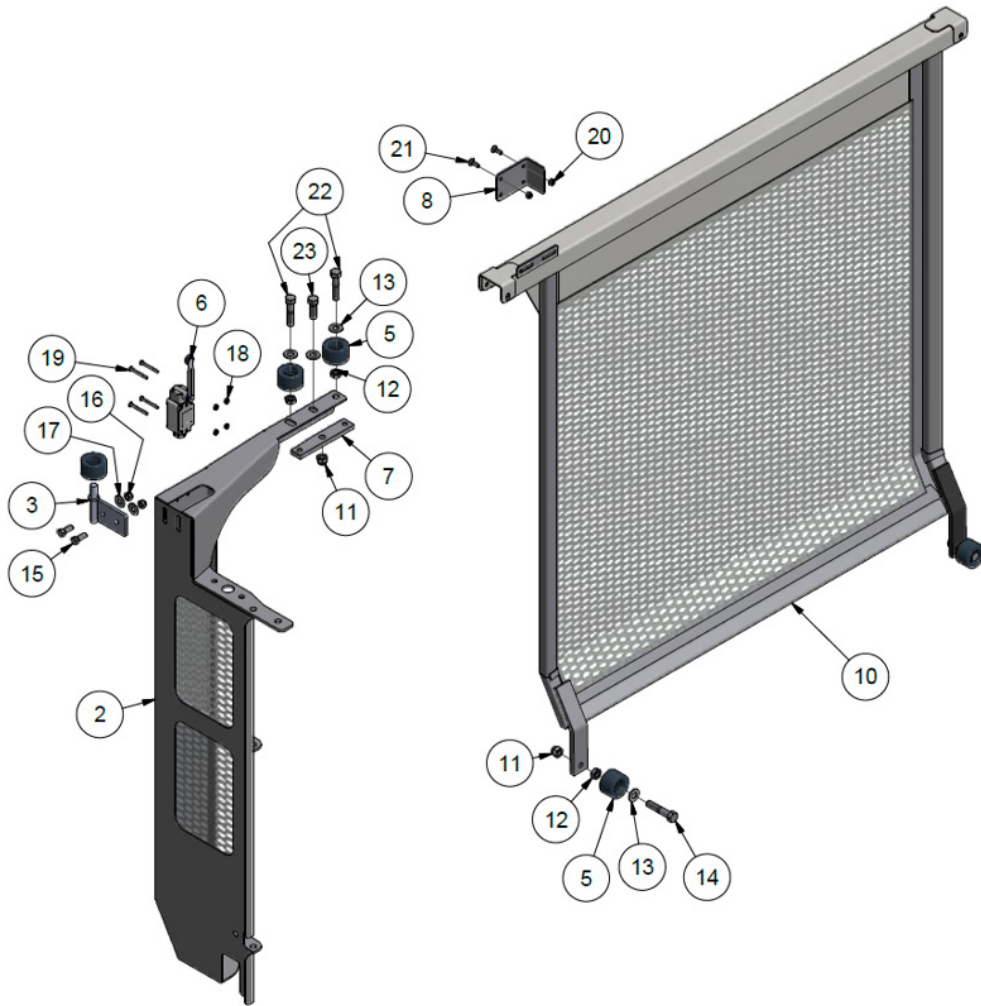
## Safety Guard - Original

For wrappers with a serial # **up to** 12R060

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	TL5X2-100-025	Left Safety Guard
2	1	TL5X2-100-024	Right Safety Guard
3	1	TL5X2-301-103	Right Top Door Roller Bracket
4	1	TL5X2-301-120	Left Top Door Roller Bracket
5	6	TL5X2-301-121	Door Roller
6	2	TL550-100-060	Limit Switch
7	6	LN 1/2 N	Locknuts - 1/2-13 Zinc Plated Nylon Insert Lock Nut
8	8	HN 1/2 JAM	Hex Nut - 1/2-13 Zinc Plated Hex Jam Nut
9	4	FWSAE 1/2	Flatwasher, 1/2" Zinc Plated SAE
10	4	HB 1/2-13X2.1/2 YZ8	Hex Bolt 1/2-13 x 1" Grade 5 Zinc Plated Hex Cap Screw
11	1	TL550-200-050	Hoop Lock Pin
12	1	LN 5/16 N	Locknut - 5/16-18 Type NE Zinc Plated Nylon Insert
13	1	HB 5/16-18X1.0 Z5	Hex Bolt 5/16-18 x 1" Grade 5 Zinc Plated Hex Cap Screw
14	4	HB 3/8-16X1.1/4 Z5	Hex Bolt 3/8-16 x 1 1/4" Grade 5 Zinc Plated Hex Cap Screw
15	4	LN 3/8 N	Locknuts - 3/8-16 Zinc Plated Nylon Insert Lock Nut
16	4	FW 3/8	Flatwasher Plated, 3/8" Zinc Plated USS (2984)
17	8	HN 10-24	Nut - 10-24 Low Carbon Zinc Plated Machine Screw Nut
18	8	HB 10-24X1.3/4 Z5	Hex Bolt - #10-24 x 1 3/4 Zinc Finish Flat Socket Cap Screw
19	2	24111	Door Weldment
20	4	LN 1/4 N	Locknuts - 1/4-20 Zinc Plated Nylon Insert
21	4	CB 1/4-20X 3/4 Z	Carriage Bolt 1/4-20 x 3/4" Zinc Plated
22	2	25062	Door Switch Tab
23	4	HB 1/2-13X4.0 Z5	Hex Bolt 1/2-13 x 4 Grade 5 Zinc Hex Cap Screw

# Safety Guard - Current

For wrappers with a serial # from 12R061 to 16R234





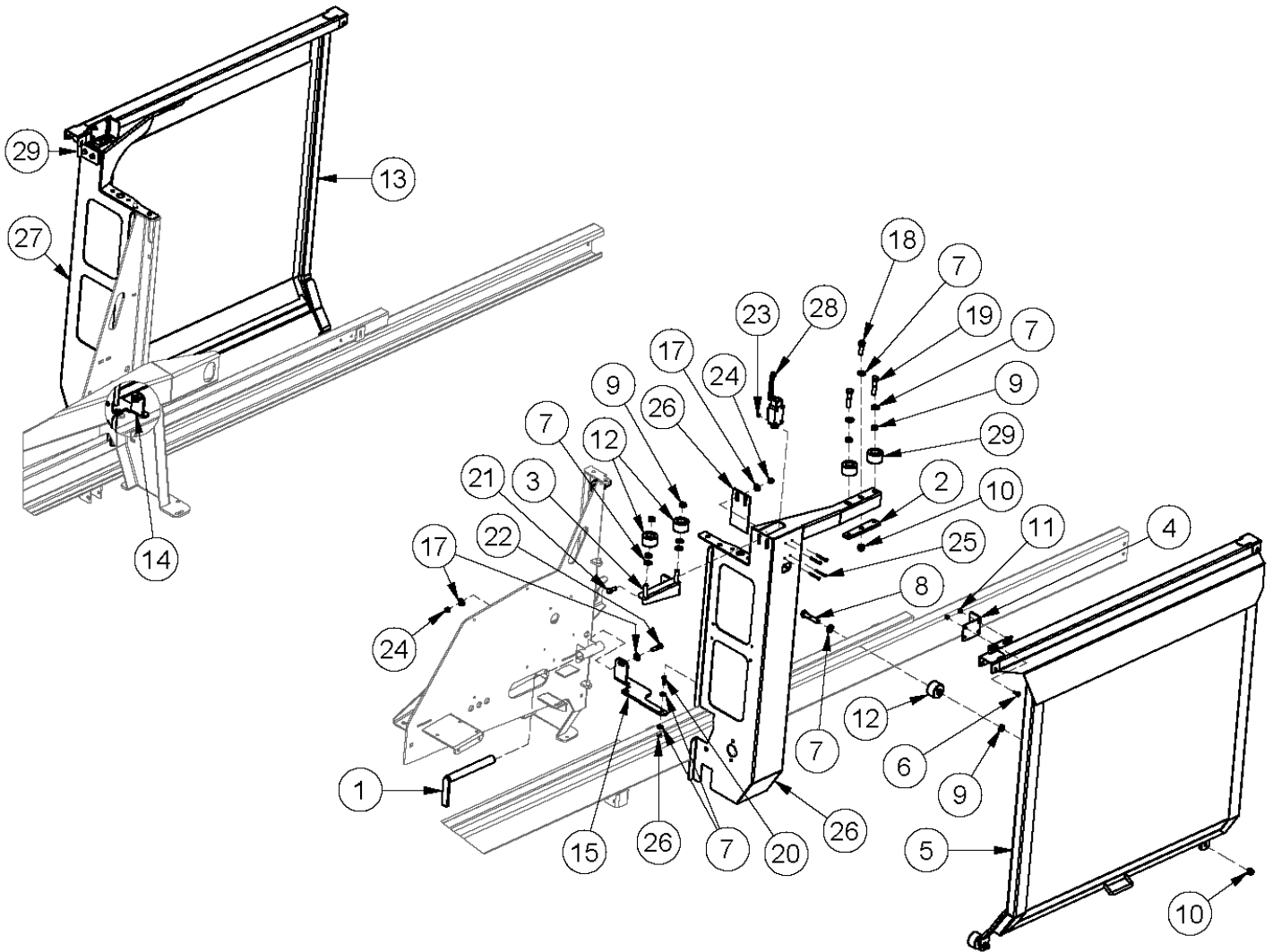
## Safety Guard - Current

For wrappers with a serial # from 12R061 to 16R234

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	TL109-100-363	Left Safety Guard
2	1	TL109-100-364	Right Safety Guard
3	1	TL5X2-301-103	Right Top Door Roller Bracket
4	1	TL5X2-301-120	Left Top Door Roller Bracket
5	10	TL5X2-301-121	Door Roller
6	2	TL550-100-060	Limit Switch
7	2	28741	Rear Roller Mount
8	2	25062	Door Switch Tab
9	1	31562	Left Door
10	1	33222	Right Door
11	6	LN 1/2 N	Locknuts - 1/2-13 Zinc Plated Nylon Insert Lock Nut
12	8	HN 1/2 JAM	Hex Nut - 1/2-13 Zinc Plated Hex Jam Nut
13	10	FWSAE 1/2	Flatwasher, 1/2" Zinc Plated SAE
14	4	HB 1/2-13X2.1/2 Z5	Hex Bolt 1/2-13 x 2 1/2" Grade 5 Zinc Plated Hex Cap Screw
15	4	HB 3/8-16X1.1/4 Z5	Hex Bolt 3/8-16 x 1 1/4" Grade 5 Zinc Plated Hex Cap Screw
16	4	LN 3/8 N	Locknuts - 3/8-16 Zinc Plated Nylon Insert Lock Nut
17	4	FW 3/8	Flatwasher Plated, 3/8" Zinc Plated USS (2984)
18	8	HN 10-24	Nut - 10-24 Low Carbon Zinc Plated Machine Screw Nut
19	8	HB 10-24X1.3/4 Z5	Hex Bolt - #10-24 x 1 3/4 Zinc Finish Flat Socket Cap Screw
20	4	LN 1/4 N	Locknuts - 1/4-20 Zinc Plated Nylon Insert
21	4	CB 1/4-20X 3/4 Z	Carriage Bolt 1/4-20 x 3/4" Zinc Plated
22	4	HB 1/2-13X2.1/4 Z5	Hex Bolt - 1/2"-13 x 2 1/4"
23	2	HB 1/2-13X1.1/2 Z5	Hex Bolt 1/2-13 x 1 1/2" Grade 5 Zinc Plated Hex Cap Screw

# Safety Guard - Current

For wrappers with a serial # from 16R236 to current

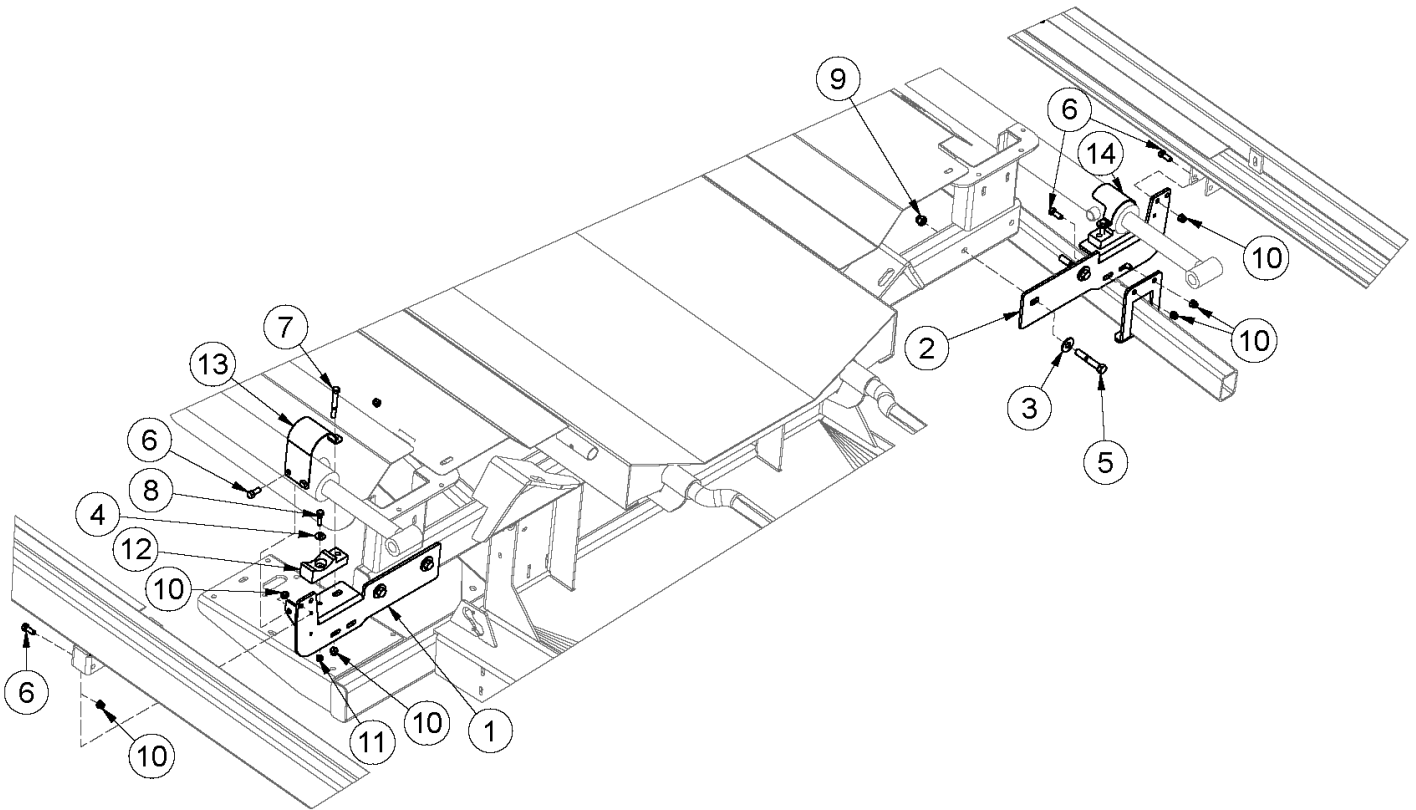


## Safety Guard - Current

For wrappers with a serial # from 16R236 to current

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	25667	Hoop Lock Pin
2	2	28741	Door Roller Mount
3	1	31565	Door Mount Extension
4	1	25062	Door Switch Tab
5	1	40284	Left Safety Guard
6	2	CB 1/4-20X 3/4 Z	Carriage Bolt 1/4-20 x 3/4" Zinc Plated
7	18	FW 1/2	Flatwasher - 1/2" Zinc Plated USS (1096)
8	2	HB 1/2-13X2.1/2 Z5	Hex Bolt 1/2-13 x 2 1/2" Grade 5 Zinc Plated Hex Cap Screw
9	8	HN 1/2 JAM	Hex Nut - 1/2-13 Zinc Plated Hex Jam Nut
10	4	LN 1/2 N	Locknuts - 1/2-13 Zinc Plated Nylon Insert Lock Nut
11	2	LN 1/4 N	Locknuts - 1/4-20 Zinc Plated Nylon Insert
12	11	TL559906	Door Roller
13	1	40289	Right Safety Guard
14	1	40945	Right Door Support
15	1	40946	Left Door Support
16	4	FW 1/4	Flatwasher - 1/4" Zinc Plated USS (6480)
17	8	FW 3/8	Flatwasher Plated, 3/8" Zinc Plated USS (2984)
18	2	HB 1/2-13X1.1/2 Z5	Hex Bolt 1/2-13 x 1 1/2" Grade 5 Zinc Plated Hex Cap Screw
19	4	HB 1/2-13X2.1/4 Z5	Hex Bolt - 1/2"-13 x 2 1/4"
20	2	HB 1/4-20X1.0 Z5	Hex Bolt 1/4-20 x 1" Grade 5 Zinc Plated Hex Cap Screw
21	14	HB 3/8-16X1.0 Z5	Hex Bolt 3/8-16 x 1" Grade 5 Zinc Plated Hex Cap Screw
22	2	HB 3/8-16X1.1/2 Z5	Hex Bolt - 3/8-16 x 1 1/2" Grade 5 Zinc Plated Hex Cap Screw
23	8	HN 10-24	Nut - 10-24 Low Carbon Zinc Plated Machine Screw Nut
24	6	LN 3/8 N	Locknuts - 3/8-16 Zinc Plated Nylon Insert Lock Nut
25	8	MS 10X1 3/4	Machine Screw 10-24x1-3/4
26	1	TL109-100-363	Left Door Mount
27	1	TL109-100-364	Right Door Mount
28	2	TL550-100-060	Limit Switch
29	1	TL5X2-301-103	Right Top Door Roller Bracket

# Cylinder Supports



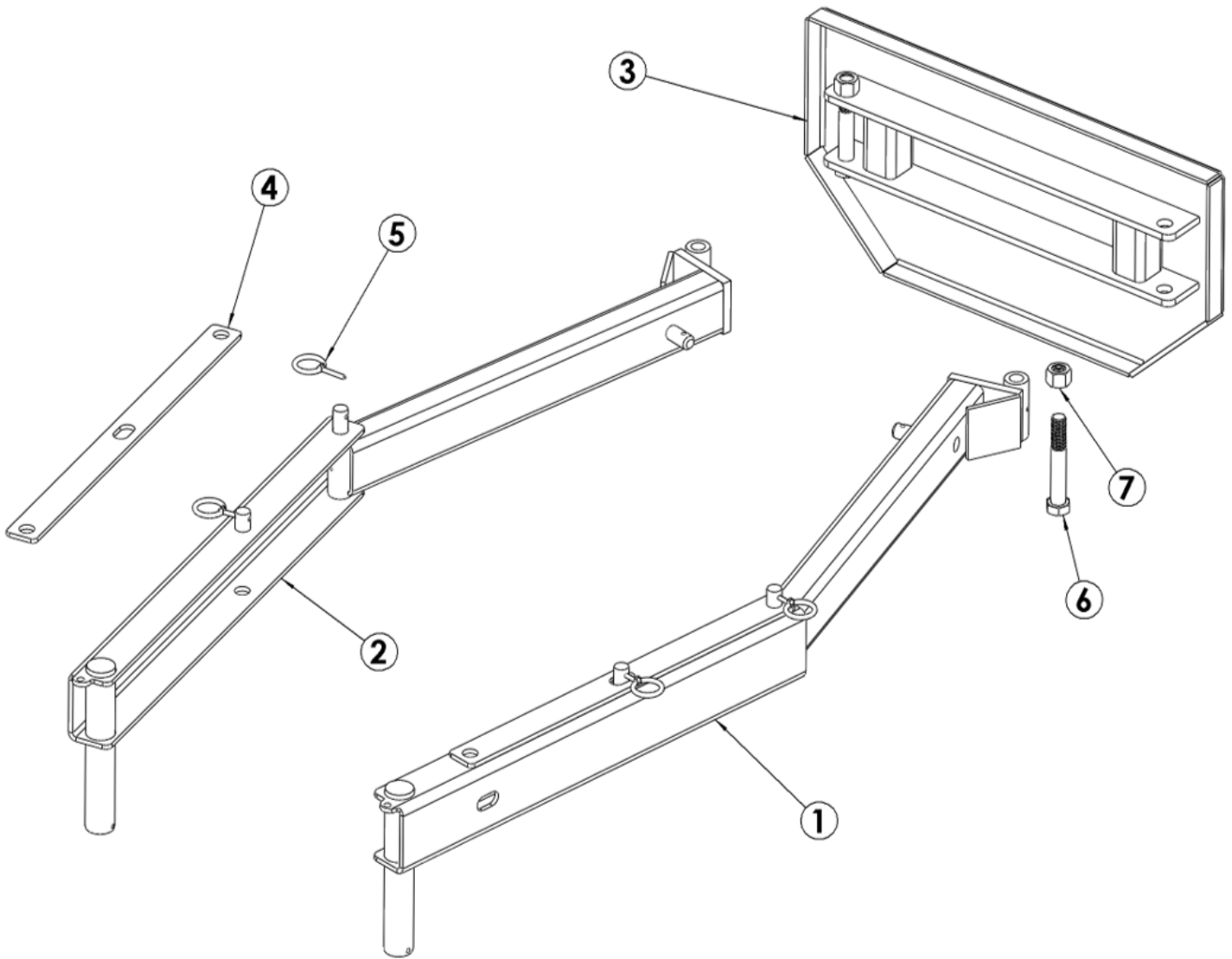


## Cylinder Supports

ITEM	QTY	PART NUMBER	DESCRIPTION	SERIAL BREAK
1	1	39529	Large Hoop Left Cylinder Mount	16R236-Current
	1	25671	Left Cylinder Mount	Up to 16R234
2	1	41559	Large Hoop Right Cylinder Mount	16R236-Current
161	1	25672	Right Cylinder Mount	Up to 16R234
3	4	FW 1/2	Flatwasher - 1/2" Zinc Plated USS (1096)	
4	2	FW 5/16	Flatwasher - 5/16" Zinc Plated USS (3840)	
5	4	HB 1/2-13X3.0 Z5	Hex Bolt 1/2-13 x 3" Grade 5 Zinc Plated Hex Cap Screw	
6	14	HB 3/8-16X1.0 Z5	Hex Bolt 3/8-16 x 1" Grade 5 Zinc Plated Hex Cap Screw	
7	2	HB 3/8-16X3.0 Z5	Hex Bolt 3/8-16 x 3" Grade 5 Zinc Plated Hex Cap Screw	
8	2	HB 5/16-18X1.1/4 Z5	Hex Bolt - 5/16"-18 x 1 1/4" Grade 5 Zinc Plated Hex Cap Screw	
9	4	LN 1/2 N	Locknuts - 1/2-13 Zinc Plated Nylon Insert Lock Nut	
10	10	LN 3/8 N	Locknuts - 3/8-16 Zinc Plated Nylon Insert Lock Nut	
11	2	LN 5/16 N	Locknut - 5/16-18 Type NE Zinc Plated Nylon Insert	
12	2	TL550-200-109	Cylinder Support	
13	1	TL5X2-100-132	Left Cylinder Clamp	
14	1	TL5X2-100-133	Right Cylinder Clamp	

# Front Pushoff - Original

For wrappers with a serial # up to 12R218



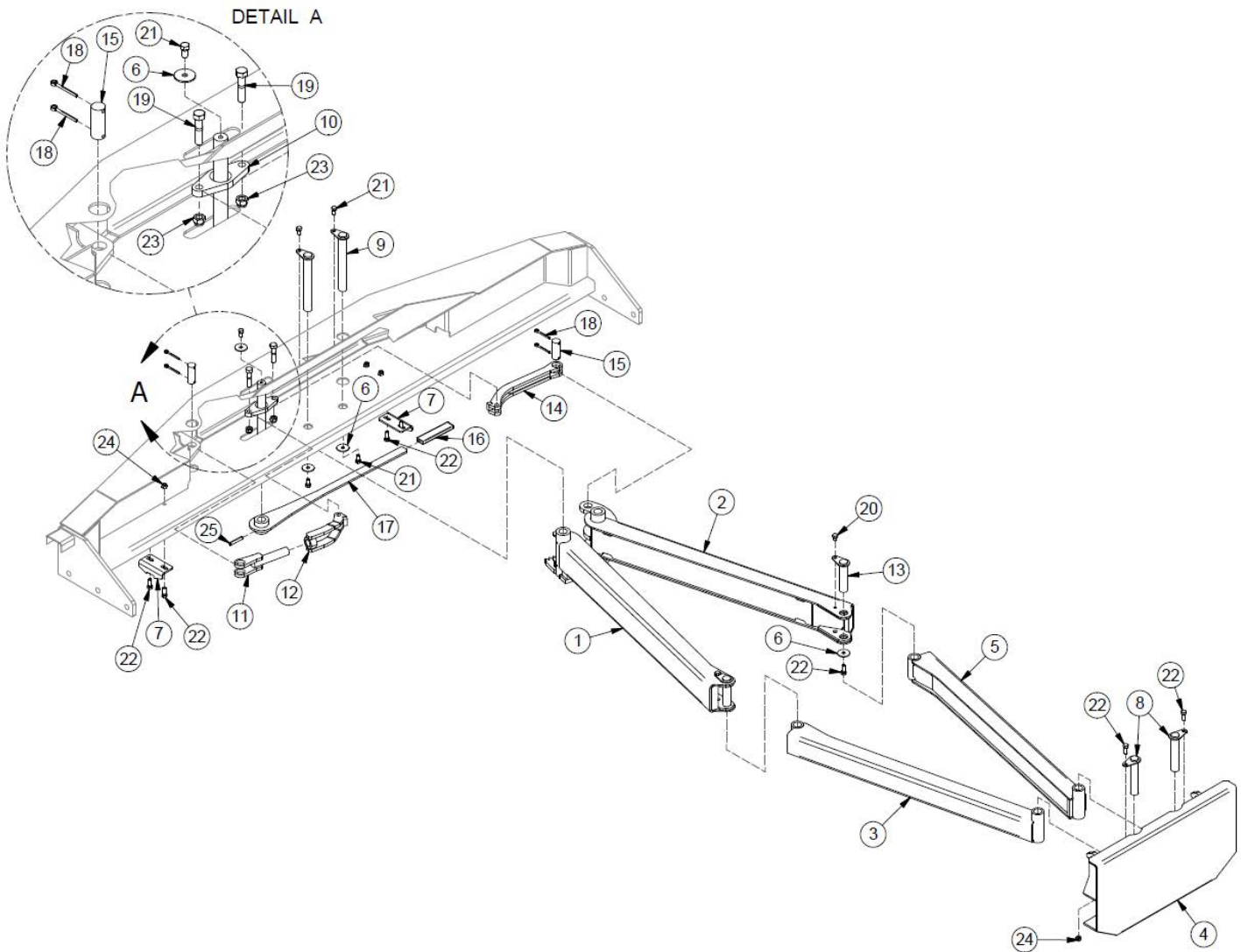
## Front Pushoff - Original

For wrappers with a serial # **up to** 12R218

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	TL5X2-500-143	Left Front Pushoff Arm
2	1	TL5X2-500-144	Right Front Pushoff Arm
3	1	TL5X2-301-016	Push Plate
4	2	TL599-100-017	X Brace
5	4	TL385501	Lynch Pin 3/16 x 1.5
6	2	HB 3/4-10X5.1/2 Z5	Hex Bolt 3/4"-10 x 5-1/2" Grade 5 Zinc Plated Hex Cap Screw N.C.
7	2	LN 3/4 N	Locknuts - 3/4-10 Zinc Plated Nylon Insert

## Front Pushoff - Current

For wrappers with a serial # from 13R001 to current.



**Note:** To order complete ram assembly (includes 30927, see [page 5-26](#)), use part # : 31935 (40961 after serial number: 16R234).

**Note:** Wrappers prior to serial number 14R001 require both item 11 & 12 when replacing.

## Front Pushoff - Current

For wrappers with a serial # **from** 13R001 **to** current.

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	30455	Left Large Arm
2	1	30456	Right Large Arm
3	1	30457	Left Small Arm
4	1	30459	Push Plate
5	1	30462	Right Small Arm
6	5	30924	Pin Washer
7	2	30958	Handle Holder
8	2	30980	Last Pushoff Plate Pin
9	2	30982	Pushoff Middle Pin
10	1	30983	Linkage Pivot
11	1	30985	Linkage Adjuster
12	1	30986	Pivot Adjuster
13	2	30988	Arm Joint Pin
14	1	30989	Solid Pivot Arm
15	2	30993	Ram Linkage Mount Pin
16	1	22707	Rubber Handle for 3/8 x 1 Flat Bar
17	1	39487	Last Pushoff Handle (c/w 22707)
18	4	CP 3/16 X 1.0	Pin, Cotter 3/16 x 1
19	2	HB 1/2-13X2.1/4 Z5	Hex Bolt - 1/2"-13 x 2 1/4"
20	2	HB 3/8-16X 1/2 Z5	Hex Bolt Plated Gr. 5 NC
21	5	HB 3/8-16X 3/4 Z5	Hex Bolt - 3/8-16 x 3/4" Grade 5 Zinc Plated Hex Cap Screw NC
22	8	HB 3/8-16X1.0 Z5	Hex Bolt 3/8-16 x 1" Grade 5 Zinc Plated Hex Cap Screw NC
23	2	LN 1/2 N	Locknuts - 1/2-13 Zinc Plated Nylon Insert Lock Nut
24	6	LN 3/8 N	Locknuts - 3/8-16 Zinc Plated Nylon Insert Lock Nut
25	1	RP 38X212	Pin - Roll Pin 3/8 x 2 1/2

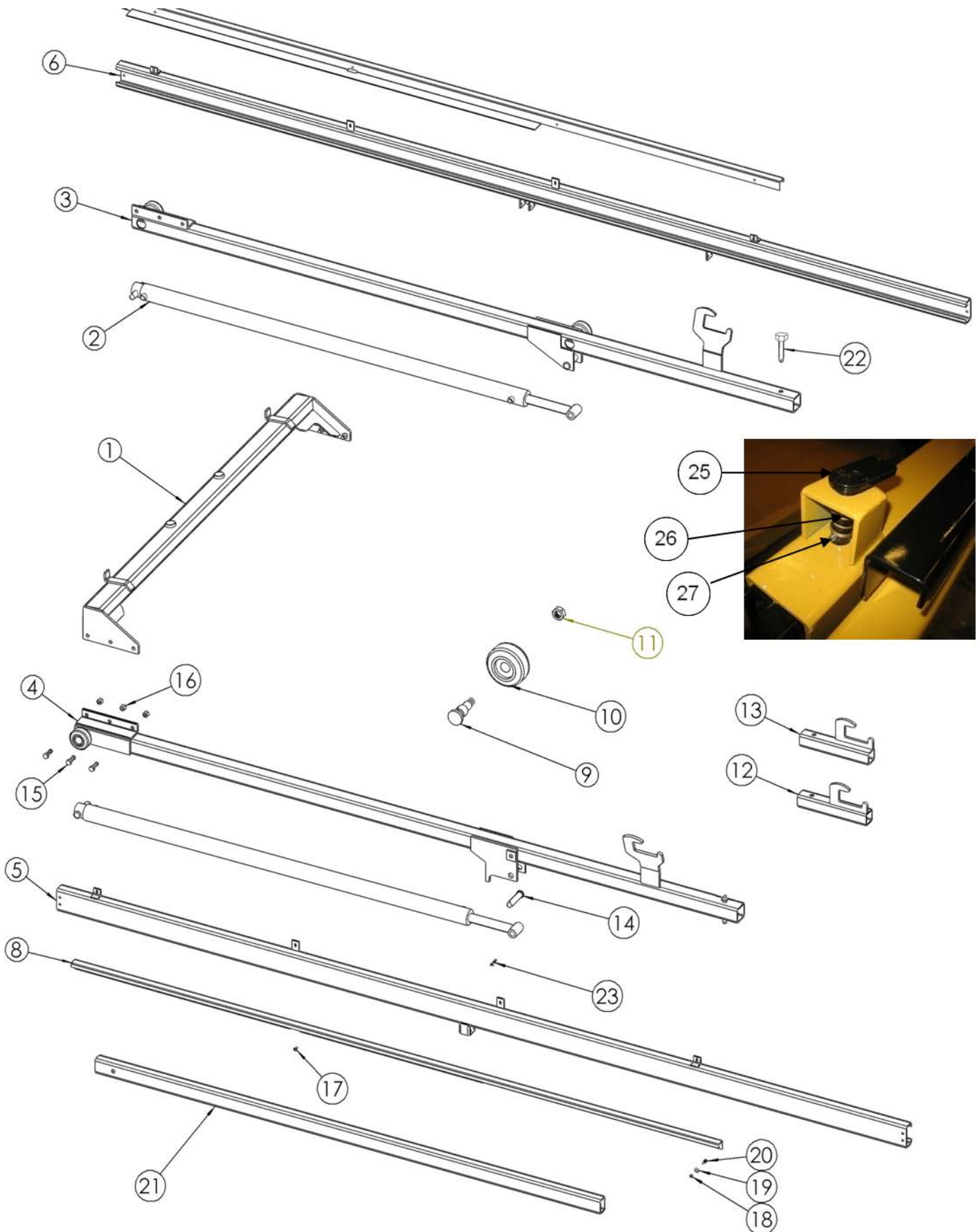
**Note:** To order complete ram assembly (includes 30927, see [page 5-26](#)), use part # : 31935 (40961 after serial number: 16R234).

**Note:** Wrappers prior to serial number 14R001 require both item 11 & 12 when replacing.



# Ram - Original

For wrappers with a serial # up to 12R218



## Ram - Original

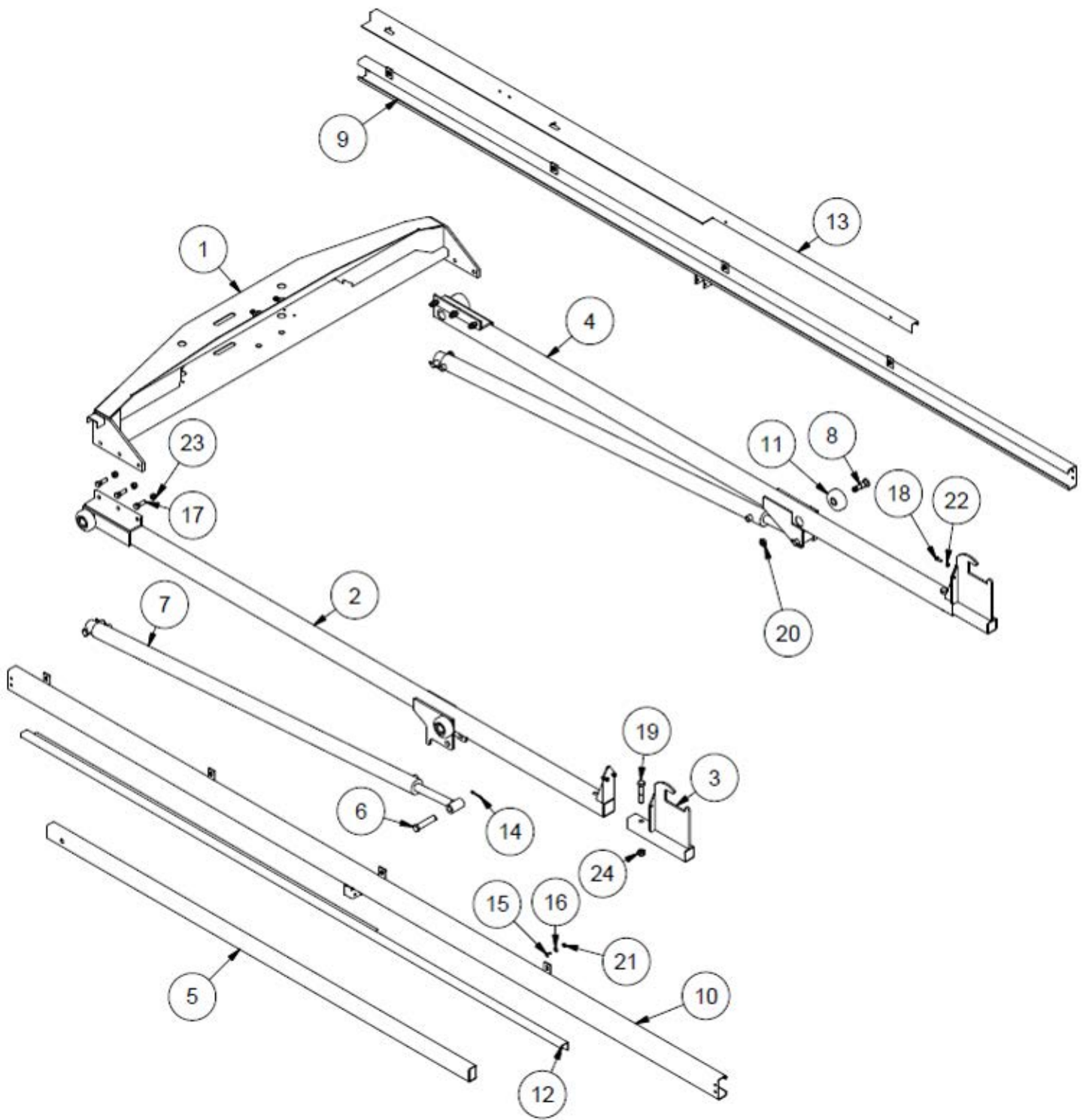
For wrappers with a serial # **up to** 12R218

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	TL5X2500128	Front Ram Member
2	2	TL550100043	Ram Cylinder
	2	TLSK25	Ram Cylinder Seal Kit
3	1	TL5X2301151	Right Ram Tube
4	1	TL5X2301153	Left Ram Tube
5	1	TL5X2301171	Left Side Rail
6	1	TL5X2301170	Right Side Rail
7	1	TL5X2301172	Right Door Track
8	1	TL5X2301176	Left Door Track
9	2	TL5X2301156	Ram Wheel Axle
10	2	TL5X2301157	Ram Wheel
11	4	HN 3/4 JAM	Hex Jam Nut 3/4"-16 Zinc Plated N.F.
12	1	TL5X2-500-129	Left Last Pushoff Hook
13	1	TL5X2-500-130	Right Last Pushoff Hook
14	4	TL550-100-042	Ram Cylinder Pin
15	6	HB 5/8-11X2.0 Z5	Hex Bolt 5/8-11 x 2 Grade 5 Zinc Plated Hex Cap Screw
16	6	LN 5/8 F	Center Locknuts (5/8-18) 2-Way Fine Thread
17	4	HB 5/16-18X1.0 FHSCS	Hex Bolt - 5/16-18 x 1" Zinc Plated Flat Head Socket Cap Screw
18	8	LN 5/16 N	Locknut - 5/16-18 Type NE Zinc Plated Nylon Insert
19	8	FW 5/16	Flatwasher - 5/16" Zinc Plated USS (3840)
20	4	HB 5/16-18X1.0 Z5	Hex Bolt 5/16-18 x 1" Grade 5 Zinc Plated Hex Cap Screw N.C.
21	2	TL500301048	Push Off Tube
22	2	HB 3/4-10X4.0 Z5	Hex Bolt - 3/4-10 X 4 Hex Cap Screw Grade 5 Zinc N.C (60)
23	4	CP 3/16 X 1.0	Pin, Cotter 3/16 x 1
24	2	LN 3/4 N	Locknuts - 3/4-10 Zinc Plated Nylon Insert
25	1	27230	Push-Off Latch Pin
26	1	27566	Spring
27	1	RP 1/4X2.1/2	Pin - Roll Pin 1/4 x 2 1/2"

- 25, 26 and 27 are used on wrappers with a serial # from 11R011 – 12R218.

# Ram - Current

For wrappers with a serial # from 13R001 to current

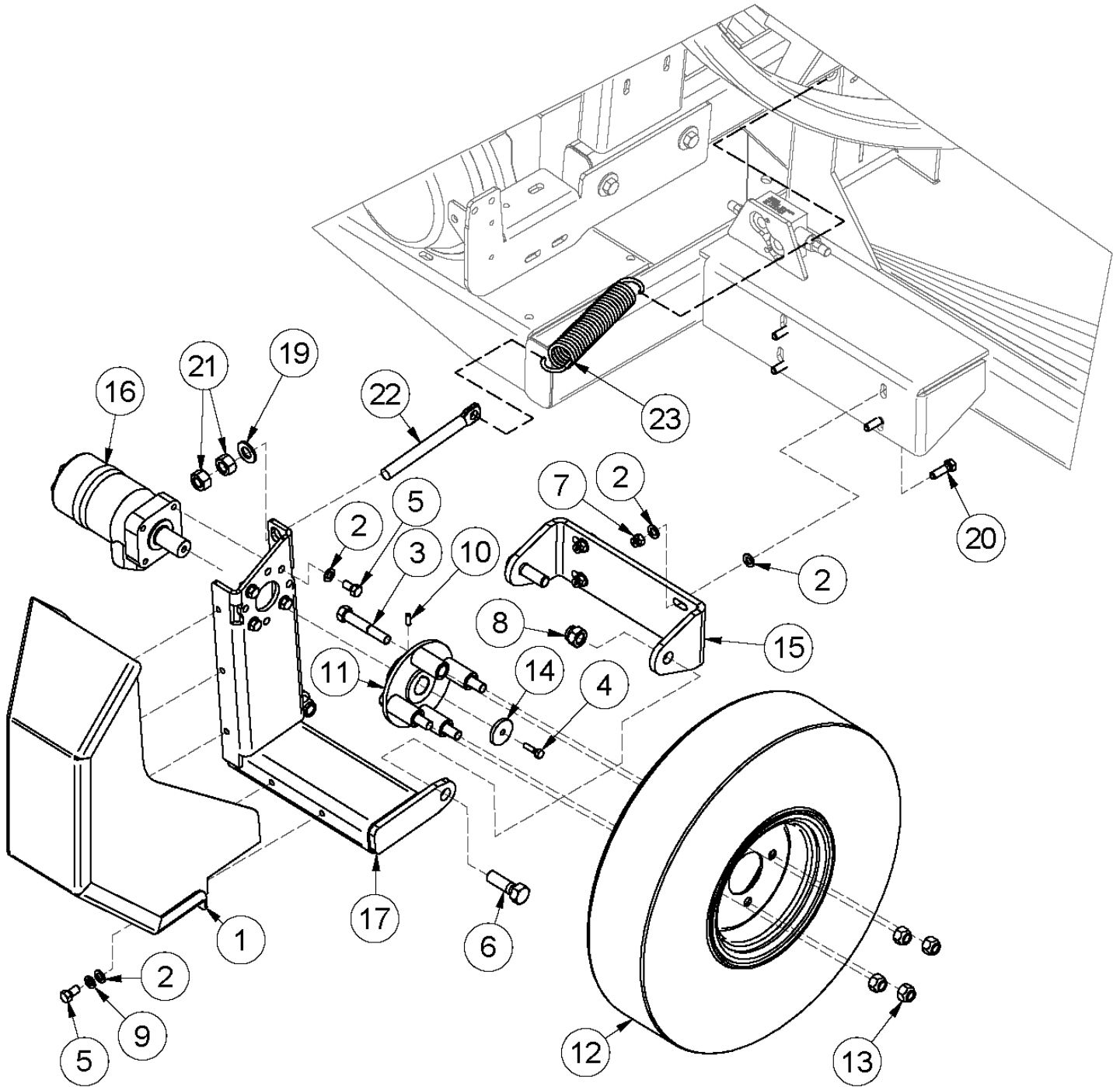


## Ram - Current

For wrappers with a serial # from 13R001 to current

ITEM	QTY	PART NUMBER	DESCRIPTION	SERIAL BREAK
1	1	30927	Ram	13R001 to 16R234
		40830	Large Hoop Ram	16R236 to Current
2	1	30961	Left Side Ram Tube	
3	2	30967	Last Push Off Tube Holder	
4	1	30991	Right Side Ram Tube	
5	4	TL500-301-048	Push Off Tube	
6	1	TL550-100-042	Ram Cylinder Pin	
7	2	TL550-100-043	Ram Cylinder	
8	4	TL5X2-301-156	Ram Wheel Axle	
9	1	TL5X2-301-170	Right Side Rail	
10	1	TL5X2-301-171	Left Side Rail	
11	4	TL5X2-301-157	Ram Wheel	
12	1	TL5X2-301-176	Left Door Track	
13	1	TL5X2-301-172	Right Door Track	
14	4	CP 3/16 X 2.0	Pin, Cotter - 3/16 x 2.0	
15	8	HB 5/16-18X1.0 FHSCS	Hex Bolt - 5/16-18 x 1" Zinc Plated Flat Head Socket Cap Screw	
16	8	FW 5/16	Flatwasher - 5/16" Zinc Plated USS (3840)	
17	6	HB 5/8-11X2.0 Z5	Hex Bolt 5/8-11 x 2 Grade 5 Zinc Plated Hex Cap Screw N.C.	
18	4	HB 3/8-16X1.0 Z5	Hex Bolt 3/8-16 x 1" Grade 5 Zinc Plated Hex Cap Screw N.C.	
19	2	HB 3/4-10X4.0 Z5	Hex Bolt - 3/4-10 X 4 Hex Cap Screw Grade 5 Zinc N.C	
20	4	HN 3/4 JAM	Hex Jam Nut 3/4"-16 Zinc Plated N.F.	
21	8	LN 5/16 N	Locknut - 5/16-18 Type NE Zinc Plated Nylon Insert	
22	4	LN 3/8 N	Locknuts - 3/8-16 Zinc Plated Nylon Insert Lock Nut	
23	6	LN 5/8 N	Locknut - 5/8-11 Zinc Plated Nylon Insert Lock Nut	
24	2	LN 3/4 N	Locknuts - 3/4-10 Zinc Plated Nylon Insert	

# Hoop Drive

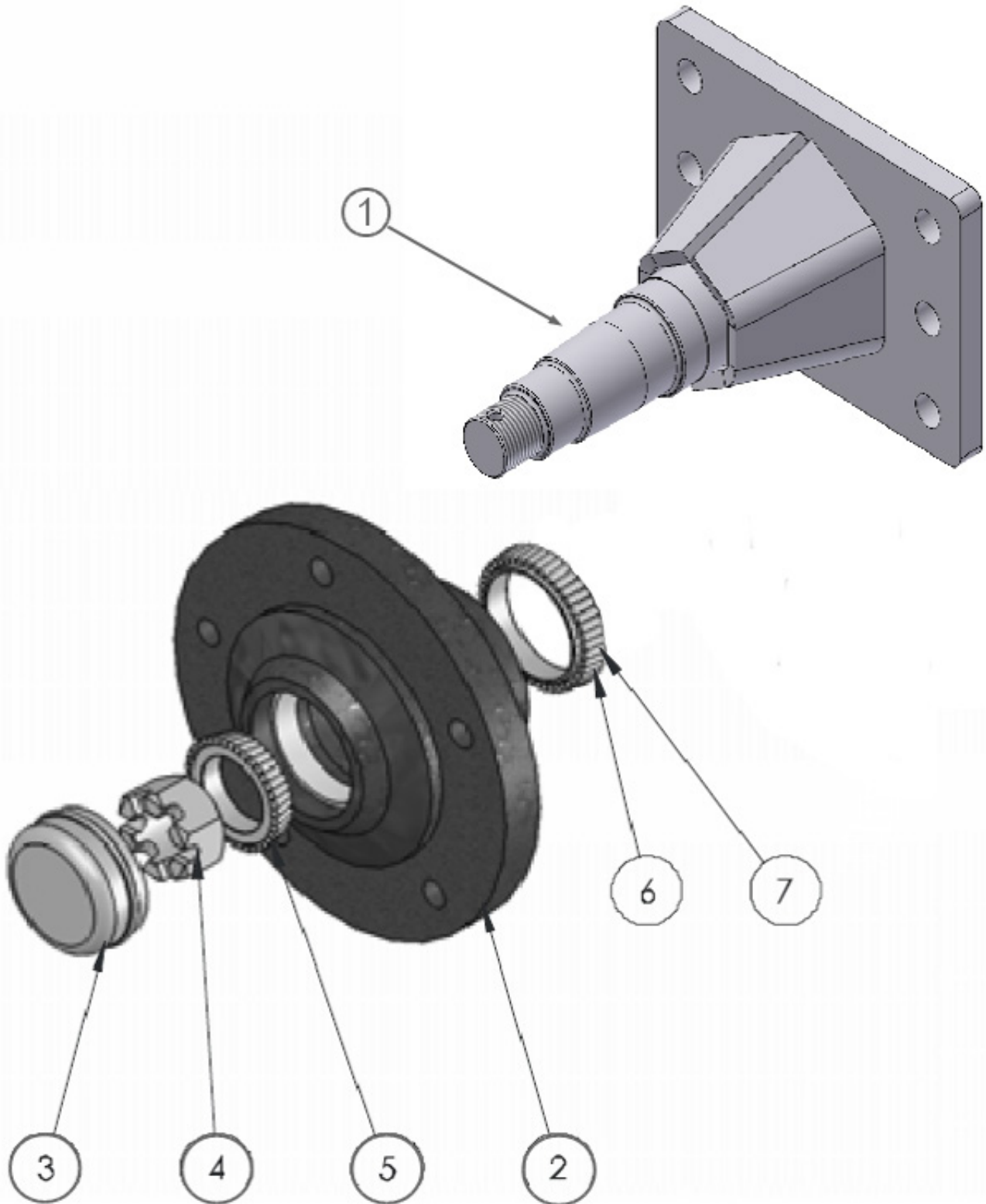




## Hoop Drive

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	25073	Hoop Wheel Guard
2	18	FW 3/8	Flatwasher Plated, 3/8" Zinc Plated USS (2984)
3	4	HB 1/2-20X3.0 Z5	Hex Bolt 1/2"-20 x 3" Grade 5 Zinc Plated Hex Cap Screw N.F.
4	1	HB 1/4-20X1.0 Z5	Hex Bolt 1/4-20 x 1" Grade 5 Zinc Plated Hex Cap Screw N.C.
5	9	HB 3/8-16X 3/4 Z5	Hex Bolt - 3/8-16 x 3/4" Grade 5 Zinc Plated Hex Cap Screw N.C.
6	2	HB 5/8-11X2.0 Z5	Hex Bolt 5/8-11 x 2 Grade 5 Zinc Plated Hex Cap Screw N.C.
7	4	LN 3/8 N	Locknuts - 3/8-16 Zinc Plated Nylon Insert Lock Nut
8	2	LN 5/8 N	Locknut - 5/8-11 Zinc Plated Nylon Insert Lock Nut
9	5	LW 3/8	Lockwasher - 3/8" Zinc Plated Medium Split (5500)
10	2	SS 14X34	Allan Head Set Screw, Cup Point Set Screw 1/4 x 3/4
11	1	TL500-100-051	Hoop Drive Wheel Hub
12	1	TL500-100-052	Drive Wheel
13	4	TL500-100-054	Wheel Nut, 1/2"
14	1	TL552404	Hoop Motor Plate
15	1	TL5X2-100-090	Hoop Wheel Base
16	1	TL5X2-200-050	Hydraulic Motor (M + S 2009 Models)
17	1	TL5X2-100-049	Hoop Motor Mount
19	1	FW 5/8	Flatwasher - 5/8" Zinc Plated USS (516)
20	4	HB 3/8-16X1.1/4 Z5	Hex Bolt 3/8-16 x 1 1/4" Grade 5 Zinc Plated Hex Cap Screw N.C.
21	2	HN 5/8	Hex Nut - 5/8"-11 Grade 5 Zinc Plated Finished N.C.
22	1	PP00051	Flat Eye Bolt 5/8 x 7.0
23	1	TL500-101-231	Wheel Tensioner Spring

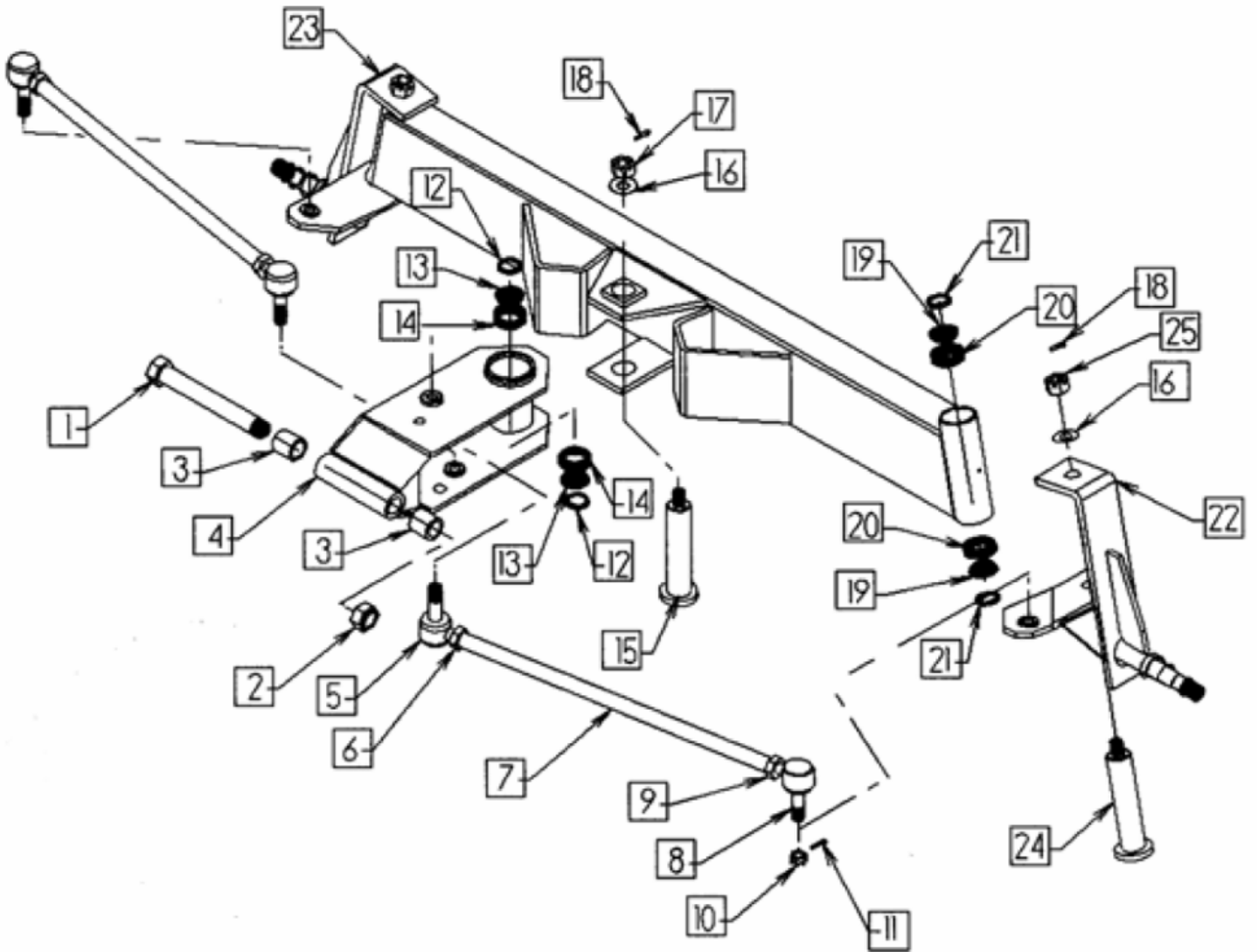
# Axle - Spindle - Hub



## Axle - Spindle - Hub

<b>ITEM</b>	<b>QTY</b>	<b>PART NUMBER</b>	<b>DESCRIPTION</b>	<b>SERIAL BREAK</b>
1	1	TL550-200-001	Spindle	Up to 11R012
1	1	TL109-100-356	Spindle	11R012 to Current
2	1	TL500-100-066	Hub	
3	1	TL500-100-073	Dust Cap	
4	1	TL500-100-070	Castellated Nut	
5	1	TL500-100-068	Outer Bearing	
6	1	TL500-100-064	Inner Bearing	
7	1	TL500-100-063	Inner Seal	

# Front Steering



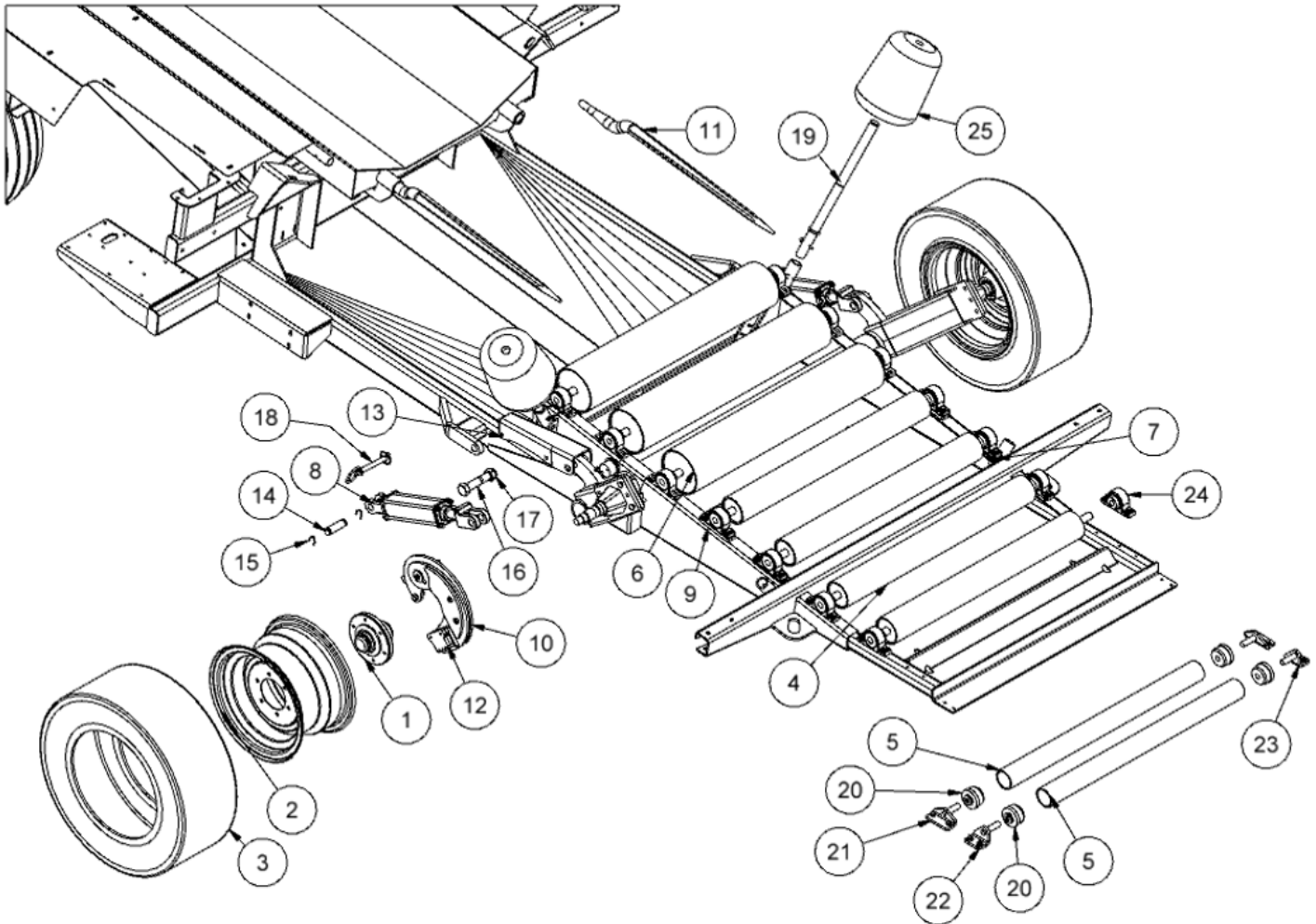
## Front Steering

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	TL500-100-152	7/8 x 8 Bolt
2	1	TL500-100-153	7/8 Locknut
3	2	TL550-111-012	Tongue Bracket Bushing
4	1	TL550-221-008	Tongue Bracket Asm
5	2	TL550-111-006	Tie Rod End Right Thread
6	2	TL550-111-003	¾ Jam Nut (NF RH)
7	2	TL550-220-001	Tie Rod
8	2	TL550-111-007	Tie Rod End Left Thread
9	2	TL550-111-002	¾ Jam nut (NF LH)
10	4	TL550-111-004	9/16 NF Slotted Hex Nut
11	4	TL550-111-005	1/8 Cotter Pin
12	2	TL550-111-011	Tongue Bracket Seal
13	2	TL550-111-010	Tongue Bracket Timkin Bearing
14	2	TL550-111-009	Tongue Bracket Timkin Cup
15	1	TL550-221-013	Tongue Bracket Pin
16	3	TL550-111-014	13/16 Flatwasher
17	1	TL550-111-015	Tongue Bracket Nut
18	3	TL550-111-016	3/16 x 2 Cotter Pin
19	4	TL550-200-080	Spindle Bearing Timkin Cone
20	4	TL550-200-081	Spindle Bearing Timkin Cup
21	4	TL550-200-082	Spindle Bearing Seal
22	1	TL550-100-083	Left Side Spindle Assy
23	1	TL550-100-084	Right Side Spindle Assy
24	2	TL550-100-085	Spindle Pin
25	2	TL500-100-070	1" Fine Thread Castle Nut



# Rear Axle & Roller Bed - Original

For wrappers with a serial # up to 11R012



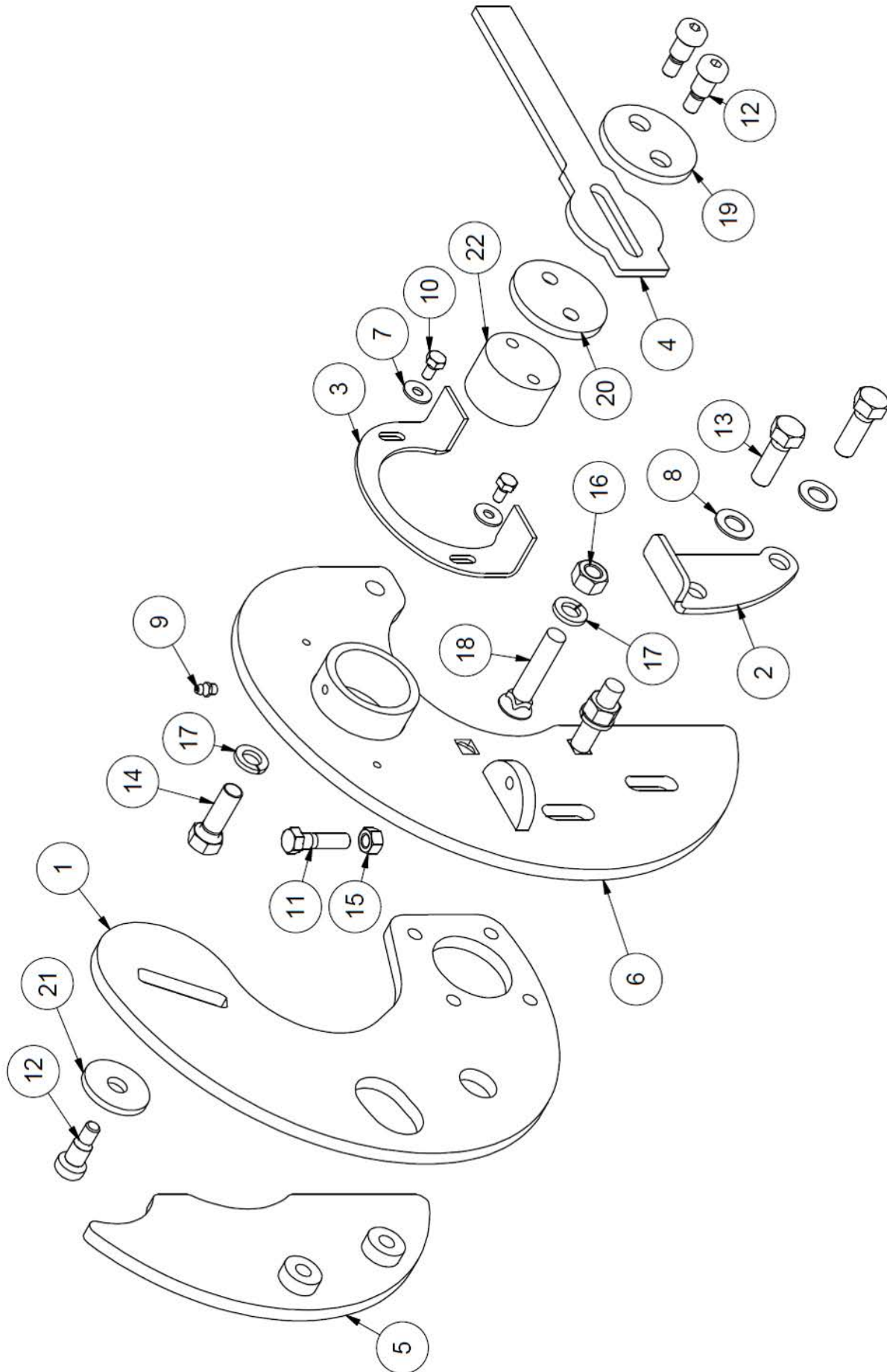
## Rear Axle & Roller Bed - Original

For wrappers with a serial # **up to** 11R012

ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	TL5X2-500-113	Hub c/w Parts (4000 lb)
2	2	TL550-200-134	Rim with Gear
3	2	TL5X2-500-114	Lug Tire
4	4	TL500-100-099	4" Roller
5	2	TL550-200-106	2 7/8" Roller
6	3	TL500-100-086	6 5/8" Roller
7	3	TL5X2-500-124	1/4" Roller Spacer
8	2	36422	Hydraulic Cylinder for TLR5000 Lift Tail
9	2	TL5X2-500-125	1/2" Roller Spacer
10	1	TL109-100-355	Power Drive Assembly
11	2	TL5X2-500-123	35" Crank Tine
12	1	TL109-100-345	Parking brake pad
13	1	TL5X2-500-117	Transport Lock
14	2	TL5X2-500-116	Cylinder Pin
15	4	TL25299	Cylinder Clip
16	1	HB 1-8X5.0 Z5	Hex Bolt 1"-8 x 5" Grade 5 Zinc Plated Hex Cap Screw N.C.
17	1	LN 1.0 N	Locknuts - 1-8 Zinc Plated Nylon Insert
18	1	TL25415	Transport Lock Pin
19	2	TL550-301-239	Guide Roller Spindle
20	4	TL550-100-092	3/4" Nylon Bearing End Cap
21	2	TL550-200-003	Small Roller Mount
22	1	TL550-200-005	Left Rear Small Roller Mount
23	1	TL550-200-004	Right Rear Small Roller Mount
24	14	TL550-100-030	1" Pillow Block Bearing
25	2	TL550-301-238	Plastic Guide Roller

# TL109-100-355 - Original Brake Assembly

For wrappers with a serial # up to 11R012



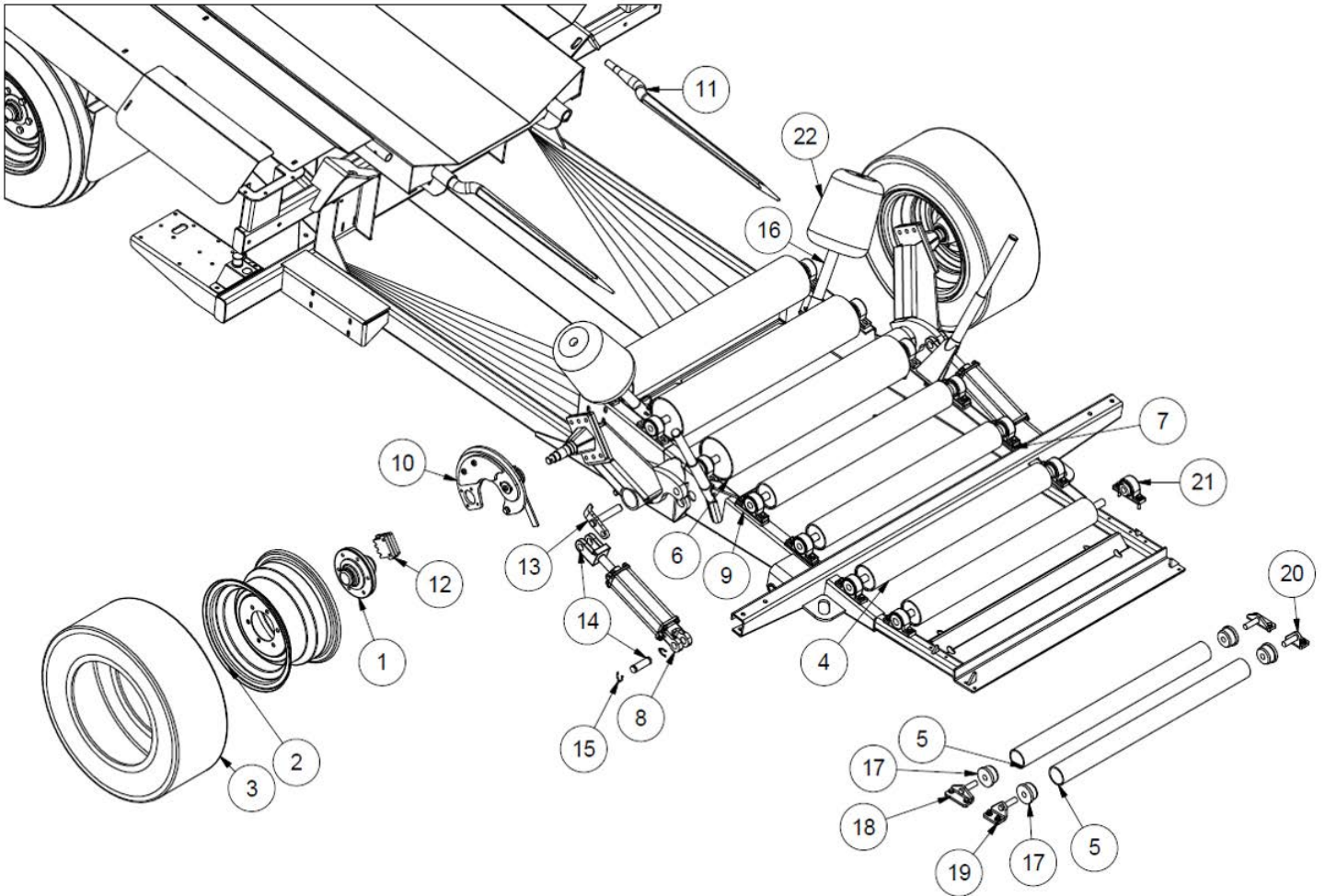
## TL109-100-355 - Original Brake Assembly

For wrappers with a serial # **up to** 11R012

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	25116	Drive Engaging Plate
2	1	25119	Outside Plate Guide
3	1	25121	Handle Lock
4	1	25122	Handle
5	1	25123	Bolt-On Plate
6	1	25124	Powerdrive Plate
7	2	FW 1/4	Flatwasher - 1/4" Zinc Plated USS
8	2	FW 1/2	Flatwasher - 1/2" Zinc Plated USS
9	1	GR.25X28	Grease Nipple
10	2	HB 1/4-20X0.5 Z5	Hex Bolt 1/4-20x1/2 Grade 5 Zinc Plated Hex Cap Screw
11	1	HB 3/8-16X1.5 Z5	Hex Bolt 3/8-16x1 1/2 Grade 5 Zinc Plated Hex Cap Screw
12	3	HB 1/2X5/8 SS	Socket Head Shoulder Screws - 1/2" Shldr x 5/8" x 3/8-16
13	2	HB 1/2-13X1.5 Z5	Hex Bolt 1/2-13x1 1/2 Grade 5 Zinc Plated Hex Cap Screw
14	1	HB 1/2-20 X1.5 YZ8	Hex Bolt 1/2-20x1 1/2 Grade 8 Zinc Hex Cap Screw
15	1	HN 3/8	Hex Nut 3/8"-16 Grade 5 Zinc Plated Finished
16	2	HN 1/2	Hex Nut 1/2"-13 Grade 5 Zinc Plated Finished
17	3	LW 1/2	LW - 1/2" Zinc Plated Medium Split
18	2	PB 1/2-13X2.5	Plow Bolts - 1/2-13 x 2 1/2 Flat Head Gr.5
19	1	WHEEL2012	Outside Handle Washer
20	1	WHEEL20121	Inside Handle Washer
21	1	WHEEL2013	Inside Cam Washer
22	1	WHEEL9	Eccentric

## Rear Axle & Roller Bed - Current

For wrappers with a serial # from 11R012 to current





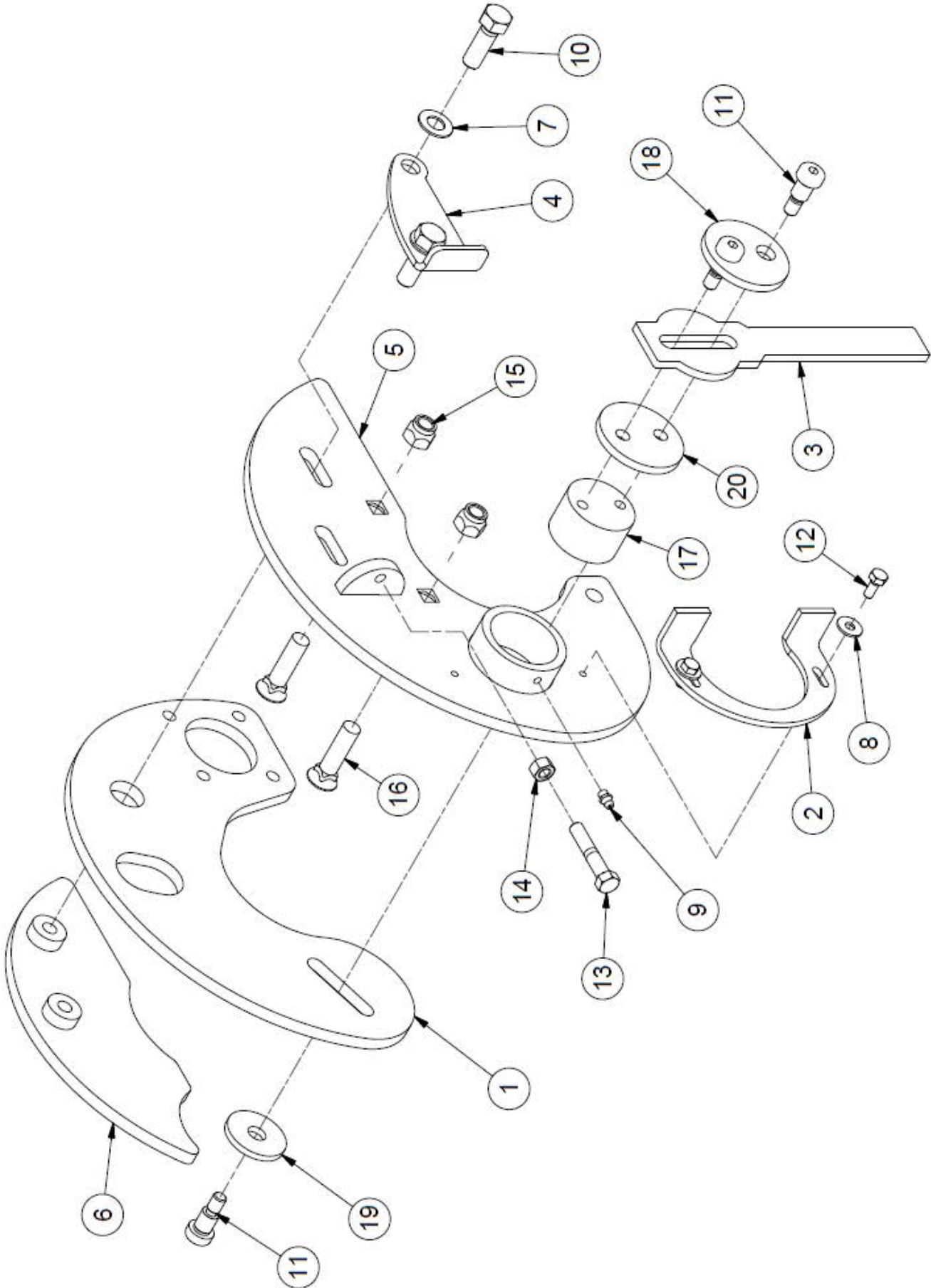
## Rear Axle & Roller Bed - Current

For wrappers with a serial # **from** 11R012 **to** current

ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	TL5X2-500-113	Hub c/w Parts (4000 lb)
2	2	TL550-200-134	Rim with Gear
3	2	TL5X2-500-114	Lug Tire
4	4	TL500-100-099	4" Roller
5	2	TL550-200-106	2 7/8" Roller
6	3	TL500-100-086	6 5/8" Roller
7	2	TL5X2-500-124	1/4" Roller Spacer
8	2	36642	Hydraulic Cylinder for TLR5000 Lift Tail
9	2	TL5X2-500-125	1/2" Roller Spacer
10	1	TL109-100-360	Power Drive Assembly
11	2	TL5X2-500-123	35" Crank Tine
12	1	TL109-100-345	Parking Brake Pad
13	1	27528	Transport Lock Pin
14	2	TL5X2-500-116	Cylinder Pin
15	4	25299	Cylinder Clip
16	2	TL550-301-239	Guide Roller Spindle
17	4	TL550-100-092	3/4" Nylon Bearing End Cap
18	2	TL550-200-003	Small Roller Mount
19	1	TL550-200-005	Left Rear Small Roller Mount
20	1	TL550-200-004	Right Rear Small Roller Mount
21	14	TL550-100-030	1" Pillow Block Bearing
22	2	TL550-301-238	Plastic Guide Roller

# TL109-100-360 - Current Brake Assembly

For wrappers with a serial # from 11R012 to current

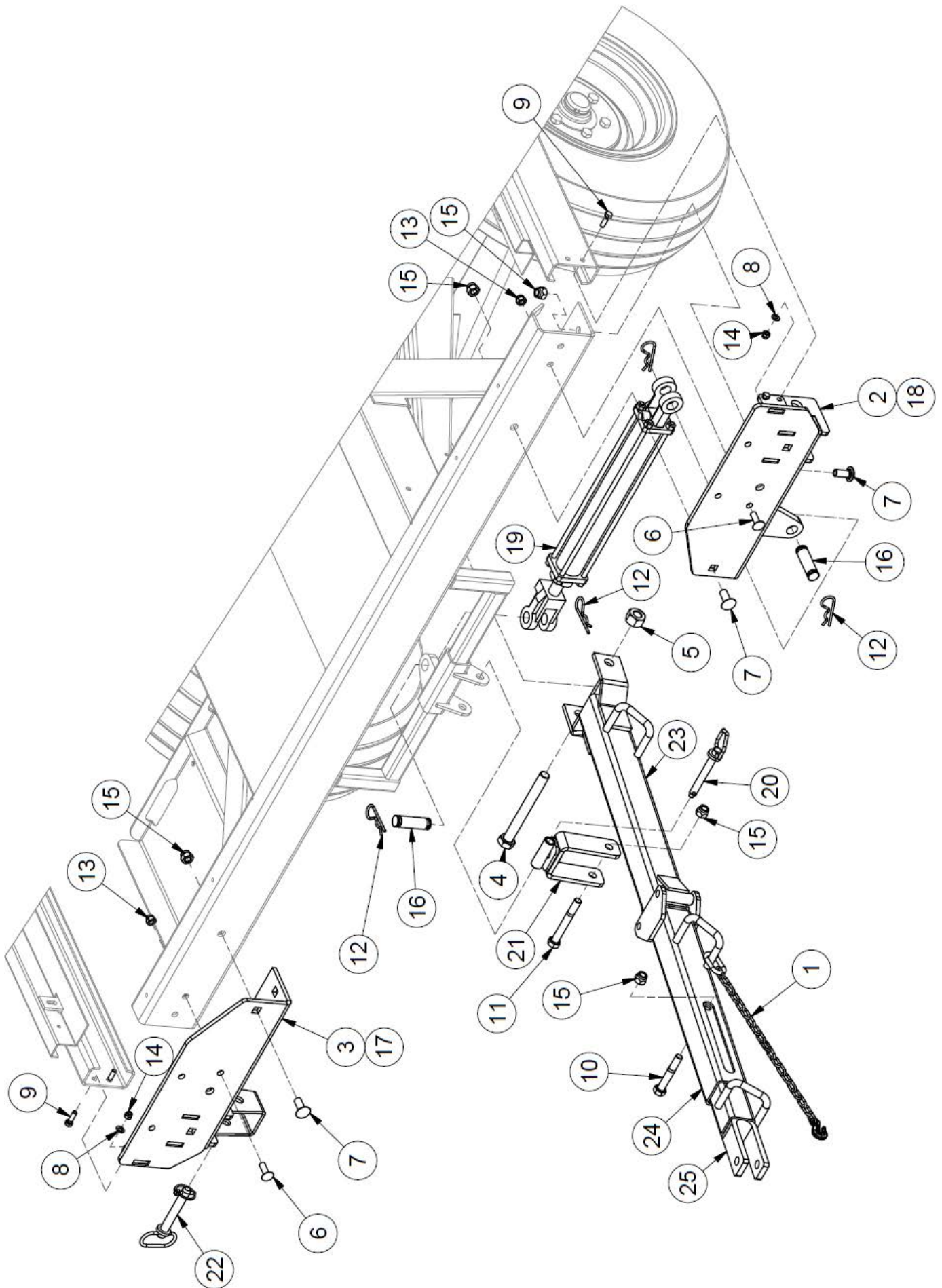


## TL109-100-360 - Current Brake Assembly

For wrappers with a serial # **from** 11R012 **to** current

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	25116	Drive Engaging Plate
2	1	25121	Handle Lock
3	1	25122	Handle
4	1	25687	Outside Plate Guide
5	1	25688	Power Drive Plate Weldment
6	1	25703	Bolt On Plate
7	2	FW 1/2	Flatwasher - 1/2" Zinc Plated USS
8	2	FW 1/4	Flatwasher - 1/4" Zinc Plated USS
9	1	GR.25X28	GREASE NIPPLE
10	2	HB 1/2-20X1.5 Z5	Hex Bolt 1/2-20x1 1/2 Grade 5 Zinc Plated Hex Cap Screw
11	3	HB 1/2X5/8 SS	Socket Head Shoulder Screws - 1/2 Shldr x 5/8 x 3/8-16
12	2	HB 1/4-20X0.625 Z5	Hex Bolt 1/4-20x5/8 Grade 5 Zinc Plated Hex Cap Screw
13	1	HB 3/8-16X2 Z5	Hex Bolt 3/8-16x2 Grade 5 Zinc Plated Hex Cap Screw
14	1	HN 3/8	Hex Nut 3/8"-16 Grade 5 Zinc Plated Finished
15	2	LN 1/2 N	LN 1/2-13 Zinc Plated Nylon Insert Lock Nut
16	2	PB 1/2-13X2	Plow Bolts - 1/2-13 x 2 Flat Head Gr.5
17	1	TLWHEEL9	Power Drive Eccentric
18	1	TLWHEEL2012	Outside Handle Washer
19	1	TLWHEEL2013	Inside Cam Washer
20	1	TLWHEEL20121	Inside Handle Washer

# Front Corners

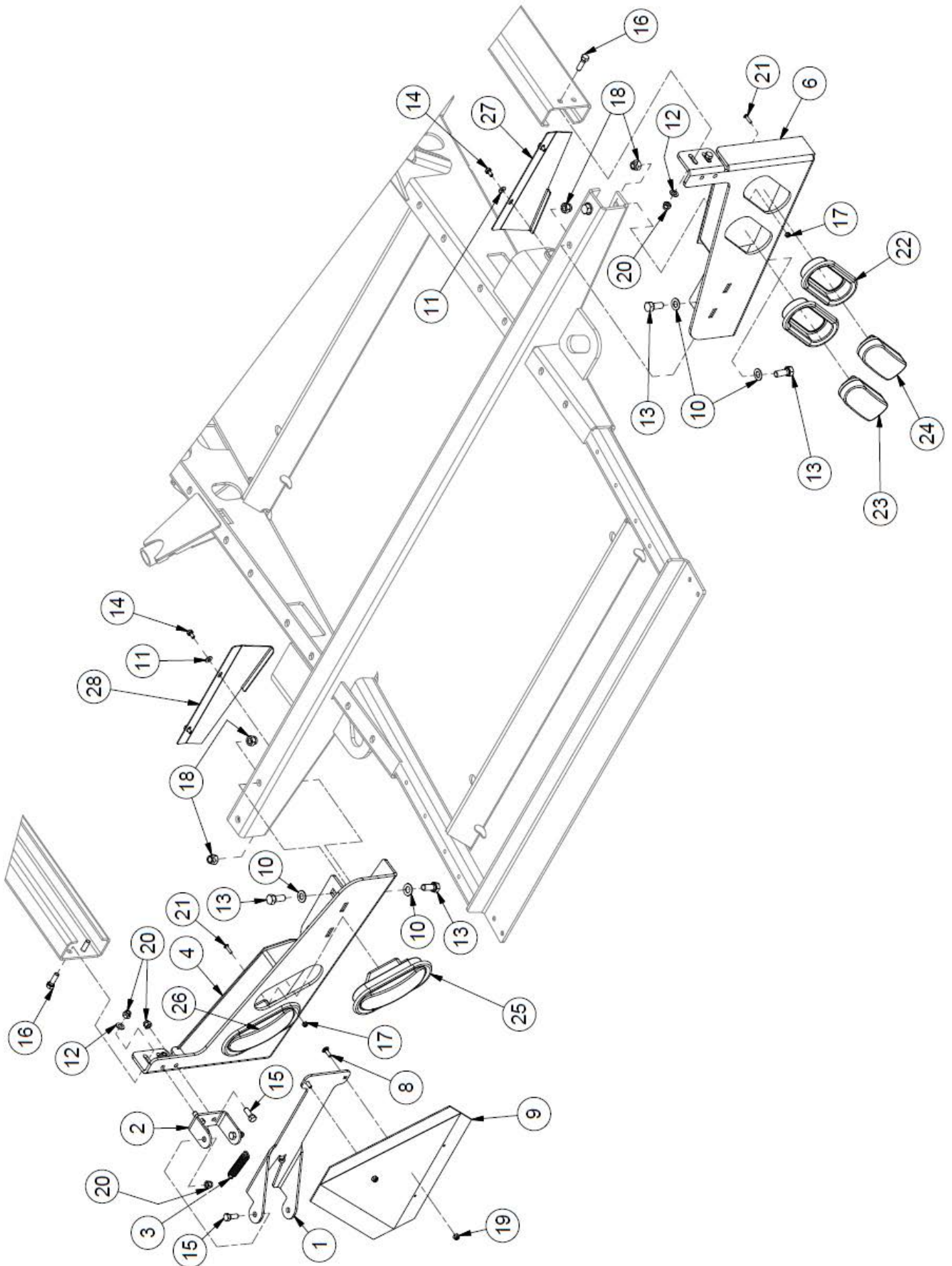


## Front Corners

ITEM	QTY	PART NUMBER	DESCRIPTION	SERIAL BREAK
1	1	25261	Safety Chain 10000 # 59"	
2	1	39528	Front Left Corner	16R236 to Current
3	1	39547	Front Right Corner	16R236 to Current
4	1	HB 7/8-9X8.0 Z5	Hex Bolt Plated Gr. 5 N.C	
5	1	LN 7/8 N	Locknuts 7/8-9 Zinc Plated Nylon Insert Lock Nut	
6	2	CB 1/2-13 X1.5 Z5	Carriage Bolt - 1/2-13 x 1 1/2" Grade 5 Zinc	
7	6	CB 5/8-11 X1.5 Z5	Carriage Bolt - 5/8-11 x 1 1/2" Grade 5 Zinc	
8	4	FW 3/8	Flatwasher - 3/8" Zinc Plated USS	
9	4	HB 3/8-16X1.25 Z5	Hex Bolt 3/8-16x1 1/4 Grade 5 Zinc Plated Hex Cap Screw	
10	1	HB 5/8-11X4 Z5	Hex Bolt 5/8-11x4 Grade 5 Zinc Plated Hex Cap Screw	
11	1	HB 5/8-11X5 Z5	Hex Bolt 5/8-11x5 Grade 5 Zinc Plated Hex Cap Screw	
12	4	HP 5/32 X 3.0	Pin Hair - #9 9Ga 3-1/16" OAL Zinc Plated	
13	2	LN 1/2 N	LN 1/2-13 Zinc Plated Nylon Insert Lock Nut	
14	4	LN 3/8 N	LN 3/8-16 Zinc Plated Nylon Insert Lock Nut	
15	8	LN 5/8 N	LN 5/8-11 Zinc Plated Nylon Insert Lock Nut	
16	2	TL5X2-500-116	Cylinder Pin	
17	1	TL5X2-500-131	Front Right Corner	13R001 to 16R234
18	1	TL5X2-500-132	Front Left Corner	13R001 to 16R234
19	1	TL500-100-103	Hydraulic Cylinder, 2 x 16	
20	1	TL500-100-154	Tongue Pin	
21	1	TL500-100-160	Tongue Holder	
22	1	TL550-100-050	Pushoff Pin	
23	1	TL550-100-051	Main Tongue	
24	1	TL550-100-052	Swinging Tongue	
25	1	TL550-100-053	Sliding Tongue	



# Rear Corners

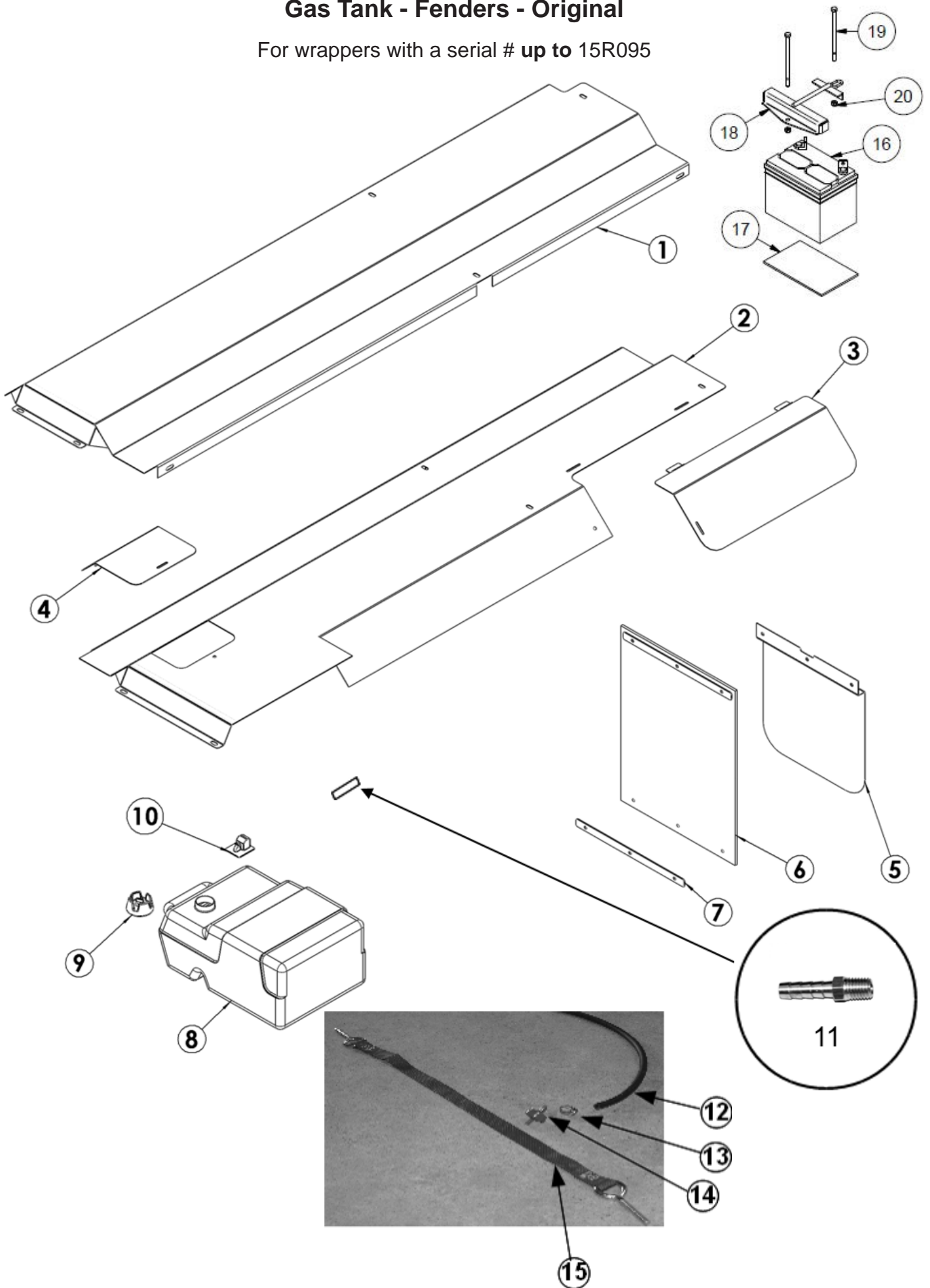


## Rear Corners

ITEM	QTY	PART NUMBER	DESCRIPTION	SERIALBREAK / NOTE
1	1	25075	SMV Attachment	
2	1	25534	SMV Mounting Bracket	
3	1	28771	SMV Spring	
4	1	39524	Rear Corner Left Light Bracket Weldment	16R236 to Current
5	1	TL5X2-500-135	Left Rear Light Bracket	13R001 to 16R234
6	1	39848	Rear Right Light Mount	16R236 to Current
7	1	TL5X2-500-134	Right Rear Light Bracket	13R001 to 16R234
8	2	CB 1/4-20 X0.75 Z5	Carriage Bolt - 1/4-20 x 3/4" Grade 5 Zinc	
9	1	DESMV	Slow Moving Vehicle Sign (High Quality Reflective Strips)	
10	8	FW 1/2	Flatwasher - 1/2" Zinc Plated USS	
11	4	FW 1/4	Flatwasher - 1/4" Zinc Plated USS	
12	4	FW 3/8	Flatwasher - 3/8" Zinc Plated USS	
13	8	HB 1/2-13X1.25 Z5	Hex Bolt 1/2-13x1 1/4 Grade 5 Zinc Plated Hex Cap Screw	
14	4	HB 1/4-20X0.5 Z5	Hex Bolt 1/4-20x1/2 Grade 5 Zinc Plated Hex Cap Screw	
15	4	HB 3/8-16X1 Z5	Hex Bolt 3/8-16x1 Grade 5 Zinc Plated Hex Cap Screw	
16	4	HB 3/8-16X1.25 Z5	Hex Bolt 3/8-16x1 1/4 Grade 5 Zinc Plated Hex Cap Screw	
17	2	LN #10 N	LN 3/16-24 Zinc Plated Nylon Insert Lock Nut	
18	8	LN 1/2 N	LN 1/2-13 Zinc Plated Nylon Insert Lock Nut	
19	2	LN 1/4 N	LN 1/4-20 Zinc Plated Nylon Insert Lock Nut	
20	8	LN 3/8 N	LN 3/8-16 Zinc Plated Nylon Insert Lock Nut	
21	2	MS #10X24X0.75	Machine Screw - (Inch)	
22	4	TL5X2-500-136	Light Grommet	
23	2	TL5X2-500-137	Red Brake Light	
24	2	TL5X2-500-138	Amber Brake Light	
25	2	TL5X2-500-140	Red Light Kit	Items 22 & 23
26	2	TL5X2-500-141	Amber Light Kit	Items 22 & 24
27	1	TL5X2-500-170	Right Rear Cross Member Cap	
28	1	TL5X2-500-171	Left Rear Cross Member Cap	

# Gas Tank - Fenders - Original

For wrappers with a serial # up to 15R095



## Gas Tank - Fenders - Original

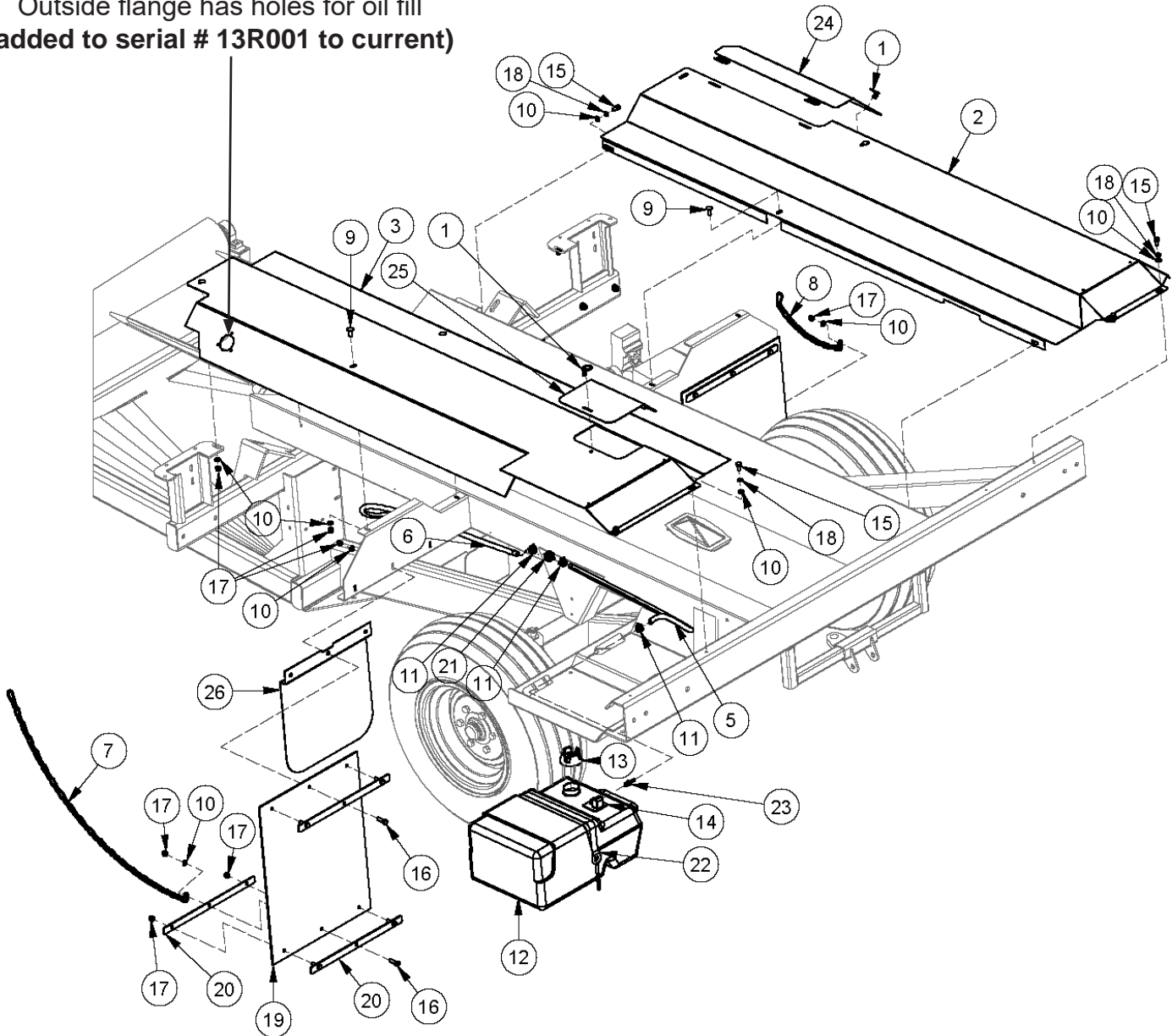
For wrappers with a serial # up to 15R095

ITEM	QTY	PART #	DESCRIPTION
1	1	TL5X2-500-145	Right Fender
2	1	TL5X2-500-146	Left Fender
3	1	TL5X2-500-147	Engine Cover
4	1	TL5X2-500-148	Fuel Cap Cover
5	1	TL5X2-500-149	Heat Shield
6	2	TL550-100-054	Mud Flap
7	6	TL500-100-164	Mud Flap Strap
8A		TL5X2-500-150	Fuel Tank c/w Outlet (Ref # 8-13)
8	1	TL550-204-100	Fuel Tank
9	1	TL550-204-101	Vented Fuel Tank Cap
10	1	TL550-204-103	Fuel Gauge
11	1	TL5X2-201-108	Hose Adaptor
12	1	TL5X2-201-107	Fuel Line
13	4	TL550-204-109	Hose Clamp
14	1	TL550-200-111	Fuel Filter
15	1	TL550-204-110	Fuel Tank Tie Down Strap
16	1	TLBATSP35	12V Battery
17	1	TL5X2-007-101	Rubber Battery Pad
18	1	TL500-301-221	Battery Hold-Down
19	2	HB 5/16-18X6.0 Z5	Hex Bolt - 5/16-18 x 6 Grade 5 Zinc Hex Cap Screw
20	2	LN 5/16 N	Locknut - 5/16-18 Type NE Zinc Plated Nylon Insert
	6	HB 5/16-18X1.0 Z5	Hex Bolt 5/16-18 x 1" Grade 5 Zinc Plated Hex Cap Screw N.C.
	6	FW 5/16	Flatwasher - 5/16" Zinc Plated USS (3840)
	6	HN 5/16	Hex Nut 5/16"-18 Grade 5 Zinc Plated Finished Hex Nut N.C.
		3/16 x 1" Chain	Mud Flap Chain (Left Side: 11 Links) (Right Side: 34 Links)

# Gas Tank - Fenders

For wrappers with a serial # from 15R100 to current

Outside flange has holes for oil fill  
(added to serial # 13R001 to current)



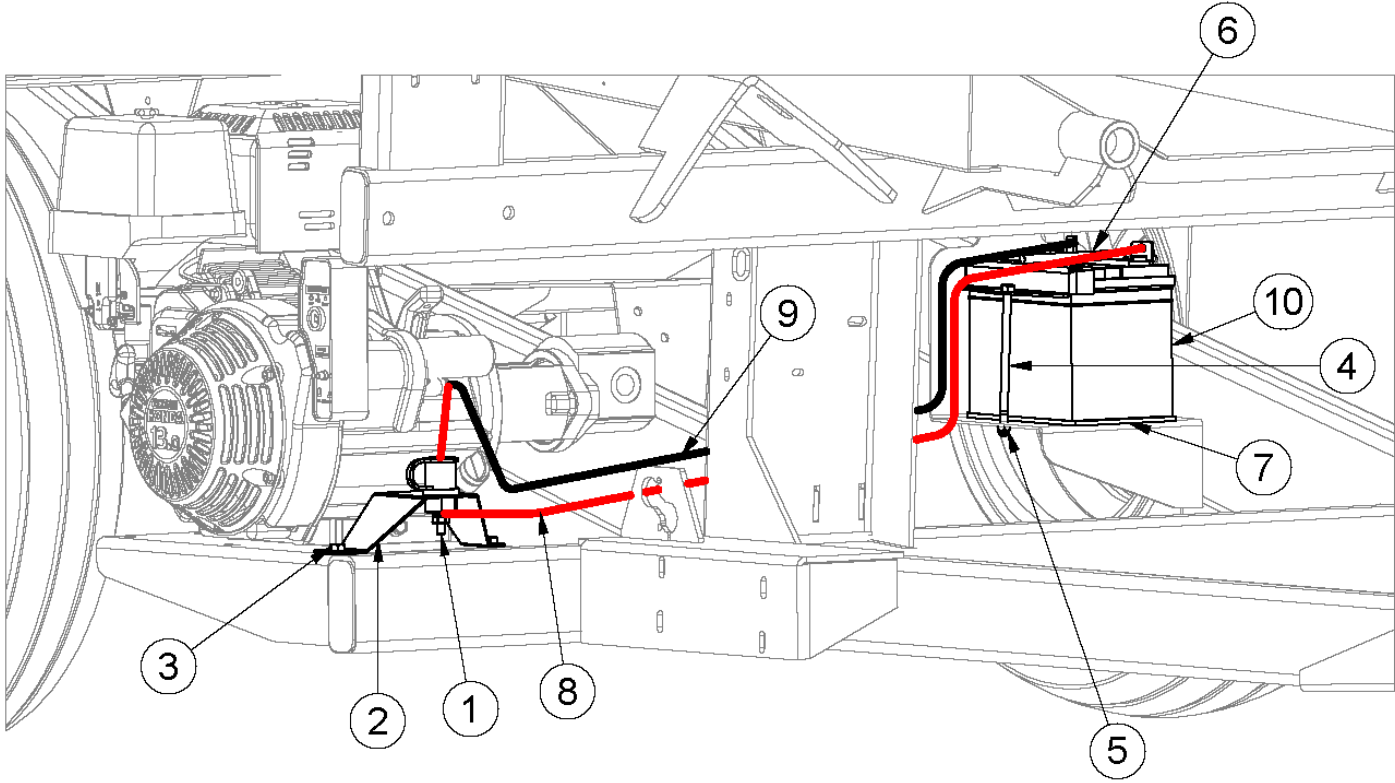
## Gas Tank - Fenders

For wrappers with a serial # from 15R100 to current

ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	36268	Cam Lock
2	1	36628	Left Side Fender
3	1	36646	Right Side Fender
4	1	38442	Right Mud Flap Chain
5	1	40956	Short Fuel Line
6	1	40957	Long Fuel Line
7	1	40958	Right Mud Flap Chain
8	1	40959	Right Mud Flap Chain
9	6	CB 3/8-16X1.0 Z5	Carriage Bolt - 3/8-16 x 1" Grade 5 Zinc
10	26	FW 3/8	Flatwasher Plated, 3/8" Zinc Plated USS
11	3	GC 4	Gear Clamp #4 .25 to .625"
12	1	TL550-204-100	Fuel Tank
13	1	TL550-204-101	Vented Cap for Fuel Tank
14	1	TL550-204-103	Fuel Gauge - Bale Wrapper
15	12	HB 3/8-16X 3/4 Z5	Hex Bolt - 3/8-16 x 3/4" Grade 5 Zinc Plated Hex Cap Screw N.C.
16	16	HB 3/8-16X1.1/4 Z5	Hex Bolt 3/8-16 x 1 1/4" Grade 5 Zinc Plated Hex Cap Screw N.C.
17	38	LN 3/8 N	Locknuts - 3/8-16 Zinc Plated Nylon Insert Lock Nut
18	8	LW 3/8	Lockwasher - 3/8" Zinc Plated Medium Split (5500)
19	2	TL500-100-163	Mud Flap (3/16 x 18 x 24)
20	6	TL500-100-164	Metal Strip Mud Flap
21	1	TL550-200-111	Fuel Filter
22	1	TL550-204-110	Tie Down Strap (Fuel Tank)
23	1	TL5X2-201-108	1/4 Barb x 1/4 NPT Fitting
24	1	TL5X2-500-147	Engine Cover
25	1	TL5X2-500-148	Fuel Cap Cover
26	2	TL5X2-500-149	Heat Shield



# Battery

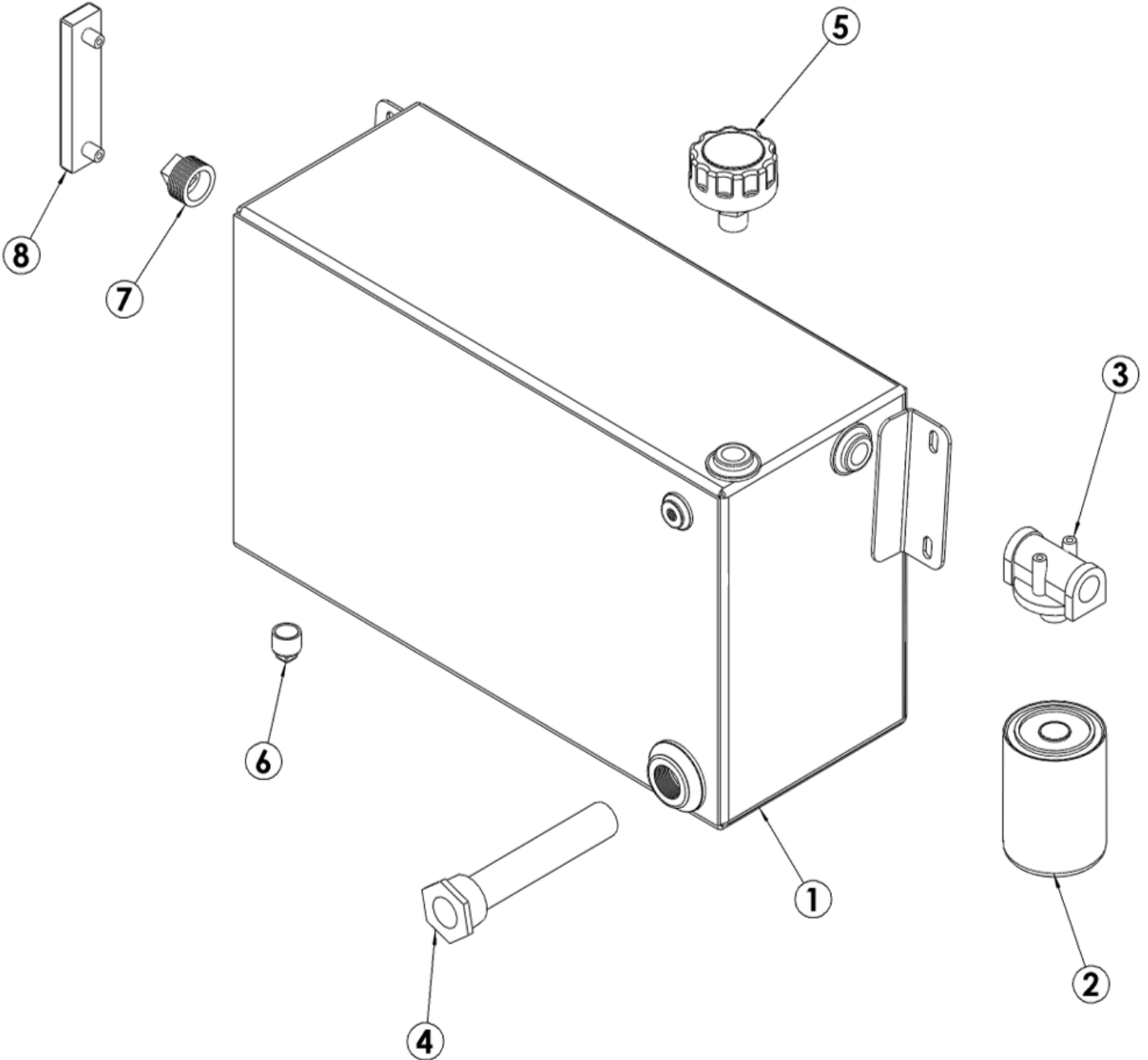


## Battery

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	30873	Battery Post
2	1	31383	Insulated Jumper Mount
3	16	HB 3/8-16X1.0 Z5	Hex Bolt 3/8-16 x 1" Grade 5 Zinc Plated Hex Cap Screw N.C.
4	2	HB 5/16-18X6.0 Z5	Hex Bolt - 5/16-18 x 6 Grade 5 Zinc Hex Cap Screw
5	2	LN 5/16 N	Locknut - 5/16-18 Type NE Zinc Plated Nylon Insert
6	1	TL500-301-221	Battery Hold-Down
7	1	TL5X2-007-101	Battery Rubber, 3/16 x 5 x 8 Mud Flap
8	1	TL5X2-500-159	Red Battery Cable
9	1	TL5X2-500-160	Black Battery Cable
10	1	TLBATSP35	SP-35 Interstate Battery

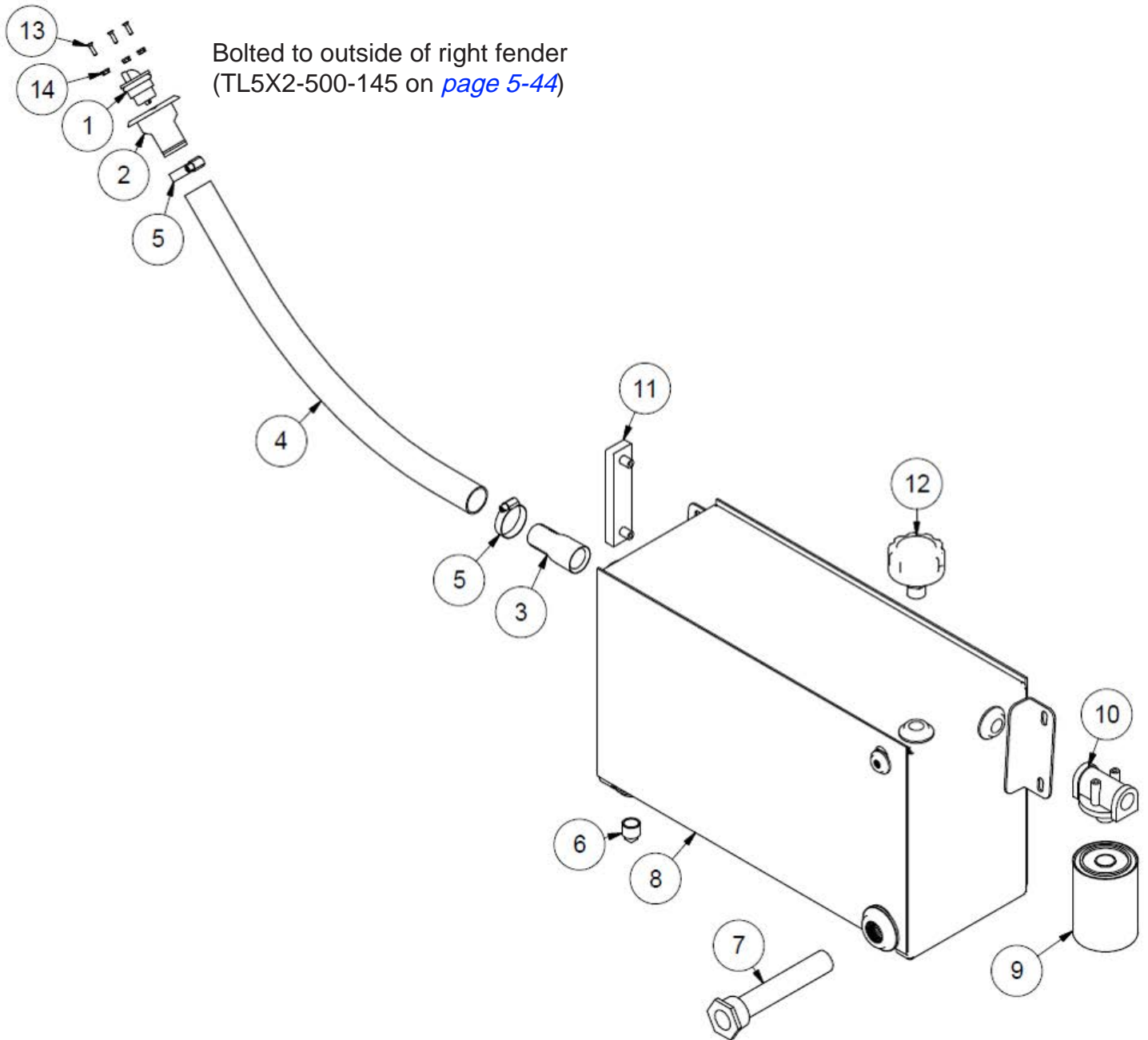
# Oil Tank - Original

For wrappers with a serial # up to 12R218



## Oil Tank - Current

For wrappers with a serial # **from 13R001 to current**



\* For wrapper serial # 13R001-13R054, use part # 30882 when ordering replacement.

## Oil Tank

For wrappers with a serial # **up to** 12R218

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	TL5X2-500-151	Hydraulic Oil Tank
2	1	TL500-100-173	10 Micron Filter
3	1	TL500-100-172	Filter Base
4	1	TL500-100-175	Suction Strainer
5	1	TL500-100-169	Breather Cap
6	1	TL500-100-174	Magnetic Plug
7	1	TL500-100-170	Filler Plug
8	1	TL500-100-171	Sight Gauge

For wrappers with a serial # **from** 13R001 **to** current

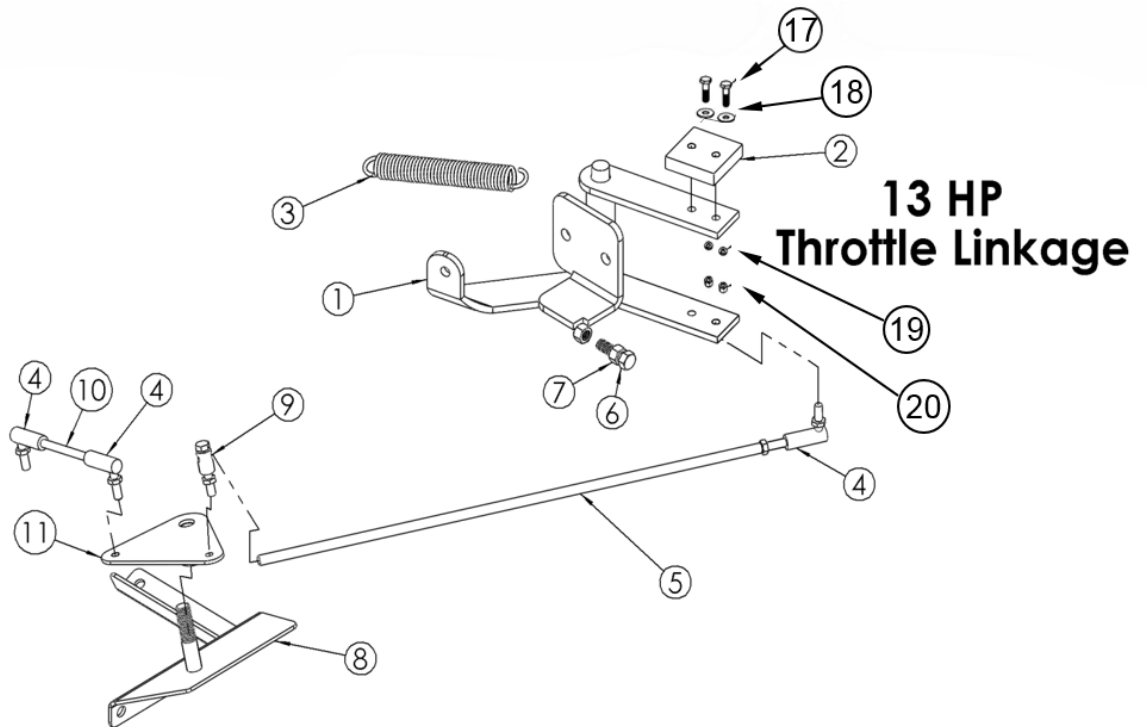
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	30868	Oil Fill Cap
2	1	30869	Oil Fill Body
3	1	30894*	Oil Fill Barbed Fitting
4	1	30883	Oil Fill Tube
5	2	30884	2" Gear Clamp
6	1	TL500-100-174	Magnetic Plug
7	1	TL500-100-175	Suction Strainer
8	1	TL5X2-500-151	Hydraulic Oil Tank
9	1	TL500-100-173	10 Micron Filter
10	1	TL500-100-172	Filter Base
11	1	TL500-100-171	Sight Gauge
12	1	TL500-100-169	Breather Cap
13	3	HB 10-24X 3/4 Z5	Hex Bolt - #10-24 x 3/4 Zinc Finish Flat Socket Cap Screw
14	3	HN 10-24	Nut - 10-24 Low Carbon Zinc Plated Machine Screw Nut

\* For wrapper serial # 13R001-13R054, use part # 30882 when ordering replacement.

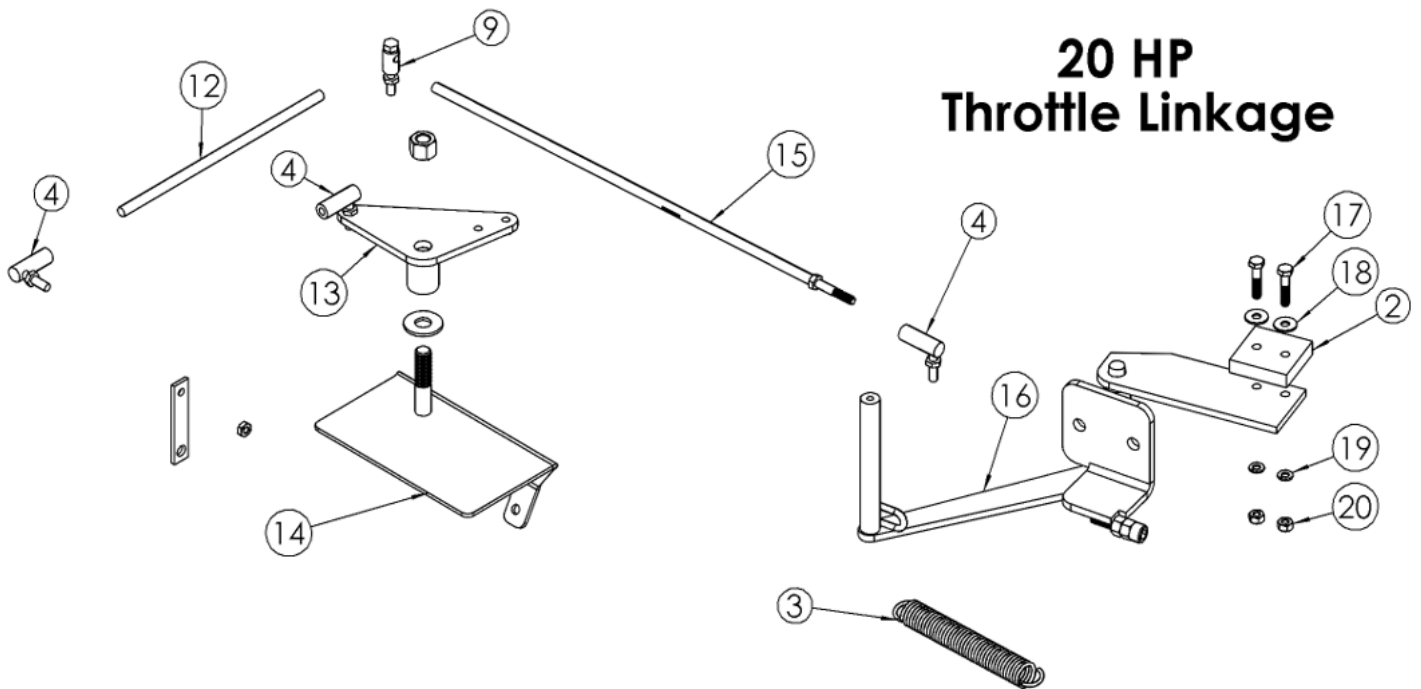
Oil in Unit: AW32 Hydraulic Oil

FILTER CROSS REFERENCE	
FILTER	REFERENCE
Stauf	SF6520
Gresen	F22001
Fram	P1653-A
Fleetguard	HF6510
Cross	1A9021

# Throttle Linkages - Original



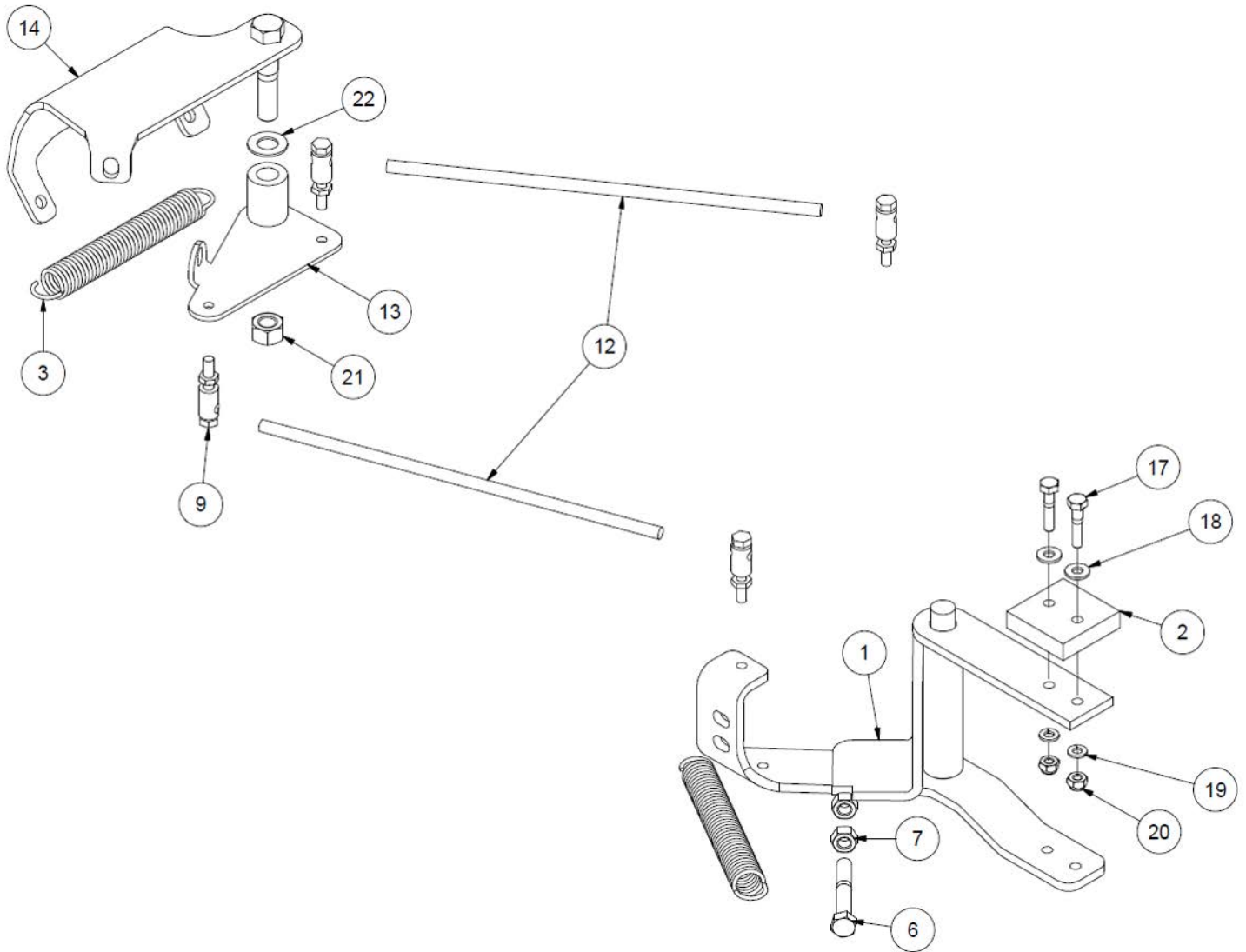
Prior to Serial # 10044





# Throttle Linkages - Current

Serial # 11R001 to current

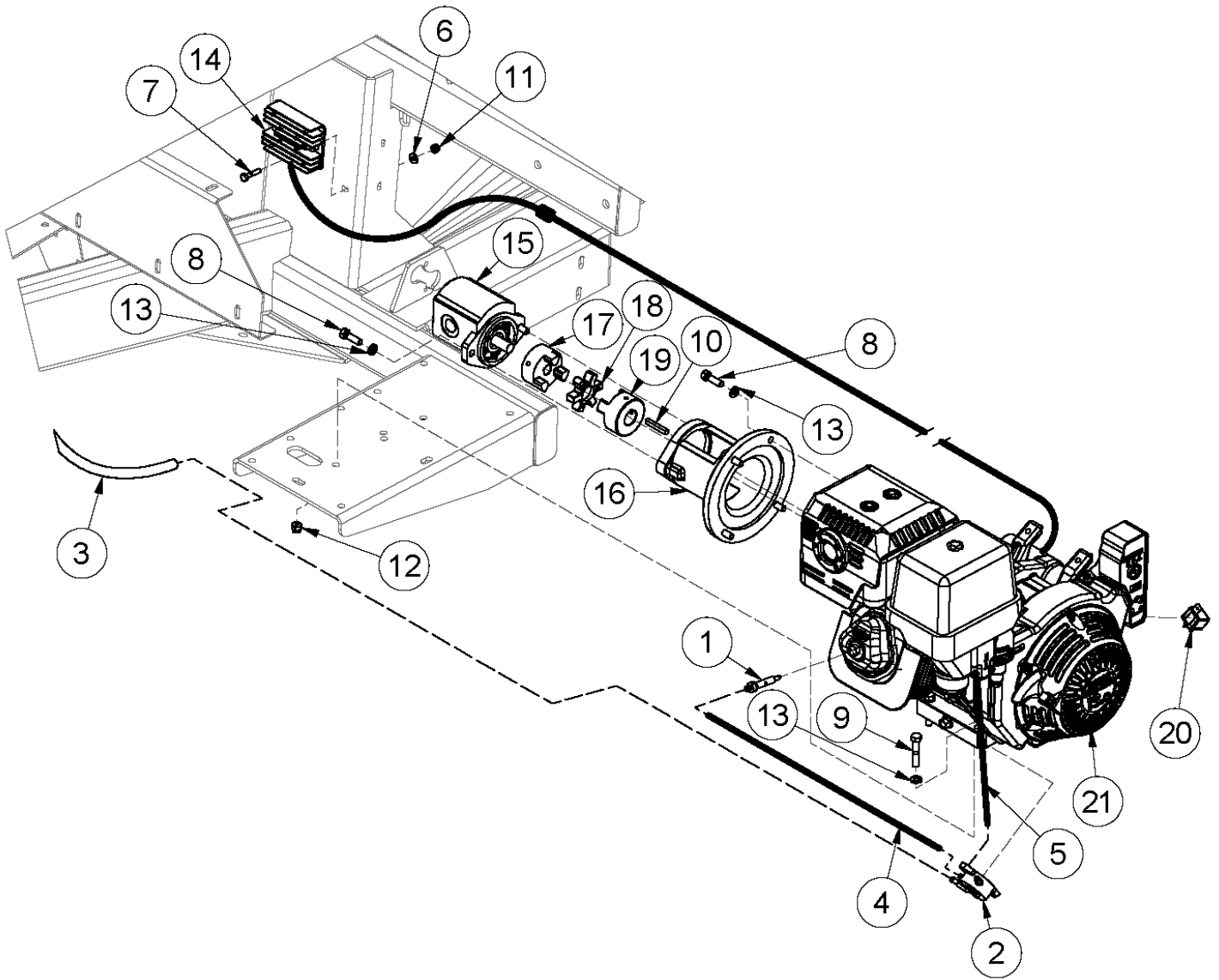


## Throttle Linkages

ITEM	QTY	PART NUMBER	DESCRIPTION	SERIAL BREAK
1	1	TL5X2-500-154	Main Link	(20HP) 11R001 - Current
2	1	TL5X2-100-232	Striker Block	
	1	TL550-100-069	Throttle Spring	
4		TL550-100-065	Ball Joint	
5	1	TL5X2-100-231	Control Rod	
6	2	HB 3/8-16X2.1/2 Z5	Hex Bolt 3/8"-16 x 2-1/2" Grade 5 Zinc Plated Hex Cap Screw NC	
7	2	HN 3/8	Hex Nut 3/8"-16 Grade 5 Zinc Plated Finished NC	
8	1	TL599-100-067	13 HP Engine Throttle Base	
9		TL550-100-067	Linkage Pivot	
10	1	TL599-100-069	1/4-28 UNF Rod x 4	
11	1	TL5X2-100-230	13 HP Swing Link	
12	2	TL5X2-500-155	1/4-28 UNF Rod x 9 1/2	
13	1	TL5X2-500-156	20 HP Swing Link	
14	1	TL6X2-120-001	20 HP Engine Throttle Base	
15	1	TL6X2-120-004	20 HP Control Rod	
16	1	TL5X2-500-157	20 HP Main Link	
17	2	HB 1/4-20X1.1/4 Z5	Hex Bolt - 1/4"-20 x 1-1/4" Grade 5 Zinc Plated Hex Cap Screw	
18	2	FW 1/4	Flatwasher - 1/4" Zinc Plated USS	
19	2	LW 1/4	Lockwasher - 1/4" Zinc Plated Medium Split	
20	2	HN 1/4	Hex Nut 1/4"-20 Grade 5 Zinc Plated Finished NC	
21	1	LN 1/4 N	Locknuts - 1/4-20 Zinc Plated Nylon Insert	
22	1	FWSAE 1/2	Flatwasher, 1/2" Zinc Plated SAE	

17,18,19,and 20 each have 2 items regardless of the linkage used

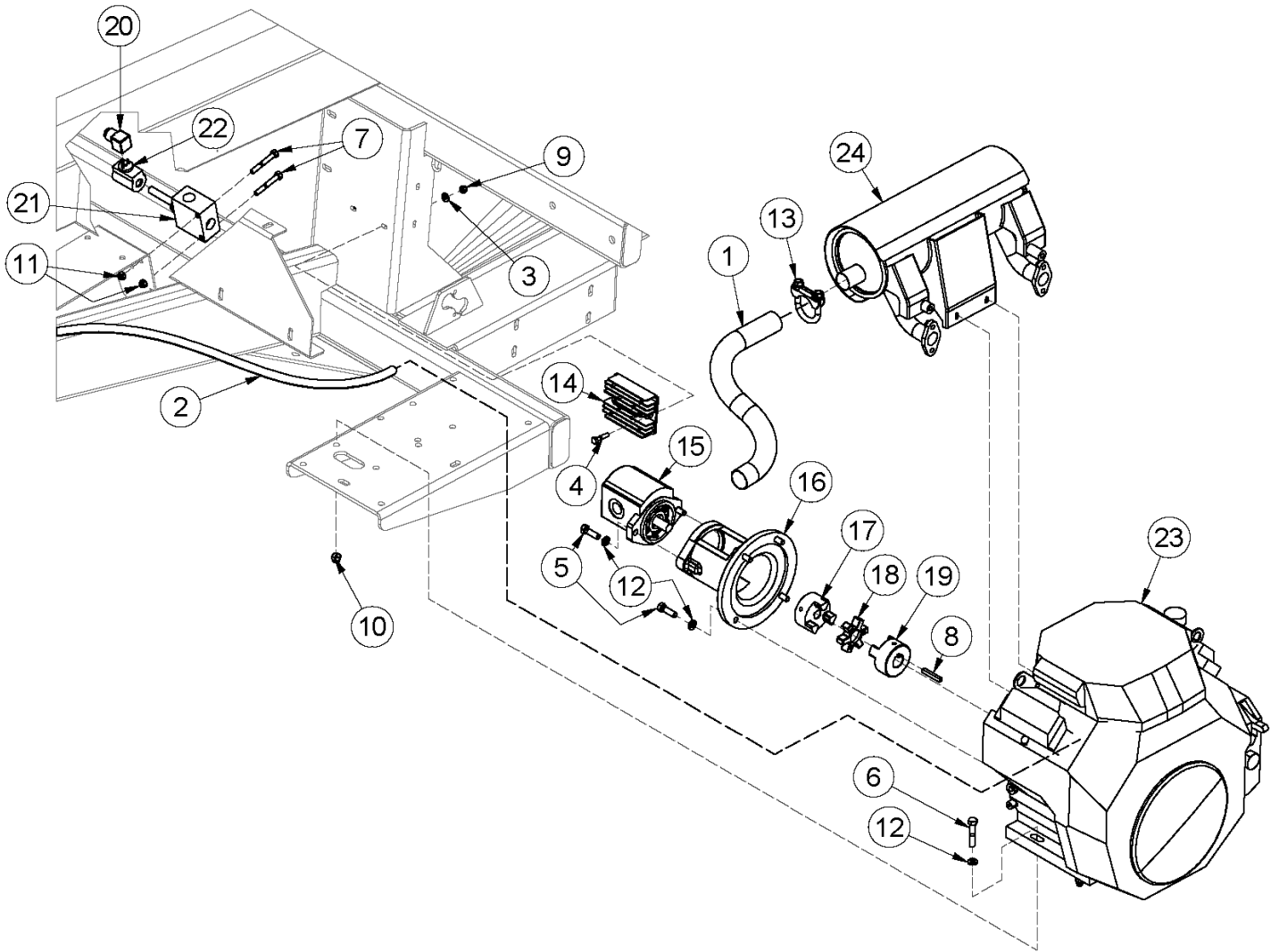
# 13 HP Engine (TL13HP)



## 13 HP Engine (TL13HP)

ITEM	QTY	PART NUMBER	DESCRIPTION	SERIAL BREAK
1	1	25591	13HP Valve Cover Bolt for Fuel Pump	
2	1	25649	Fuel Pump (Honda #16700Z0J013)	
3	1	40957	Long Fuel Line	
4	1	40962	Piston Discharge Line	
5	1	40963	Engine Fuel Line	
6	2	FW 1/4	Flatwasher - 1/4" Zinc Plated USS	
7	2	HB 1/4-20X1.1/4 Z5	Hex Bolt - 1/4"-20 x 1-1/4" Grade 5 Zinc Plated Hex Cap Screw	
8	6	HB 3/8-16X1.1/4 Z5	Hex Bolt 3/8-16 x 1 1/4" Grade 5 Zinc Plated Hex Cap Screw N.C.	
9	4	HB 3/8-16X2.0 Z5	Hex Bolt 3/8-16 x 2" Grade 5 Zinc Plated Hex Cap Screw N.C.	
10	1	KS40960	Key .25 x 1.75	
11	2	LN 1/4 N	Locknuts - 1/4-20 Zinc Plated Nylon Insert	
12	4	LN 3/8 N	Locknuts - 3/8-16 Zinc Plated Nylon Insert Lock Nut	
13	10	LW 3/8	Lockwasher - 3/8" Zinc Plated Medium Split	
14	1	TL31620-ZG5-033	Honda 20 Amp Rectifier for 13.5 & 20 HP (GX620 Engine Only)	
15	1	TL500-100-181	Hydraulic Pump (13 HP Engine)	
16	1	TL500-100-182	Adapter, Engine to Pump	
17	1	TL500-100-183	Lovejoy Coupling Pump Side	
18	1	TL500-100-184	Coupling Spacer	
19	1	TL500-100-185	Love Joy Coupling Engine Side	
20	1	TL500-100-220	35 AMP Relay	Used up to 12R147
21	1	TL5X2-100-200	13 HP Honda 18 Amp Engine	

# 20 HP Engine (TL20HP)

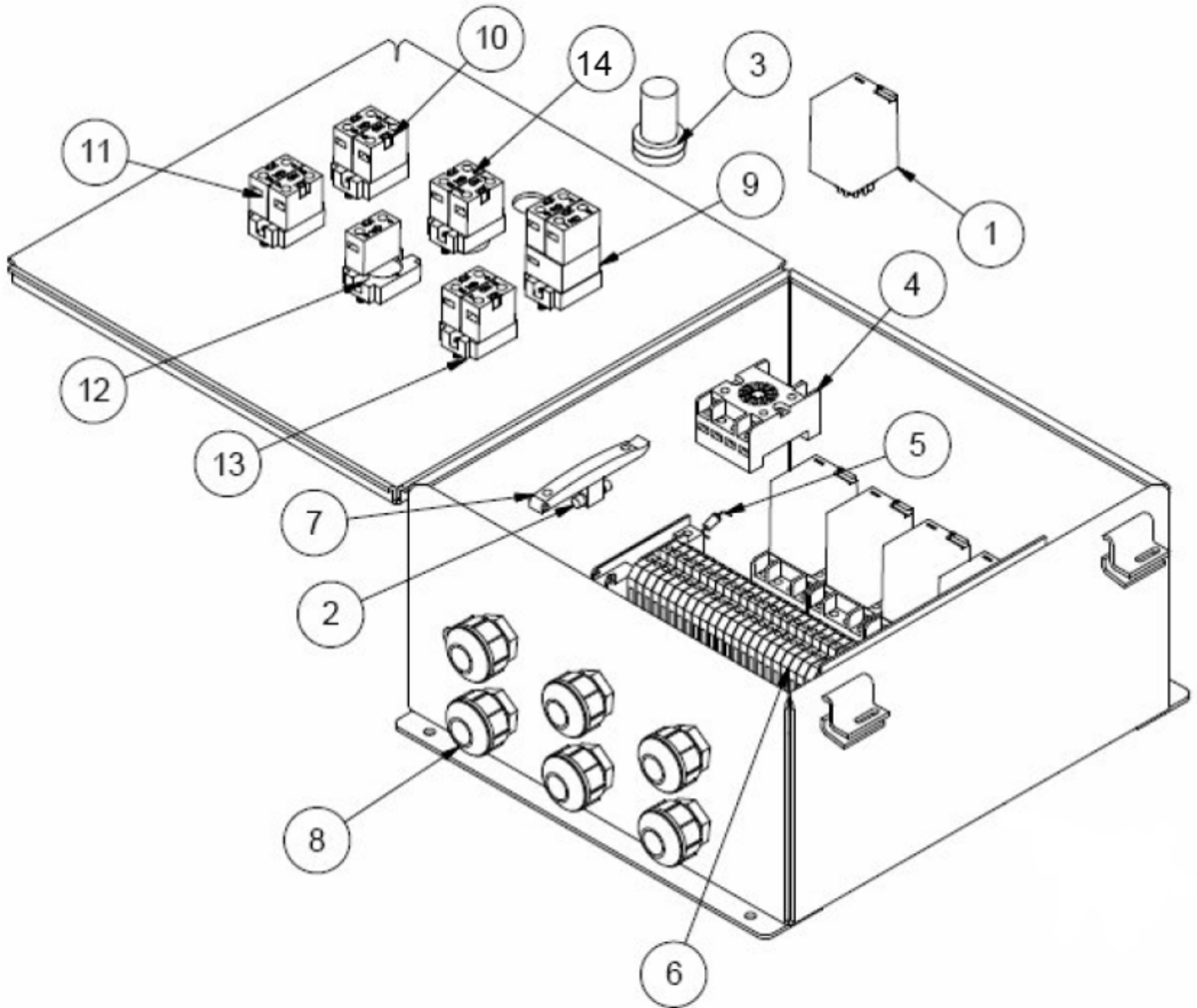


## 20 HP Engine (TL20HP)

ITEM	QTY	PART NUMBER	DESCRIPTION	SERIAL BREAK
1	1	36945	20 HP Muffler Pipe	
2	1	40957	Long Fuel Line	
3	2	FW 1/4	Flatwasher - 1/4" Zinc Plated USS (6480)	
4	2	HB 1/4-20X1.1/4 Z5	Hex Bolt - 1/4"-20 x 1-1/4" Grade 5 Zinc Plated Hex Cap Screw	
5	6	HB 3/8-16X1.1/4 Z5	Hex Bolt 3/8-16 x 1 1/4" Grade 5 Zinc Plated Hex Cap Screw N.C.	
6	4	HB 3/8-16X2.0 Z5	Hex Bolt 3/8-16 x 2" Grade 5 Zinc Plated Hex Cap Screw N.C.	
7	2	HB 5/16-18X2.1/4 Z5	Hex Bolt - 5/16-18 x 2-1/4 Grade 5 Zinc Hex Cap Screw	
8	1	KS40960	Key .25 x 1.75	
9	2	LN 1/4 N	Locknuts - 1/4-20 Zinc Plated Nylon Insert	
10	4	LN 3/8 N	Locknuts - 3/8-16 Zinc Plated Nylon Insert Lock Nut	
11	2	LN 5/16 N	Locknut - 5/16-18 Type NE Zinc Plated Nylon Insert	
12	10	LW 3/8	Lockwasher - 3/8" Zinc Plated Medium Split (5500)	
13	1	MC 1 1/2	Muffler Clamp 1 1/2" Pipe (MC7112)	
14	1	TL31750-Z2E-803	Honda 20AMP Rectifier for GX630 Engine	
15	1	TL5X2-101-181	Hydraulic Pump (20 HP Engine)	
16	1	TL500-100-182	Adapter, Engine to Pump	
17	1	TL500-100-183	Lovejoy Coupling Pump Side	
18	1	TL500-100-184	Coupling Spacer	
19	1	TL500-100-185	Love Joy Coupling Engine Side	
20	1	31305	Wiring Harness for Dump Valve	
21	1	TL6X2-102-202	Dump Valve (Includes Base and Relief)	Up to 13R004
21A	1	31545	Dump Valve Body and Cartridge (20 HP)	13R005 - Current
22	1	TL6X2-102-204	Dump Valve Solenoid (Coil) Round Coil	Up to 13R004
22A	1	31546	Dump Valve Solenoid (Coil) Square Coil	13R005 - Current
23	1	TL6X2-100-200	20 HP Honda Engine	
24	1	TLVHRM6	Muffler	



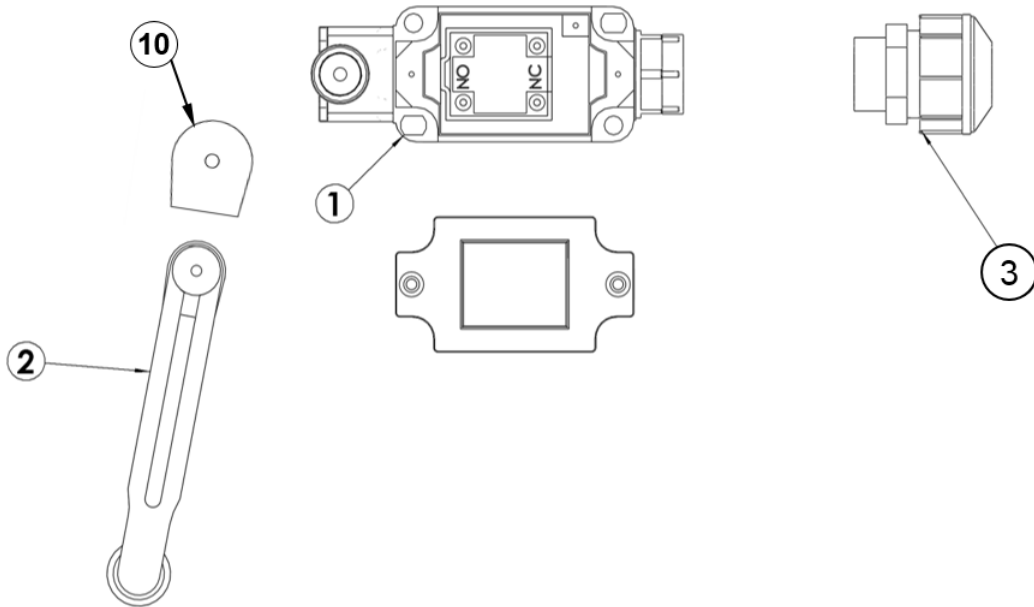
# Control Panel



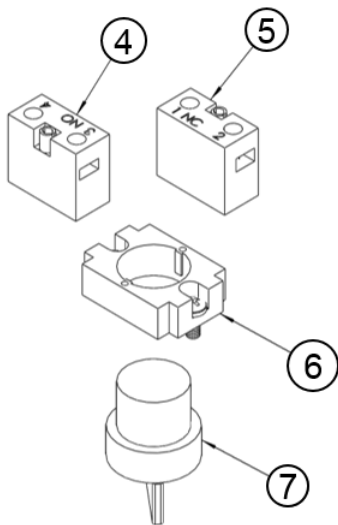
## Control Panel

ITEM	QTY	PART NUMBER	DESCRIPTION
	1	TL550-200-061	Complete Control Panel
1	5	TL500-100-221	Control Relay
2	1	TL550-100-079	15 AMP Fuse
3	1	TL25764	LED Light
4	5	TL5X2-500-158	11 Pin Relay Base
5	1	TL550-150-085	Diode 1N5406 3amp 600V
6	26	TL550-150-084	DIN Rail Terminal Block
7	1	TL550-150-083	DIN Rail Fuse Holder
8	6	TL550-100-086	PVC Wire Holder
9	1	TL25762	On/Off Switch
10	1	TL550-100-076	Man/Auto Switch
11	1	TL550-100-077	Steering Switch
12	1	TL550-100-075	Rotate Switch
13	1	TL550-100-077	Forward/ Reverse Switch
14	1	TL25763	Emergency Stop Button

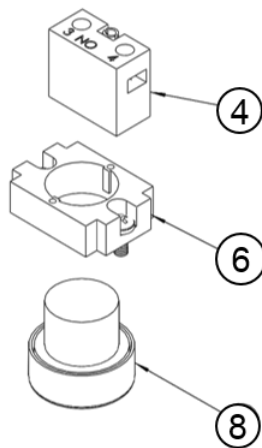
# Limit Switch



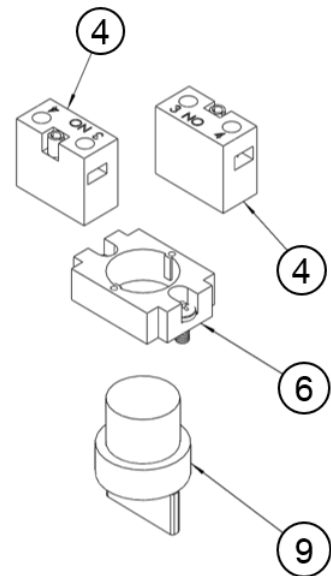
## On/Off - Man/Auto Switch



## Rotate Switch



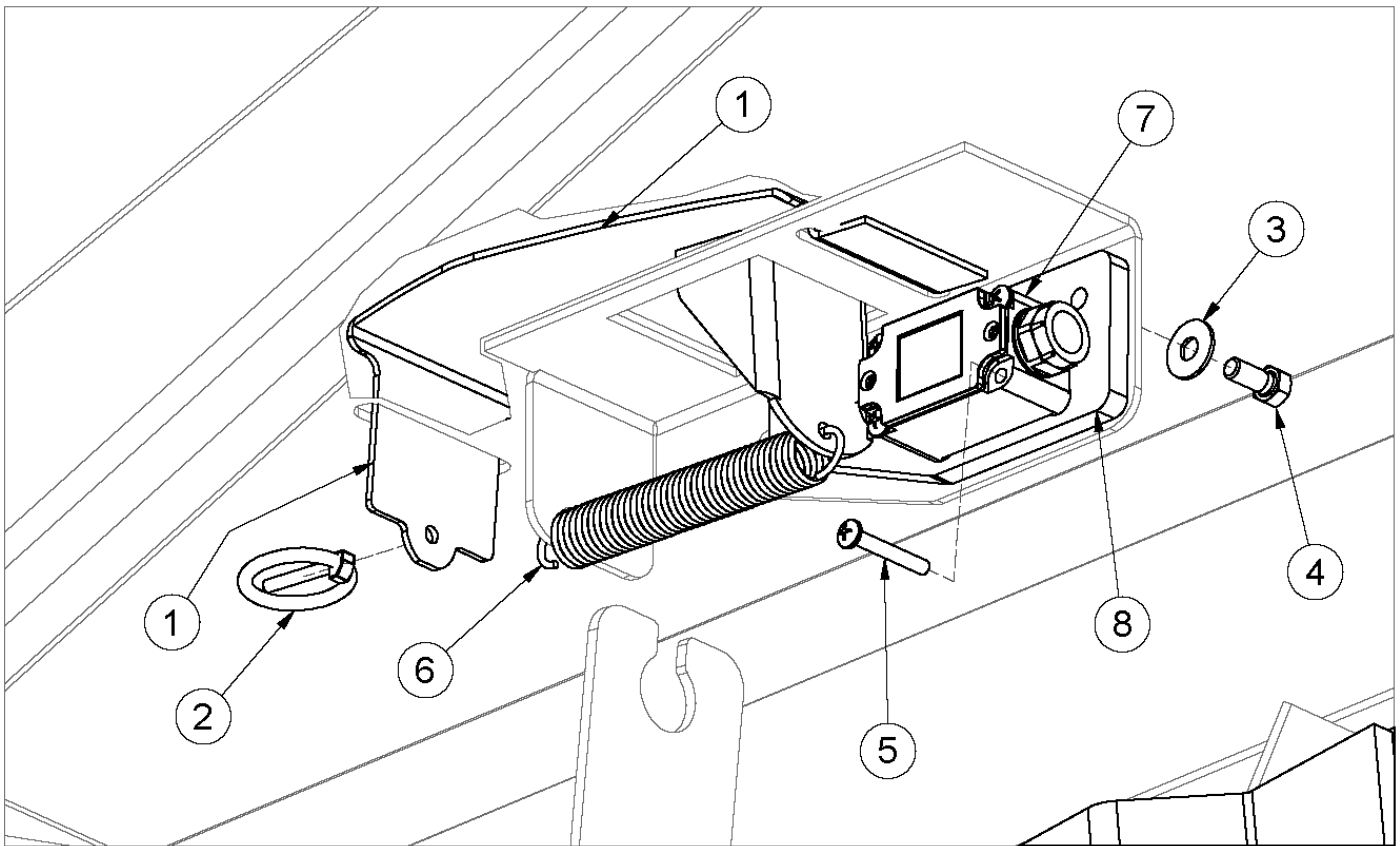
## Ram - Steering Switch



## Limit Switch

ITEM	QTY	PART NUMBER	DESCRIPTION
1	5	TL550-100-060	Complete Limit Switch (Ref # 1, 2, & 4)
2	5	TL550-100-059	Limit Switch Arm
3	1	TL550-100-086	PVC Box Connector
4	7	TLRB2BE101	Contact Block Normally Open ( NO )
5	2	TLRB2BE102	Contact Block Normally Closed ( NC )
6	5	TLRB2B	Switch Mount Collar
7	1	TLRB2BD2	Selector Switch – 2 Position
8	1	TLRB2BA2	Push Button
9	1	TLRB2BDR3	Selector Switch – 3 Position Spring Return
	2	TL550-100-076	On/Off – Man/Auto Switch (Complete)
	1	TL550-100-075	Rotate Switch (Complete)
	2	TL550-100-077	Ram/Steering Switch (Complete)
10	1	TL550-100-082	Wire Clamp

# Table Trigger



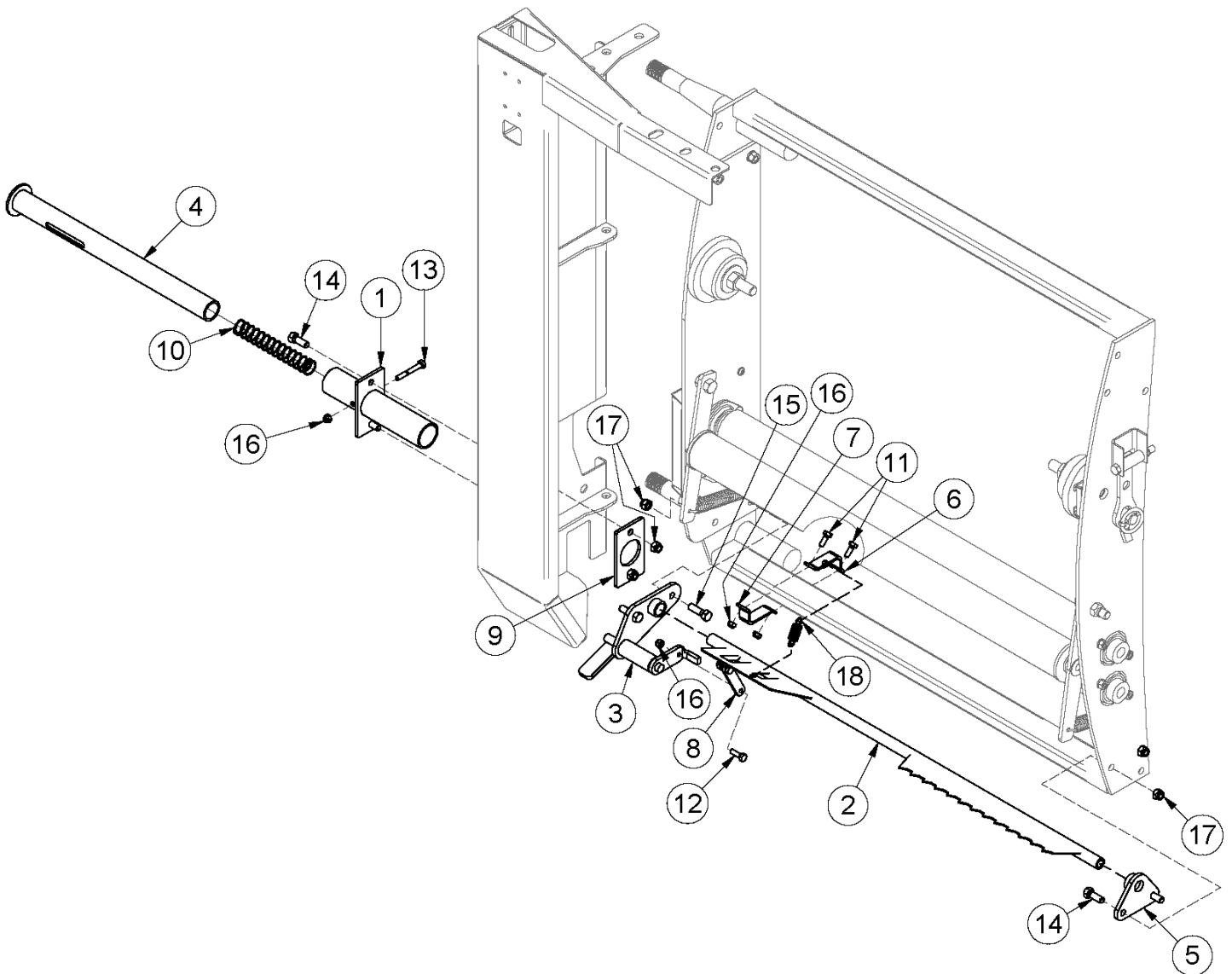
## Table Trigger

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	25581	Trigger Plate
2	1	25680	Lynch Pin 3/16 x 1.5
3	2	FW 5/16	Flatwasher - 5/16" Zinc Plated USS
4	2	HB 5/16-18X 3/4 Z5	Hex Bolt - 5/16"-18 x 3/4" Grade 5 Zinc Plated Hex Cap Screw N.C.
5	4	MS 10X1 1/2	Machine Screw 10-24x1-1/2
6	1	TL550-100-069	Throttle Spring
7	1	TL5X2-100-221	Switch
8	1	TL5X2-500-153	Table Switch Mount Plate



# Film Snap

Serial Number 15R003 to current



**Note:** Available for retrofit on older machines. Please contact dealer or manufacturer for details.

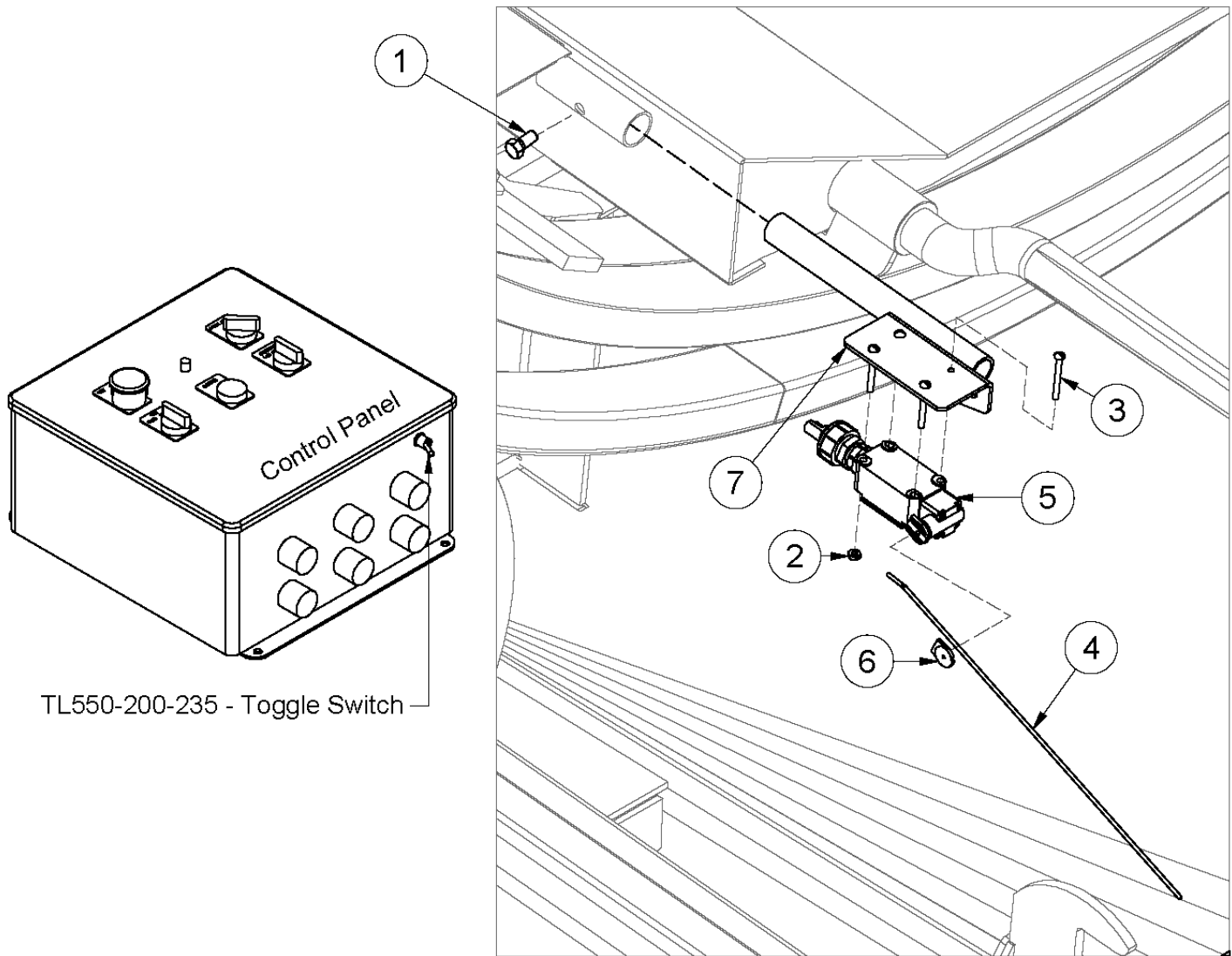
## Film Snap

Serial Number 15R003 to current

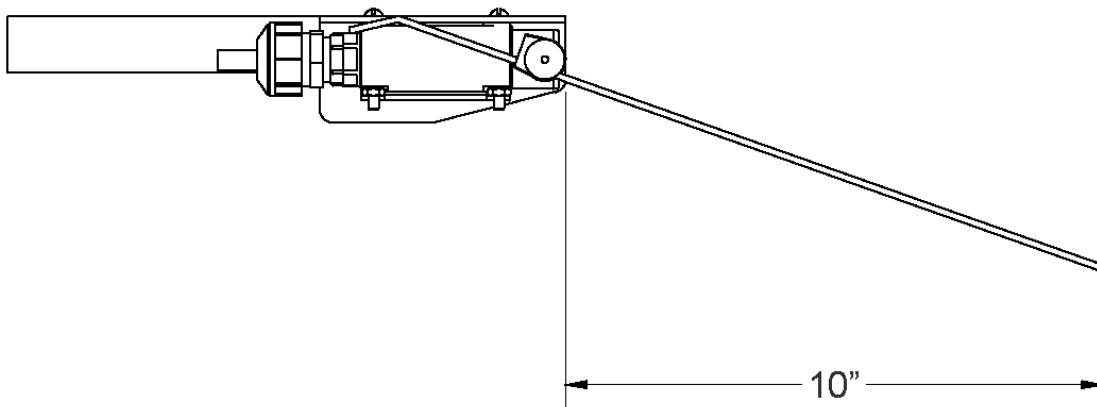
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	33352	Wrap Cut Tube Support
2	1	33353	Wrap Cut
3	1	33354	Wrap Cut Swivel
4	1	33355	Cut Push Tube
5	1	33356	Pivot Support Bracket
6	1	36021	Spring Mount
7	1	36026	Bracket For Film Snap
8	1	36068	Swivel Plate
9	1	36629	Pipe Support
10	1	36900	Film Snap Compression Spring
11	2	HB 1/4-20X 3/4 Z5	Hex Bolt - 1/4"-20 x 3/4" Grade 5 Zinc Plated Hex Cap Screw NC
12	2	HB 1/4-20X1.0 Z5	Hex Bolt 1/4-20 x 1" Grade 5 Zinc Plated Hex Cap Screw NC
13	1	HB 1/4-20X2.0 Z5	Hex Bolt Plated Gr. 5 NC
14	4	HB 3/8-16X1.0 Z5	Hex Bolt 3/8-16 x 1" Grade 5 Zinc Plated Hex Cap Screw NC
15	2	HB 3/8-16X1.1/4 Z5	Hex Bolt 3/8-16 x 1 1/4" Grade 5 Zinc Plated Hex Cap Screw NC
16	5	LN 1/4 N	Locknuts - 1/4-20 Zinc Plated Nylon Insert
17	6	LN 3/8 N	Locknuts - 3/8-16 Zinc Plated Nylon Insert
18	1	TL500-100-062	Extension Spring

**Note:** Available for retrofit on older machines. Please contact dealer or manufacturer for details.

## Film Sensor



Sensor wire must be adjusted so that only one layer of plastic is covering the end of the wire while wrapping. Adjustment can be made on the bracket and on the sensor wire. The end of the sensor wire behind the switch can be bent to allow the wire in front of the switch to drop down far enough to trip the switch when no plastic is present.

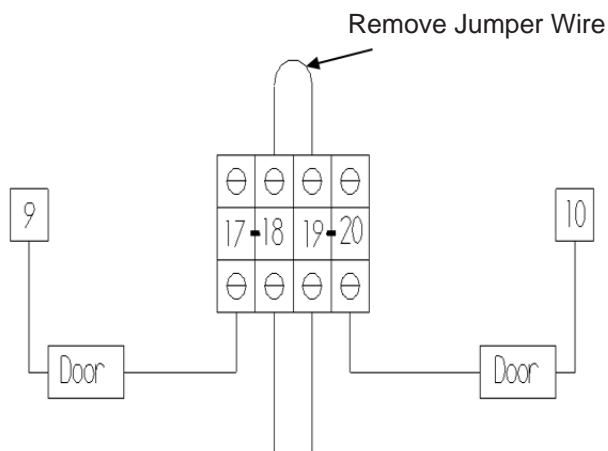


## Film Sensor

ITEM	QTY	PART NUMBER	DESCRIPTION
	1	TLPSSK	Film Sensor Switch for 2007 Model X2 TL5500
1	13	HB 3/8-16X 3/4 Z5	Hex Bolt - 3/8-16 x 3/4" Grade 5 Zinc Plated Hex Cap Screw NC
2	4	HN 10-24	Nut - 10-24 Low Carbon Zinc Plated Machine Screw Nut
3	4	MS 10X1 3/4	Machine Screw 10-24x1-3/4
4	1	30895	Film Sensor Wire
5	1	TL109-100-348	Film Sensor Limit Switch
6	1	TL550-100-082	Wire Arm Clamp
7	1	TLFSB2007	Film Sensor Mtg. Brkt.
	1		12" Wire (Terminal 18 & 19)

## Film Sensor Installation

- Install film sensor bracket
- Locate the wire labeled film sensor (pre-wired machine)
- Remove the plug and connect to film sensor switch
- Install toggle switch in the control panel
- Remove the jumper wire between terminal 18 & 19
- Connect wires from toggle switch to terminal 18 & 19



Toggle Switch



## Film Sensor Wire Adjustment

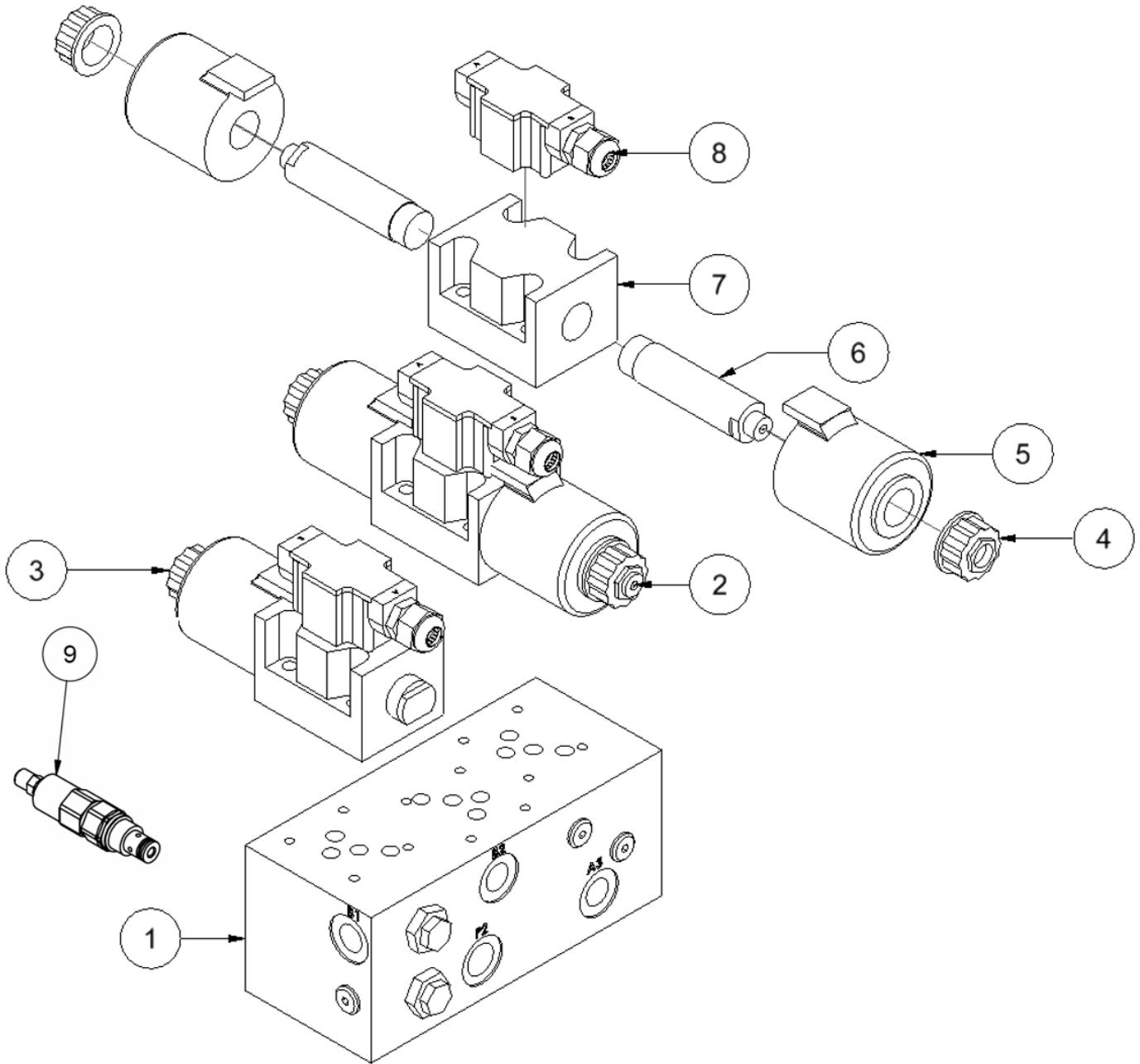
**Note:** Use measurements as initial guide only.

- Measure length of wire from the hoop face (see previous page)
- 9.5" wire = approx. 3" between wraps = 8-9 layers per bale
- 9.5" wire should stop hoop rotation just after an empty tensioner passes the wire
- Lengthen wire 3" for 4 layers of wrap or 1.5" for 6 layers
- Shorten wire by 1.5" for 10 layers per bale

As a guide, if the hoop stops before an empty tensioner passes the film sensor wire, the wire is too short and if the hoop does not stop with one empty tensioner the film sensor is too long.

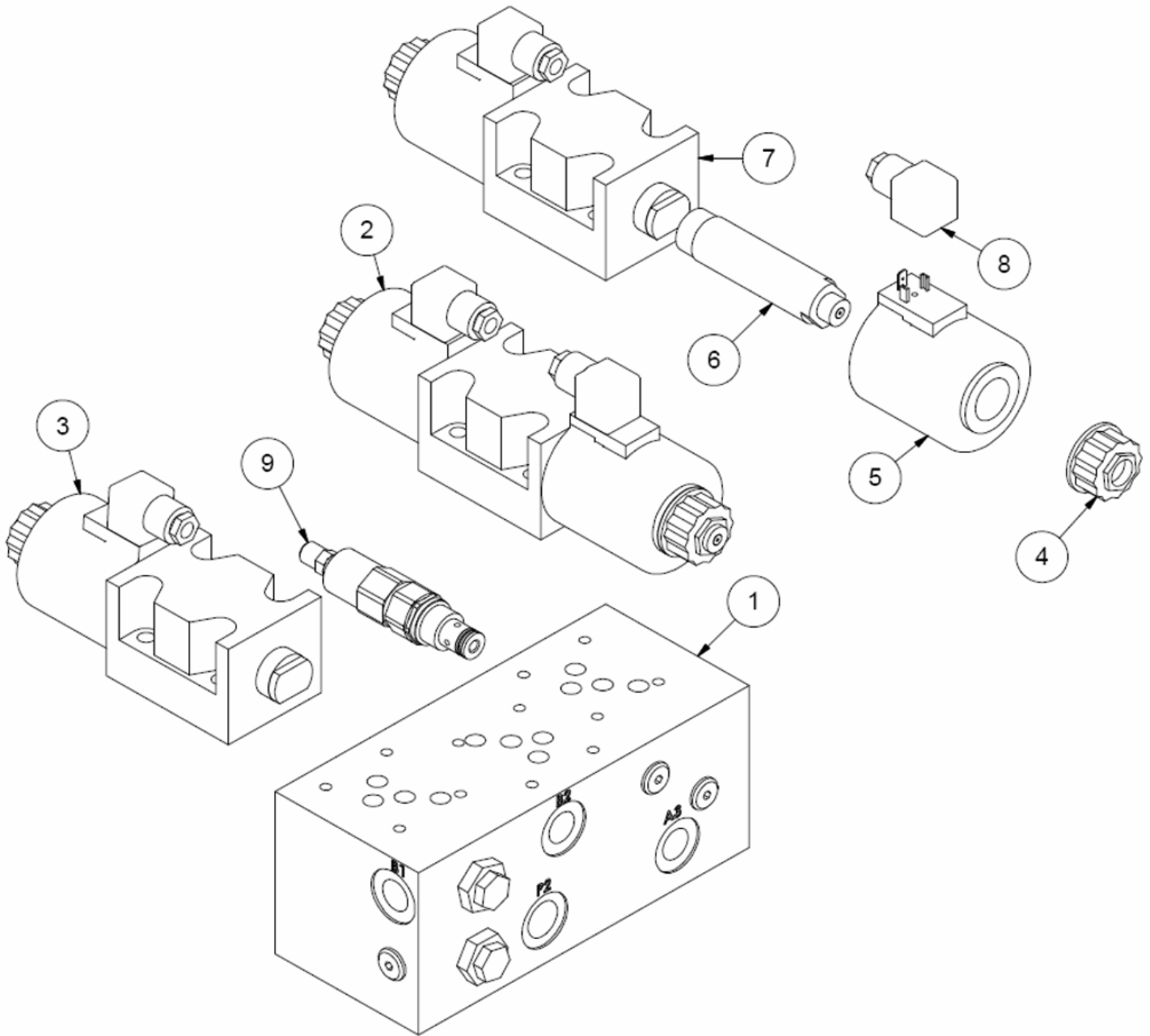
# Hystar Hydraulic Valve - Original

Prior to Serial Number 11R091



# Hystar Hydraulic Valve - Current

Serial Number 11R092 to current





## Hystar Hydraulic Valve

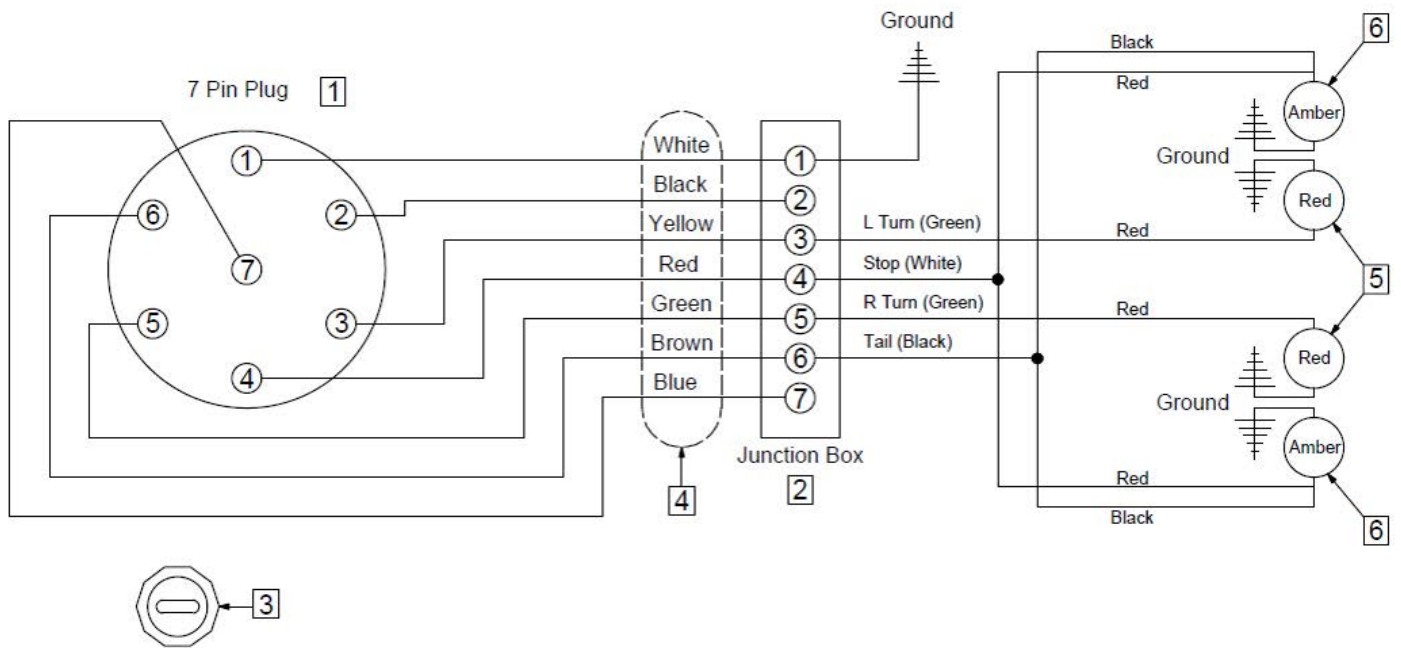
Prior to Serial Number 11R091

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	TL500-100-056	Manifold
2	2	TL5X2-201-200	Tandem 12V DC Valve (Complete)
3	1	TL5X2-201-201	Single 12V DC Valve (Complete)
4	5	VAL25285	Plastic Nut
5	5	TL5X2-201-007	Coil
6	5	VAL25288	Tube Assembly
7	3	VAL25295	Valve Body
8	3	TL5X2-201-202	Connection Box
9	1	VAL MW10A-OS2B	Relief Valve

Serial Number 11R092 to current

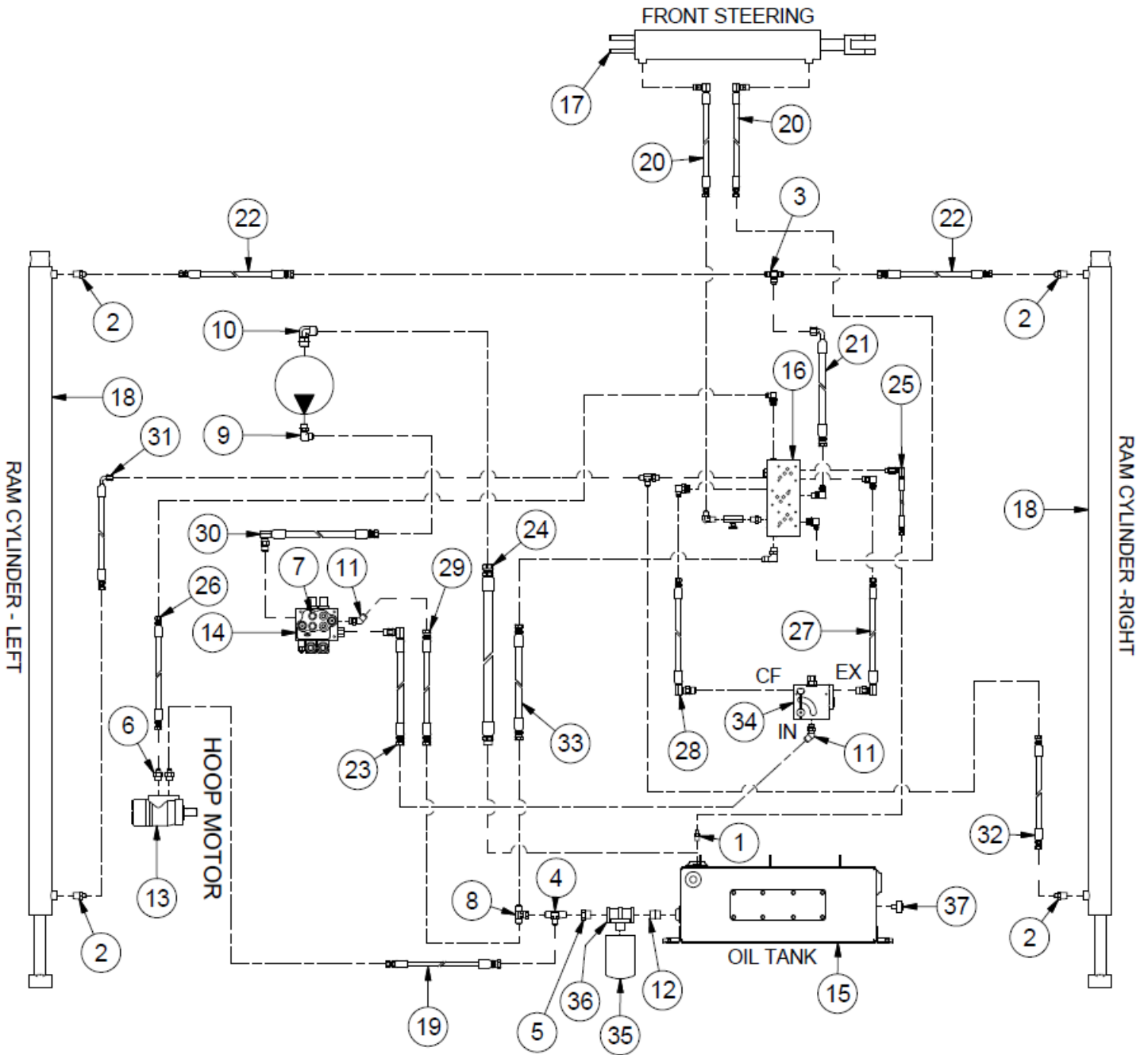
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	TL500-100-056	Manifold
2	2	28532	Tandem 12V DC Valve (Complete)
3	1	28533	Single 12V DC Valve (Complete)
4	5	VAL25285	Plastic Nut
5	5	28531	Coil
6	5	VAL25288	Tube Assembly
7	3	Requires complete solenoid replacement	Valve Body
8	5	28534	DIN Connector
9	1	VAL MW10A-OS2B	Relief Valve

# Running Lights



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	TL550-200-117	7 Pin Plug
2	1	TL550-200-118	Junction Box
3	1	TL550-200-119	Strain Relief
4	1	TL550-200-120	7 Wire Conductor
5	2	TL550-200-121	Red Lamp
6	2	TL550-200-122	Amber Lamp

# Hydraulic Layout - Front Circuits



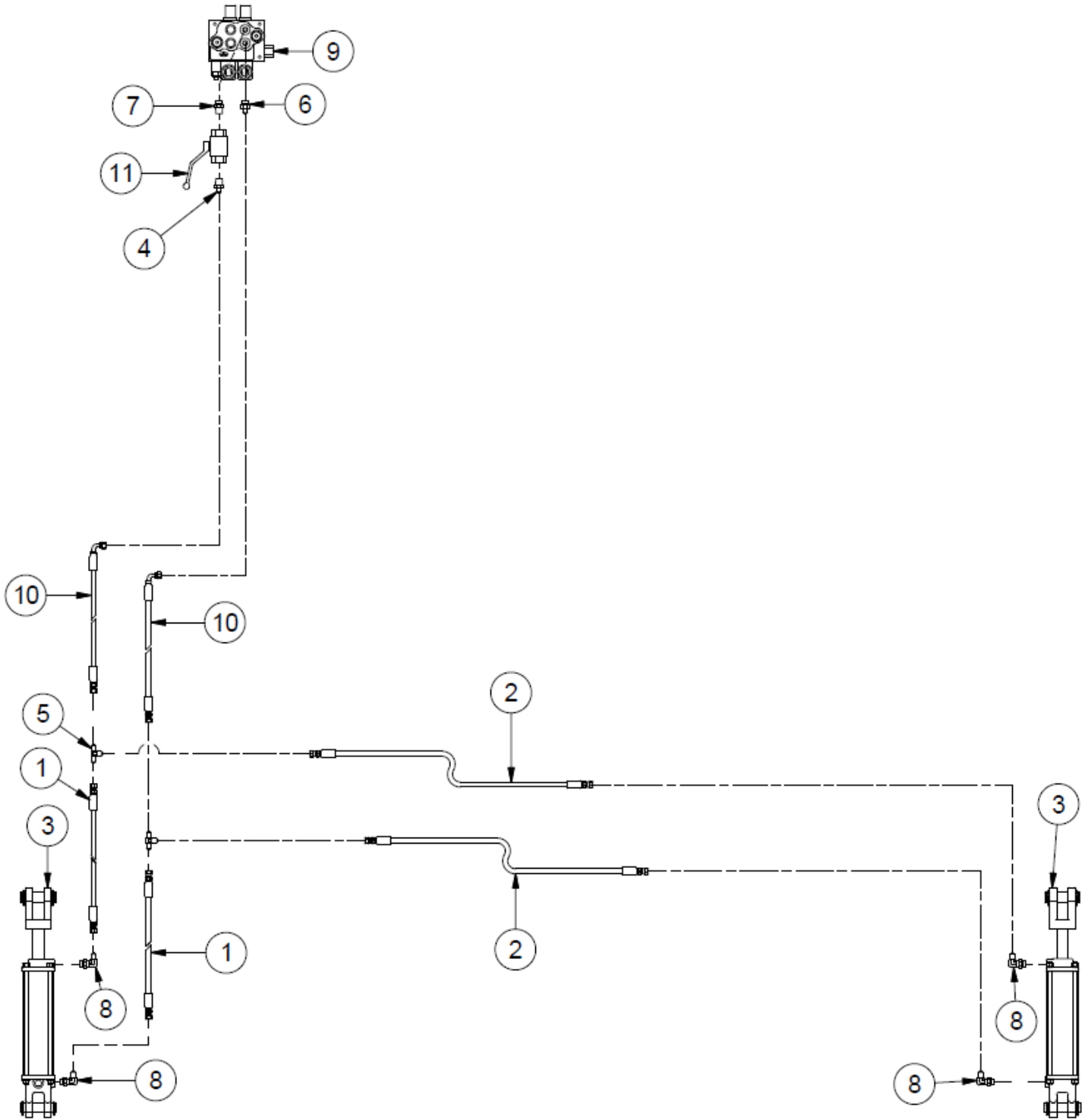
See Hydraulic Manifold Connections [pg.2-80](#) for detailed view.

## Hydraulic Layout - Front Circuits

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	HF 2404-4-4	Hyd. Fitting - Male JIC - Male Pipe
2	4	HF 2404-6-8	Hyd Fitting, Male JIC - Male Pipe
3	1	HF 2603-8-8-8	Hyd Fitting - Male JIC Tee
4	1	HF 2605-8-8-8	Male JIC - Male Pipe
5	1	HF 5406-12-8	Hyd. Fitting - Reducer Bushing
6	2	HF 6400-6-10	Hyd Fitting -Male JIC - Male ORB
7	2	HF 6408-6	Hex Plug O-Ring
8	1	HF 6600-8-8-8	Hyd. Fitting - Male JIC - Female JIC Tee
9	1	HF 6801-8-10	Hyd. Fitting -1/2" JIC - 5/8" 90 Degree Elbow
10	1	HF 6801-12-12	Forged Fitting - 3/4" JIC x 3/4" SAE 90 Deg. Elbow
11	2	HF 6802-8-8	Hyd. Fitting- Male JIC- Male ORB 45 Deg
12	1	PI .75 CLOSE NIPPLE	Close Nipple Sch 80 3/4
13	1	TL5X2-200-050	Hydraulic Motor (M t S 2009 Models)
	1	SKMLHPQUDE	Seal Kit for 200 & 400 Series Motors (for MLHPQ-U/D)
14	1	TL5X2-201-055	2 Spool Monoblock Valve
15	1	TL5X2-500-151	Hydraulic Oil Tank
16	1	TL500-100-056	3 Station Custom Manifold
17	1	TL500-100-103	Hydraulic Cylinder, 2 x 16
	1	SK AGU201125-10	Seal Kit - 2" Kinecor Cylinder
18	2	TL550-100-043	Hydraulic Cylinder (Ram)
	2	SK25	Seal Kit for Ram Cylinder
19	1	TLT5E102-09	HH48 - 6ATI(8FJXH-6FJXH)48HCL
20	2	TLT5E606-09	HH92.50 - 6ATI(6MBX90,6FJXH) 92.50" E/E
21	1	TLT5E609-09	HH84.25-8ATI(8FJX90S-8FJX)84.25-CL/E
22	2	TLT5E610-09	HH45.75-6ATI(8FJX-6FJX)45.75-E/E
23	1	TLT5M111-09	HH24.75- 8ATI(8MBX90-8FJX)24.75 - E/E
24	1	TLT5M117-09	HH24.75- 8ATI(8MBX90-8FJX)24.75 - E/E
25	1	TLTLE101-09	HH25-4ATI(4FJXH-6MBX90)25"HCL
26	1	TLX202-09	HH54.75-6ATI-6FJX-6FJX-54.75-E/E
27	1	TLX203-09	HH86-6ATI-8MBX90-6FJX-86 CL/E
28	1	TLX204-09	HH80-6ATI-8MBX90-6FJX-80-CL/E
29	1	TLX205-09	HH74.25-6ATI-8FJX-8FJX-74.25-E/E
30	1	TLX206-09	HH93.25-8ATI-8MBX90-8FJX-93.25 CL/E
31	1	TLX208-09	HH48.75-6ATI(6FJX90S-6FJX)48.75-CL/E
32	1	TLX209-09	HH78-6AT(6FJX-6FJX)78-E/E
33	1	TLX210-09	HH22.25 - 8ATI(8FJX-8FJX) 22.25-CL/E
34	1	TL500-100-193	Flow Control, FCR51-3/4
35	1	TL500-100-173	HEK44-20-135-AS-SP010-B Filter Element
36	1	TL500-100-172	HF620.20-B17-NE-XA-NA-XB-NA Filter Base
37	1	TL500-100-171	HL91-20-T1-T-B Level Gauge

See Hydraulic Manifold Connections [pg.2-80](#) for detailed view.

# Hydraulic Layout - Rear Circuit

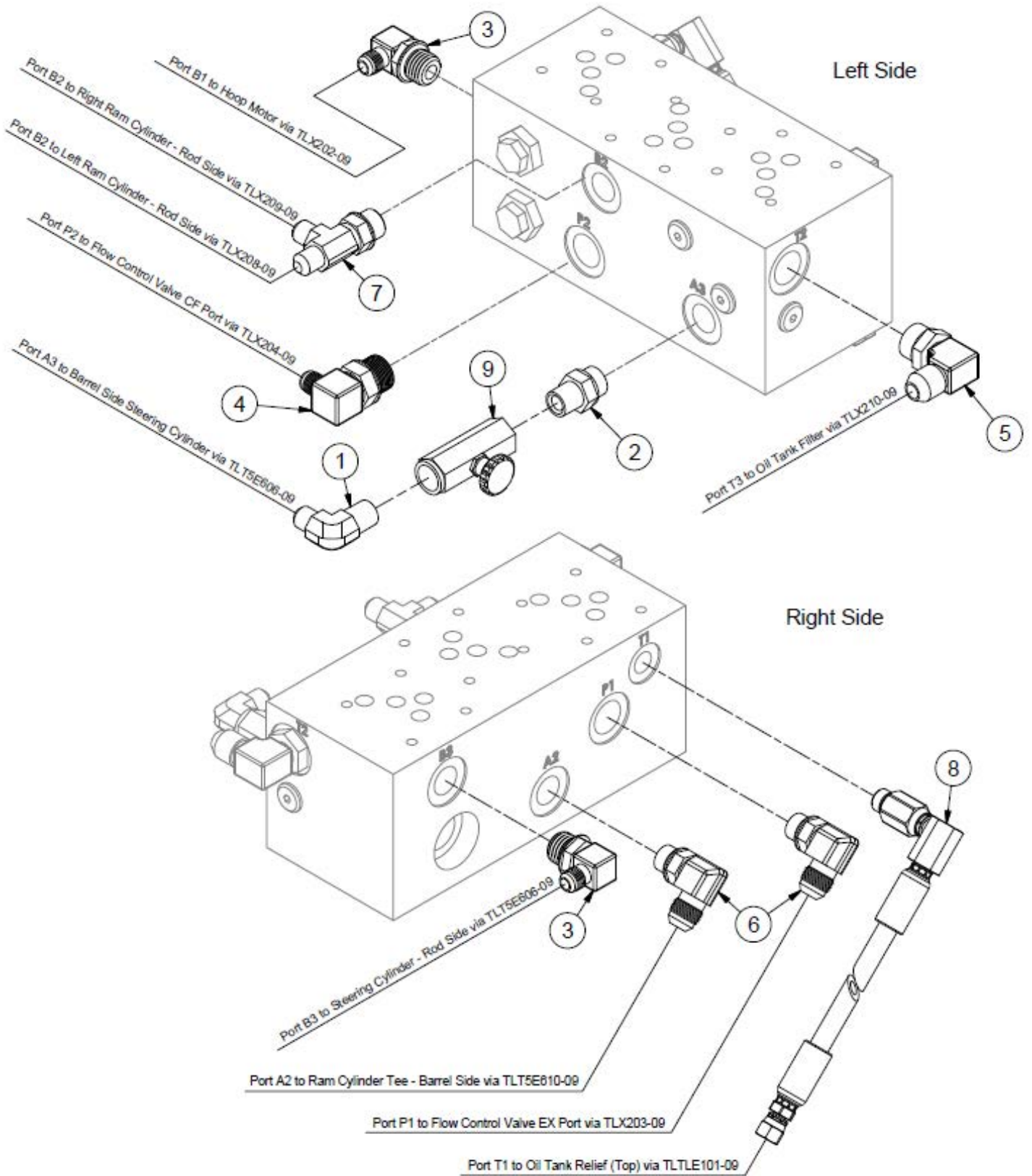


## Hydraulic Layout - Rear Circuit

ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	25282	HH42 - 4AT1(4FJXH,4FJXH) HCL 42"
2	2	25283	HH82 - 4AT1(4FJXH,4FJXH) HCL 82"
3	2	36422	Hydraulic Cylinder for TLR5000 Lift Tail
	2	SK 03-14AG	Seal Kit for 3" Cylinder
4	1	HF 2404-4-6	Hyd. Fitting - Male JIC - Male Pipe
5	2	HF 2603-4	Hyd Fitting - Male JIC Tee
6	1	HF 6400-4-6	Hyd Fitting - Male JIC - Male ORB
7	1	HF 6401-6-6	Hydraulic Adapter - Male OTB - Male Pipe
8	4	HF 6801-4-6	Hyd Fitting - Male JIC - Male ORB 90 Degree
9	1	TL5X2-201-055	2 Spool Monoblock Valve
10	2	TLT5E612-09	HH119.50-4ATI(4FJX90S-4FJX)119.50-CL/E
11	1	TL550-200-112	HP 3/8 Ball Valve



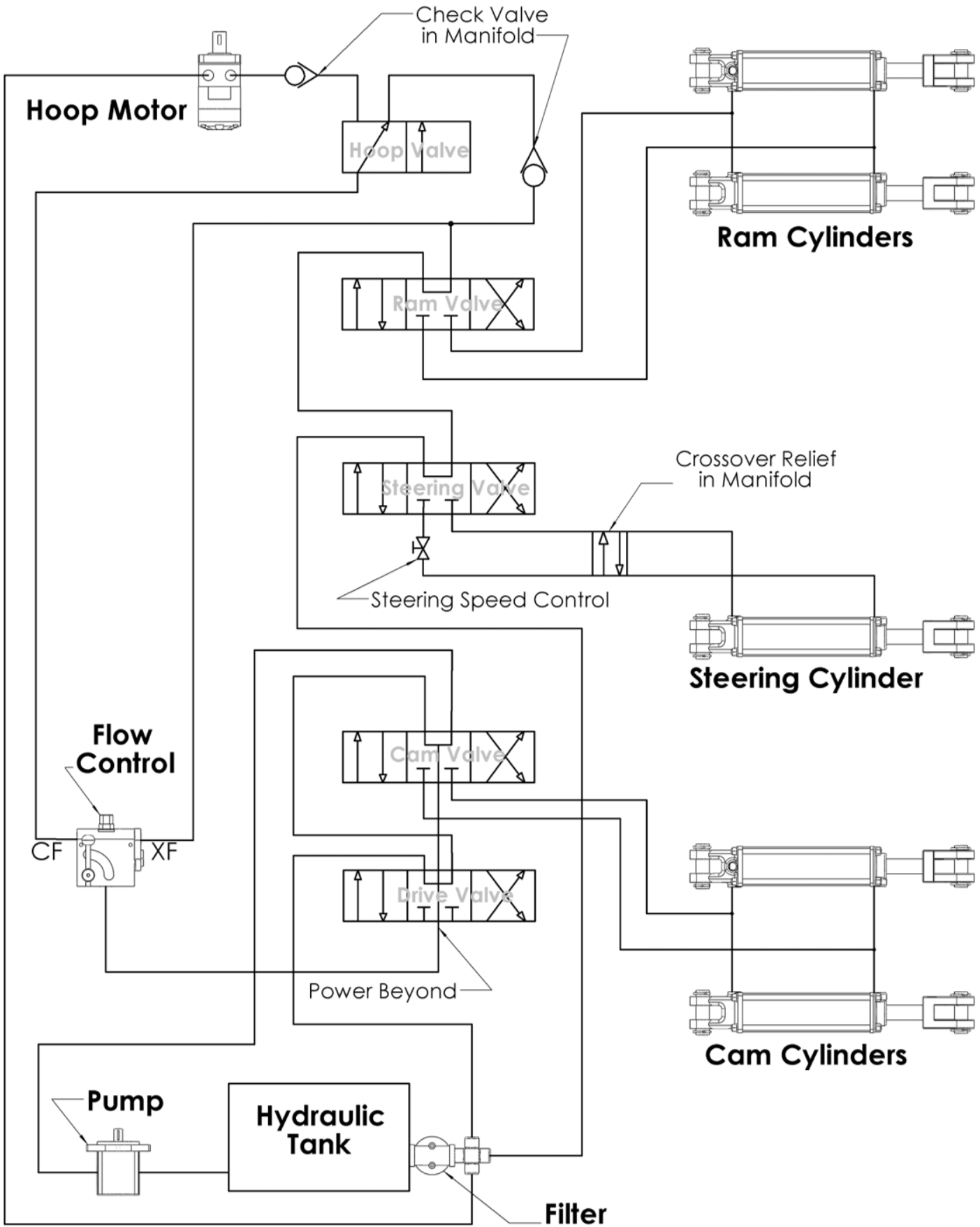
# Hydraulic Manifold Connections



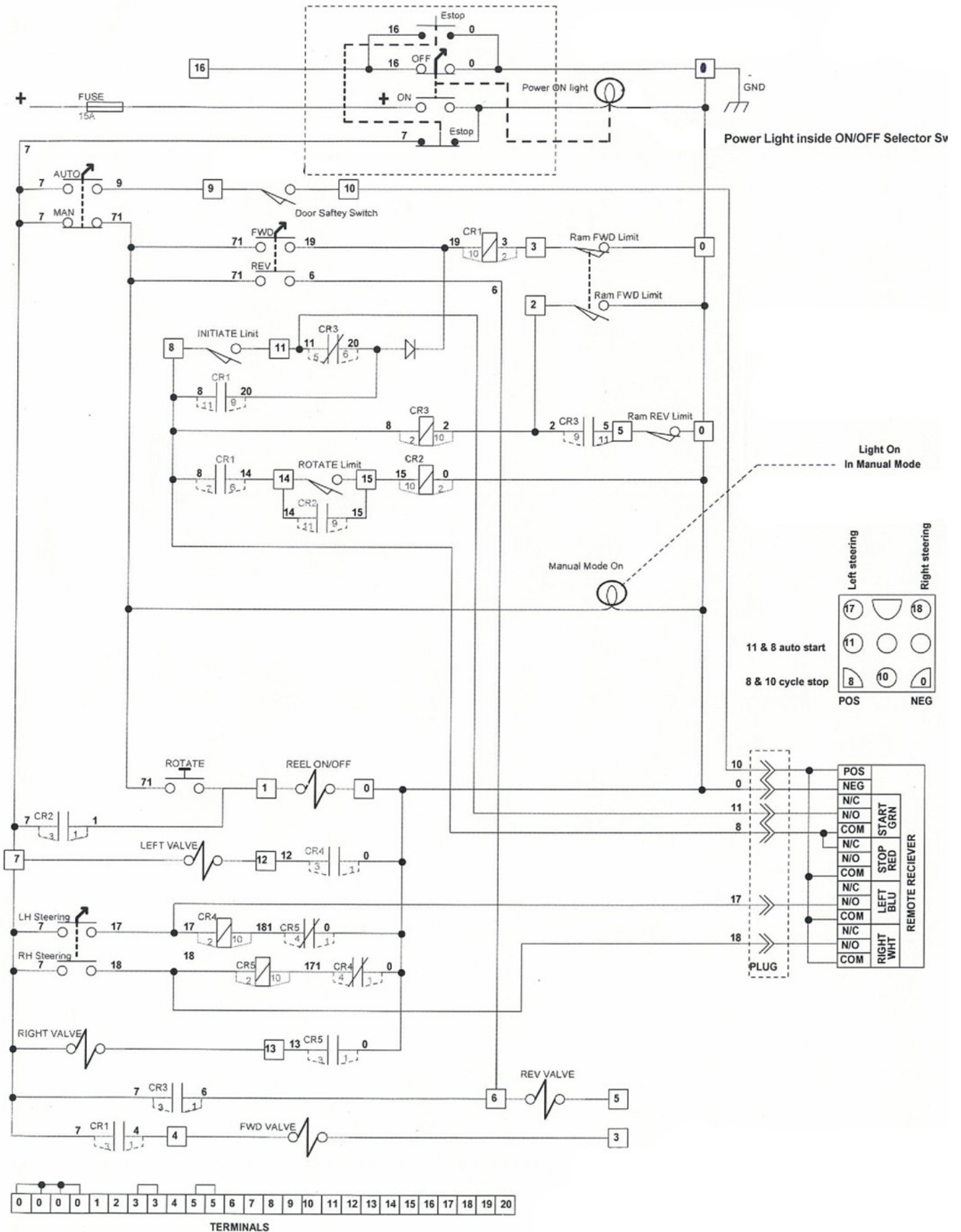
## Hydraulic Manifold Connections

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	HF 2501-6-6	Hyd Fitting - Male JIC - Male Pipe 90 Degree
2	1	HF 6401-8-6	Hyd Fitting
3	2	HF 6801-6-8	Hyd Fitting - Male JIC - Male ORB 90 Degree
4	1	HF 6801-6-10	Hyd. Fitting -Male JIC - Male ORB 90 Degree Elbow
5	1	HF 6801-8-6	Adapter
6	2	HF 6801-8-8	Hyd. Fitting- 1/2" JIC- 1/2" SAE 90 Deg Elbow
7	1	HF 6804-6-8-6	Hyd Fitting - Male JIC - Male ORB Tee
8	1	TLTLE101-09	HH25-4ATI(4FJXH-6MBX90)25"HCL
9	1	VAL FT-03-2090 NPT	Flow Control Valve

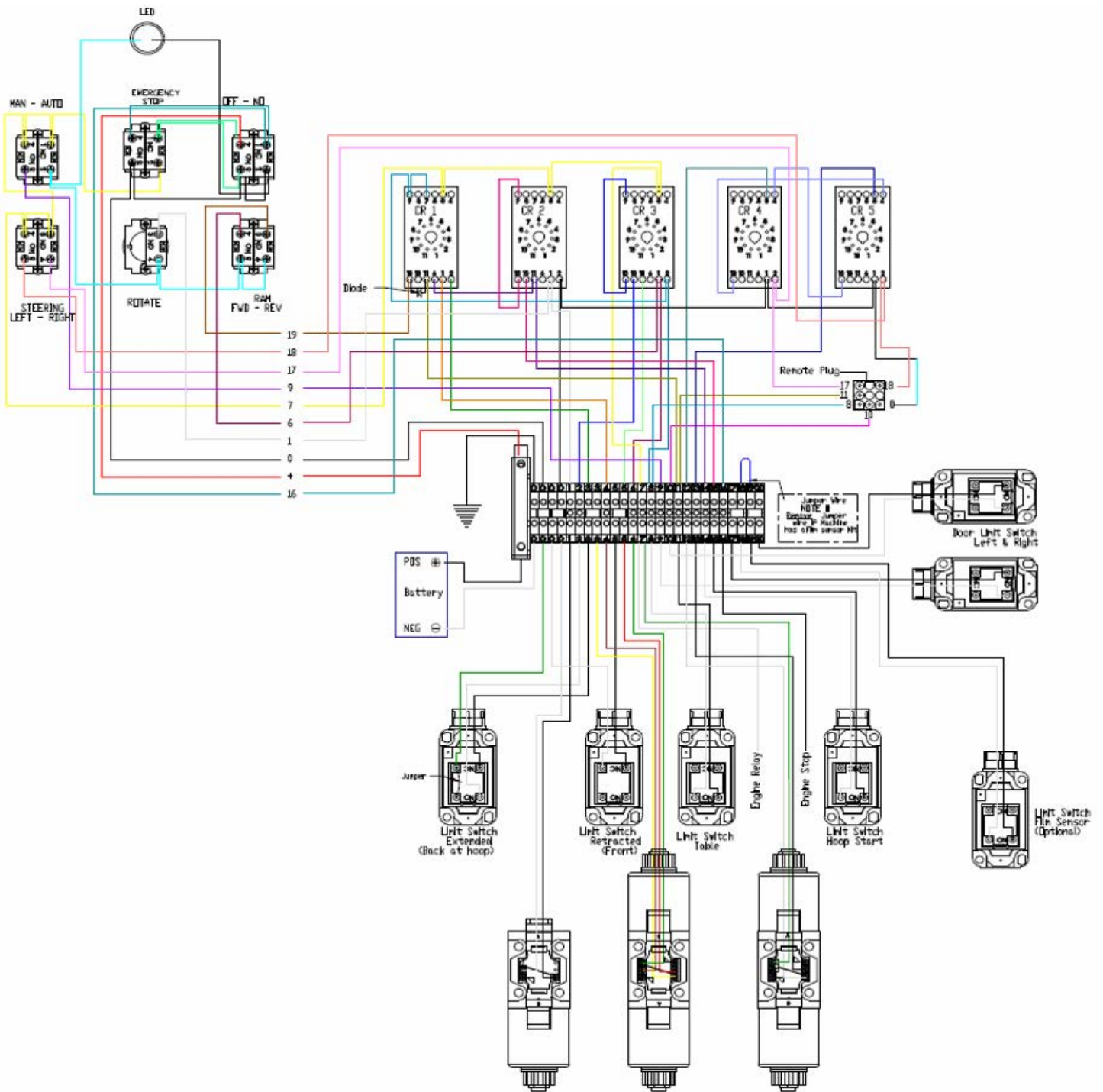
# Hydraulic Schematic



# Electrical Schematic



# Wiring Diagram



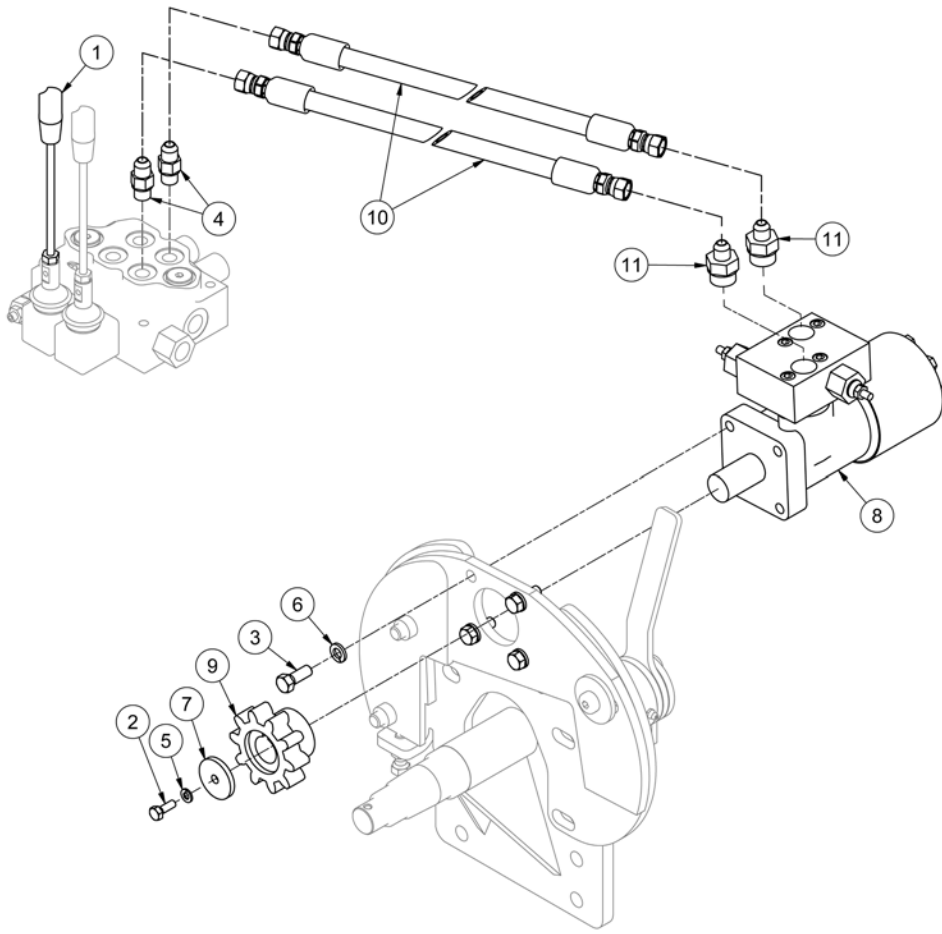
## Section 3: Options

- Single Power Drive
- Dual Power Drive
- Light Kit(s)
- Remote Control
- Guide Roller Kit
- Twin Wrap Kit
- Manual Pushoff Arm

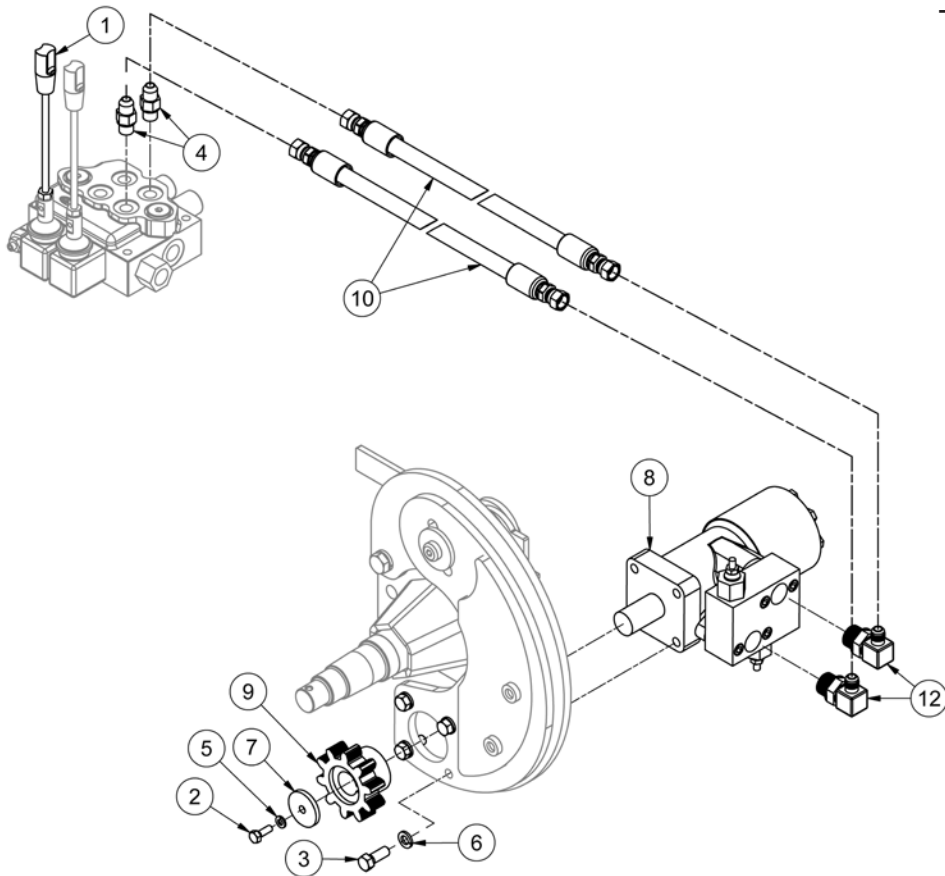


# Single Power Drive - TLHPD5000 & TLHPD50001

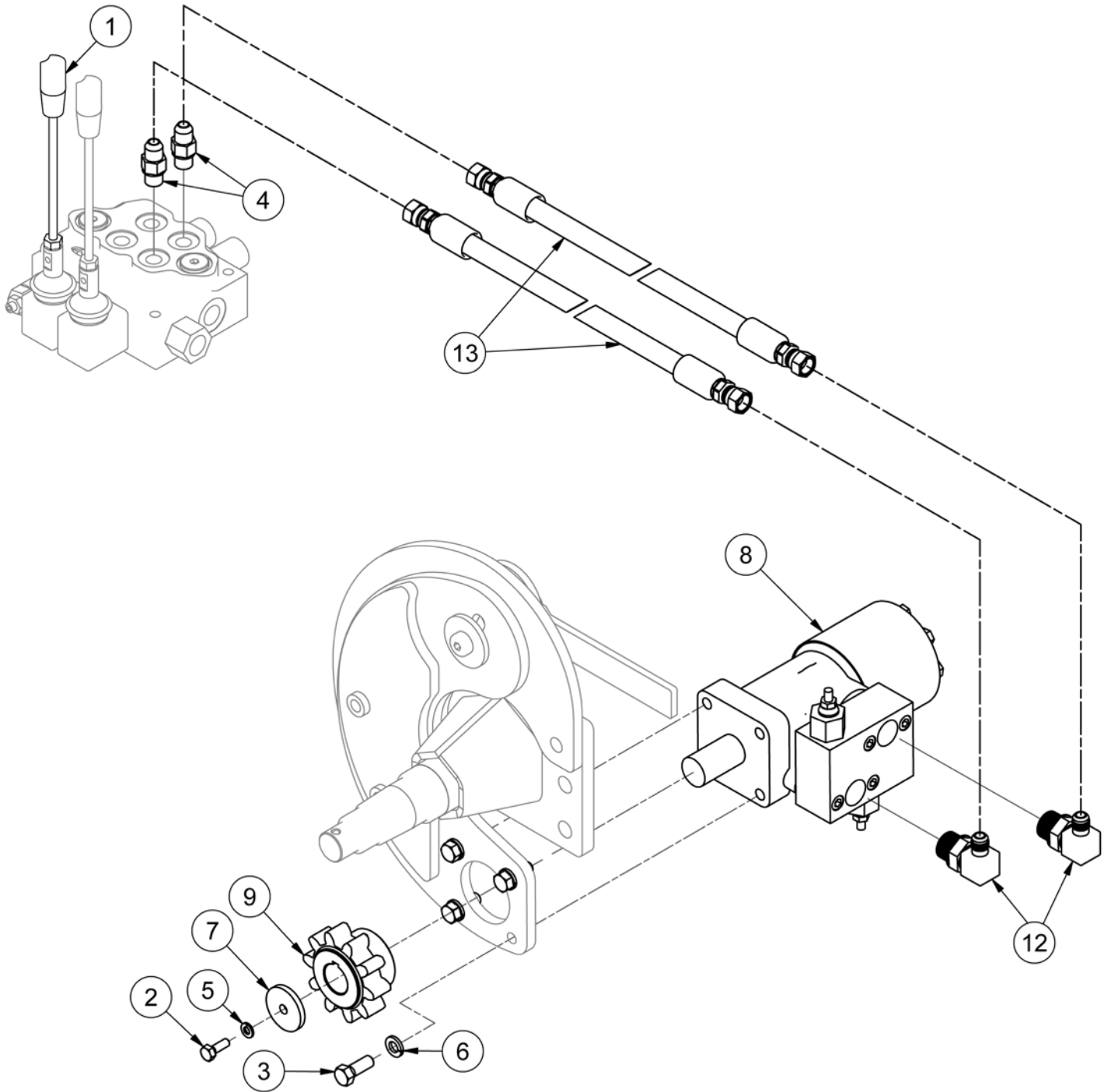
TLHPD5000



TLHPD50001



# Single Power Drive - TLHPD50002

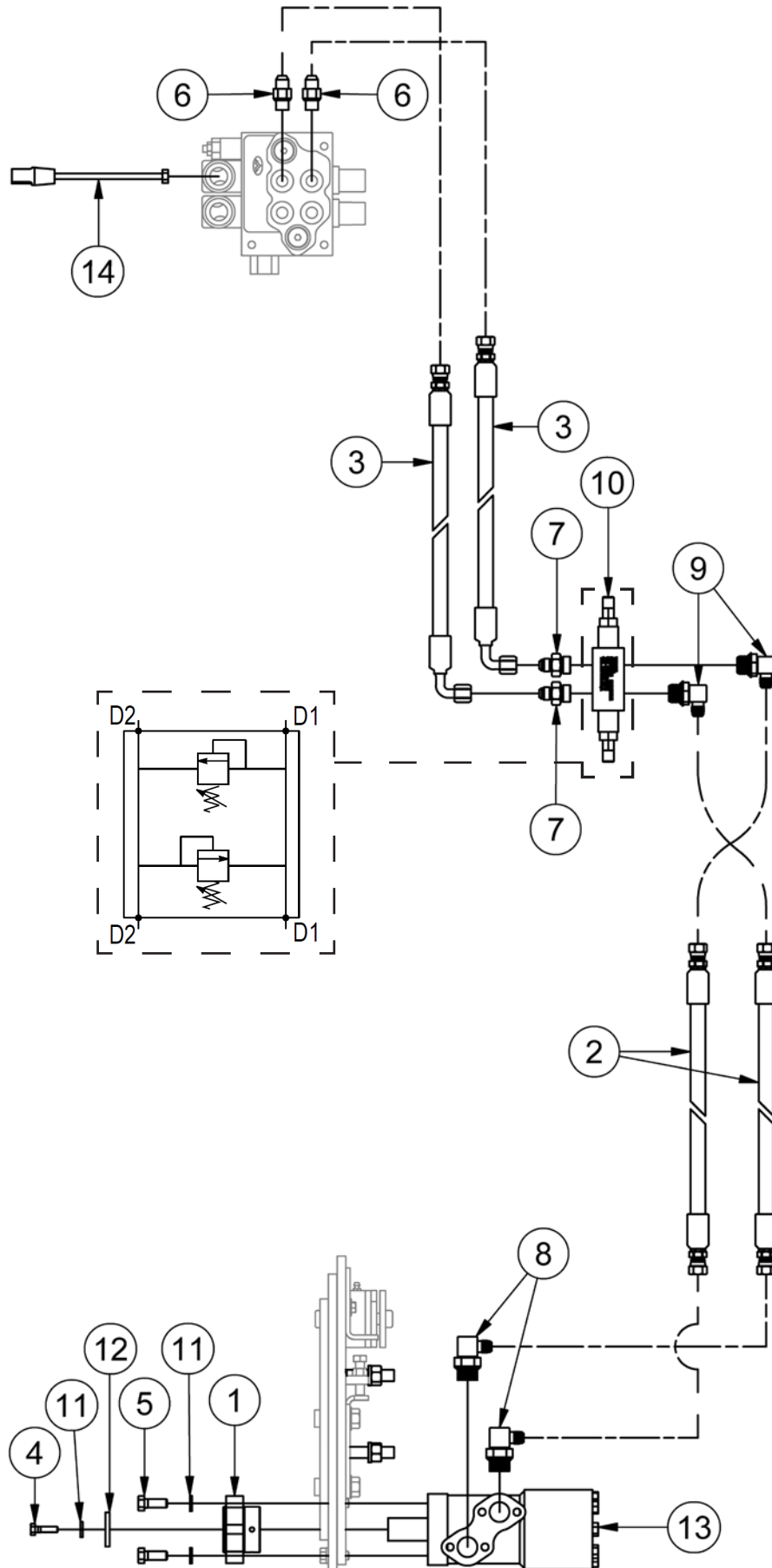


## Single Power Drive

ITEM	QTY	PART NUMBER	DESCRIPTION	SERIAL BREAK	NOTE
		TLHPD5000	Option Single Power Drive	Up to 09R178	Items 1-11
		TLHPD50001	Option Single Power Drive	09R178 - 11R012	Items 1-10,12,13
		TLHPD50002	Option Single Power Drive	11R012 - 17R060	Items 1-10,12,13
1	1	VAL 27133	Single Handle		
2	1	HB 1/4-20X0.75 Z5	Hex Bolt 1/4-20x3/4 Grade 5 Zinc Plated Hex Cap Screw		
3	4	HB 3/8-16X1 Z5	Hex Bolt 3/8-16x1 Grade 5 Zinc Plated Hex Cap Screw		
4	2	HF 6400-6-6	Hydraulic Fitting - Male JIC - Male ORB		
5	1	LW 1/4	LW - 1/4" Zinc Plated Medium Split		
6	4	LW 3/8	LW - 3/8" Zinc Plated Medium Split		
7	1	TL552404	Hoop Motor Plate		
8	1	TL550-200-138	Hydraulic Motor c/w Crossover		
9	1	TL550-203-237	Drive Gear TLR5000	Up to 12R098	
	1	28772	Power Drive Sprocket	12R099 - Current	
10	2	24721	Single Power Drive Hose (172")		
11	2	HF 6400-6-10	Hydraulic Fitting - Male JIC - Male ORB		
12	2	HF 6801-6-10	Hydraulic Fitting - 90° JIC to O-Ring		
13	2	28012	Hose - HH156 - 6AT1(6FJIC,6FJIC) HCL156		

# Single Power Drive - Current

Serial Number 17R061 to current

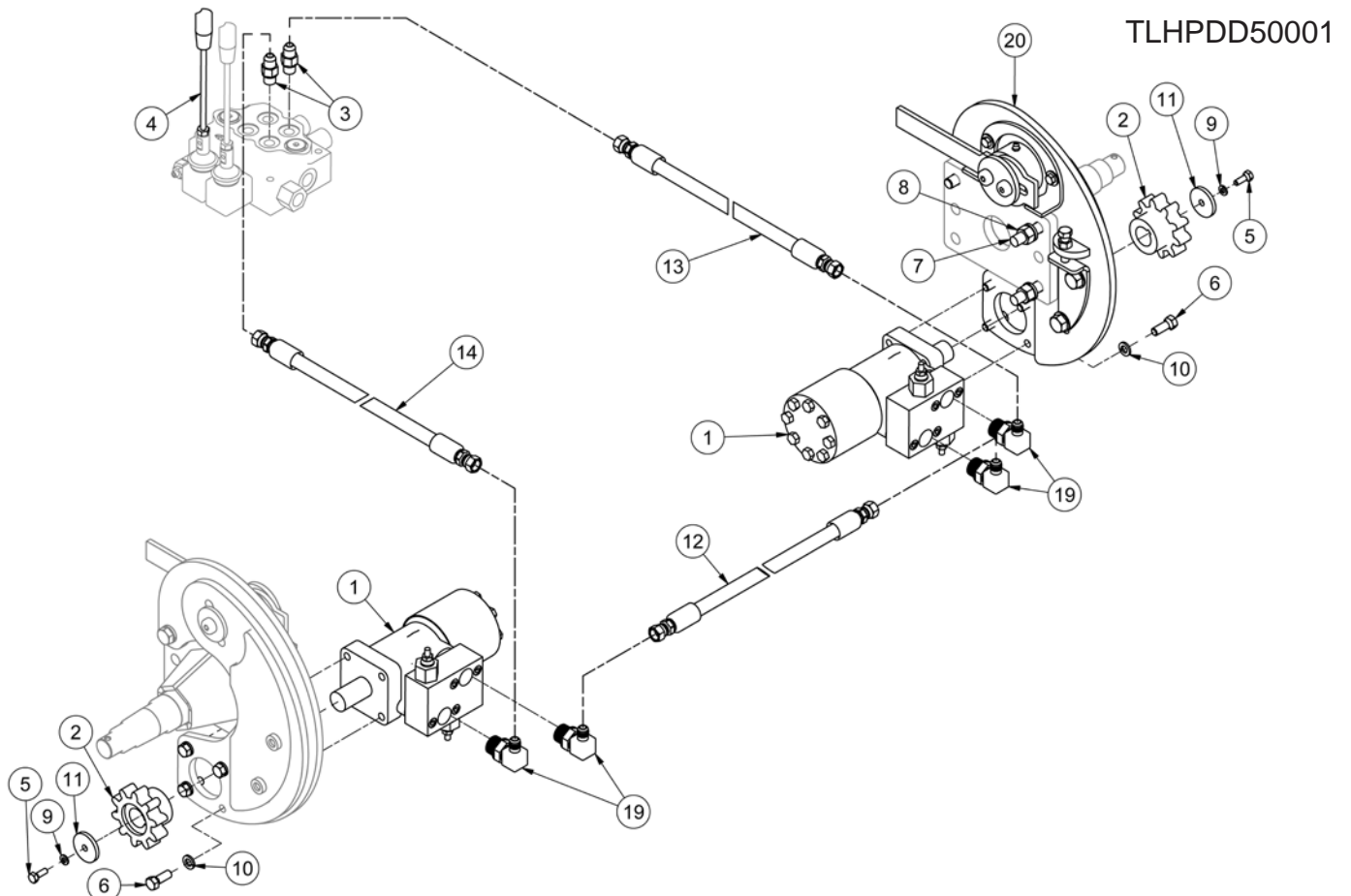
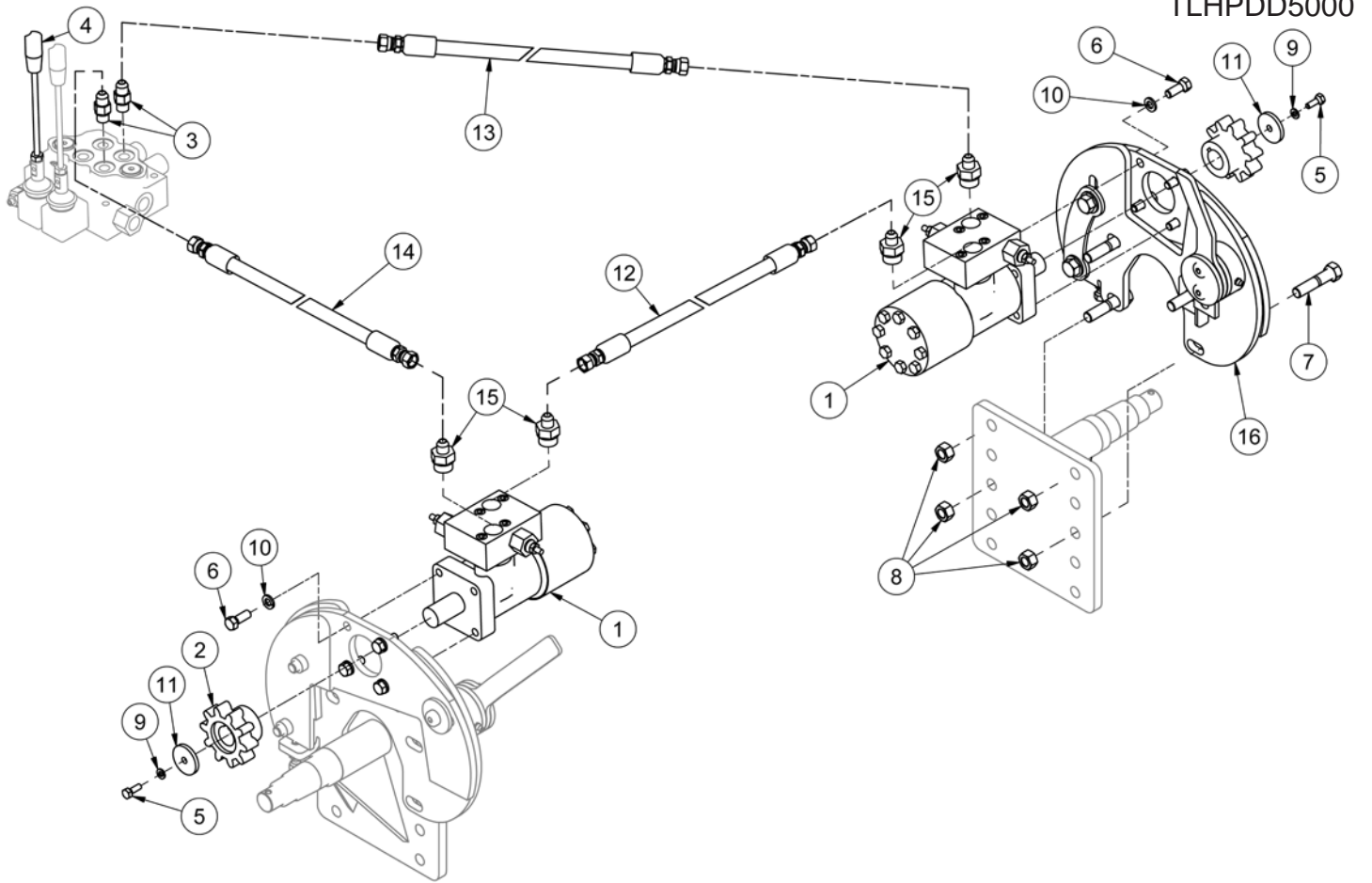


## Single Power Drive - Current

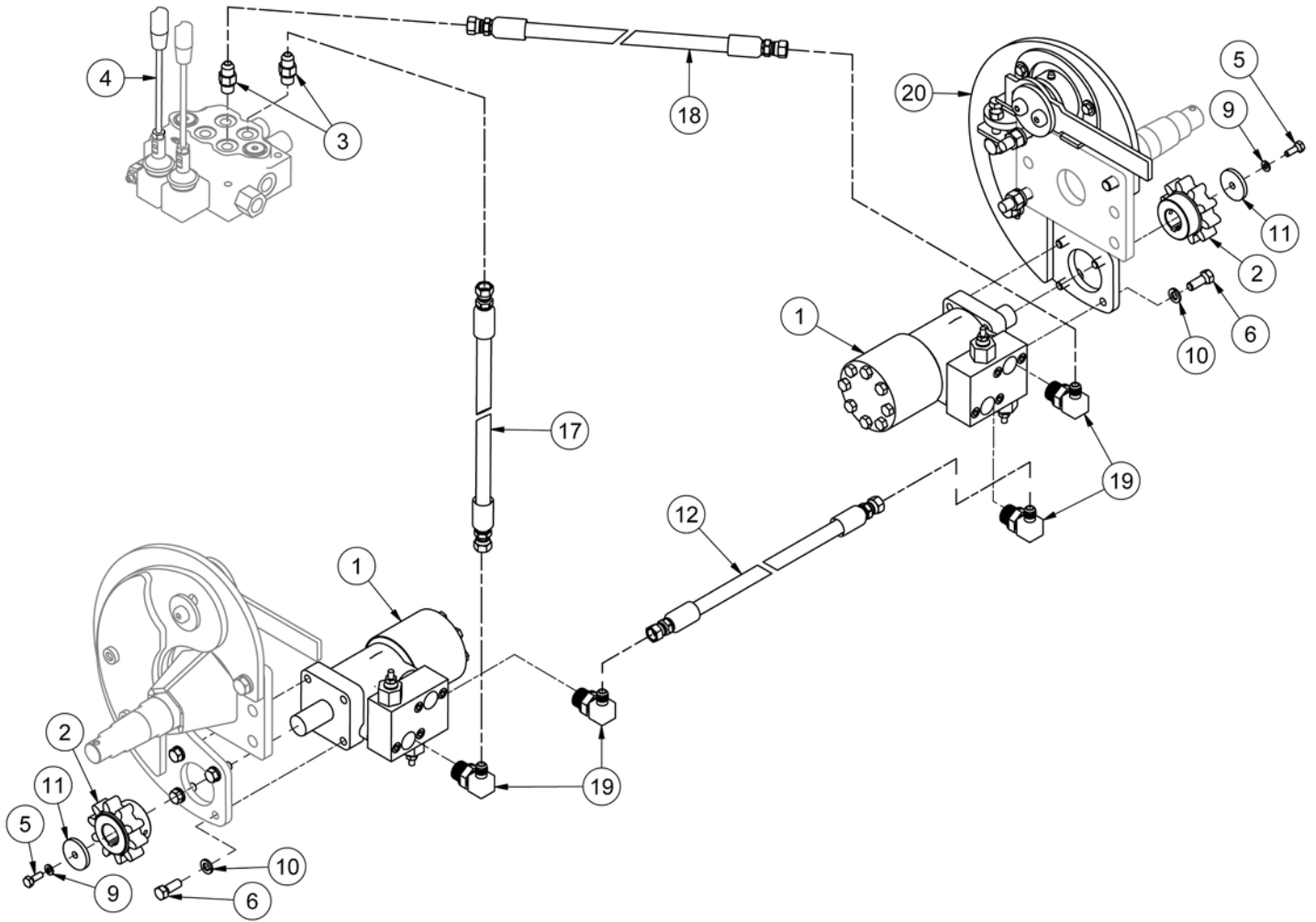
Serial Number 17R061 to current

ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	28772	Power Drive Sprocket for TL5500,TLR5000
2	2	30657	HH79- 6AT1(6FJXH-6FJXH) HCL79"
3	2	41512	HH80- 6AT1(6FJXH-6FJX90S) HCL80"
4	2	HB 1/4-20X1 Z5	Hex Bolt 1/4-20x1 Grade 5 Zinc Plated Hex Cap Screw
5	8	HB 3/8-16X1 Z5	Hex Bolt 3/8-16x1 Grade 5 Zinc Plated Hex Cap Screw
6	2	HF 6400-6-6	Hydraulic Fitting - Male JIC - Male ORB
7	2	HF 6400-6-8	Hyd Fitting -Male JIC - Male ORB
8	4	HF 6801-6-10	Hydraulic Fitting - 90° JIC to O-Ring
9	2	HF 6801-6-8	Hyd Fitting - Male JIC - Male ORB 90 Degree
10	1	LA-SB2000RV	Relief Valves
11	10	LW 3/8	LW - 3/8" Zinc Plated Medium Split
12	2	TL552404	HRP .188
13	2	VAL 1008	Motor, Hydraulic - (BS208107A)
14	1	VAL 21733	Valvoil SD/5 2 Lever Handle

# Dual Power Drive - TLHPDD5000 & TLHPDD50001



# Dual Power Drive - TLHPDD50002



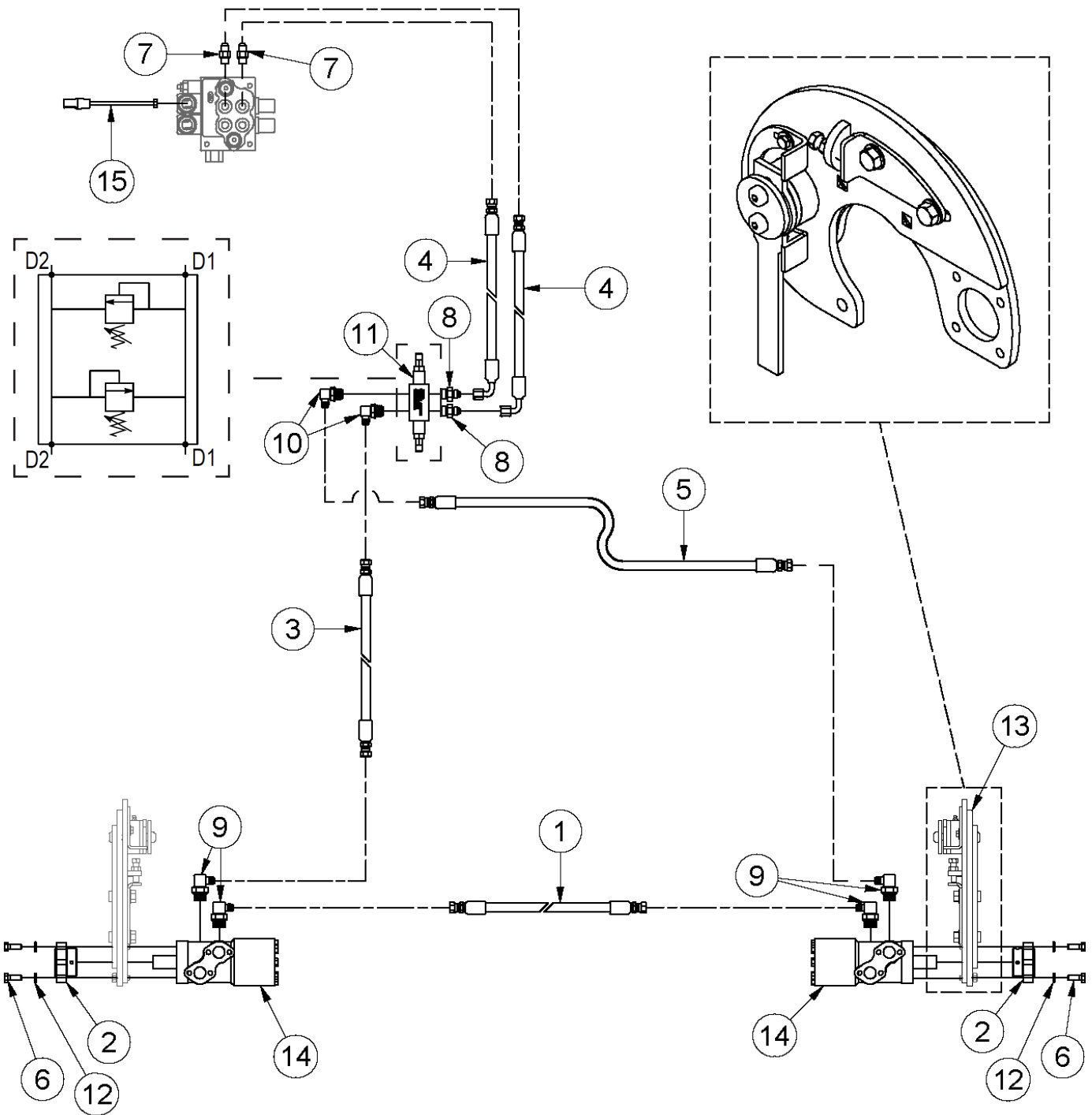


## Dual Power Drive

ITEM	QTY	PART NUMBER	DESCRIPTION	SERIAL BREAK	NOTE
		TLHPDD5000	Optional Dual Power Drive	Up to 09R178	Items 1-16
		TLHPDD50001	Optional Dual Power Drive	09R178 - 11R012	Items 1-14,19,21
		TLHPDD50002	Optional Dual Power Drive	11R012 - 17R060	Items 1-12,17-20
1	2	TL550-200-138	Hydraulic Motor c/w Crossover		
2	2	TL550-203-237	Drive Gear TLR5000	Up to 12R098	
	1	28772	Drive Gear TLR5000	12R099 - Current	
3	2	HF 6400-6-6	Hydraulic Fitting - Male JIC - Male ORB		
4	2	VAL 27133	Single Handle		
5	2	HB 1/4-20X0.75 Z5	Hex Bolt 1/4-20x3/4 Grade 5 Zinc Plated Hex Cap Screw		
6	8	HB 3/8-16X1 Z5	Hex Bolt 3/8-16x1 Grade 5 Zinc Plated Hex Cap Screw		
7	4	HB 1/2-20X2.25 Z5	Hex Bolt 1/2-20x2 1/4 Grade 5 Zinc Plated Hex Cap Screw		
8	4	HN 1/2 - 20	Hex Nut 1/2-20 NF Fine Thread		
9	2	LW 1/4	LW - 1/4" Zinc Plated Medium Split		
10	8	LW 3/8	LW - 3/8" Zinc Plated Medium Split		
11	2	TL552404	Hoop Motor Plate		
12	1	24723	Hydraulic Hose 108"		
13	1	24722	Hydraulic Hose 210"		
14	1	24721	Single Power Drive Hose (172")		
15	4	HF 6400-6-10	Hydraulic Fitting - Male JIC - Male ORB		
16	1	TLWHEEL32R	Right Power Drive Linkage	Up to 09R178	
17	1	28012	Hydraulic Hose 156"		
18	1	28013	Hydraulic Hose 203"		
19	4	HF 6801-6-10	Hydraulic Fitting - 90° JIC to O-Ring		
20	1	TL109-100-355	Power Drive Assembly LH	11R012 - 17R060	
21	1	TL109-100-360	Power Drive Assembly RH	09R178 - 11R012	

# Dual Power Drive - Current

Serial Number 17R061 to current



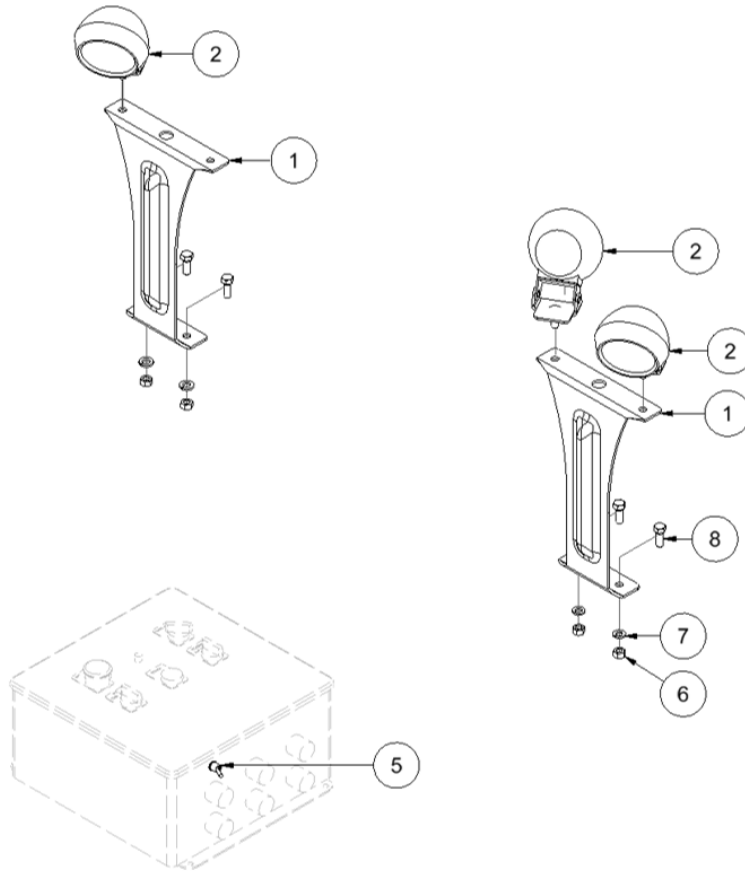
## Dual Power Drive - Current

Serial Number 17R061 to current

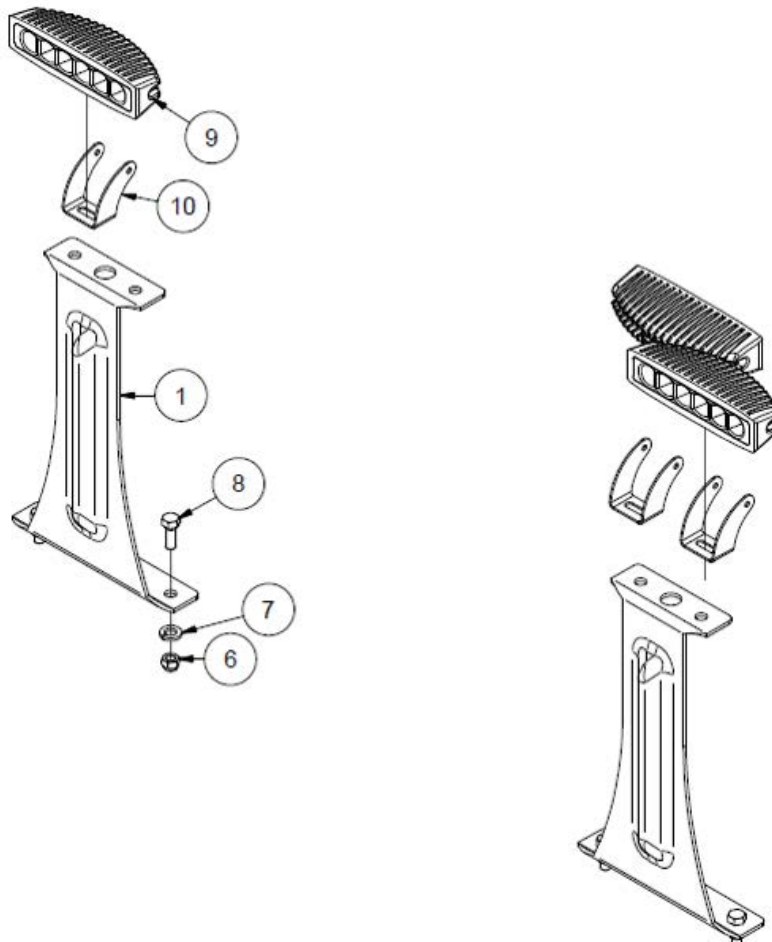
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	24723	HH108 - 6AT1(6FJIC, 6FJIC) HCL108"
2	2	28772	Power Drive Sprocket for TL5500,TLR5000
3	1	30657	HH79- 6AT1(6FJXH-6FJXH) HCL79"
4	2	41512	HH80- 6AT1(6FJXH-6FJX90S) HCL80"
5	1	41513	HH122-6AT1(6FJXH-6FJXH) HCL122"
6	8	HB 3/8-16X1.0 Z5	Hex Bolt 3/8-16 x 1" Grade 5 Zinc Plated Hex Cap Screw NC
7	2	HF 6400-6-6	Hyd Fitting
8	2	HF 6400-6-8	Hyd Fitting -Male JIC - Male ORB
9	4	HF 6801-6-10	Hyd. Fitting -Male JIC - Male ORB 90 Degree Elbow
10	2	HF 6801-6-8	Hyd Fitting - Male JIC - Male ORB 90 Degree
11	1	LA-SB2000RV	Relief Valves
12	8	LW 3/8	Lockwasher - 3/8" Zinc Plated Medium Split
13	1	TL109-100-360	Power Drive Assembly RH
14	2	VAL 1008	Motor, Hydraulic - (BS208107A)
15	1	VAL 21733	Valvoil SD/5 2 Lever Handle

# Light Kit(s)

TLNWLK (Halogen)



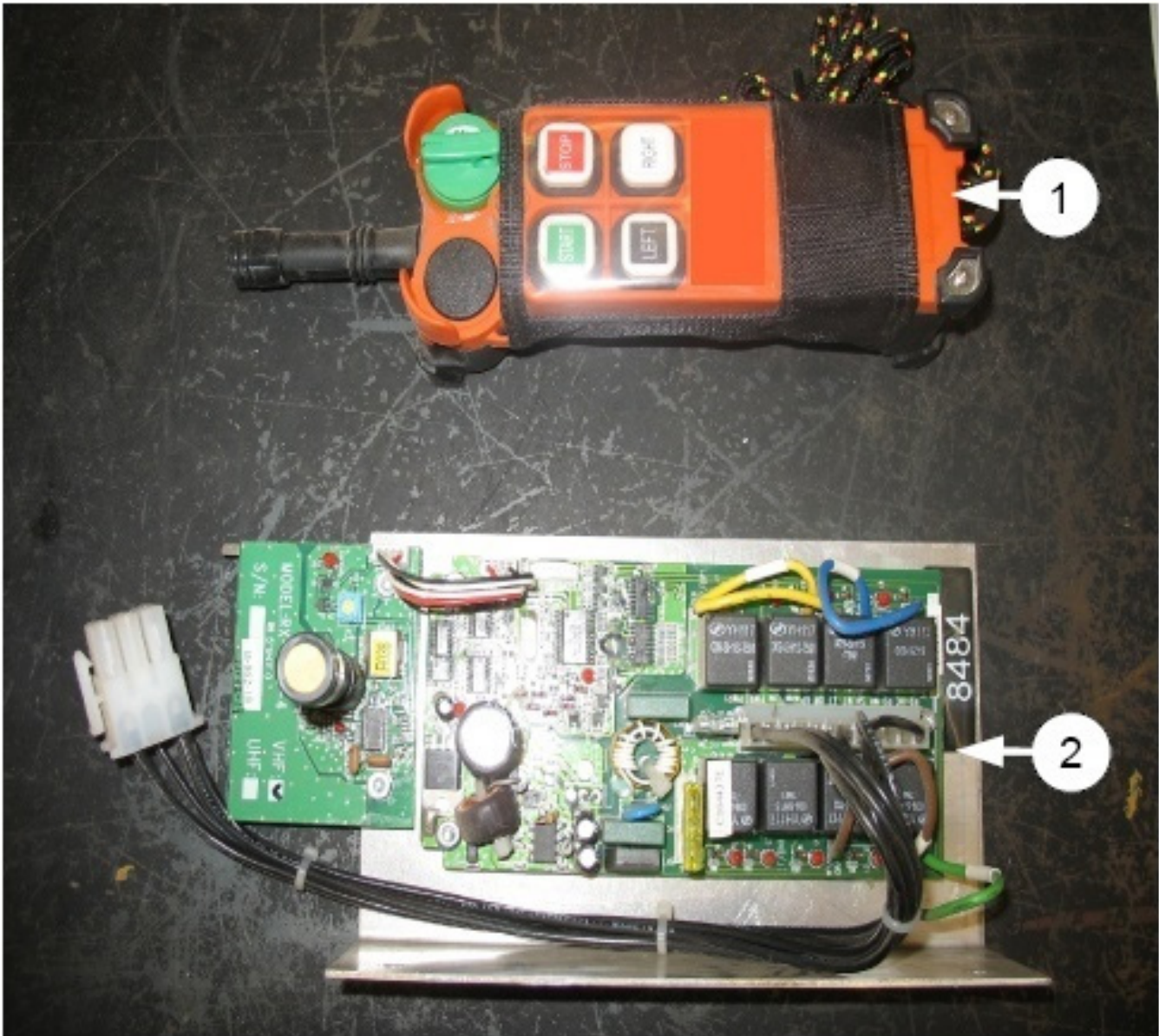
TLNWLKLED (LED)



## Light Kit(s)

ITEM	QTY	PART NUMBER	DESCRIPTION
		TLNWLK	Complete Halogen Kit
		TLNWKLED	Complete LED Kit
1	2	TL5X2-100-201	Light Bracket
2	3	TL64931B	Light
3	1	FUSEATC-15	15 Amp Blade Type Fuse
4	1	TL82-2164	Fuse Holder
5	1	TL550-200-235	Toggle Switch
6	4	HN 3/8	Hex Nut 3/8"-16 Grade 5 Zinc Plated Finished NC
7	2	LW 3/8	LW 3/8" (Lock Washer)
8	4	HB 3/8-16X1.0 Z5	Hex Bolt 3/8-16 x 1" Grade 5 Zinc Plated Hex Cap Screw NC
9	3	33237	LED Light
10	3	33223	LED Light Bracket

# Remote Control



## Remote Control

ITEM	QTY	PARTNUMBER	DESCRIPTION
		TLR SSKX2HD	Remote Control Kit
1	1	TLH HCX2HD	Hand-held Unit
2	1	TLR SSKX2HDL	Receiver Unit

### Remote Control Installation

- Bolt receiver assembly to inside rear right of control box with connector plug at bottom.
- Locate the plug with 6 wires inside the control panel.
- Remove the jumper plug and connect the remote control board.

**Note:** All remote control units use the same frequency, no programming is required.

### Remote Control Function

**ON/OFF** – Turns handheld unit on/off (detent has no function).

**START** – Starts the wrap cycle (unplug the table switch if you prefer to start each cycle with this button), this will not restart the hoop if cycle is broken after Hoop Start was triggered.

**STOP** – Stops the wrap cycle (if the table switch is not unplugged and it has a bale holding it down, it is nessecary to hold stop until the circuit is broken by switching to manual mode at the control panel).

**LEFT** - Steers left.

**RIGHT** - Steers right.



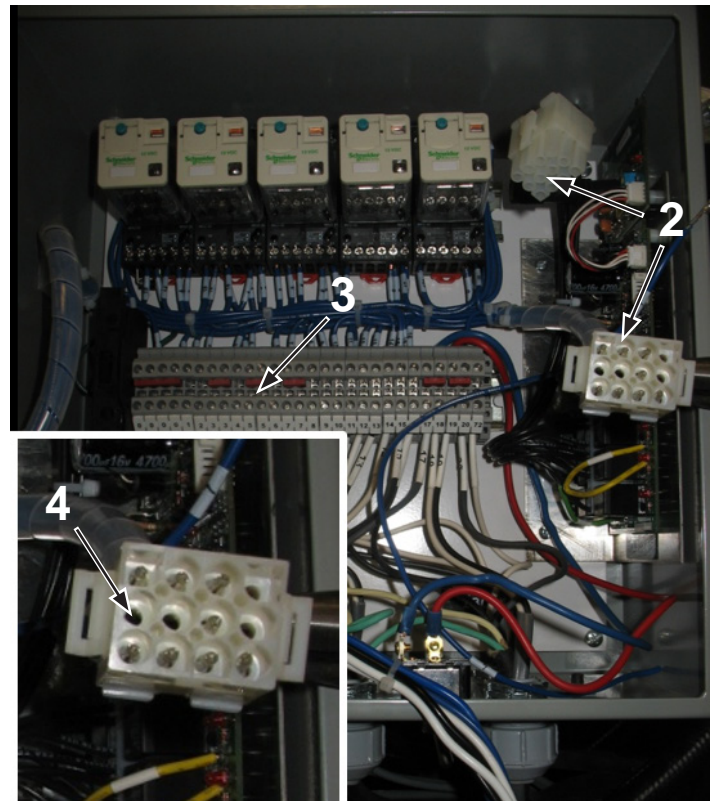
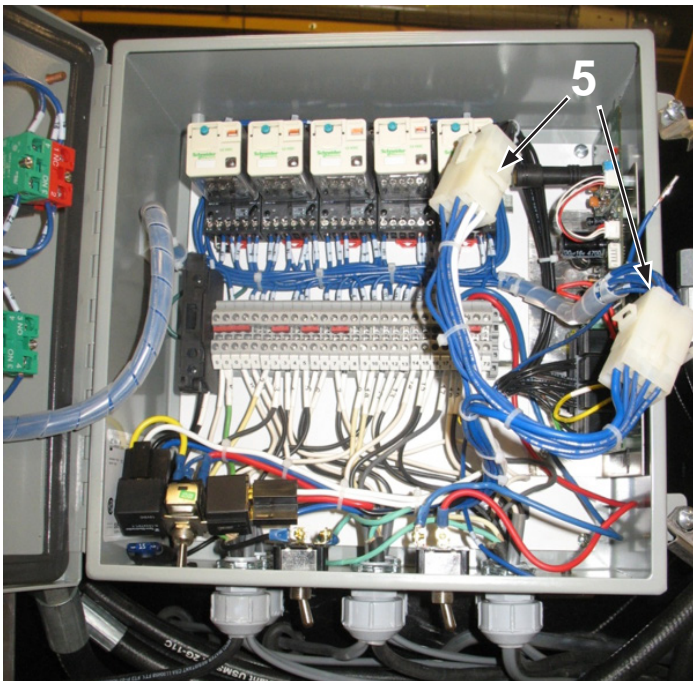
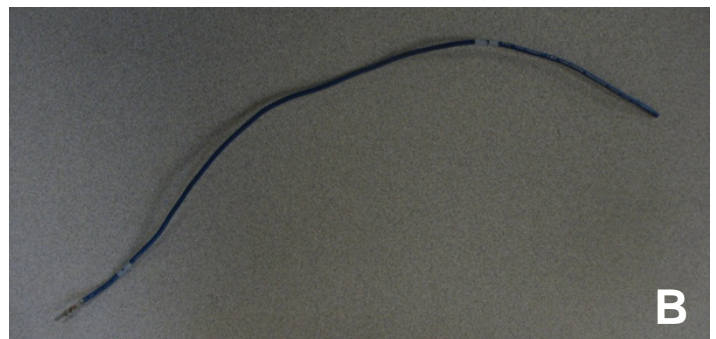
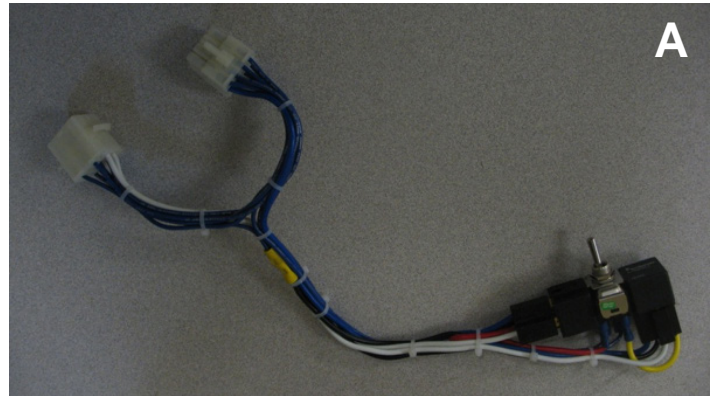
## Optional Remote Start Add-on\*

\* To order this option you must have a remote control [see previous page(s)]

### Remote Start Add-on Installation

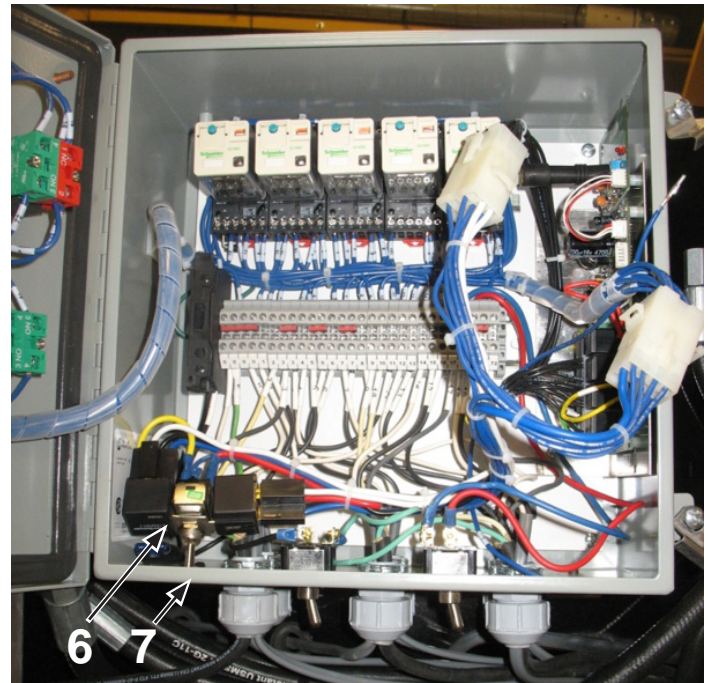
Read the following instructions before attempting to install.

1. Make sure you have both Item A (remote switch) & B (power wire).
2. After making sure your wrapper's engine and control panel are switched off, open your control panel and unplug the 2 white pin plugs.
3. Connect the provided power wire (B) into the top #7 port on the control panel terminal strip. Older machines (Prior to serial # 13R058) will have only one top #7 on their terminal strip. Splice this new wire into the existing #7 wire to install.
4. The silver capped end on the provided wire MUST be threaded into this plug AND this port. (Fins on the cap will hold the wire in place once inserted).





5. Plug 2 white existing plugs into the 2 white plugs on the provided remote start switch (A).
6. Unscrew one of the hex jam nuts from the bottom of the switch on the remote start.
7. Drill 1/2" hole into bottom of control panel if your machine is older than serial # 13R058. If newer, remove black plug.
8. Slide the switch through the hole in the bottom of the control panel and refasten the hex jam nut you took off in step 6.
9. Close the control panel.
10. Apply provided decal to front of control panel, above installed switch.



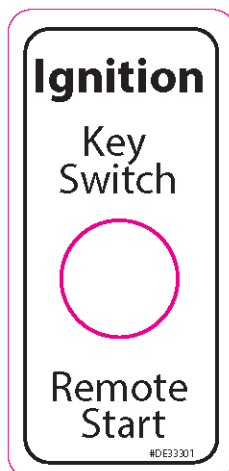
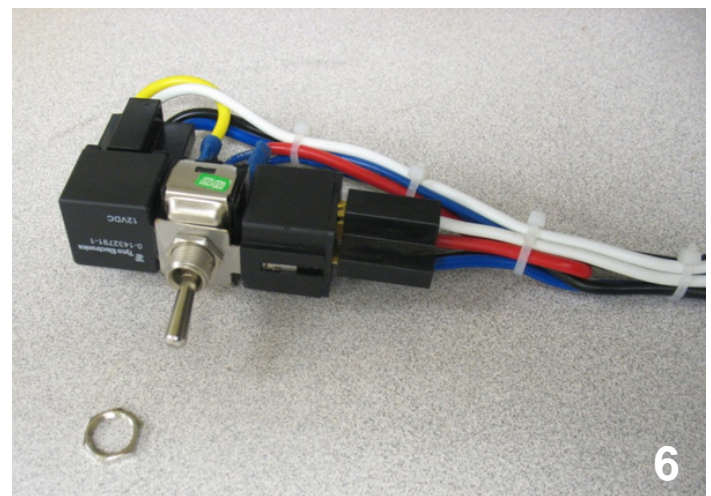
### Remote Start Add-on Test Run

Your new remote start is now complete.

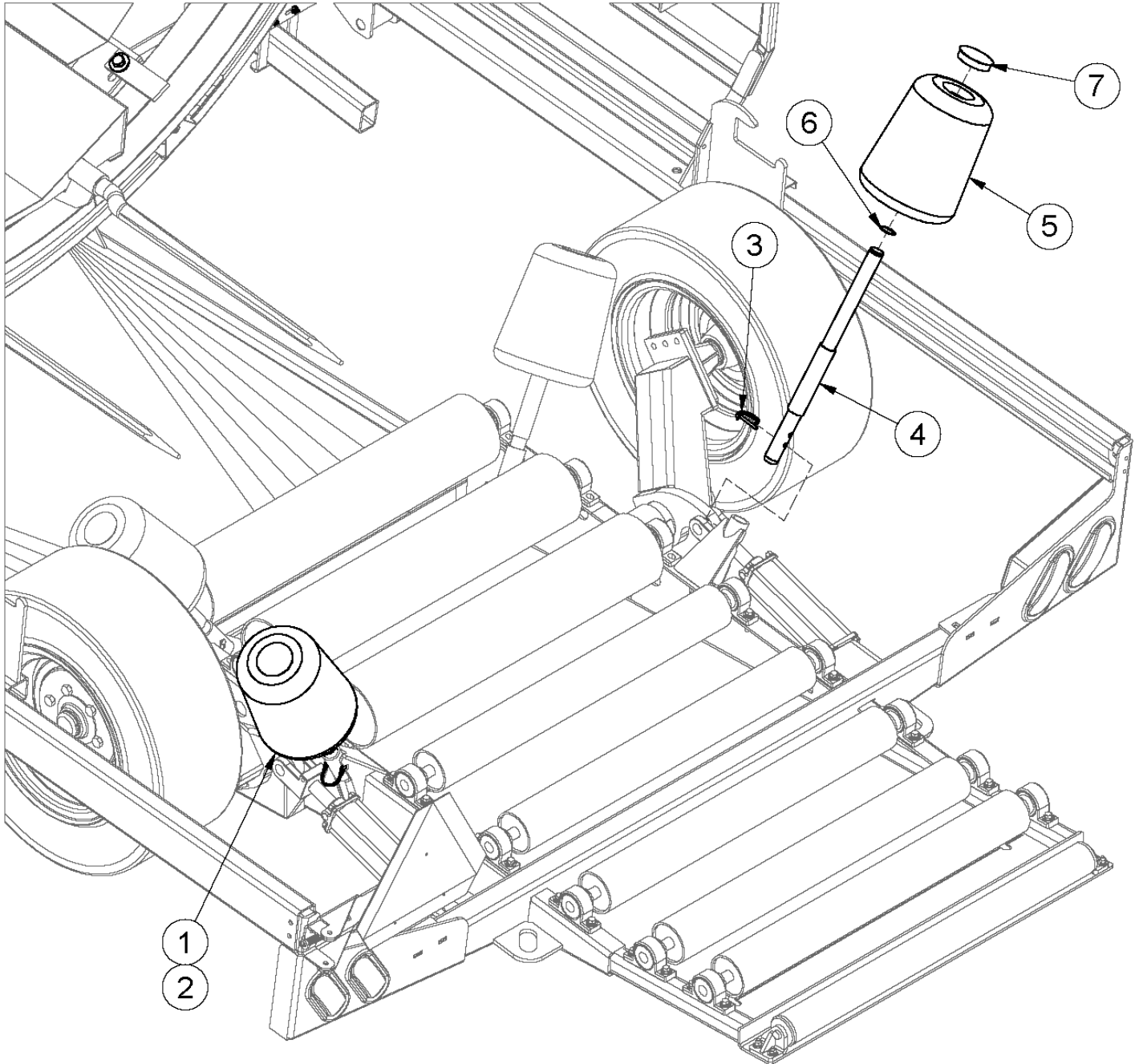
To test this feature follow these steps:

1. Flip switch on bottom of control panel to Remote Engine Start.
2. Twist the green dial on your orange remote. (you may have to hold it open for a moment, especially if cold starting).
3. If the machine doesn't start you may want to engage the throttle slightly.

*For troubleshooting please contact your local dealer or contact us using the information provided on page of this manual.*



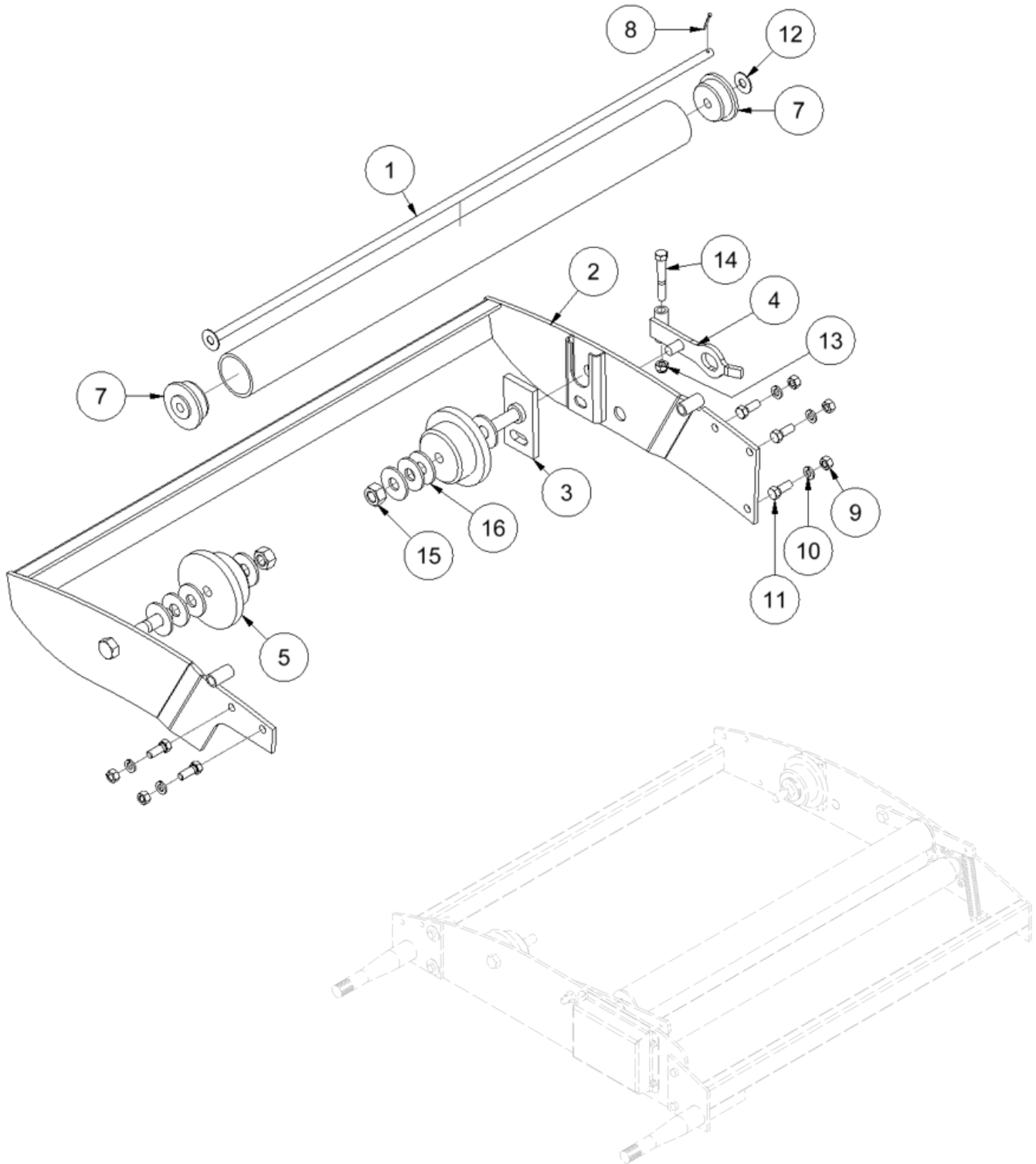
# Guide Rollers



## Guide Rollers

<b>ITEM</b>	<b>QTY</b>	<b>PARTNUMBER</b>	<b>DESCRIPTION</b>
1	2	TLGRA	Guide Roller (Single)
2	1	TLGR	Guide Roller Kit
3	2	TL550-301-233	Lock Pin - 5/16 PTO Pin
4	2	TL550-301-239	Guide Roller Spindle
5	2	TL550-301-238	Guide Roller
6	2	RR 1.25	Retaining Ring (Spaenaur No. R3100-125)
7	2	TL245-057	Nylon Plug 3"

# Twin Wrap Kit



## Twin Wrap Kit

ITEM	QTY	PART NUMBER	DESCRIPTION
		TL TWK	Twin Wrap Kit
1	1	TL TWROD	Idler Axle
2	1	TL550-200-139	Twin Wrap Frame
3	1	TL550-200-115	Spool Holder Bracket
4	1	TL550-200-103	Spool Holder Latch
5	2	TL550-200-012	Wrap Spool Holder
6	1	TL550-100-022	Plastic Idler
7	2	TL500-100-021	Idler End Caps
8	1	CP 18X1	Pin, Cotter 1/8 x 1.0
9	5	HN 3/8	Hex Nut 3/8"-16 Grade 5 Zinc Plated Finished NC
10	5	LW 3/8	Lockwasher - 3/8" Zinc Plated Medium Split
11	5	HB 3/8-16X1.0 Z5	Hex Bolt 3/8-16 x 1" Grade 5 Zinc Plated Hex Cap Screw NC
12	2	FW 7/16	Flatwasher - 7/16" Zinc Plated USS
13	1	LN 3/8 N	Locknuts - 3/8-16 Zinc Plated Nylon Insert Lock Nut
14	1	HB 3/8-16X2.1/2 Z5	Hex Bolt 3/8"-16 x 2-1/2" Grade 5 Zinc Plated Hex Cap Screw NC
15	2	HN 5/8	Hex Nut - 5/8"-11 Grade 5 Zinc Plated Finished NC
16	8	FW 5/8	Flatwasher - 5/8" Zinc Plated USS


















## Manual Pushoff Arm - TLMPO-5000 (Up to 16R234) 39683 (Up to Current)

ITEM	QTY	PART NUMBER	DESCRIPTION	SERIALBREAK
1	1	31186	Folding Pushoff Left Arm	
2	1	31188	Folding Pushoff Right Arm	
3	1	31192	Top Pushoff Arm Sprocket	
4	1	31300	Folding Pushoff Arm Link	
5	2	31301	Pushoff Pin	
6	1	31302	Rubber Pushoff Pin	
7	4	31303	Pin Endcap	
8	1	31309	Folding Pushoff Left Base	Up to 16R234
9	1	39697	5000 Pushoff Left Side	16R236 to Current
10	1	31312	Folding Pushoff Right Base	Up to 16R234
11	1	39696	Large Hoop Pocket (Weldment)	16R236 to Current
12	1	31367	Spring Tension Access Cover	
13	1	31369	Last Pushoff Roller	
14	1	31385	Pushoff Roller Pivot Pin	
15	1	31388	Folding Pushoff Guide Arm	
16	1	31395	Tension Spring	
17	1	31535	Pushoff	
18	1	33230	Torsion Spring	
19	1	33231	Folding Pushoff Handle	
20	1	36690	Folding Pushoff Latch	
21	3	36942	Rubber Plate Spacer	
22	1	EB3/8-16X6.0	Eye Bolt - 3/8-16 x 6" Shank Zinc Plated Turned	
23	9	FW 1/2	Flatwasher - 1/2" Zinc Plated USS	
24	1	FW 3/8	Flatwasher - 3/8" Zinc Plated USS	
25	7	GR 1/4 X 28	Grease Fitting 1/4-28 Strght-Standrd Zerk	
26	3	HB 1/2X5/8 SS	Socket Head Shoulder Screws - 1/2 Shldr x 5/8 x 3/8-16	
27	4	HB 3/8-16X0.75 Z5	Hex Bolt 3/8-16x3/4 Grade 5 Zinc Plated Hex Cap Screw	
28	2	HBC1/4X0.5	Hex Bolt Cerrated 1/4-20 x 1/2 Zinc Flange Bolt	
29	2	HBC3/8X1	Hex Bolt Cerrated 3/8-16 x 1 Zinc Flange Bolt	
30	4	HN 3/8	Hex Nut 3/8"-16 Grade 5 Zinc Plated Finished	
31	3	MS 3/8X16X1	Machine Screw - (Inch)	
32	1	PP00685	Rubber Stop	
33	2	PP00686	Wood Screw, #6 x 5/8"	
34	2	RP 1/4 x 1 1/2	Pin - Roll Pin 1/4 x 1 1/2	
35	2	RP 1/4 x 1 1/4	Pin - Roll Pin 1/4 x 1 1/4	
36	1	TL550-100-069	Throttle Spring	

# Imperial Torque Value Chart

## UNIFIED INCH BOLT AND CAP SCREW TORQUE VALUES

SAE Grade and Head Markings	1 or 2 <sup>b</sup>	5	5.1	5.2	8	8.2
	NO MARK 					
SAE Grade and Nut Markings	2	5		8		
	NO MARK 					

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Size	Grade 1				Grade 2 <sup>b</sup>				Grade 5, 5.1, or 5.2				Grade 8 or 8.2			
	Lubricated <sup>a</sup>		Dry <sup>a</sup>		Lubricated <sup>a</sup>		Dry <sup>a</sup>		Lubricated <sup>a</sup>		Dry <sup>a</sup>		Lubricated <sup>a</sup>		Dry <sup>a</sup>	
	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft
1/4	3.7	2.8	4.7	3.5	6	4.5	7.5	5.5	9.5	7	12	9	13.5	10	17	12.5
5/16	7.7	5.5	10	7	12	9	15	11	20	15	25	18	28	21	35	26
3/8	14	10	17	13	22	16	27	20	35	26	44	33	50	36	63	46
7/16	22	16	28	20	35	26	44	32	55	41	70	52	80	58	100	75
1/2	33	25	42	31	53	39	67	50	85	63	110	80	120	90	150	115
9/16	48	36	60	45	75	56	95	70	125	90	155	115	175	130	225	160
5/8	67	50	85	62	105	78	135	100	170	125	215	160	240	175	300	225
3/4	120	87	150	110	190	140	240	175	300	225	375	280	425	310	550	400
7/8	190	140	240	175	190	140	240	175	490	360	625	450	700	500	875	650
1	290	210	360	270	290	210	360	270	725	540	925	675	1050	750	1300	975
1-1/8	400	300	510	375	400	300	510	375	900	675	1150	850	1450	1075	1850	1350
1-1/4	570	425	725	530	570	425	725	530	1300	950	1650	1200	2050	1500	2600	1950
1-3/8	750	550	950	700	750	550	950	700	1700	1250	2150	1550	2700	2000	3400	2550
1-1/2	1000	725	1250	925	990	725	1250	930	2250	1650	2850	2100	3600	2650	4550	3350

DO NOT use these values if a different torque value or tightening procedure is given for a specific application. Torque values listed are for general use only. Check tightness of fasteners periodically.

Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical grade.

<sup>a</sup> "Lubricated" means coated with a lubricant such as engine oil, or fasteners with phosphate and oil coatings. "Dry" means plain or zinc plated without any lubrication.

<sup>b</sup> Grade 2 applies for hex cap screws (not hex bolts) up to 152 mm (6-in.) long. Grade 1 applies for hex cap screws over 152 mm (6-in.) long, and for all other types of bolts and screws of any length.

Fasteners should be replaced with the same or higher grade. If higher grade fasteners are used, these should only be tightened to the strength of the original.

Make sure fasteners threads are clean and that you properly start thread engagement. This will prevent them from failing when tightening.

Tighten plastic insert or crimped steel-type lock nuts to approximately 50 percent of the dry torque shown in the chart, applied to the nut, not to the bolt head. Tighten toothed or serrated-type lock nuts to the full torque value.

# Metric Torque Value Chart

## METRIC BOLT AND CAP SCREW TORQUE VALUES

Property Class and Head Markings	4.8		8.8		9.8		10.9		12.9	
Property Class and Nut Markings	5		10		10		10		12	

Size	Class 4.8				Class 8.8 or 9.8				Class 10.9				Class 12.9			
	Lubricated*		Dry*		Lubricated*		Dry*		Lubricated*		Dry*		Lubricated*		Dry*	
	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft
M6	4.8	3.5	6	4.5	9	6.5	11	8.5	13	9.5	17	12	15	11.5	19	14.5
M8	12	8.5	15	11	22	16	28	20	32	24	40	30	37	28	47	35
M10	23	17	29	21	43	32	55	40	63	47	80	60	75	55	95	70
M12	40	29	50	37	75	55	95	70	110	80	140	105	130	95	165	120
M14	63	47	80	60	120	88	150	110	175	130	225	165	205	150	260	190
M16	100	73	125	92	190	140	240	175	275	200	350	255	320	240	400	300
M18	135	100	175	125	260	195	330	250	375	275	475	350	440	325	560	410
M20	190	140	240	180	375	275	475	350	530	400	675	500	625	460	800	580
M22	260	190	330	250	510	375	650	475	725	540	925	675	850	625	1075	800
M24	330	250	425	310	650	475	825	600	925	675	1150	850	1075	800	1350	1000
M27	490	360	625	450	950	700	1200	875	1350	1000	1700	1250	1600	1150	2000	1500
M30	675	490	850	625	1300	950	1650	1200	1850	1350	2300	1700	2150	1600	2700	2000
M33	900	675	1150	850	1750	1300	2200	1650	2500	1850	3150	2350	2900	2150	3700	2750
M36	1150	850	1450	1075	2250	1650	2850	2100	3200	2350	4050	3000	3750	2750	4750	3500

DO NOT use these values if a different torque value or tightening procedure is given for a specific application. Torque values listed are for general use only. Check tightness of fasteners periodically.

Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical property class.

Fasteners should be replaced with the same or higher property class. If higher property class fasteners are used, these should only be tightened to the strength of the original.

\* "Lubricated" means coated with a lubricant such as engine oil, or fasteners with phosphate and oil coatings. "Dry" means plain or zinc plated without any lubrication.

Make sure fasteners threads are clean and that you properly start thread engagement. This will prevent them from failing when tightening.

Tighten plastic insert or crimped steel-type lock nuts to approximately 50 percent of the dry torque shown in the chart, applied to the nut, not to the bolt head. Tighten toothed or serrated-type lock nuts to the full torque value.

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