



EPIC SERIES

Models 4105, 4150 & 4155

FLEX-WING MECHANICAL LEVEL
LIFT ROTARY CUTTER/SHREDDER

Published 01/17

Part No. 00791524P

PART'S MANUAL



An Operator's Manual was shipped with the equipment in the Manual Canister. This Operator's Manual is an integral part of the safe operation of this machine and must be maintained with the unit at all times. **READ, UNDERSTAND, and FOLLOW** the Safety and Operation Instructions contained in this manual before operating the equipment. If the Operator's Manual is not with the equipment, contact your dealer or Servis-Rhino (800-446-5158) to obtain a Free copy before operating the equipment.



FC-R-0162

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1020 S. Sangamon Ave.

Gibson City, IL 60936

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Rhino Web Page



www.algqr.com/rwe



TO THE OWNER/OPERATOR/DEALER

All implements with moving parts are potentially hazardous. There is no substitute for a cautious, safe-minded operator who recognizes the potential hazards and follows reasonable safety practices. The manufacturer has designed this implement to be used with all its safety equipment properly attached to minimize the chance of accidents.

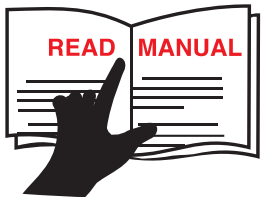
BEFORE YOU START!! Read the safety messages on the implement and shown in your manual.
Observe the rules of safety and common sense!



DANGER

FAILING TO FOLLOW SAFETY MESSAGES AND OPERATING INSTRUCTIONS CAN CAUSE SERIOUS BODILY INJURY OR EVEN DEATH TO OPERATOR AND OTHERS IN THE AREA.

1.



2. **NO RIDERS.
NO CHILDREN OPERATORS.**



3. **USE SAFETY SHOES,
HARD HAT, SAFETY
GLASSES, SEAT
BELTS, & ROPS.**

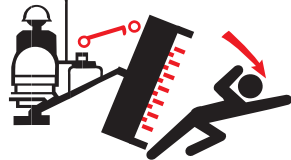


4. **BLOCK UP SECURELY
BEFORE WORKING
UNDER.**

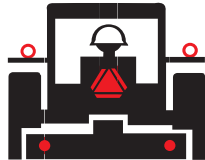


1. Study and understand Operator's Manuals, Safety Signs, and Instructional Decals for tractor & flail mower to prevent misuse, abuse, & accidents. Practice before operating mower in a confined area or near passersby.
 - Learn how to stop engine suddenly in an emergency. Be alert for passersby and especially children.
2. Allow no children on or near implement or tractor. Allow no riders on tractor or implement. Falling off can cause serious injury or death from being run over by tractor or mower or contact with Flail Mower Blades.
3. Operate only with tractor having Roll-Over Protective Structure (ROPS) and with seatbelt fastened securely and snugly to prevent injury and possible death from falling off or tractor overturn. Personal Protective Equipment such as Hard Hat, Safety Glasses, Safety Shoes, and Ear Plugs are recommended.
4. Block up or support raised machine and all lifted components securely before putting hands or feet under or working underneath any lifted component to prevent crushing injury or death from sudden dropping or inadvertent operation of controls. Make certain that area is clear before lowering or folding.
5. Before transporting, put Lift Lever in detent or full-lift position. Install Transport Safety Devices securely on folding implements. Slow down when turning and on hillsides.
 - Install Restrictor in folding circuit to slow down lowering and unfolding if action is faster than is desirable.
6. Make certain that SMV sign, Warning Lights, and Reflectors are clearly visible. Follow local traffic codes.
7. Never operate with Flail Mower or Folding Section raised if passersby, bystanders or traffic are in the area to reduce possibility of injury or death from objects thrown by Blades under Shields or implement structure.
8. Before dismounting, secure flail mower in transport position or lower to ground.
 - Put tractor in park or set brake, disengage PTO, stop engine, remove key, and wait until noise of rotation has ceased to prevent entanglement in rotating parts which may cause injury or death.
 - Never mount or dismount a moving vehicle. Crushing from run over may cause injury or death.

5. **TRANSPORT SAFELY,
LOCK UP.**



6. **USE SMV, LIGHTS, &
REFLECTORS.**



7. **DO NOT OPERATE
WITH MOWER OR
WING RAISED.**



8. **DO NOT MOUNT OR
DISMOUNT WHILE
MOVING.**



002369

WARRANTY INFORMATION:

Read and understand the complete Warranty Statement found in this Manual. Fill out the Warranty Registration Form in full and return it within 30 Days. Make certain the Serial Number of the Machine is recorded on the Warranty Card and on the Warranty Form that you retain. The use of "will-fit" parts will void your warranty and can cause catastrophic failure with possible injury or death.

PARTS SECTION

PARTS ORDERING GUIDE

The following instructions are offered to help eliminate needless delay and error in processing purchase orders for the equipment in this section.

1. The Parts Section is prepared in logical sequence and grouping of parts that belong to the basic machine featured in this manual. Part Numbers and Descriptions are given to help locate the parts and quantities required.
2. The Purchase Order must include the name and address of the person or organization ordering the parts, who should be charged, and if possible, the serial number of the machine for which the parts are ordered.
3. The Purchase Order must clearly list the quantity of each part, the complete and correct part number (be sure to include all periods), and the basic name of the part.
4. The Manufacturer reserves the right to substitute parts where applicable.
5. Some parts are unlisted items which are special production items not normally stocked and are subject to special handling. Request a quotation for such parts before sending a Purchase Order.
6. The Manufacturer reserves the right to change prices without prior notice.

NOTE: Please refer to The Safety Section in the front of this Manual for the proper Part Number when ordering Replacement Safety Decals.



For maximum safety and to guarantee optimum product reliability, always use genuine Servis-Rhino Parts. The use of inferior replacement parts may cause premature or catastrophic failure which could result in serious injury or death. Direct any questions regarding parts to:



RHINO®
1020 S. Sangamon Ave.
Gibson City, IL 60936
800-446-5158
Email: parts@servis-rhino.com

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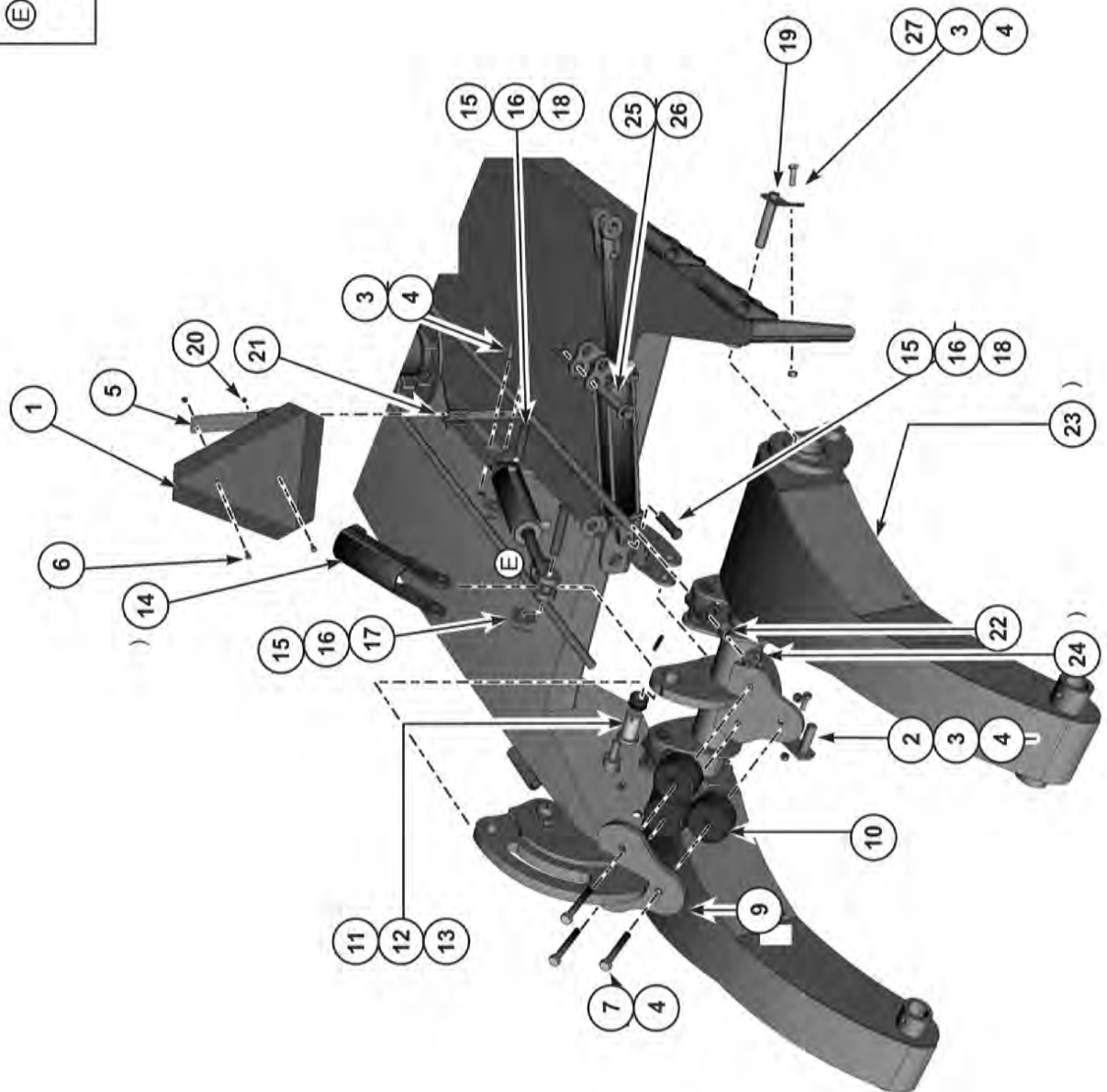
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AXLE ASSEMBLY - CENTER

NOTE: For cylinder information refer to the **CYLINDERS** parts section 8 of this manual.

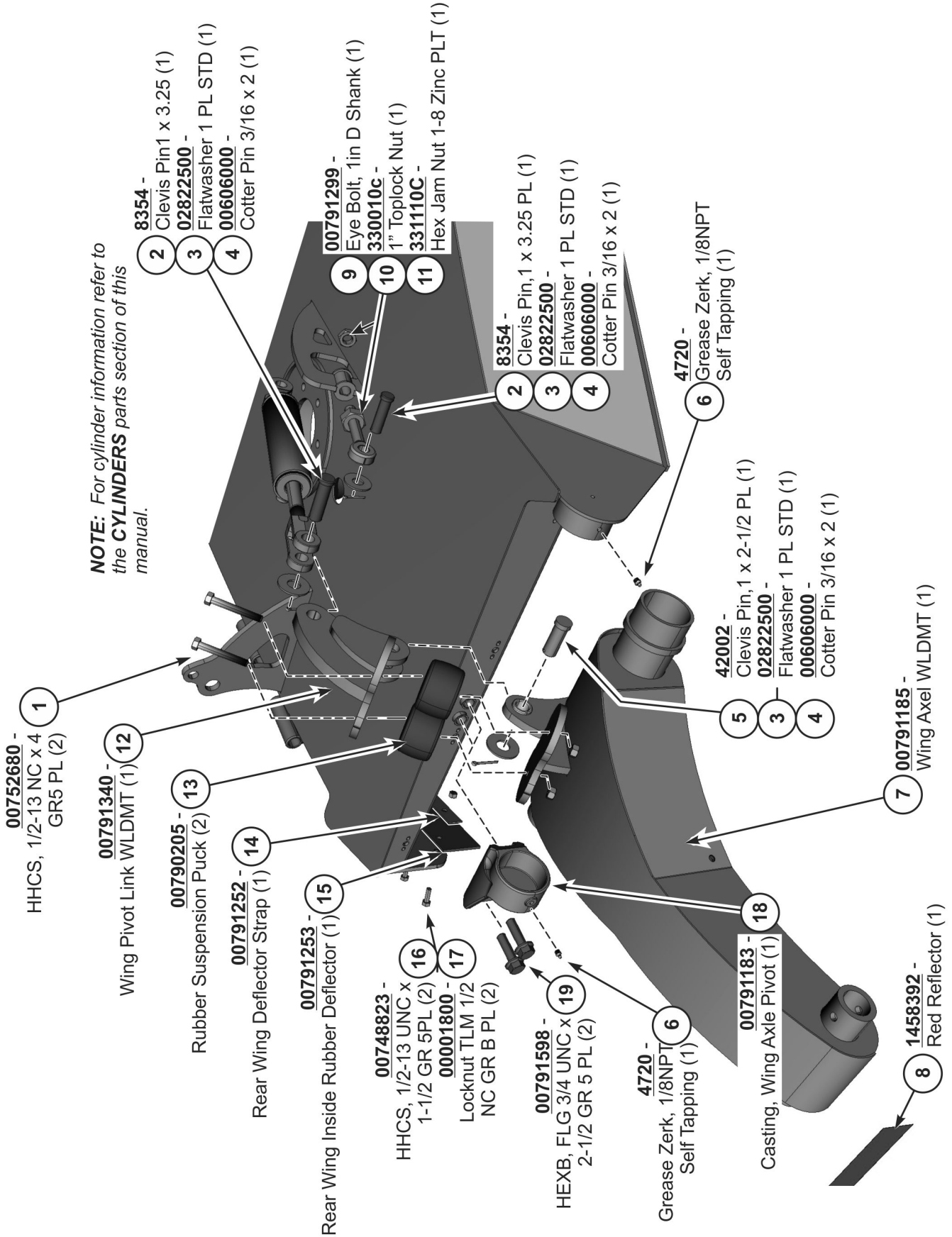
(E) - See Cylinder Assembly Section for spacer control kit, #00791391 & breakdown.



AXLE ASSEMBLY - CENTER

ITEM	PART NO.	QTY.	DESCRIPTION
1	03200347	1	SMV EMBLEM
2	00791227	1	CENTER AXLE SHORT PIN
3	00748823	1	HHCS 1/2-13 UNC X1-1/2 GR5 PL
4	00001800	4	LOCKNUT TLM 1/2 NC GR B PL
5	2438621	1	SMV MOUNTING SPADE BRACKET
6	32901C	2	HEX LOCKNUT 1/4-20 2WAY ZINC
7	00752680	3	HHCS, 1/2-13NC X 4 GR5 PL
9	00791281	1	PUCK SUSPENSION LINK WLDMT
10	00790203	3	RUBBER PUCK SUSPENSION
11	02982249	1	CONNEX BUSHING 1-3/4X1-1/2X1
12	00791387	1	PLATED AXLE TOGGLE PIN
13	42108	1	ROLL PIN 3/8X2-1/4
14	00791366	1	8IN. CYLINDER LOCK CASTING
15	00606000	3	COTTER PIN 3/16X2
16	02822500	1	FLATWASHER 1 PL STD
17	420011	1	CLEVIS PIN 1X5 PL
18	83541	2	CLEVIS PIN, 1 X 3.25
19	45051	1	GREASE ZERK, 1/4-28 SELF TAPPING
20	000241400	2	HHCS 1/4 NC 3/4 PL5
21	00791296	1	SMV STRAIGHT MOUNT WLDMT
22	330010C	2	1" TOPLOCK NUT
23	00791170	1	CENTER AXLE
24	331110C	2	HEX JAM NUT, 1-8 ZINC PLT
25	51967	2	HITCH PIN 1 DIA. CLEAR ZINC PLATED
26	44756-1	2	LYNCH PIN, 3/16 X 1-1/4 YDP
27	00791224	1	CENTER AXLE LONG PIN

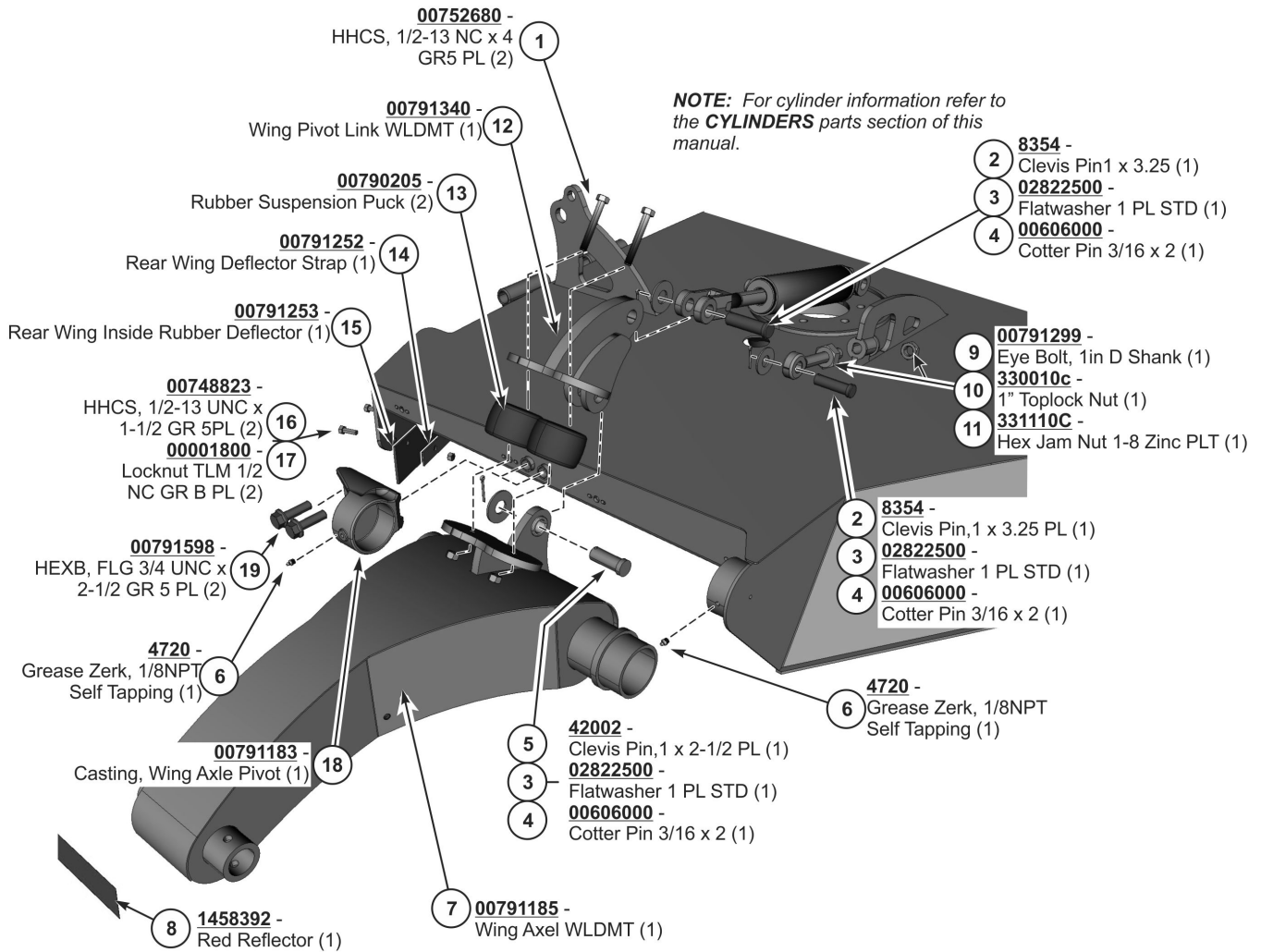
AXLE ASSEMBLY - WING



AXLE ASSEMBLY - WING

ITEM	PART NO.	QTY.	DESCRIPTION
1	00752680	2	HHCS, 1/2-13 NC X 4 GR5 PL
2	8354	1	CLEVIS PIN1 X 3.25 PL
3	02822500	1	FLATWASHER 1 PL STD
4	00606000	1	COTTER PIN 3/16 X 2
5	42002	1	CLEVIS PIN,1 X 2-1/2 PL
6	4720	2	GREASE ZERK, 1/8NPT SELF TAPPING
7	00791185	1	WING AXEL WLDMT
8	1458392	1	RED REFLECTOR
9	00791299	1	EYE BOLT, 1IN D SHANK
10	330010C	1	1" TOPLOCK NUT
11	331110C	1	HEX JAM NUT 1-8 ZINC PLT
12	00791340	1	WING PIVOT LINK WLDMT
13	00790205	2	RUBBER SUSPENSION PUCK
14	007912532	1	REAR WING DEFLECTOR STRAP
15	00791253	1	REAR WING INSIDE RUBBER DEFLECTOR
16	00748823	2	HHCS, 1/2-13 UNC X 1-1/2 GR 5PL
17	00001800	2	LOCKNUT TLM 1/2 NC GR B PL
18	00791183	1	CASTING, WING AXLE PIVOT
19	00791598	1	HEXB, FLG 3/4 UNC X 2-1/2 GR 5 PL

AXLE ASSEMBLY - WING

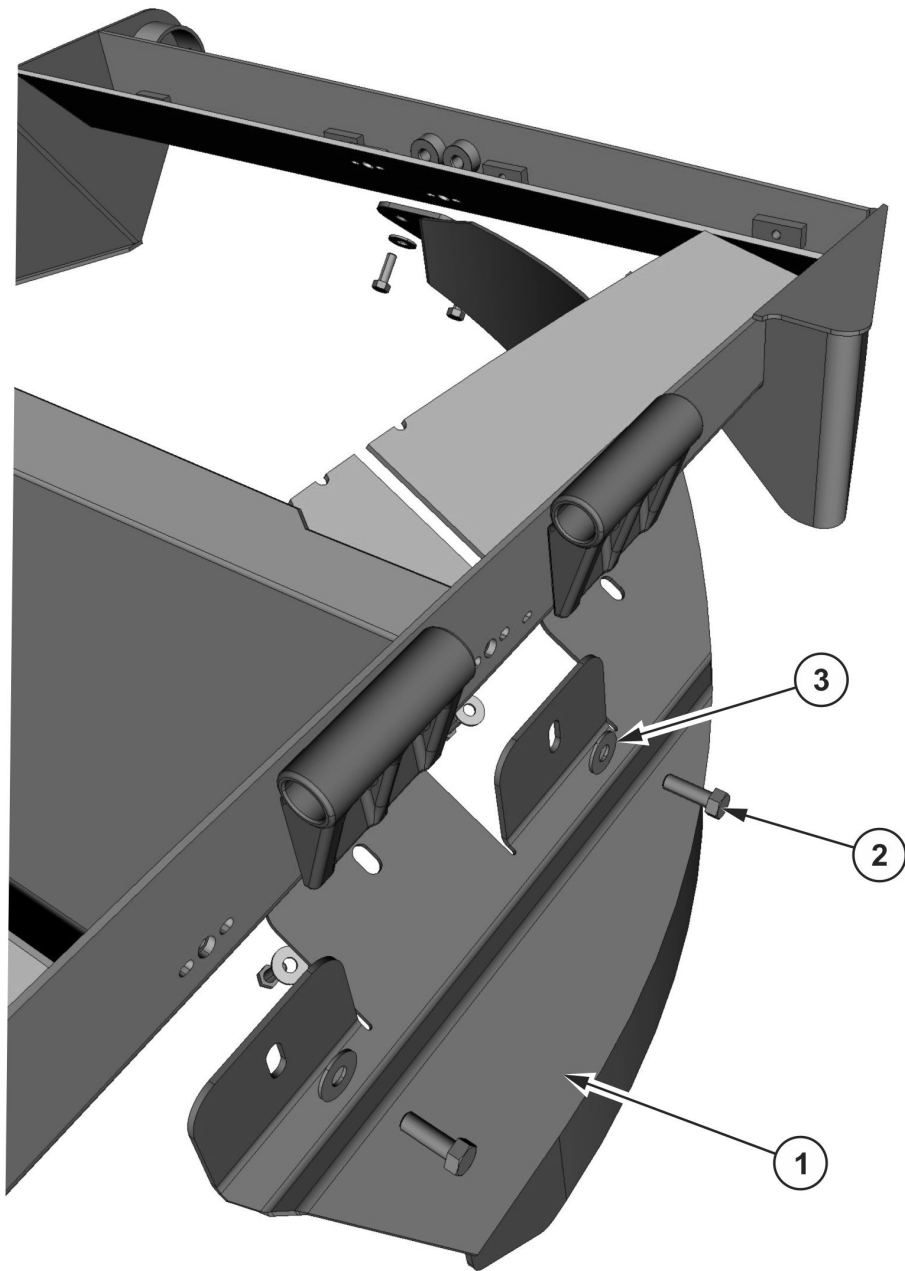


AXLE ASSEMBLY - WING

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	00752680	2	HHCS, 1/2-13 NC X 4 GR5 PL
2	8354	1	CLEVIS PIN1 X 3.25 PL
3	02822500	1	FLATWASHER 1 PL STD
4	00606000	1	COTTER PIN 3/16 X 2
5	42002	1	CLEVIS PIN,1 X 2-1/2 PL
6	4720	2	GREASE ZERK, 1/8NPT SELF TAPPING
7	00791185	1	WING AXEL WLDMT
8	1458392	1	RED REFLECTOR
9	00791299	1	EYE BOLT, 1IN D SHANK
10	330010C	1	1" TOPLOCK NUT
11	331110C	1	HEX JAM NUT 1-8 ZINC PLT
12	00791340	1	WING PIVOT LINK WLDMT
13	00790205	2	RUBBER SUSPENSION PUCK
14	007912532	1	REAR WING DEFLECTOR STRAP
15	00791253	1	REAR WING INSIDE RUBBER DEFLECTOR
16	00748823	2	HHCS, 1/2-13 UNC X 1-1/2 GR 5PL
17	00001800	2	LOCKNUT TLM 1/2 NC GR B PL
18	00791183	1	CASTING, WING AXLE PIVOT
19	00791598	1	HEXB, FLG 3/4 UNC X 2-1/2 GR 5 PL

BAFFLE ASSEMBLY - BOLT-IN

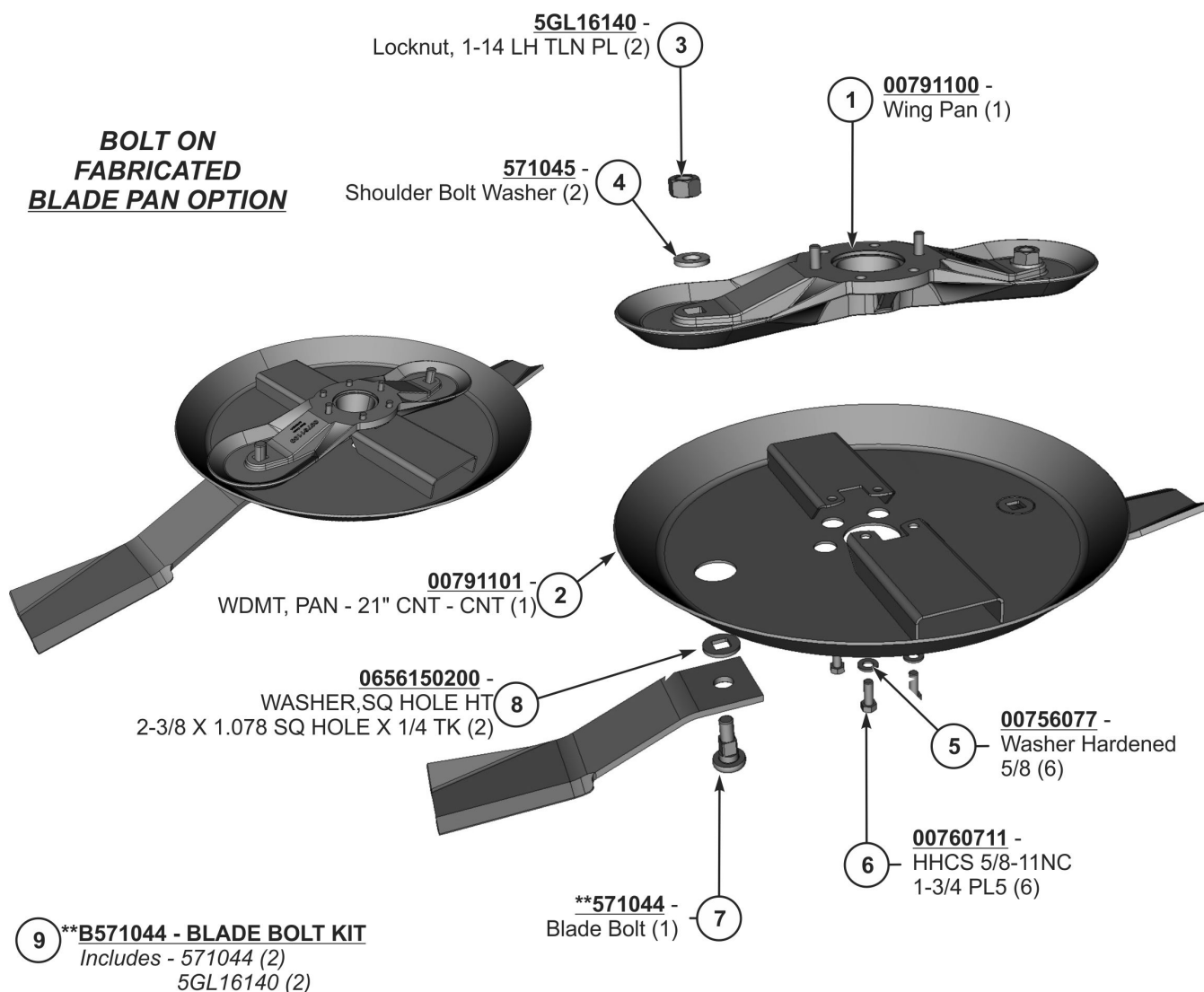


BAFFLE ASSEMBLY - BOLT-IN

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	00791702	1	BOLT-IN BAFFLE WLDMT - RH
	00791703	1	BOLT-IN BAFFLE WLDMT - LH
2	00748823	6	HHCS 1/2-13 UNC X 1-1/2 GR5 PL
3	00002700	6	FLATWASHER 1/2 PL STD

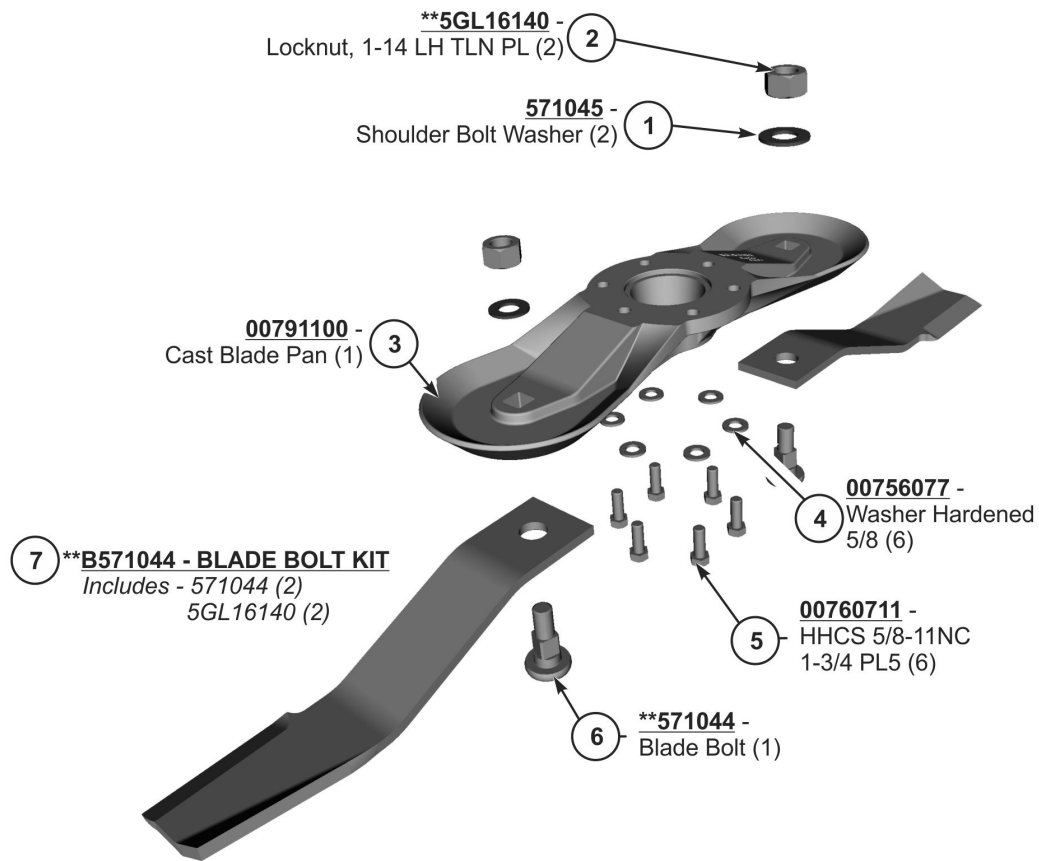
BLADE PAN ASSEMBLY - BOLT ON PAN (OPTIONAL)



ITEM	PART NO.	QTY.	DESCRIPTION
1		1	
	00791100	1	PAN,WING - 21" CNT - CNT
2	00791101	1	WLDMT, PAN 21" CNTR-CNTR
3	5GL16140	2	LOCKNUT, 1-14 LH TLN PL
4	571045	2	SHOULDER BOLT WASHER
5	00756077	6	HARDENED WASHER 5/8
6	00760711	6	HHCS, 5/8-11NC 1-3/4 PL5
7	571044	2	BLADE BOLT
8	0656150200	2	SQ HOLE HT WASHER
9	B571044	1	BLADE BOLT KIT

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BLADES & BLADE PAN ASSEMBLY



15' Unit LW Blades

- 9 **4150 & 4155**
- Blades, 00759338P CW Fan (2)

4155 - Use 4" Blades Only

15' Unit Center Blades

- 10 **4150 & 4155**
- Blades, 0582010330P CCW Fan (2)

4105 & 4155 - Use 4" Blades Only

10' & 15' Unit RW Blades

- 11 **4105, 4150 & 4155**
- Blades, 00759339P CCW Updraft (2)

4105 & 4155 - Use 4" Blades Only

10' Unit Center Blades

- 8 **4105**
- Blades, 0582010332P CW FAN

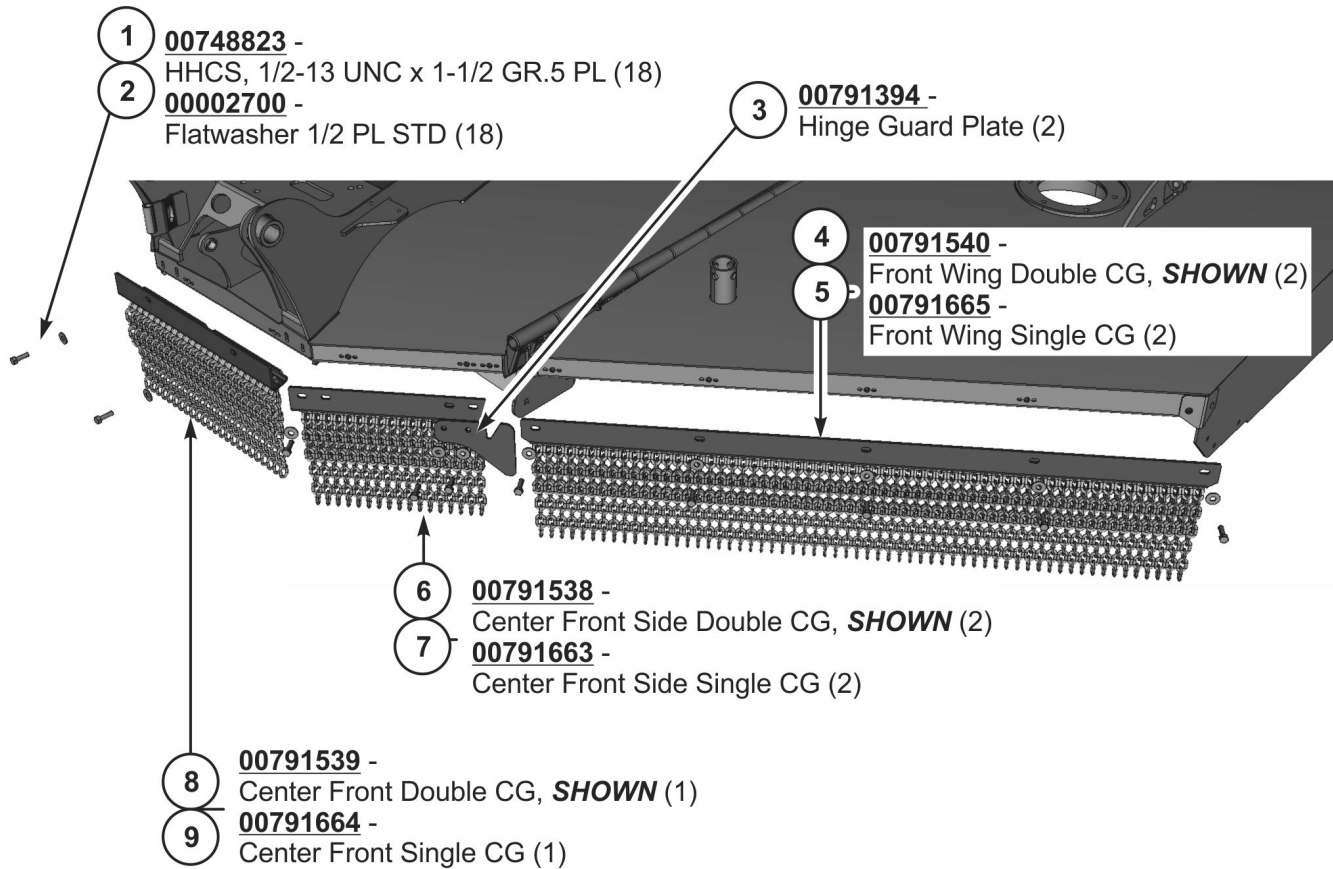
**NOTE: ALL UNITS SHIPPED AFTER MAY 1, 2015
WILL BE USING BLADES ENDING WITH "P"
IN THE PART NUMBER**

BLADES & BLADE PAN ASSEMBLY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	571045	2	SHOULDER BOLT WASHER
2	5GL16140	2	LOCKNUT, 1-14 LH TLN PL
3	00791100	1	PAN,WING - 21" CNT - CNT
4	00756077	6	WASHER HARDENED 5/8
5	00760711	6	HHCS 5/8-11NC 1-3/4 PL5
6	571044	1	BLADE BOLT
7	B571044	1	BLADE BOLT KIT BLADES,
8	0582010332P	2	FAN CW BLADES, CW FAN
9	00759338P	2	BLADES, CCW FAN
10	0582010330P	2	BLADES, CCW UPDRAFT
11	00759339P	2	

CHAINGUARD ASSEMBLY - FRONT

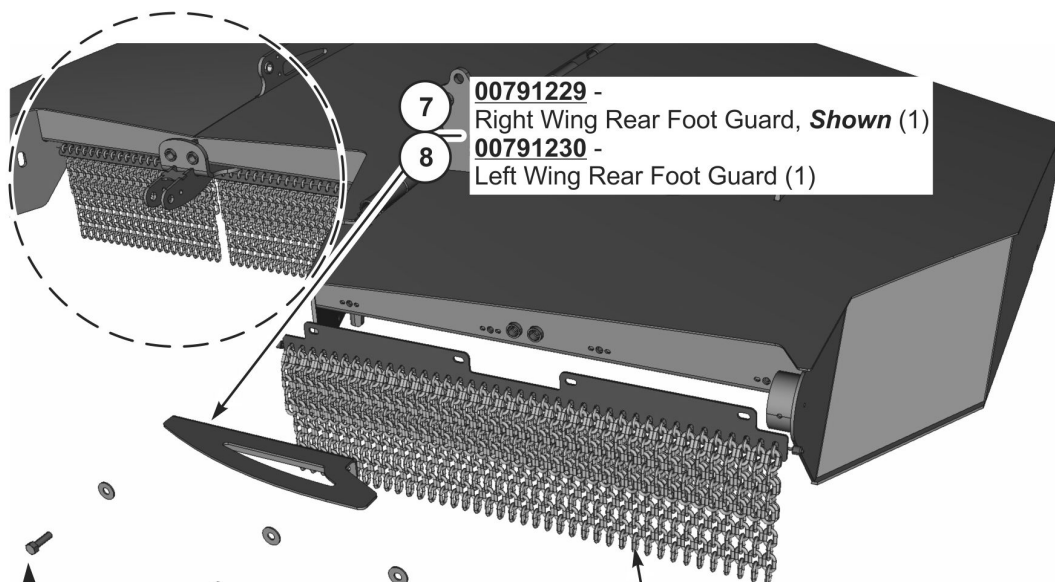


ITEM	PART NO.	QTY.	DESCRIPTION
1	00748823	18	HHCS, 1/2-13 UNC X 1-1/2 GR.5 PL
2	00002700	18	FLATWASHER 1/2 PL STD
3	00791394	2	HINGE GUARD PLATE
4	00791540	2	FRONT WING DOUBLE CG, SHOWN
5	00791665	2	FRONT WING SINGLE CG
6	00791538	2	CENTER FRONT SIDE DOUBLE CG, SHOWN
7	00791663	2	CENTER FRONT SIDE SINGLE CG
8	00791539	1	CENTER FRONT DOUBLE CG, SHOWN
9	00791664	1	CENTER FRONT SINGLE CG

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CHAINGUARD ASSEMBLY - REAR

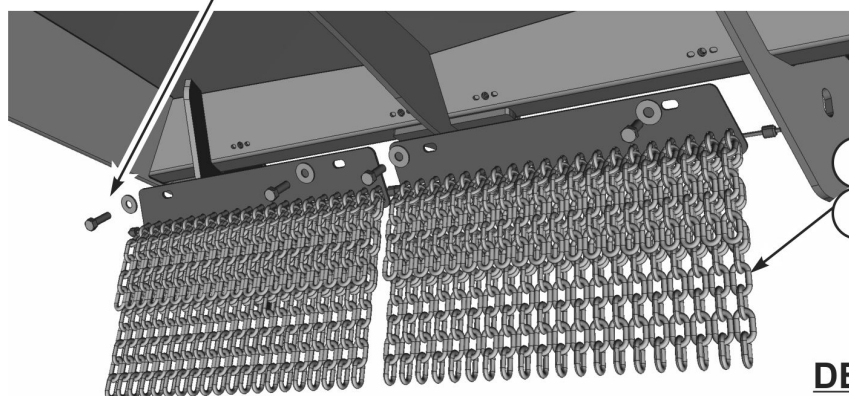
DETAIL "A"



- 7 00791229 - Right Wing Rear Foot Guard, **Shown** (1)
- 8 00791230 - Left Wing Rear Foot Guard (1)

- 5 00791543 - Rear Wing Double CG, **SHOWN** (2)
- 6 00791250 - Rear Wing Single CG (2)

- 1 00748823 - HHCS, 1/2-13 UNC x 1-1/2 GR.5 PL (12)
- 2 00002700 - Flatwasher 1/2 PL STD (12)



- 3 00791541 - Left Rear Double CG, **SHOWN** (1)
- 4 00791247 - Left Rear Single CG (1)

DETAIL "A"

- 9 00791542 - Right Rear Double CG, **SHOWN** (1)
- 10 00791248 - Right Rear Single CG (1)

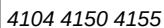
CHAINGUARD ASSEMBLY - REAR

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	00748823	12	HHCS, 1/2-13 UNC X 1-1/2 GR.5 PL
2	00002700	12	FLATWASHER 1/2 PL STD
3	00791541	1	LEFT REAR DOUBLE CG, SHOWN
4	00791247	1	LEFT REAR SINGLE CG
5	00791543	2	REAR WING DOUBLE CG, SHOWN
6	00791250	2	REAR WING SINGLE CG
7	00791229	1	RIGHT WING REAR FOOT GUARD, SHOWN
8	00791230	1	LEFT WING REAR FOOT GUARD
9	00791542	1	RIGHT REAR DOUBLE CG, SHOWN
10	00791248	1	RIGHT REAR SINGLE CG

CYLINDER ASSEMBLY - S/N 31,052 - BELOW
--

- *5 Spacer Control Kit - 00755234 (not shown)**
 - Includes: 2 = 1" Segments
 1 = 1-1/2" Segment
 1 = 1-1/4" Segment
 1 = 1-3/4" Segment



CYLINDER ASSEMBLY - S/N 31,052 - BELOW**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
1	00791260	1	CENTER AXLE MASTER CYL. 3 X 8
1a	1917140	1	CLEVIS ROD 1-1/4-12 THREAD
1b	00791629	1	SEAL KIT - CENTER CYLINDER
2	00791261	1	WING AXLE RH SLAVE CYL. 2-3/4 X 8
2a	3047119	1	CLEVIS ROD - 1.25 - 1.00
2b	00791630	1	SEAL KIT - RH WING CYLINDER
3	00791262	1	WING AXLE LH SLAVE CYL. 2-1/2 X 8
3a	00791631	1	SEAL KIT - LH WING CYLINDER
4	00791391	2	WING LIFT HYD. CYL. 3 X 14 W/TS LOCK
4a	00774761	1	SEAL KIT - WING LIFT CYLINDERS
5	00755234	1	SPACER CONTROL KIT -(NOT SHOWN)
6	00791366	1	8" CYLINDER LOCK CASTING
7	8354	1	CLEVIS PIN 1 X 3.25
8	02822500	2	FLATWASHER 1 PL STD
9	00606000	2	COTTER PIN 3/16 X 2
10	420011	2	CLEVIS PIN 1 X 5
11	51967	2	HITCH PIN, 1" DIA. CLEAR ZINC PL
12	44756-1	2	LYNCH PIN 5/32 X 1-5/8 YDP

CYLINDER ASSEMBLY - S/N 31,053 - CURRENT

1 Center Axle - 00791260 - Master Cyl. 3 x 8 (1)

1a - 1917140, Clevis Rod 1-1/4-12 Thread (1)

1b - 00791629, Seal Kit (1)

3 Wing Axle LH - 00791262 - Slave Cyl. 2-1/2 x 8 (1)

2a - 3047119, Clevis Rod - 1.25 - 1.00(1)

3a - 00791631, Seal Kit (1)

2 Wing Axle RH - 00791261 - Slave Cyl. 2-3/4 x 8 (1)

2a - 3047119, Clevis Rod - 1.25 - 1.00 (1)

2b - 00791630, Seal Kit (1)

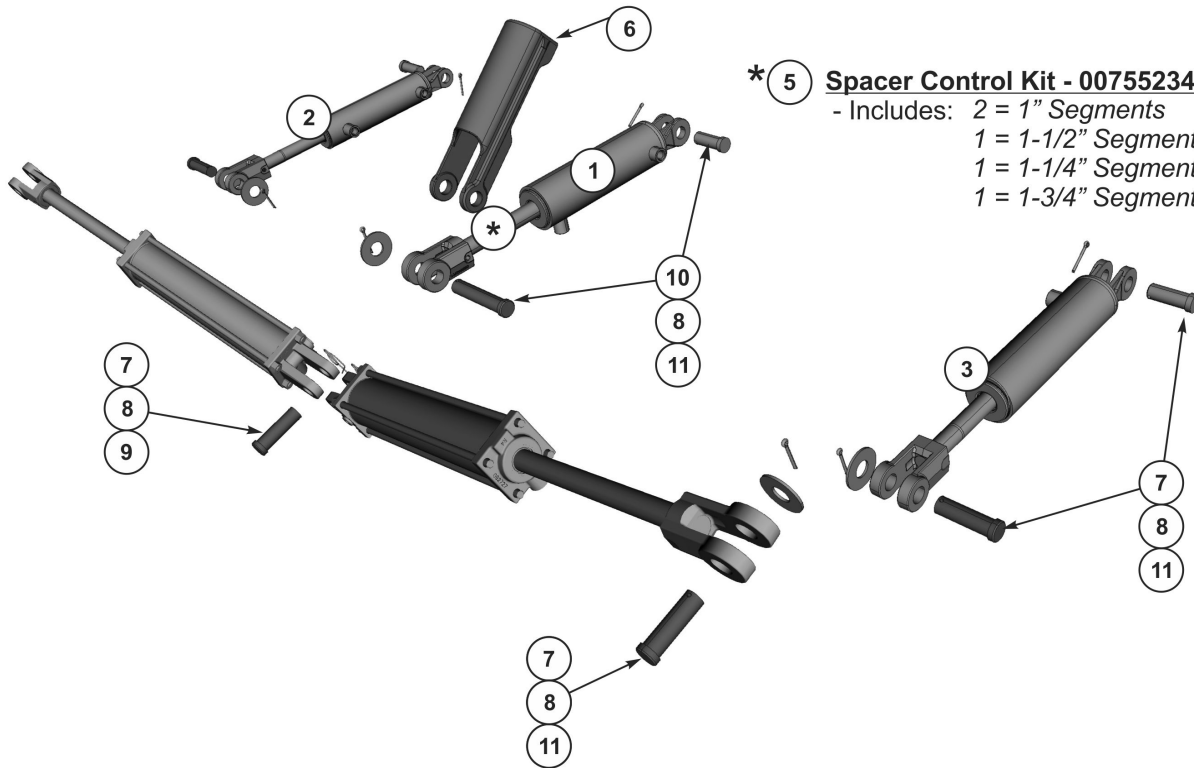
4 Wing Lift - 00759947A - Hyd. Cyl. 3 x 14 (2)

1a - 1917140, Clevis Rod - 1-1/4 - 12 Thread (1)

4a - 00774761, Seal Kit (1)

*** 5 Spacer Control Kit - 00755234 (not shown)**

- Includes: 2 = 1" Segments
1 = 1-1/2" Segment
1 = 1-1/4" Segment
1 = 1-3/4" Segment

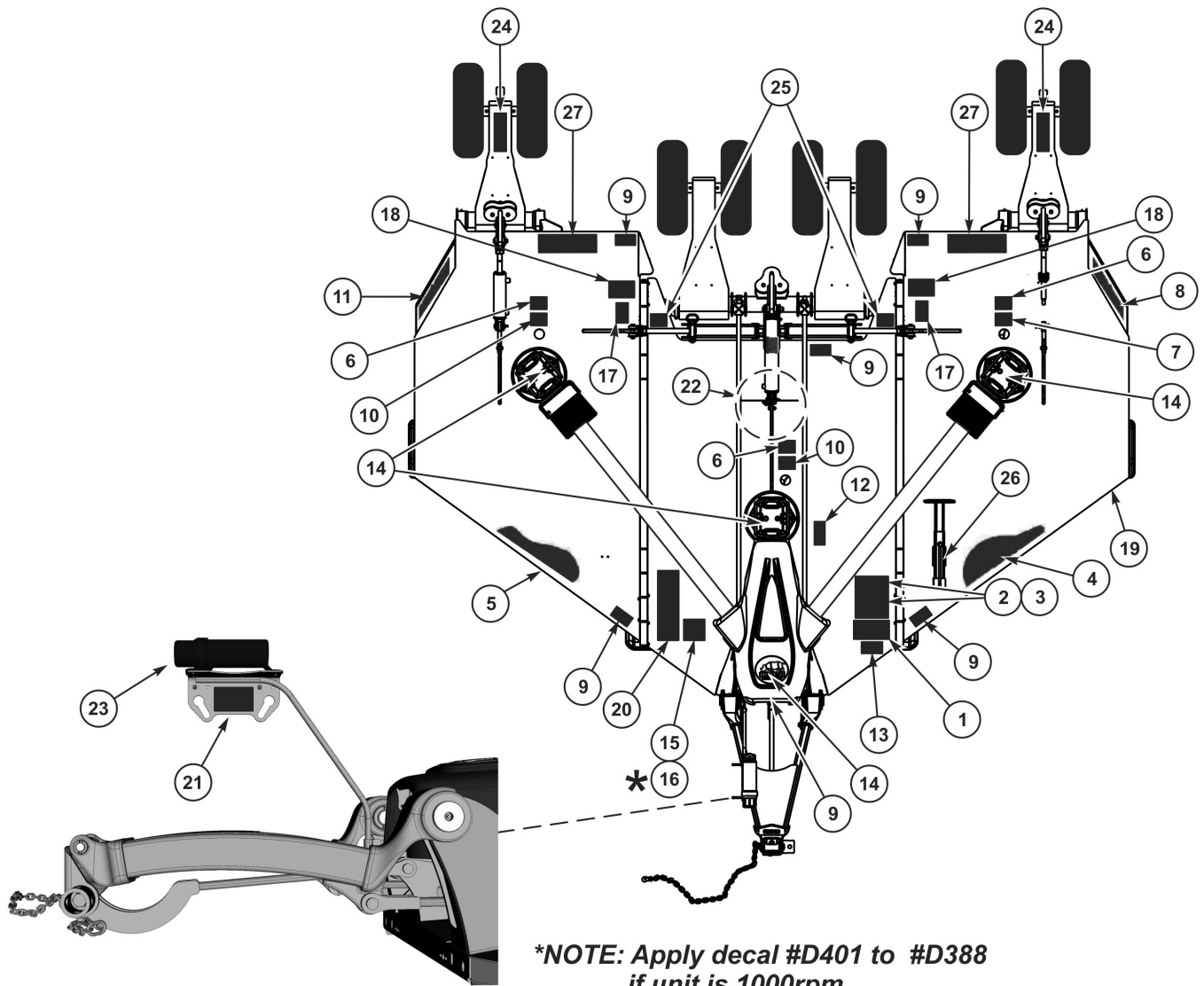


ITEM	PART NO.	QTY.	DESCRIPTION
1	00791260	1	CENTER AXLE MASTER CYL. 3 X 8
1a	1917140	1	CLEVIS ROD 1-1/4-12 THREAD
1b	00791629	1	SEAL KIT - CENTER CYLINDER
2	00791261	1	WING AXLE RH SLAVE CYL. 2-3/4 X 8
2a	3047119	1	CLEVIS ROD - 1.25 - 1.00
2b	00791630	1	SEAL KIT - RH WING CYLINDER
3	00791262	1	WING AXLE LH SLAVE CYL. 2-1/2 X 8
3a	00791631	1	SEAL KIT - LH WING CYLINDER
4	00791391	2	WING LIFT HYD. CYL. 3 X 14 W/TS LOCK
4a	00774761	1	SEAL KIT - WING LIFT CYLINDERS
5	00755234	1	SPACER CONTROL KIT -(NOT SHOWN)
6	00791366	1	8" CYLINDER LOCK CASTING
7	8354	1	CLEVIS PIN 1 X 3.25
8	02822500	2	FLATWASHER 1 PL STD
9	00791640	2	RUE RING
10	420011	2	CLEVIS PIN 1 X 5

4104 4150 4155

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DECAL LOCATION

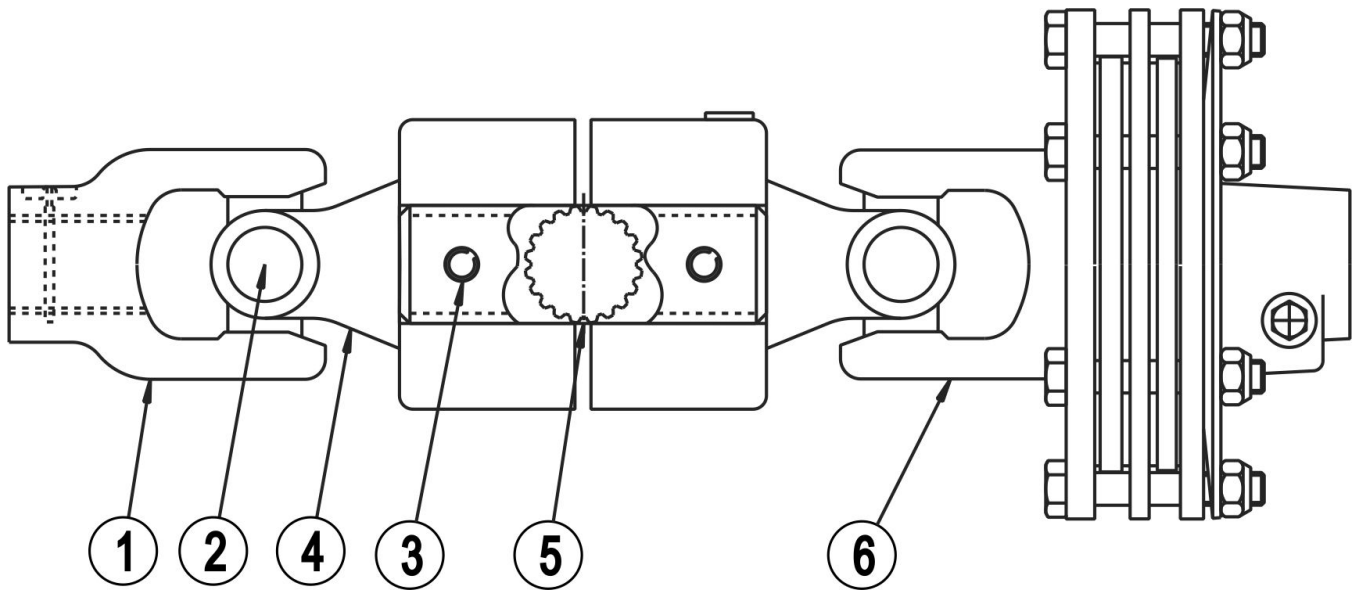


ITEM	PART NO.	QTY.	DESCRIPTION
1	D875	1	LUBRICATION CHART
2	D814	1	MULTI-LANGUAGE
3	D389	1	MULTI-HAZARD
4	00791613	1	RHINO EPIC LOGO (LEFT SIDE)
5	00791612	1	RHINO EPIC LOGO (RIGHT SIDE)
6	D534	3	BLADE BOLT TORQUE
7	D138	1	BLADE ROTATION-CCW
8	00791413	1	MODEL NAME, 4150 (LEFT SIDE)
	00791417	1	MODEL NAME, 4155 (LEFT SIDE)
	00791415	1	MODEL NAME, 4105 (LEFT SIDE)
9	D614	7	DECAL,DANGER-DO NOT OPERATE
10	D137	2	BLADE ROTATION-CW

DECAL LOCATION

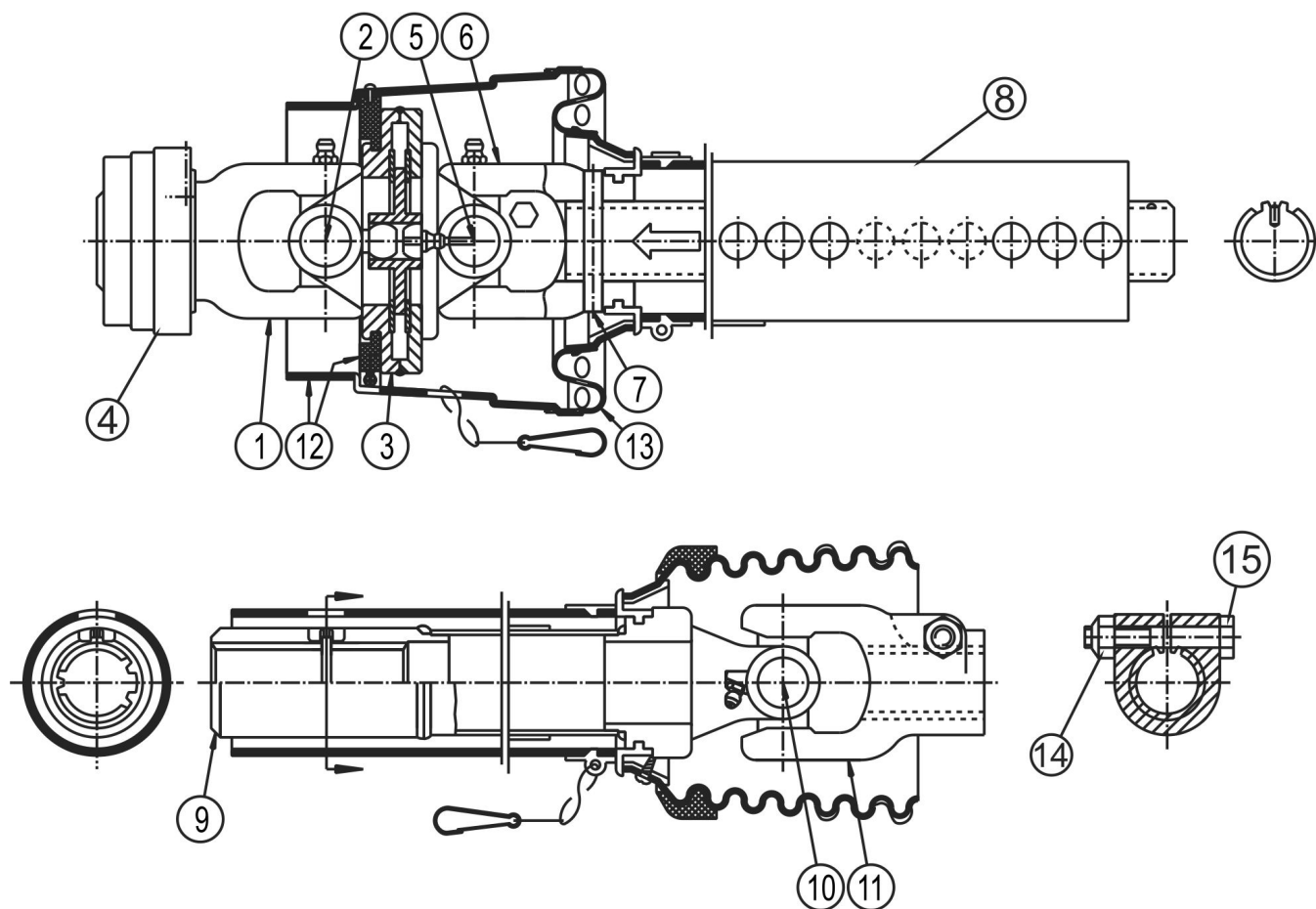
Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
11	00791412	1	MODEL NAME, 4150 (RIGHT SIDE)
	00791416	1	MODEL NAME, 4155 (RIGHT SIDE)
	00791414	1	MODEL NAME, 4105 (RIGHT SIDE)
12	00786507	1	6-YEAR GEARBOX WARRANTY
13	00760657	1	GENUINE RHINO PARTS
14	00756004	4	SHIELD MISSING
15	D388	1	DRIVELINE HAZARD
16	D401	1	1000 RPM
17	D519	2	CRUSHING HAZARD - FALLING
18	00753840	2	WING LOWERING SAFETY
19	1458393	1	YELLOW REFLECTOR
20	D390	1	MULTI-HAZARD/PULL TYPE UNIT HAZARD
21	00791626	1	HYD HOSE COLOR CODE
22	03200347	1	SMV SIGN
23	00776031	1	CANISTER (OPS MANUAL 00791627C INSIDE)
24	1458392	2	RED REFLECTOR
25	00791639	2	8HR. GREASE AXLE FITTING DECAL
26	00791609	2	DECAL,SMALL MODEL - 4155
	00791607	2	DECAL,SMALL MODEL - 4150
	00791608	1	DECAL,SMALL MODEL - 4105
27	D422	1	SHEET,FLEX SGL WG SAFETY DECAL - 4105
28	D420	1	SHEET,FLEX WING SAFETY DECAL - 4150/4155
29	00791400	1	SHEET,DECAL LOGO - 4105
30	00791399	1	SHEET,DECAL LOGO - 4150
31	00791401	1	SHEET,DECAL LOGO - 4155



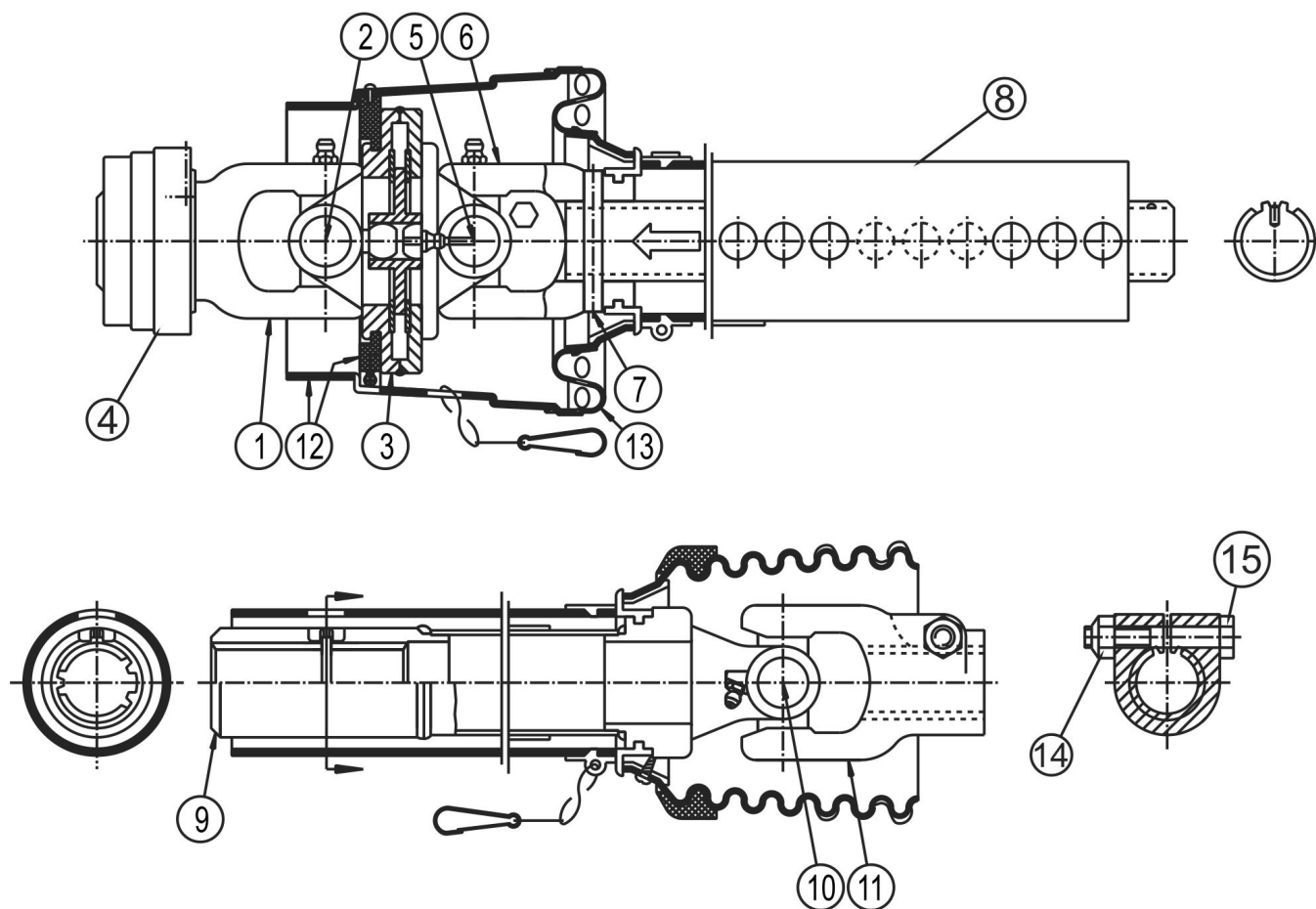
ITEM	PART NO.	QTY.	DESCRIPTION
1	00786371	1	YOKE 1 3/4"-20 SPL.
2	00791616	2	CROSS & BEARING KIT
3	8384	2	SPRING PIN, 10 X 90
4	00788976	2	INBOARD YOKE
5	00788977	1	INNER PROFILE-40X36-20H
6	00786348	1	FRICTION CLUTCH

DRIVELINE 4105/4155 - MAIN CV 1000RPM 1 3/4-20 SPLINE 00791583



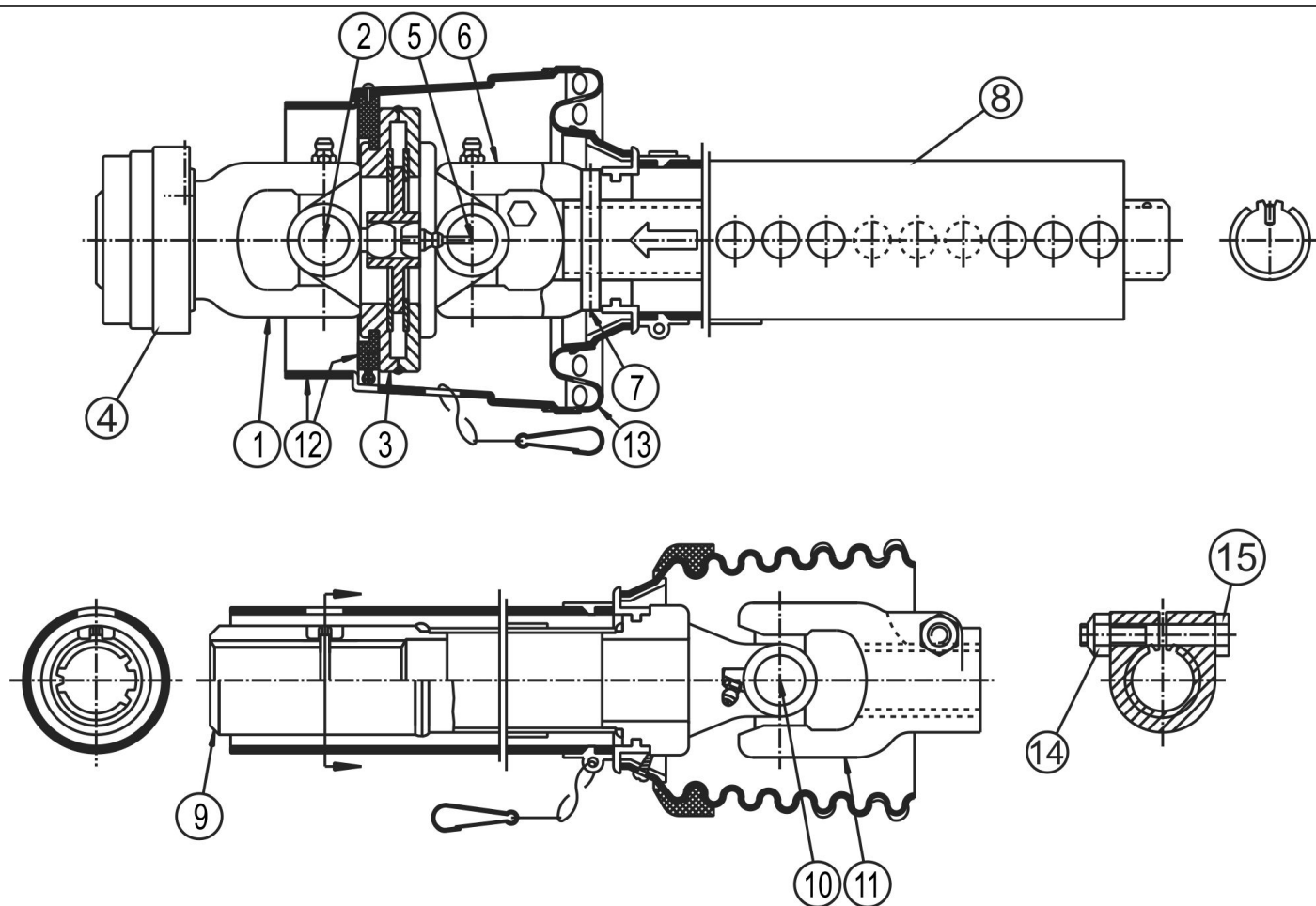
ITEM	PART NO.	QTY.	DESCRIPTION
1	00791625	1	YOKE 1-3/4 20 SPL QS
2	00791620	1	CROSS & BEARING KIT (FRONT CV)
3	00791621	1	DOUBLE YOKE
4	00786079	1	SLIDE COLLAR KIT
5	00791622	1	CROSS & BEARING KIT (REAR CV)
6	00791623	1	INBOARD YOKE 1 11/16-20
7	703624W	1	SPRING PIN, 10X75
8	00756005	1	DECAL, ROTATING DRIVELINE
9	00756004	1	DECAL,DANGER - GUARD MISSING
10	00791616	1	CROSS & BEARING KIT
11	00786369	1	YOKE
12	00791618	1	CV GUARD & BEARING ASSY.
13	00791617	1	KIT, DRIVELINE SHIELD - COMPLETE
14	00765962	1	NUT MET TLE 16MM-P2.0 PL
15	00765902	1	HHCS M16-P2.0 X 90MM PL8

DRIVELINE 4105/4155 - MAIN CV 1000RPM 1 3/8-21 SPLINE 00791582

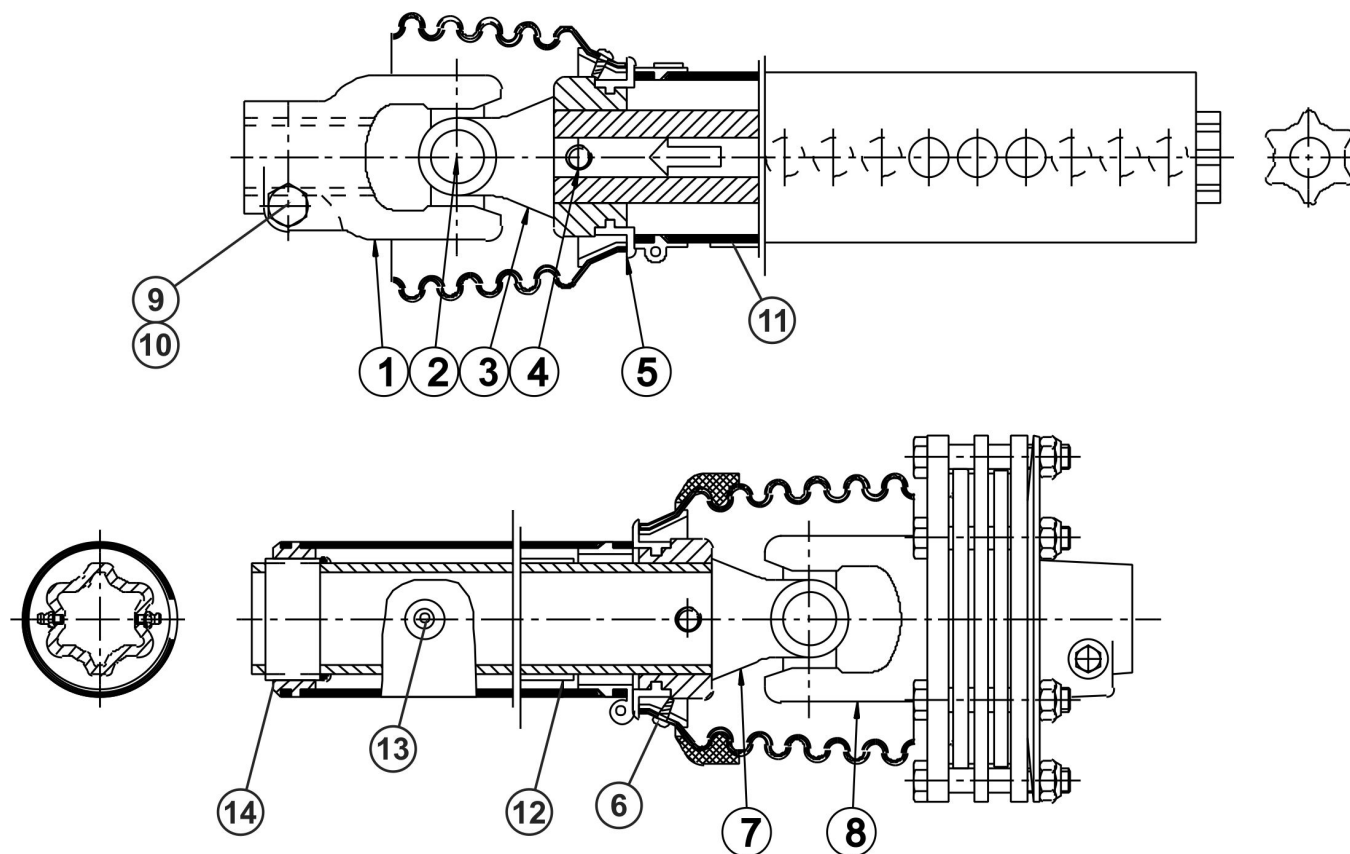


ITEM	PART NO.	QTY.	DESCRIPTION
1	00791624	1	YOKE 1-3/8 21 SPL QS
2	00791620	1	CROSS & BEARING KIT (FRONT CV)
3	00791621	1	DOUBLE YOKE
4	00779126	1	SLIDE COLLAR KIT
5	00791622	1	CROSS & BEARING KIT (REAR CV)
6	00791623	1	INBOARD YOKE 1 11/16-20
7	703624W	1	SPRING PIN, 10X75
8	00756005	1	DECAL, ROTATING DRIVELINE
9	00756004	1	DECAL,DANGER - GUARD MISSING
10	00791616	1	CROSS & BEARING KIT
11	00786369	1	YOKE
12	00791618	1	CV GUARD & BEARING ASSY.
13	00791617	1	KIT, DRIVELINE SHIELD - COMPLETE
14	00765962	1	NUT MET TLE 16MM-P2.0 PL
15	00765902	1	HHCS M16-P2.0 X 90MM PL8

DRIVELINE 4105/4155 - MAIN CV 540RPM 1 3/8-6 SPLINE 00791581

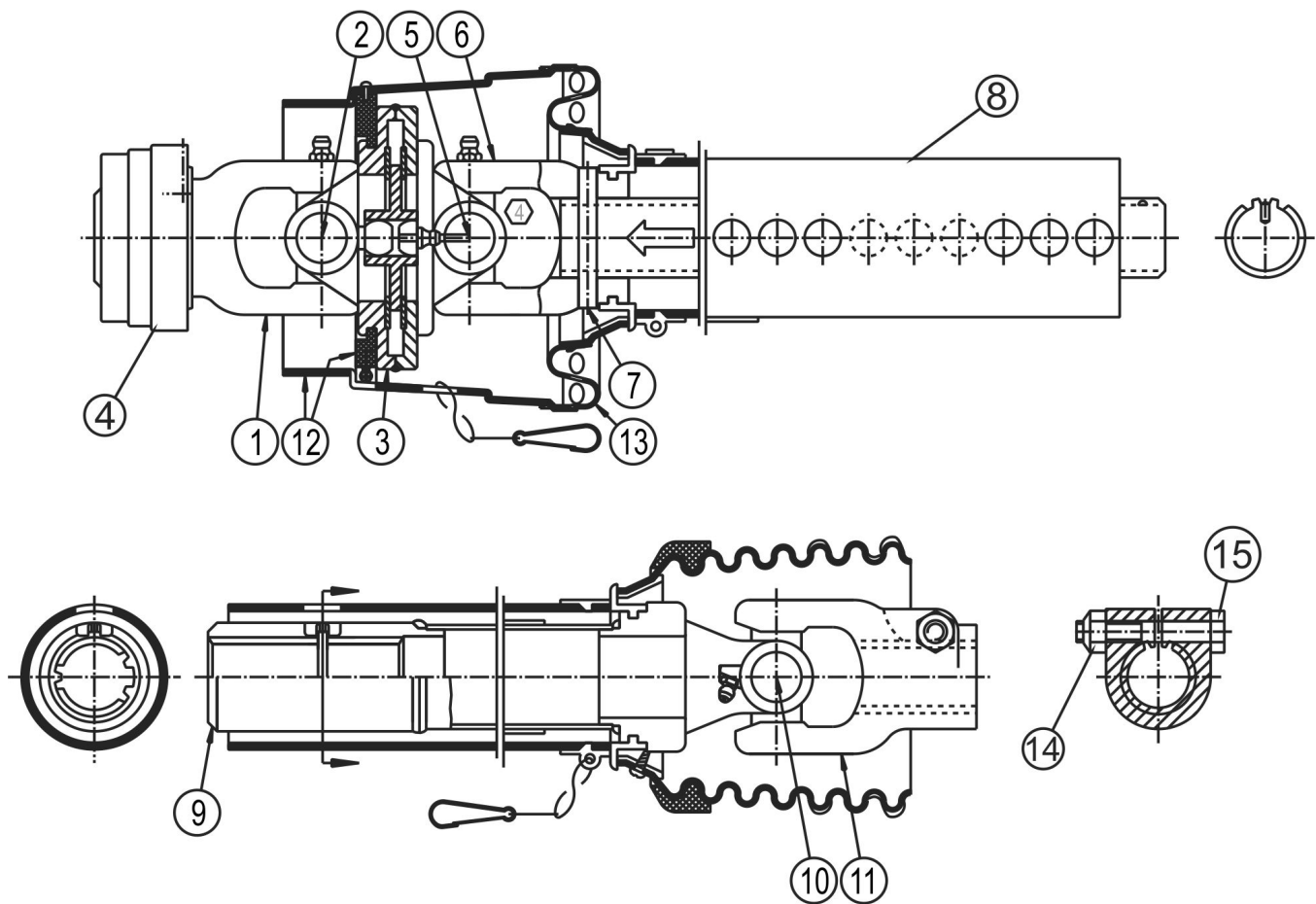


ITEM	PART NO.	QTY.	DESCRIPTION
1	00791619	1	YOKE 1-3/8 6 SPL QS
2	00791620	1	CROSS & BEARING KIT (FRONT CV)
3	00791621	1	DOUBLE YOKE
4	00779126	1	SLIDE COLLAR KIT
5	00791622	1	CROSS & BEARING KIT (REAR CV)
6	00791623	1	INBOARD YOKE 1 11/16-20
7	703624W	1	SPRING PIN, 10X75
8	00756005	1	DECAL, ROTATING DRIVELINE
9	00756004	1	DECAL,DANGER - GUARD MISSING
10	00791616	1	CROSS & BEARING KIT
11	00786369	1	YOKE
12	00791618	1	CV GUARD & BEARING ASSY.
13	00791617	1	KIT, DRIVELINE SHIELD - COMPLETE
14	00765962	1	NUT MET TLE 16MM-P2.0 PL
15	00765902	1	HHCS M16-P2.0 X 90MM PL8



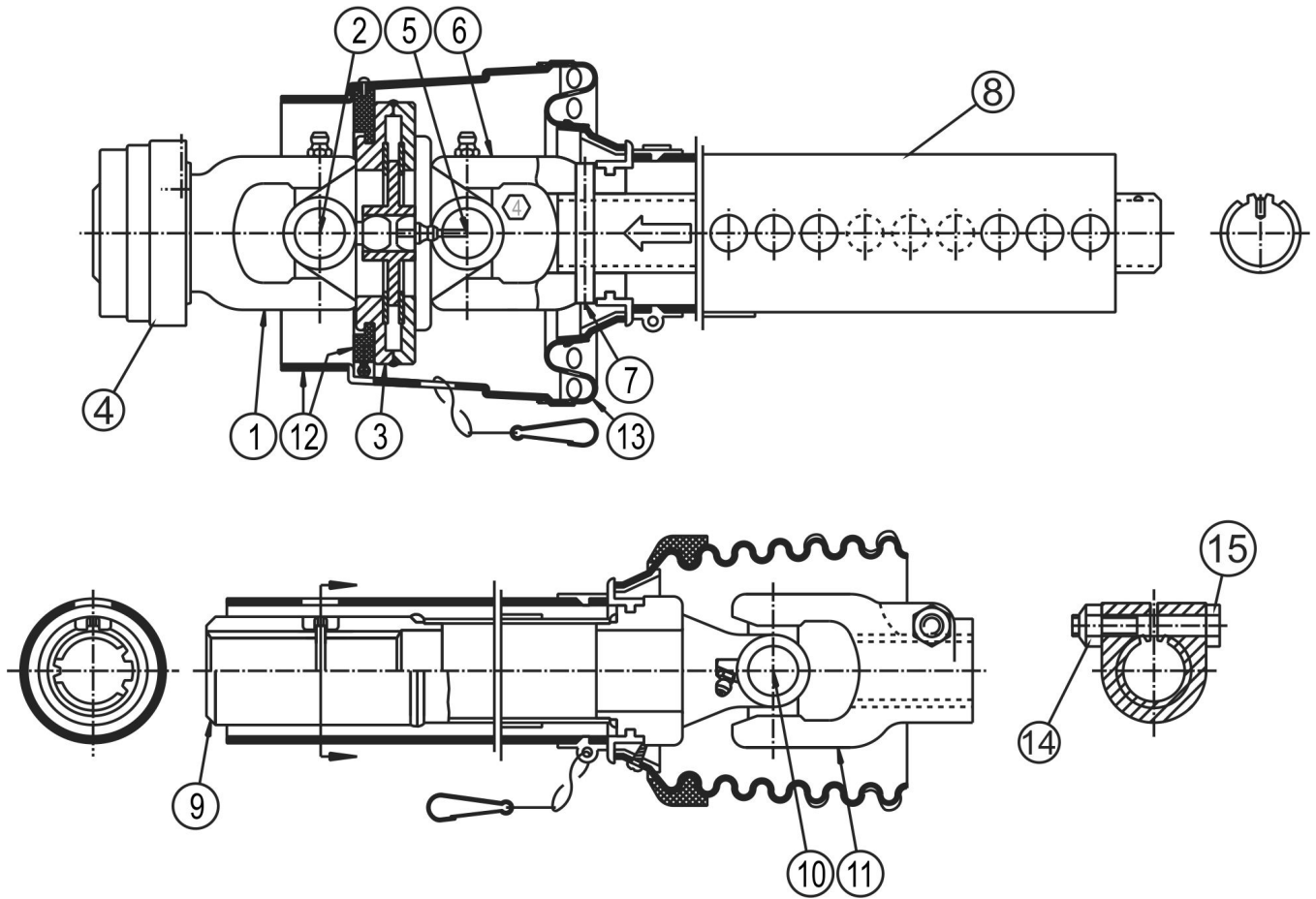
ITEM	PART NO.	QTY.	DESCRIPTION
1	00786369	1	YOKE 1-3/4 20 SPL IC
2	00791616	1	CROSS & BEARING KIT
3	00791623	1	INBOARD YOKE S4
4	8384	1	SPRING PIN, 10X90
5	8393	2	BEARING RING SC25
6	00759217	2	SCREW
7	8489	1	INBOARD YOKE S5
8	00786348	1	SLIP CLUTCH
9	00765962	1	NUT MET TLE 16MM-P2.0 PL
10	00765902	1	HHCS M16-P2.0 X 90MM PL8
11	00756005	1	DECAL, ROTATING DRIVELINE
12	00756004	1	DECAL,DANGER - GUARD MISSING
13	00791655	1	KIT, DRIVELINE SHIELD - COMPLETE

DRIVELINE 4150 - MAIN CV 1000RPM 1 3/4-20 SPLINE 00791580



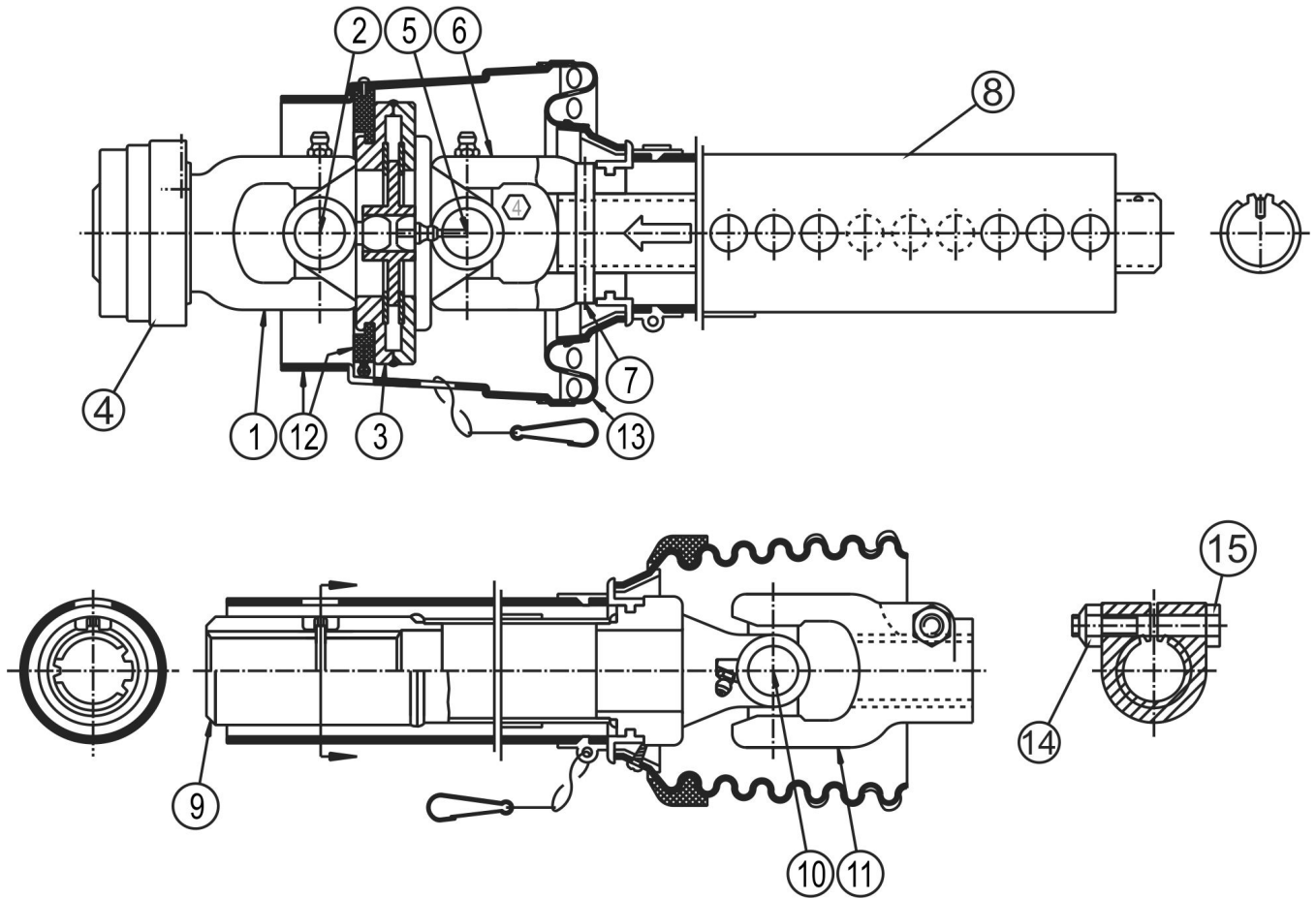
ITEM	PART NO.	QTY.	DESCRIPTION
1	00779128	1	YOKE 1-3/4 20 SPL QS
2	00779119	1	CROSS & BEARING KIT (FRONT CV)
3	8482	1	DOUBLE YOKE
4	00779126	1	SLIDE COLLAR KIT
5	00779121	1	CROSS & BEARING KIT (REAR CV)
6	00786374	1	INBOARD YOKE 1 11/16-20
7	703624W	1	SPRING PIN, 10X75
8	00756005	1	DECAL, ROTATING DRIVELINE
9	00756004	1	DECAL,DANGER - GUARD MISSING
10	8486	1	CROSS & BEARING KIT
11	00786369	1	YOKE
12	00791618	1	CV GUARD & BEARING ASSY.
13	00791617	1	KIT, DRIVELINE SHIELD - COMPLETE
14	00765962	1	NUT MET TLE 16MM-P2.0 PL
15	00765902	1	HHCS M16-P2.0 X 90MM PL8

DRIVELINE 4150 - MAIN CV 1000RPM 1-3/8 21 SPLINE 00791579



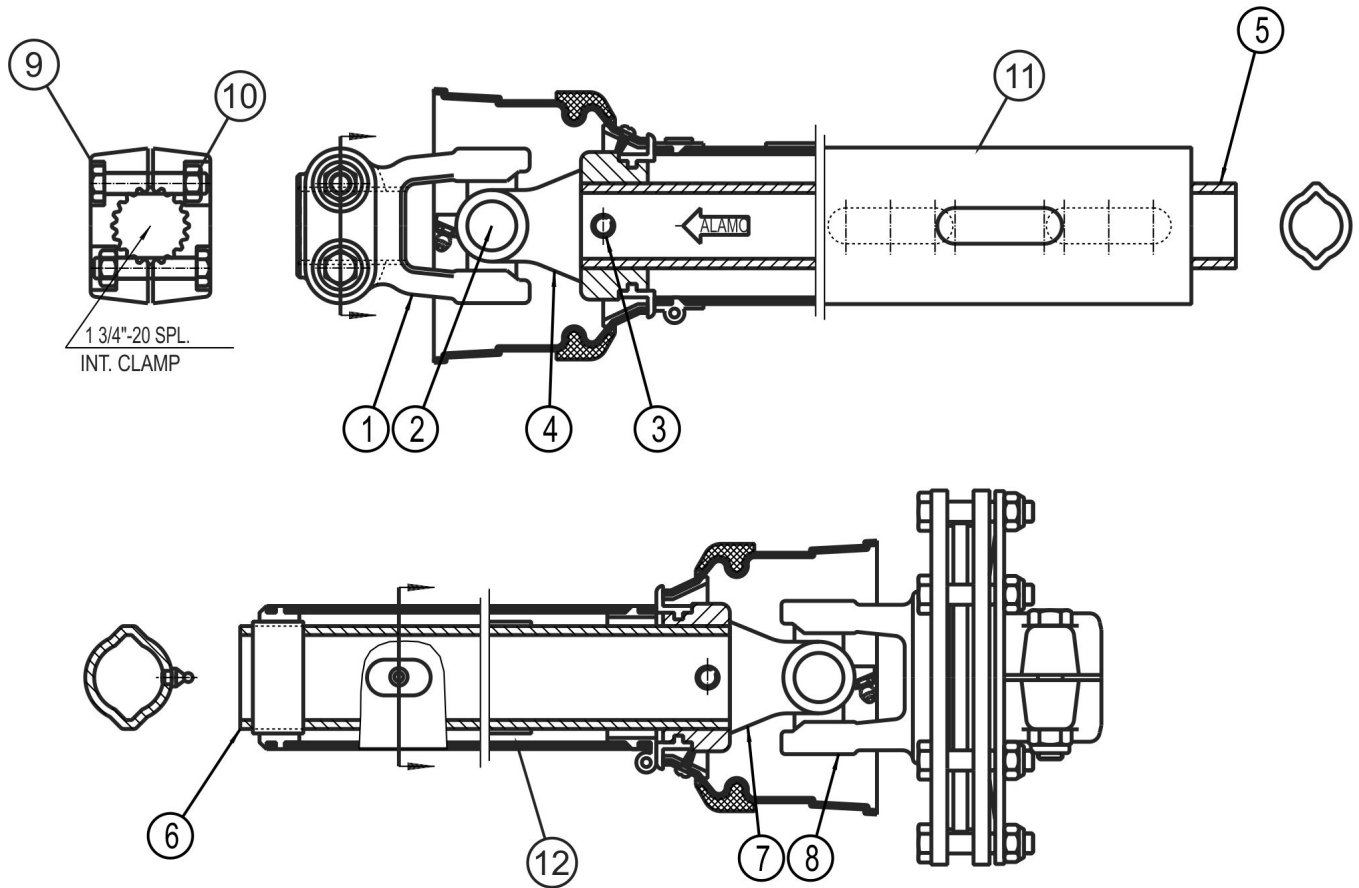
ITEM	PART NO.	QTY.	DESCRIPTION
1	00779127	1	YOKE 1-3/8 21 SPL QS
2	00779119	1	CROSS & BEARING KIT (FRONT CV)
3	8482	1	DOUBLE YOKE
4	00779126	1	SLIDE COLLAR KIT
5	00779121	1	CROSS & BEARING KIT (REAR CV)
6	00786374	1	INBOARD YOKE 1 11/16-20
7	703624W	1	SPRING PIN, 10X75
8	00756005	1	DECAL, ROTATING DRIVELINE
9	00756004	1	DECAL,DANGER - GUARD MISSING
10	8486	1	CROSS & BEARING KIT
11	00786369	1	YOKE
12	00791618	1	CV GUARD & BEARING ASSY.
13	00791617	1	KIT, DRIVELINE SHIELD - COMPLETE
14	00765962	1	NUT MET TLE 16MM-P2.0 PL
15	00765902	1	HHCS M16-P2.0 X 90MM PL8

DRIVELINE 4150 - MAIN CV 540RPM 1 3/8-6 SPLINE 00791578

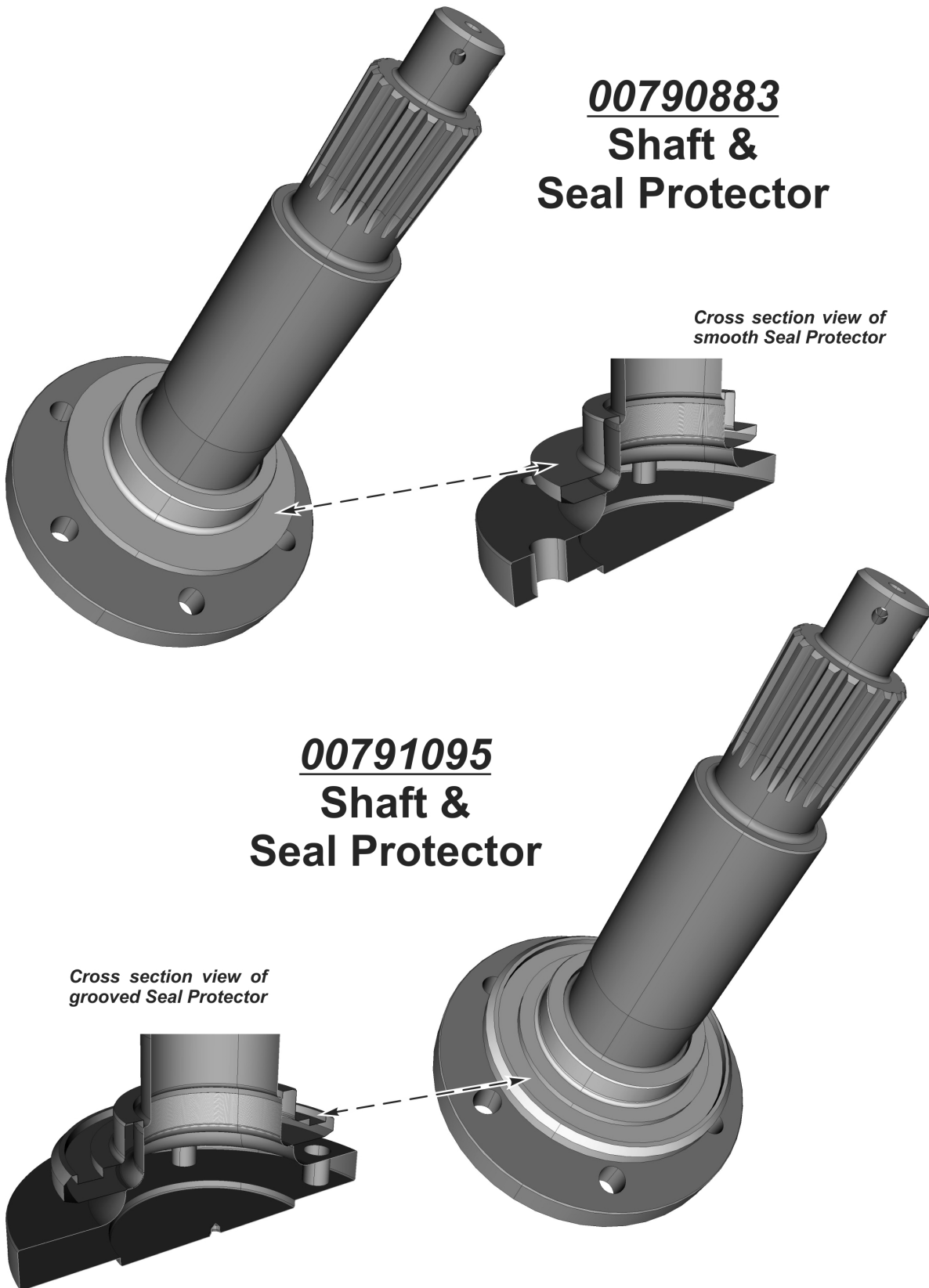


ITEM	PART NO.	QTY.	DESCRIPTION
1	00779118	1	YOKE 1-3/8 6 SPL QS
2	00779119	1	CROSS & BEARING KIT (FRONT CV)
3	8482	1	DOUBLE YOKE
4	00779126	1	SLIDE COLLAR KIT
5	00779121	1	CROSS & BEARING KIT (REAR CV)
6	00786374	1	INBOARD YOKE 1 11/16-20
7	703624W	1	SPRING PIN, 10X75
8	00756005	1	DECAL, ROTATING DRIVELINE
9	00756004	1	DECAL,DANGER - GUARD MISSING
10	8486	1	CROSS & BEARING KIT
11	00786369	1	YOKE
12	00791618	1	CV GUARD & BEARING ASSY.
13	00791617	1	KIT, DRIVELINE SHIELD - COMPLETE
14	00765962	1	NUT MET TLE 16MM-P2.0 PL
15	00765902	1	HHCS M16-P2.0 X 90MM PL8

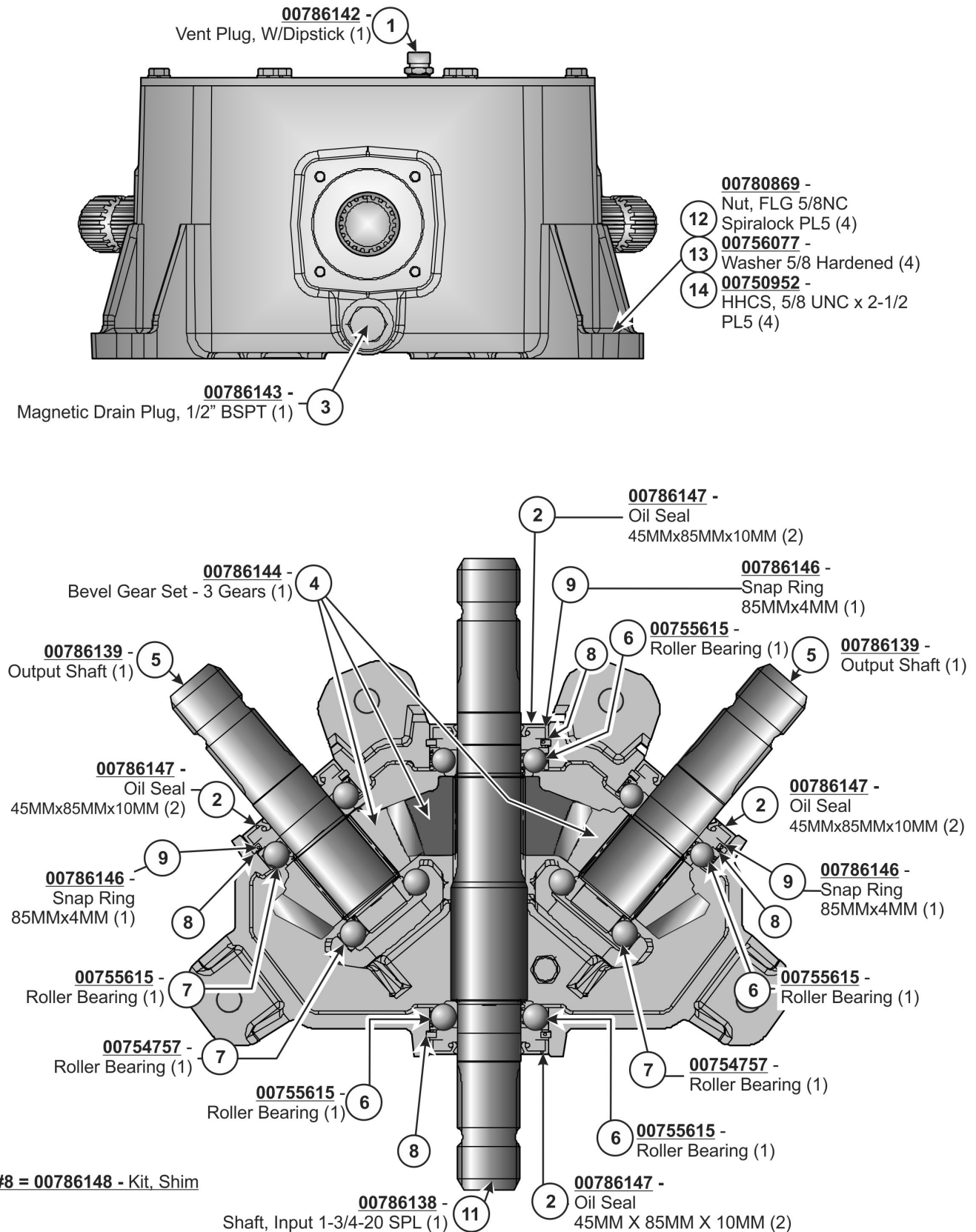
DRIVELINE 4150 - WING 00775312



ITEM	PART NO.	QTY.	DESCRIPTION
1	00775316	1	YOKE 1-3/4-20 SPL. I.C.
2	00189700	2	CROSS & BEARING KIT
3	00756934	2	SPRING PIN 10 X 80
4	00775317	1	INBOARD YOKE 1B
5	00775375	1	INNER PROFILE
6	00775376	1	PROFILE & SLEEVE
7	00775318	1	INBOARD YOKE 2A
8	00775315	1	SLIP CLUTCH
9	00775384	2	BOLT, M12 X 1.75 X 60 PL 8.8
10	00772648	2	NUT, HEX TOPLOCK - M12 X 1.75
11	00756005	1	DECAL, ROTATING DRIVELINE
12	00756004	1	DECAL, DANGER - GUARD MISSING
13	00786419	1	SHIELD GUARD KIT - COMPLETE



GEARBOX ASSEMBLY 540RPM 00786132 - DIVIDER

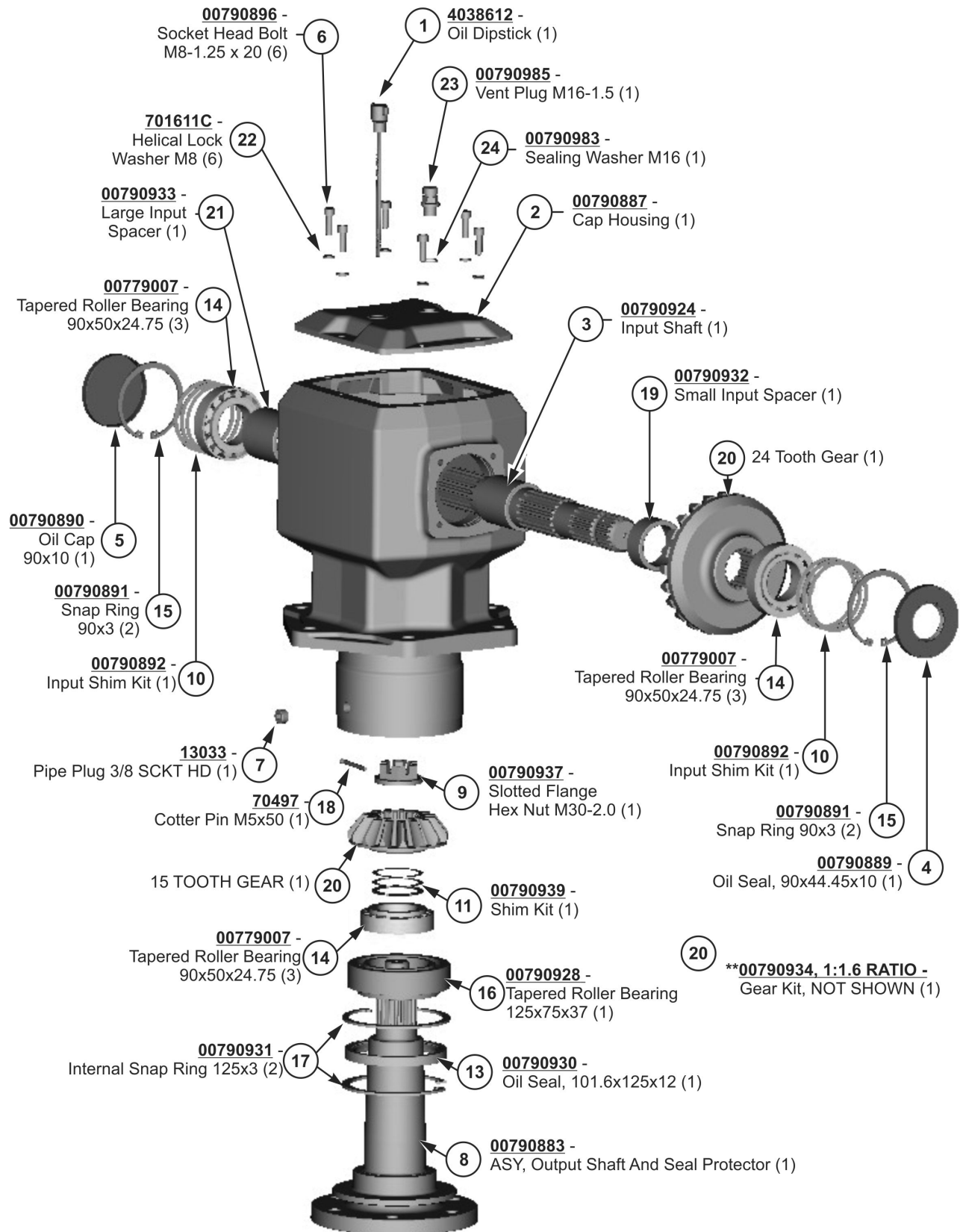


GEARBOX ASSEMBLY 540RPM 00786132 - DIVIDER

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	00786142	1	VENT PLUG, W/DIPSTICK
2	00786147	2	OIL SEAL 45MMX85MMX10MM
3	00786143	1	MAGNETIC DRAIN PLUG, 1/2" BSPT
4	00786144	1	BEVEL GEAR SET - 3 GEARS
5	00786139	1	OUTPUT SHAFT
6	00755615	1	ROLLER BEARING
7	00754757	1	ROLLER BEARING
8	00786148	1	KIT, SHIM
9	00786146	1	SNAP RING 85MMX4MM
10	00786139	1	OUTPUT SHAFT
11	00786138	1	SHAFT, INPUT 1-3/4-20 SPL
12	00780869	4	NUT, FLG 5/8NC SPIRALOCK PL5
13	00756077	4	WASHER 5/8 HARDENED
14	00750952	4	HHCS, 5/8 UNC X 2-1/2 PL5

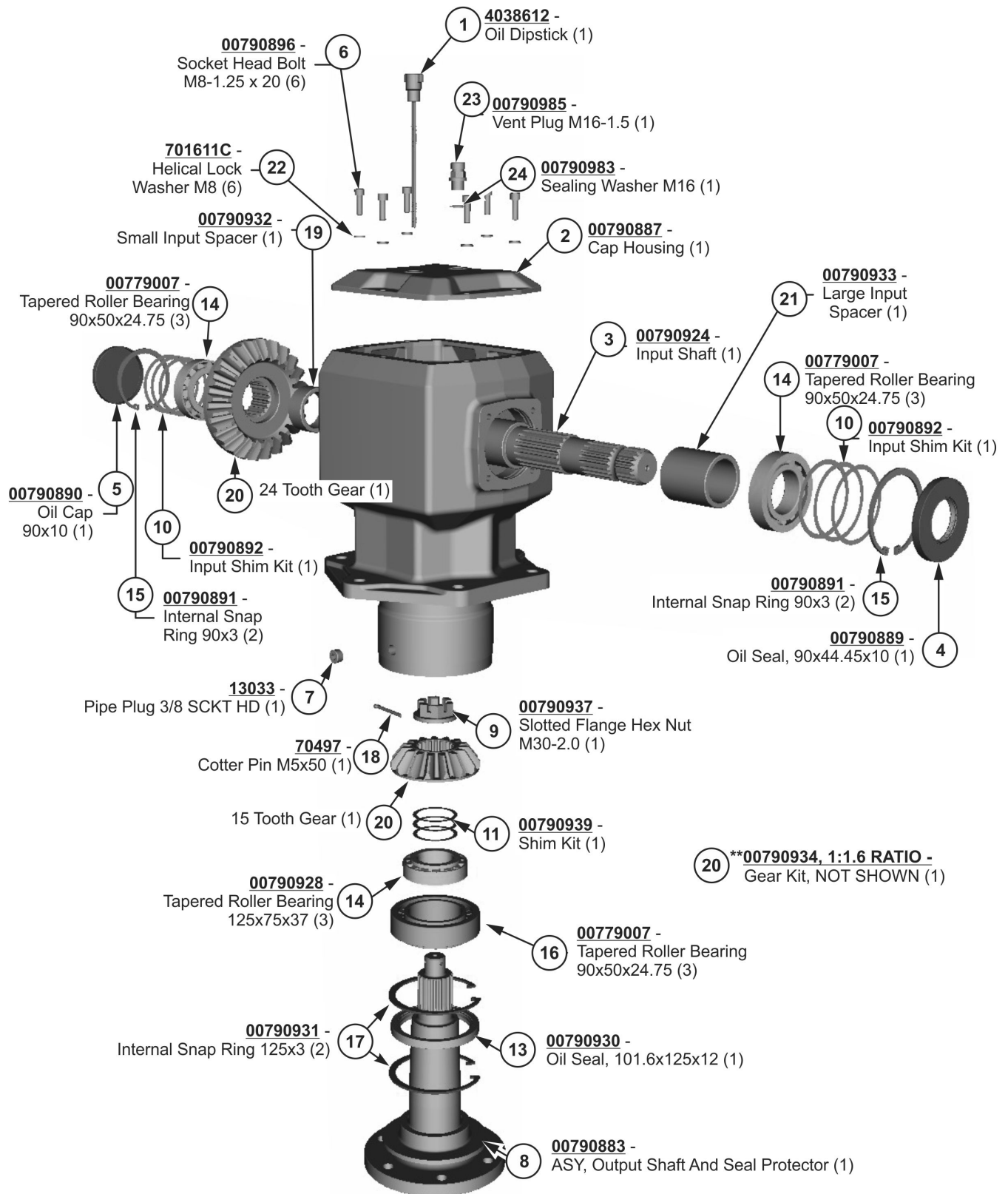
GEARBOX ASSEMBLY 540RPM 00790898 - 1:1.6, 4150/55 LW & CNTR



GEARBOX ASSEMBLY 540RPM 00790898 - 1:1.6, 4150/55 LW & CNTR**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
1	4038612	1	DIPSTICK, OIL
2	00790887	1	CAP, HOUSING
3	00790924	1	SHAFT, INPUT 1-3/4 20-SPL
4	00790889	1	SEAL, OIL (90 X 44.45 X 10)
5	00790890	1	CAP, OIL (90 X 10)
6	00790896	6	SOCKET HEAD, M8-1.25 X 20
7	13033	1	PLUG, SOCKET HEAD - 3/8
8	00790883	1	ASY, OUTPUT SHAFT & SEAL PROTECTOR
9	00790937	1	SLOTTED FLANGE NUT, M30-2.0
10	00790892	2	KIT, INPUT SHIM
11	00790939	1	KIT, OUTPUT SHIM
13	00790930	1	OIL SEAL, 101.6 X 125 X 12
14	00779007	3	BEARING, ROLLER - 90 X 50 X 24.75
15	00790891	2	RING, SNAP DIN 472 (90 X 3)
16	00790928	1	BEARING, ROLLER - 125 X 75 X 37
17	00790931	2	RING, SNAP DIN 472 (125 X 3)
18	70497	1	PIN, COTTER M5 X 50
19	00790932	1	SMALL INPUT SPACER
20	00790934	1	GEAR KIT
	---	1	INCLUDED IN #20 - GEAR, 13 TOOTH
	---	1	INCLUDED IN #20 - GEAR, 19 TOOTH
21	00790933	1	LARGE INPUT SPACER
22	701611C	1	HELICAL LOCK WASHER M8
23	00790985	1	PLUG, VENT M16-1.5
24	00790983	1	SEALING WASHER M16

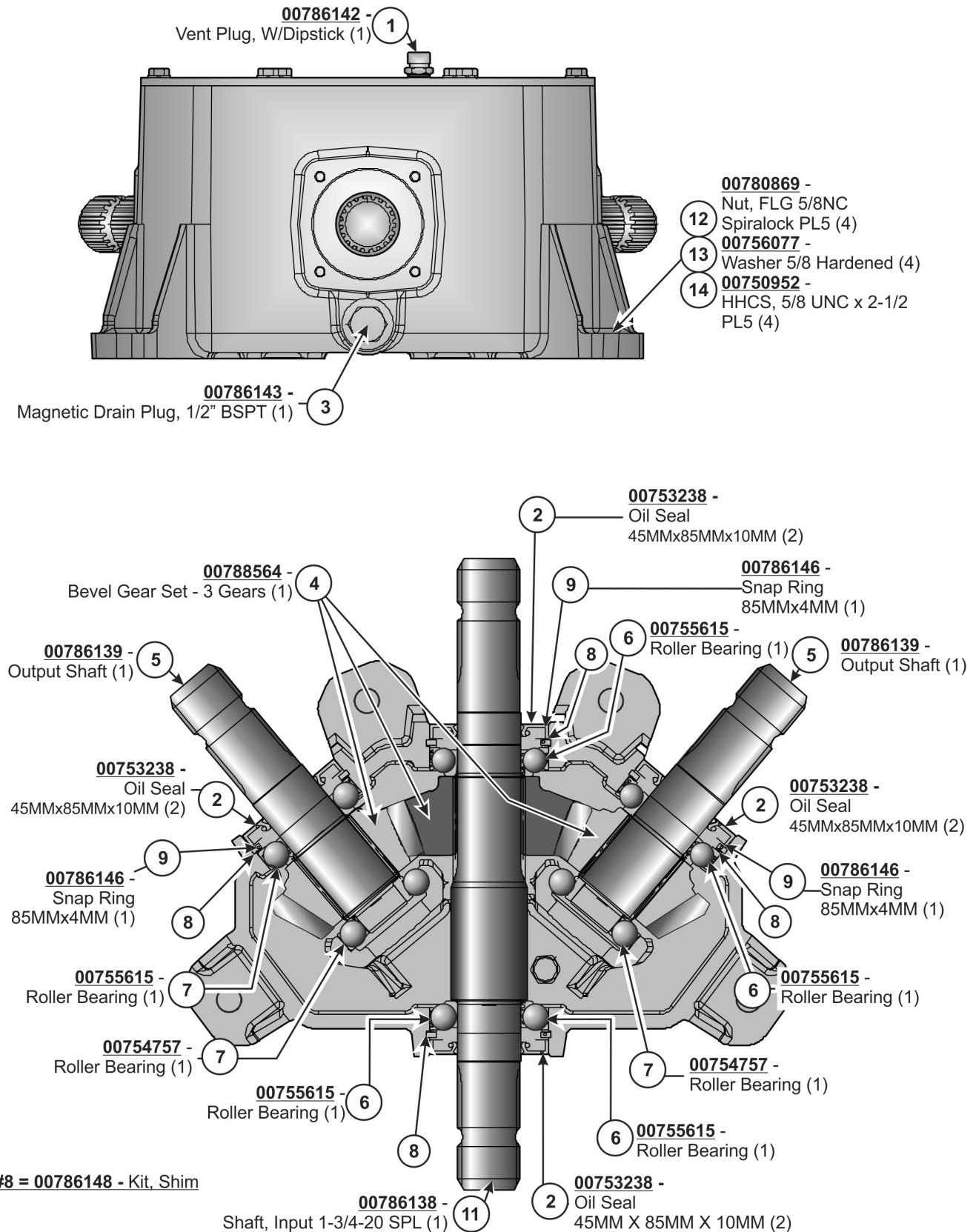
GEARBOX ASSEMBLY 540RPM 00790899 - 1:1.6, 4150/55 RW & 4105 RW & CNTR



GEARBOX ASSEMBLY 540RPM 00790899 - 1:1.6, 4150/55 RW & 4105 RW & CNTR**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
1	4038612	1	DIPSTICK, OIL
2	00790887	1	CAP, HOUSING
3	00790924	1	SHAFT, INPUT 1-3/4 20-SPL
4	00790889	1	SEAL, OIL (90 X 44.45 X 10)
5	00790890	1	CAP, OIL (90 X 10)
6	00790896	6	SOCKET HEAD, M8-1.25 X 20
7	13033	1	PLUG, SOCKET HEAD - 3/8
8	00790883	1	ASY, OUTPUT SHAFT & SEAL PROTECTOR
9	00790937	1	SLOTTED FLANGE NUT, M30-2.0
10	00790892	2	KIT, INPUT SHIM
11	00790939	1	KIT, OUTPUT SHIM
13	00790930	1	OIL SEAL, 101.6 X 125 X 12
14	00779007	3	BEARING, ROLLER - 90 X 50 X 24.75
15	00790891	2	RING, SNAP DIN 472 (90 X 3)
16	00790928	1	BEARING, ROLLER - 125 X 75 X 37
17	00790931	2	RING, SNAP DIN 472 (125 X 3)
18	70497	1	PIN, COTTER M5 X 50
19	00790932	1	SMALL INPUT SPACER
20	00791079	1	GEAR KIT
	---	1	INCLUDED IN #20 - GEAR, 15 TOOTH
	---	1	INCLUDED IN #20 - GEAR, 24 TOOTH
21	00790933	1	LARGE INPUT SPACER
22	701611C	1	HELICAL LOCK WASHER M8
23	00790985	1	PLUG, VENT M16-1.5
24	00790983	1	SEALING WASHER M16

GEARBOX ASSEMBLY 1000RPM 00788554 - DIVIDER

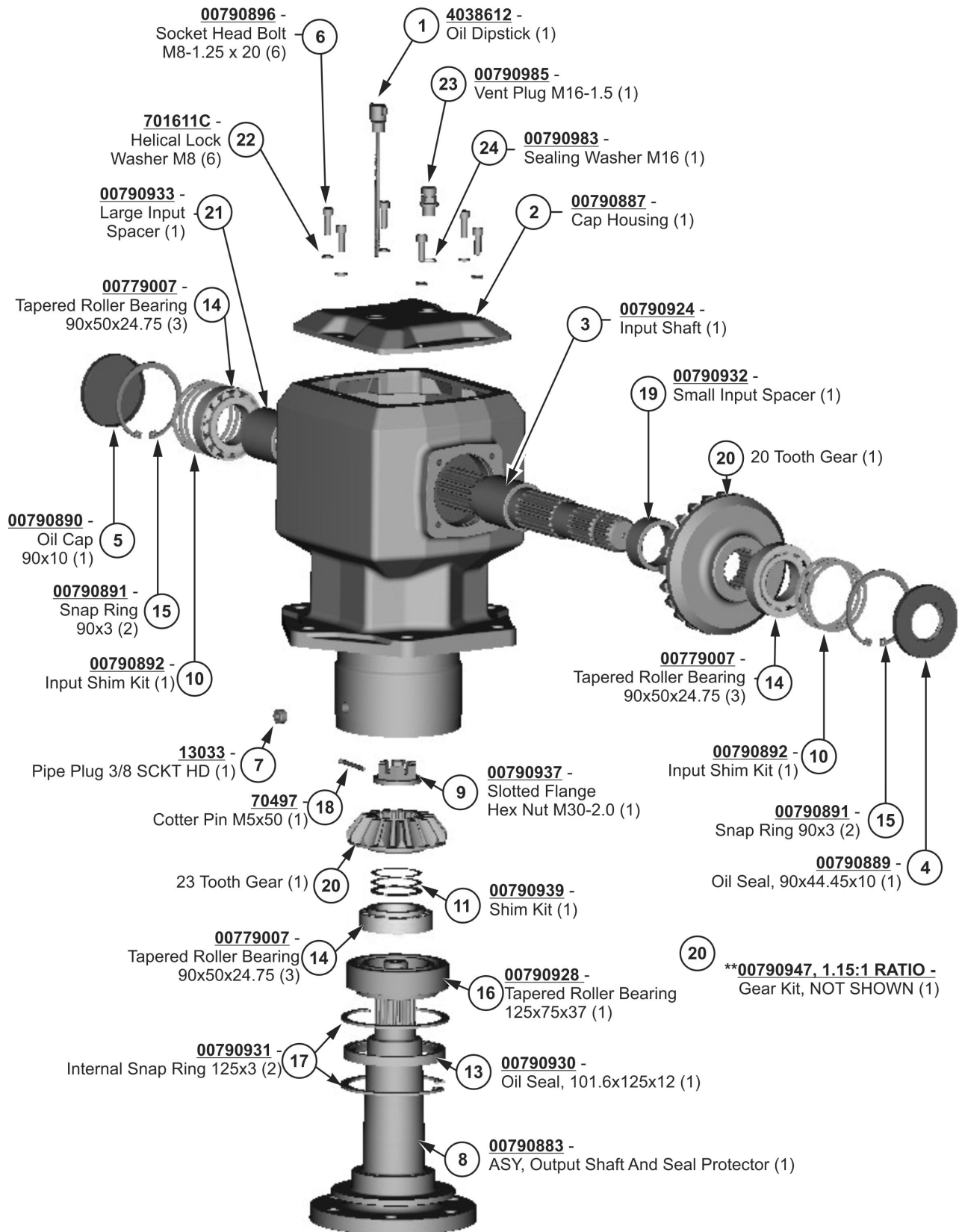


GEARBOX ASSEMBLY 1000RPM 00788554 - DIVIDER

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	00786142	1	VENT PLUG, W/DIPSTICK
2	00753238	2	OIL SEAL 45MMX85MMX10MM
3	00786143	1	MAGNETIC DRAIN PLUG, 1/2" BSPT
4	00788564	1	BEVEL GEAR SET - 3 GEARS
5	00786139	1	OUTPUT SHAFT
6	00755615	1	ROLLER BEARING
7	00754757	1	ROLLER BEARING
8	00786148	1	KIT, SHIM
9	00786146	1	SNAP RING 85MMX4MM
11	00786138	1	SHAFT, INPUT 1-3/4-20 SPL
12	00780869	4	NUT, FLG 5/8NC SPIRALOCK PL5
13	00756077	4	WASHER 5/8 HARDENED
14	00750952	4	HHCS, 5/8 UNC X 2-1/2 PL5

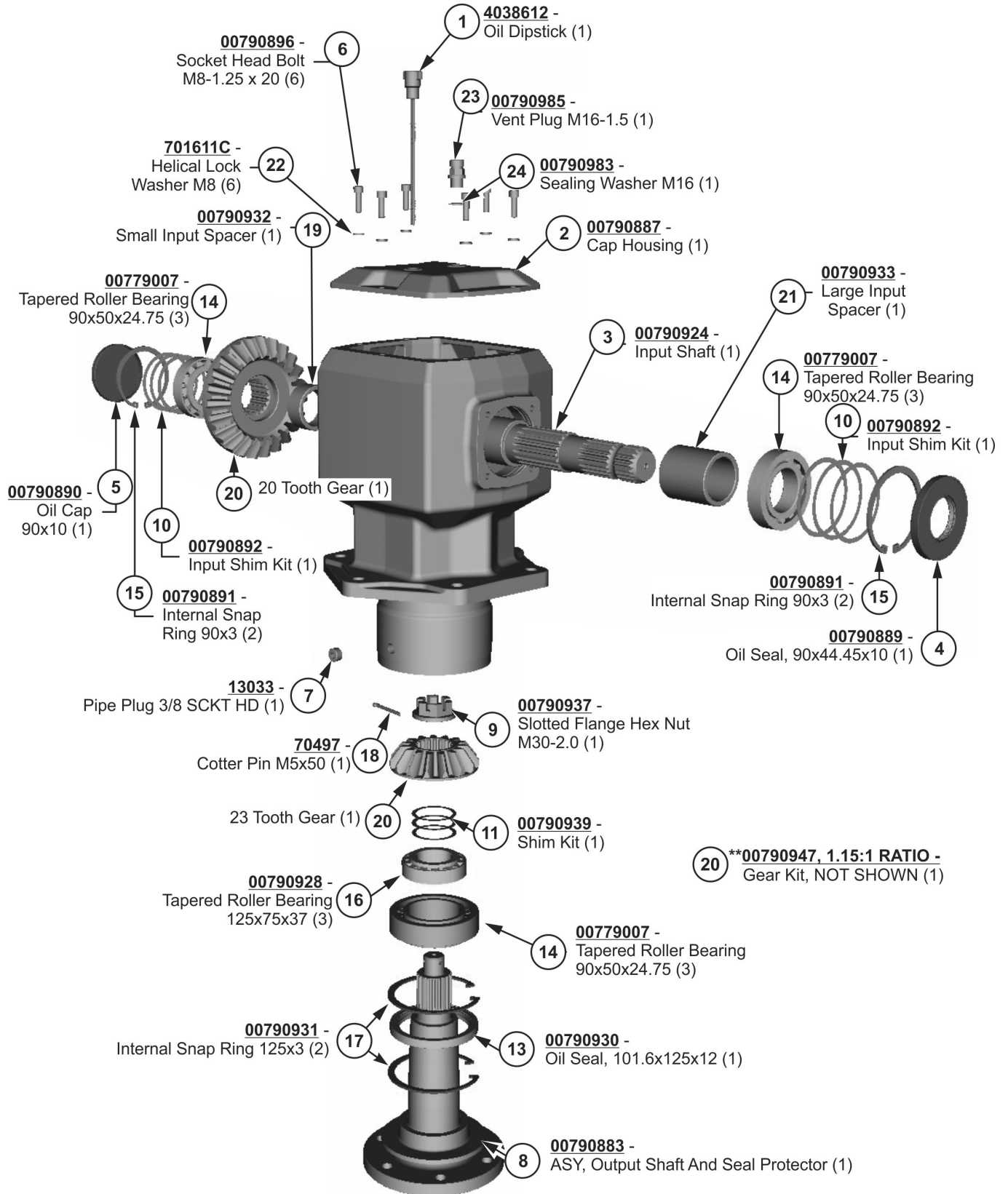
GEARBOX ASSEMBLY 1000RPM 00790904 - 1.15:1, 4150/55 CNTR



GEARBOX ASSEMBLY 1000RPM 00790904 - 1.15:1, 4150/55 CNTR**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
1	4038612	1	DIPSTICK, OIL
2	00790887	1	CAP, HOUSING
3	00790924	1	SHAFT, INPUT 1-3/4 20-SPL
4	00790889	1	SEAL, OIL (90 X 44.45 X 10)
5	00790890	1	CAP, OIL (90 X 10)
6	00790896	6	SOCKET HEAD, M8-1.25 X 20
7	13033	1	PLUG, SOCKET HEAD - 3/8
8	00790883	1	ASY, OUTPUT SHAFT & SEAL PROTECTOR
9	00790937	1	SLOTTED FLANGE NUT, M30-2.0
10	00790892	2	KIT, INPUT SHIM
11	00790939	1	KIT, OUTPUT SHIM
13	00790930	1	OIL SEAL, 101.6 X 125 X 12
14	00779007	3	BEARING, ROLLER - 90 X 50 X 24.75
15	00790891	2	RING, SNAP DIN 472 (90 X 3)
16	00790928	1	BEARING, ROLLER - 125 X 75 X 37
17	00790931	2	RING, SNAP DIN 472 (125 X 3)
18	70497	1	PIN, COTTER M5 X 50
19	00790932	1	SMALL INPUT SPACER
20	00790947	1	GEAR KIT
	---	1	INCLUDED IN #20 - GEAR, 20 TOOTH
	---	1	INCLUDED IN #20 - GEAR, 23 TOOTH
21	00790933	1	LARGE INPUT SPACER
22	701611C	1	HELICAL LOCK WASHER M8
23	00790985	1	PLUG, VENT M16-1.5
24	00790983	1	SEALING WASHER M16

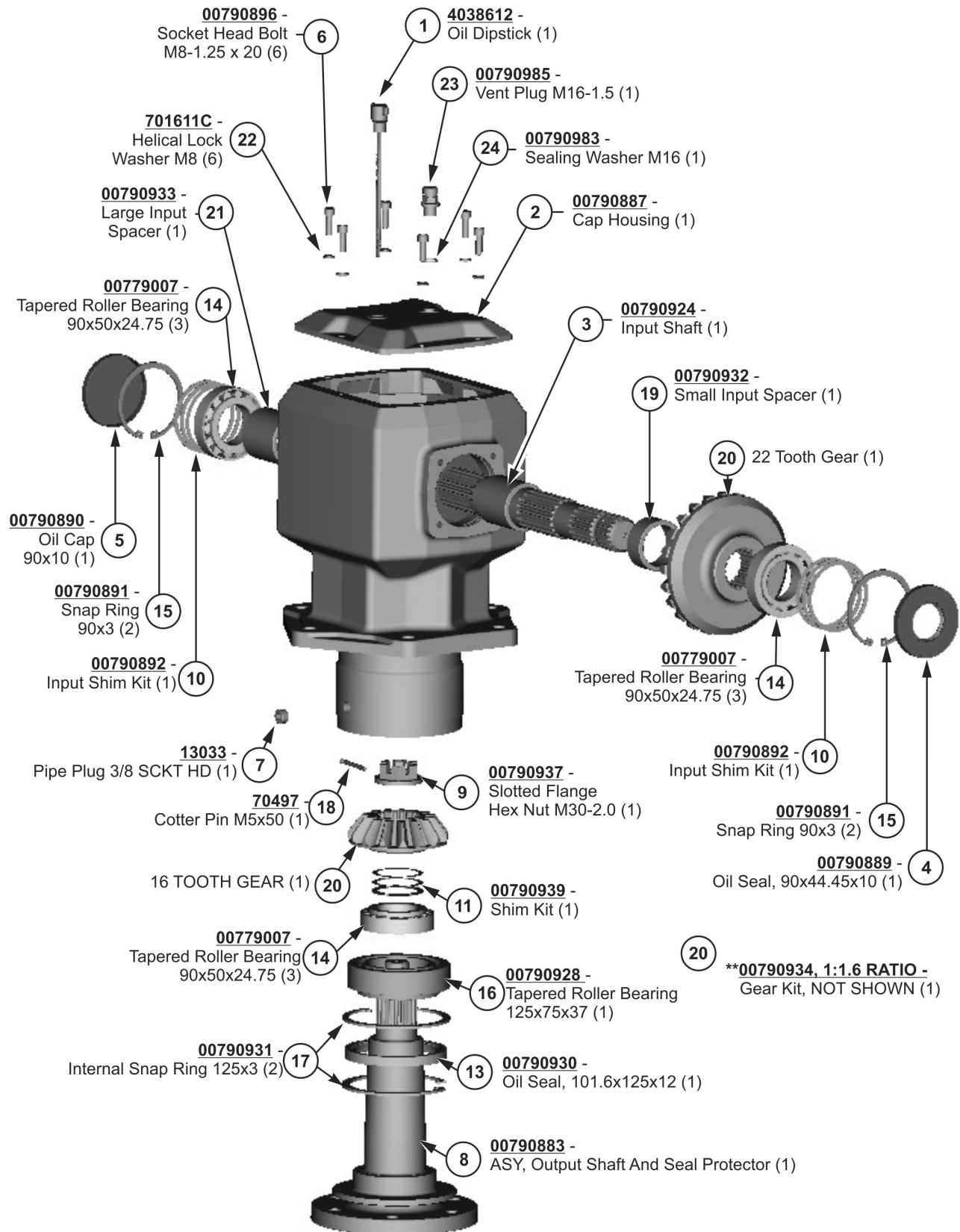
GEARBOX ASSEMBLY 1000RPM 00790905 - 1.15:1, 4105 CNTR



GEARBOX ASSEMBLY 1000RPM 00790905 - 1.15:1, 4105 CNTR

1	4038612	1	DIPSTICK, OIL
2	00790887	1	CAP, HOUSING
3	00790924	1	SHAFT, INPUT 1-3/4 20-SPL
4	00790889	1	SEAL, OIL (90 X 44.45 X 10)
5	00790890	1	CAP, OIL (90 X 10)
6	00790896	6	SOCKET HEAD, M8-1.25 X 20
7	13033	1	PLUG, SOCKET HEAD - 3/8
8	00790883	1	ASY, OUTPUT SHAFT & SEAL PROTECTOR
9	00790937	1	SLOTTED FLANGE NUT, M30-2.0
10	00790892	2	KIT, INPUT SHIM
11	00790939	1	KIT, OUTPUT SHIM
13	00790930	1	OIL SEAL, 101.6 X 125 X 12
14	00779007	3	BEARING, ROLLER - 90 X 50 X 24.75
15	00790891	2	RING, SNAP DIN 472 (90 X 3)
16	00790928	1	BEARING, ROLLER - 125 X 75 X 37
17	00790931	2	RING, SNAP DIN 472 (125 X 3)
18	70497	1	PIN, COTTER M5 X 50
19	00790932	1	SMALL INPUT SPACER
20	00790947	1	GEAR KIT
	---	1	INCLUDED IN #20 - GEAR, 23 TOOTH
	---	1	INCLUDED IN #20 - GEAR, 20 TOOTH
21	00790933	1	LARGE INPUT SPACER
22	701611C	1	HELICAL LOCK WASHER M8
23	00790985	1	PLUG, VENT M16-1.5
24	00790983	1	SEALING WASHER M16

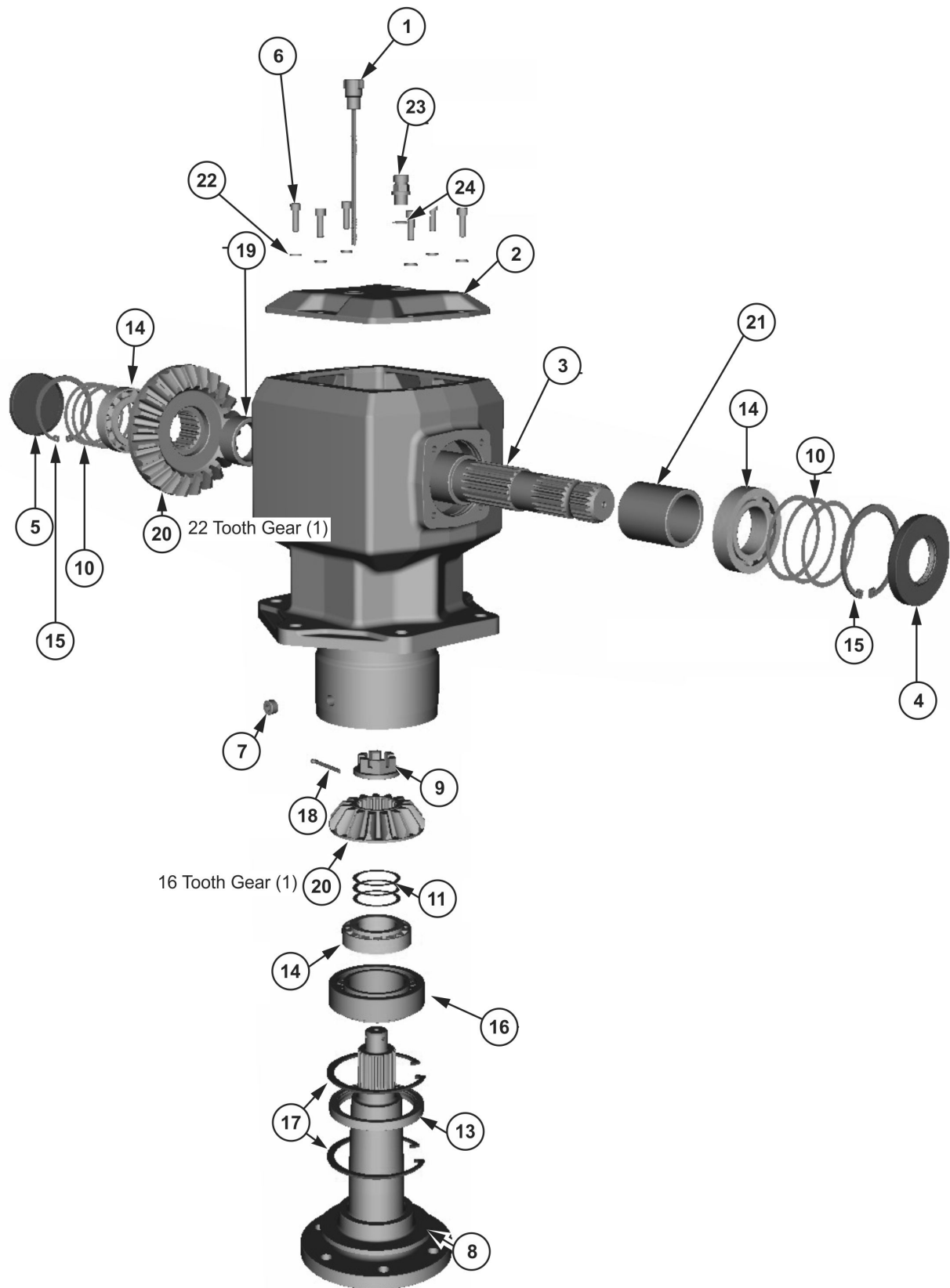
GEARBOX ASSEMBLY 1000RPM 00790907 - 1:1.375, 4150/55 LW



GEARBOX ASSEMBLY 1000RPM 00790907 - 1:1.375, 4150/55 LW**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
1	4038612	1	DIPSTICK, OIL
2	00790887	1	CAP, HOUSING
3	00790924	1	SHAFT, INPUT 1-3/4 20-SPL
4	00790889	1	SEAL, OIL (90 X 44.45 X 10)
5	00790890	1	CAP, OIL (90 X 10)
6	00790896	6	SOCKET HEAD, M8-1.25 X 20
7	13033	1	PLUG, SOCKET HEAD - 3/8
8	00790883	1	ASY, OUTPUT SHAFT & SEAL PROTECTOR
9	00790937	1	SLOTTED FLANGE NUT, M30-2.0
10	00790892	2	KIT, INPUT SHIM
11	00790939	1	KIT, OUTPUT SHIM
13	00790930	1	OIL SEAL, 101.6 X 125 X 12
14	00779007	3	BEARING, ROLLER - 90 X 50 X 24.75
15	00790891	2	RING, SNAP DIN 472 (90 X 3)
16	00790928	1	BEARING, ROLLER - 125 X 75 X 37
17	00790931	2	RING, SNAP DIN 472 (125 X 3)
18	70497	1	PIN, COTTER M5 X 50
19	00790932	1	SMALL INPUT SPACER
20	00790950	1	GEAR KIT
	---	1	INCLUDED IN #20 - GEAR, 16TOOTH
	---	1	INCLUDED IN #20 - GEAR, 22TOOTH
21	00790933	1	LARGE INPUT SPACER
22	701611C	1	HELICAL LOCK WASHER M8
23	00790985	1	PLUG, VENT M16-1.5
24	00790983	1	SEALING WASHER M16

GEARBOX ASSEMBLY 1000RPM 00790908 - 1:1.375, 4105/50/55 RW

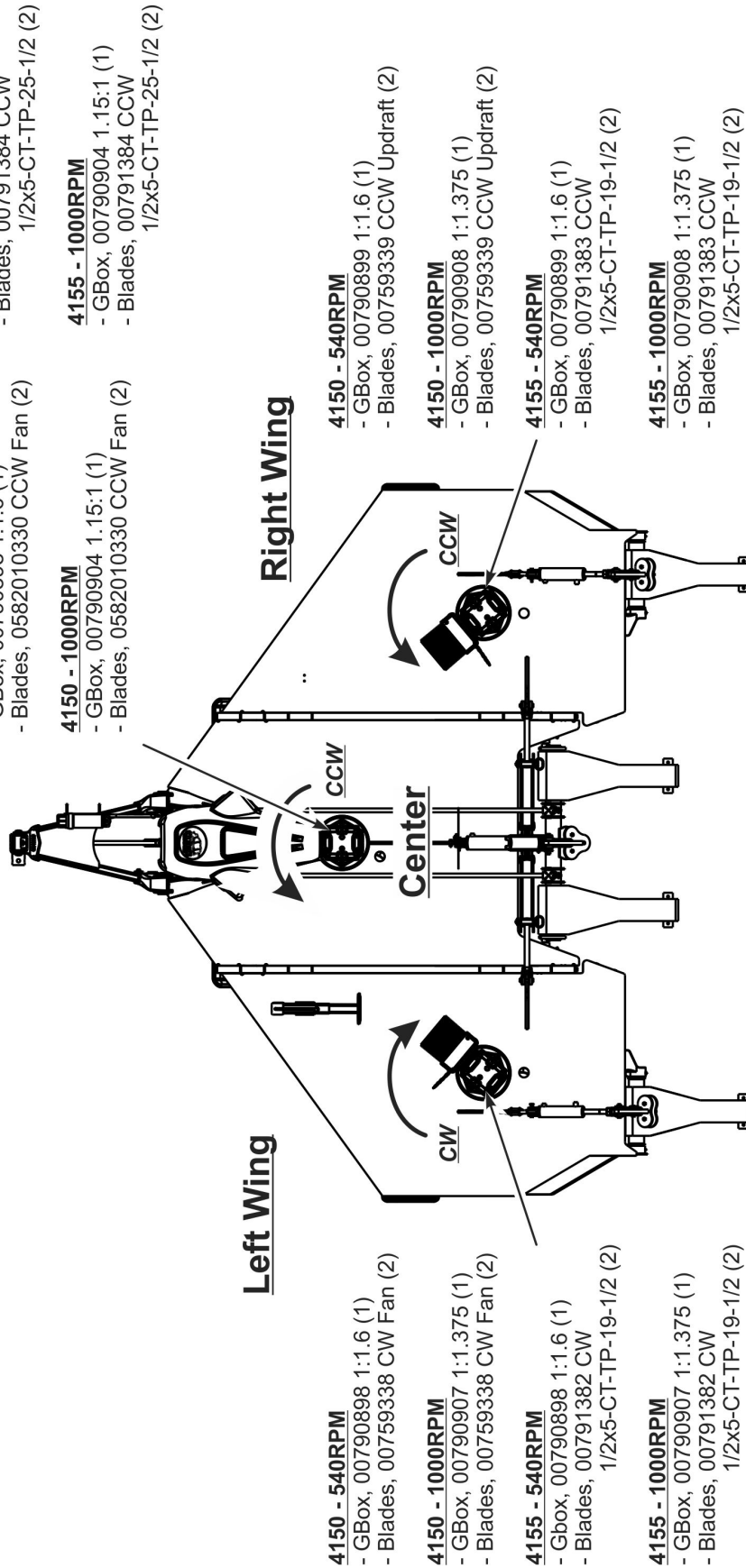


GEARBOX ASSEMBLY 1000RPM 00790908 - 1:1.375, 4105/50/55 RW**Continued...**

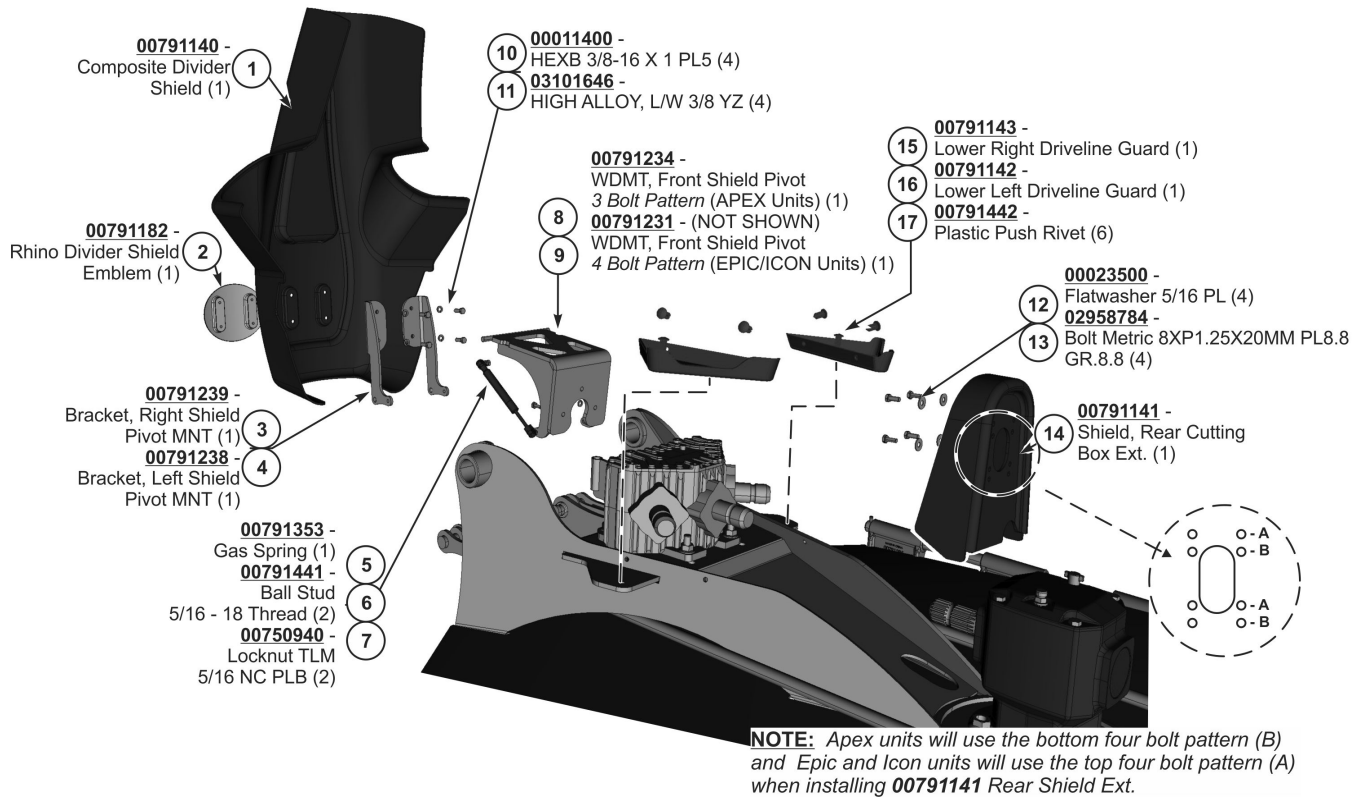
ITEM	PART NO.	QTY.	DESCRIPTION
1	4038612	1	DIPSTICK, OIL
2	00790887	1	CAP, HOUSING
3	00790924	1	SHAFT, INPUT 1-3/4 20-SPL
4	00790889	1	SEAL, OIL (90 X 44.45 X 10)
5	00790890	1	CAP, OIL (90 X 10)
6	00790896	6	SOCKET HEAD, M8-1.25 X 20
7	13033	1	PLUG, SOCKET HEAD - 3/8
8	00790883	1	ASY, OUTPUT SHAFT & SEAL PROTECTOR
9	00790937	1	SLOTTED FLANGE NUT, M30-2.0
10	00790892	2	KIT, INPUT SHIM
11	00790939	1	KIT, OUTPUT SHIM
13	00790930	1	OIL SEAL, 101.6 X 125 X 12
14	00779007	3	BEARING, ROLLER - 90 X 50 X 24.75
15	00790891	2	RING, SNAP DIN 472 (90 X 3)
16	00790928	1	BEARING, ROLLER - 125 X 75 X 37
17	00790931	2	RING, SNAP DIN 472 (125 X 3)
18	70497	1	PIN, COTTER M5 X 50
19	00790932	1	SMALL INPUT SPACER
20	00790950	1	GEAR KIT
21	00790933	1	LARGE INPUT SPACER
22	701611C	1	HELICAL LOCK WASHER M8
23	00790985	1	PLUG, VENT M16-1.5
24	00790983	1	SEALING WASHER M16

GEARBOX ROTATION CHART - 15'

15' UNITS

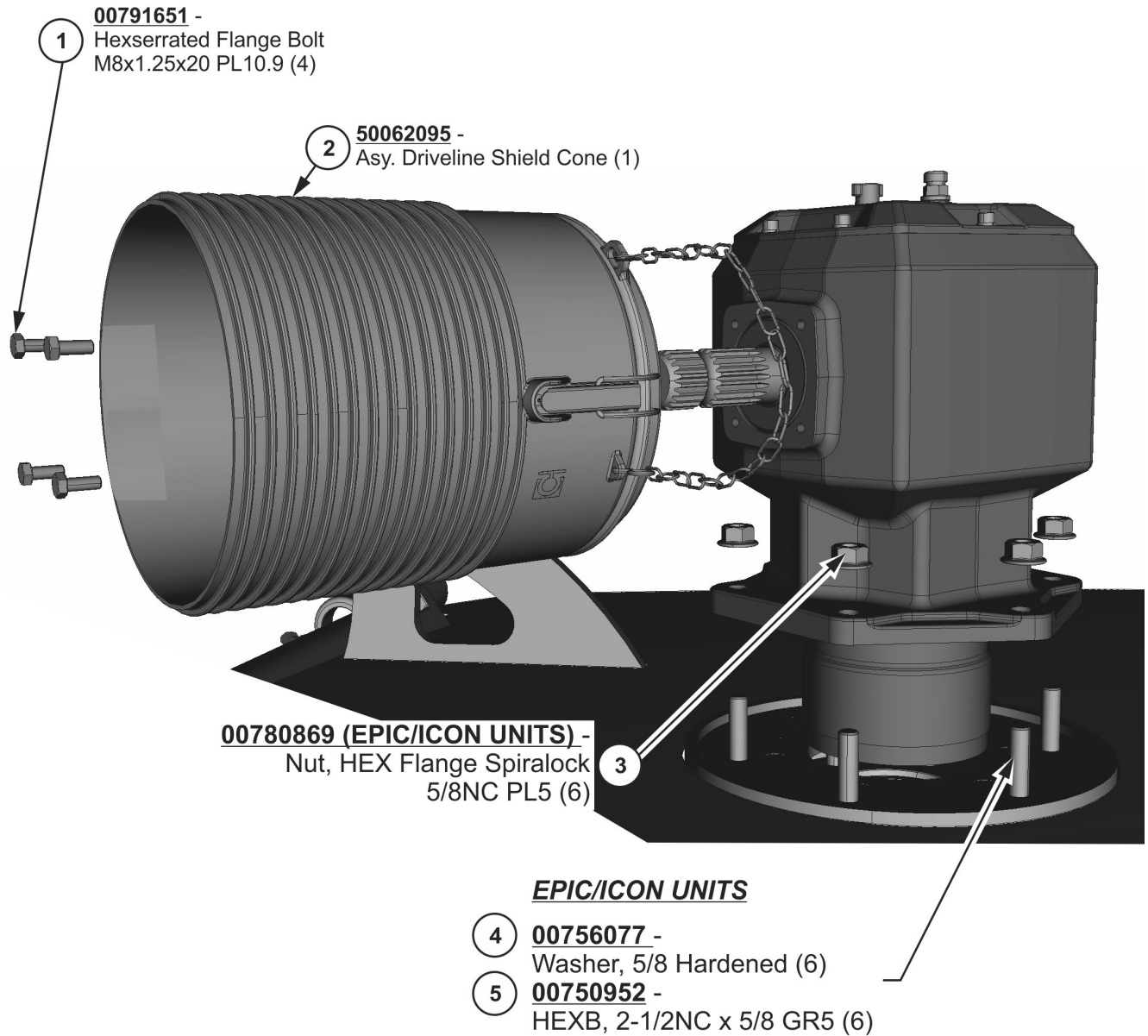


GEARBOX SHIELD ASSEMBLY - DIVIDER & CENTER



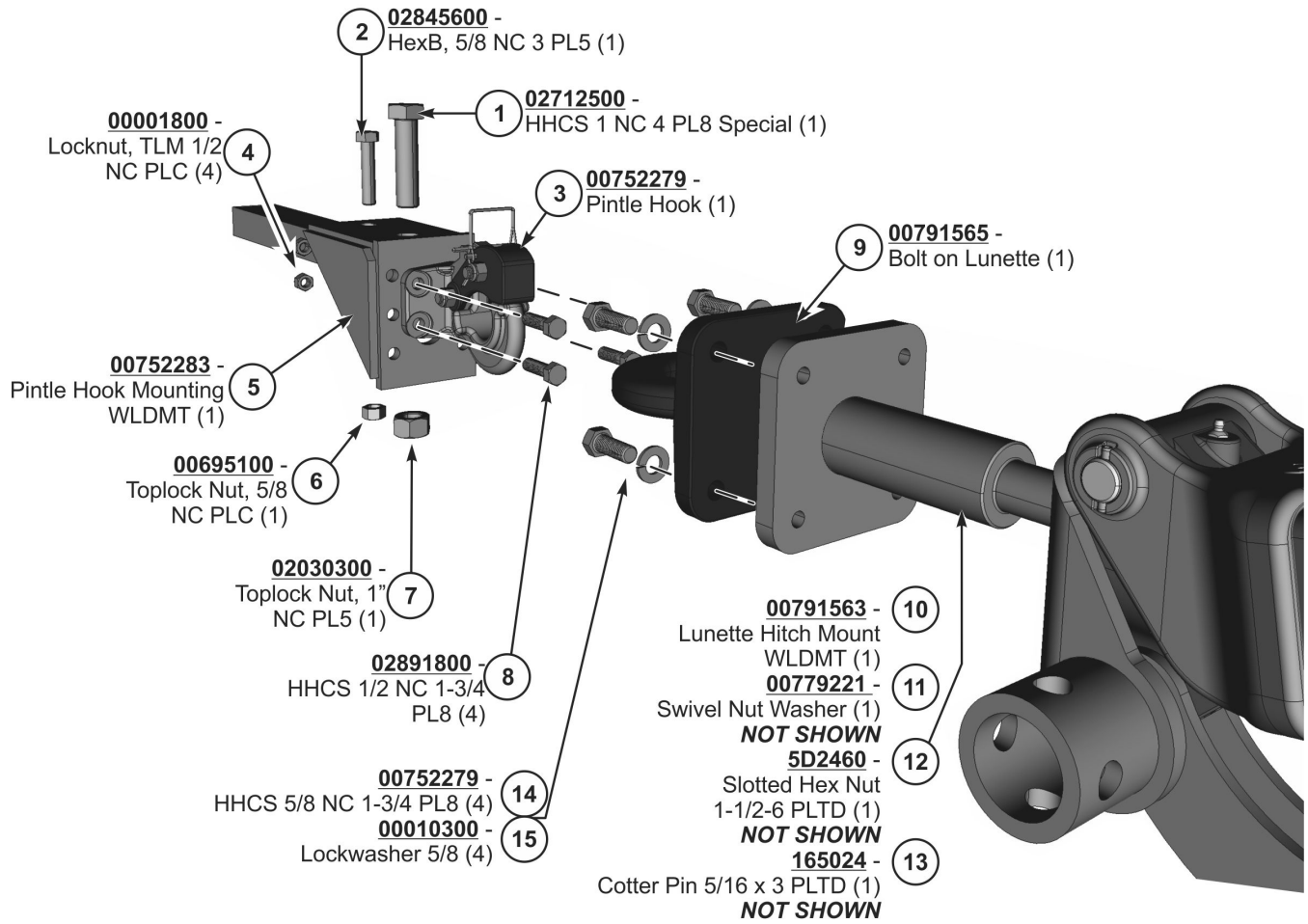
ITEM	PART NO.	QTY.	DESCRIPTION
1	00791140	1	COMPOSITE DIVIDER SHIELD (1)
2	00791182	1	RHINO DIVIDER SHIELD EMBLEM (1)
3	00791239	1	BRACKET, RIGHT SHIELD PIVOT MNT (1)
4	00791238	1	BRACKET, LEFT SHIELD PIVOT MNT (1)
5	00791353	1	GAS SPRING (1)
6	00791441	2	BALL STUD 5/16 - 18 THREAD (2)
7	00750940	2	LOCKNUT TLM 5/16 NC PLB (2)
8	00791234	1	WDMT, FRONT SHIELD PIVOT (APEX UNITS) (1)
9	00791231	1	WDMT, FRONT SHIELD PIVOT (EPIC/ICON UNITS) (1)
10	00011400	4	HEXB 3/8-16 X 1 PL5 (4)
11	03101646	4	HIGH ALLOY, L/W 3/8 YZ (4)
12	00023500	4	FLATWASHER 5/16 PL (4)
13	02958784	4	BOLT METRIC 8XP1.25X20MM PL8.8 GR.8.8 (4)
14	00791141	1	SHIELD, REAR CUTTING BOX EXT. (1)
15	00791143	1	LOWER RIGHT DRIVELINE GUARD (1)
16	00791142	1	LOWER LEFT DRIVELINE GUARD (1)
17	00791442	6	PLASTIC PUSH RIVET (6)

GEARBOX SHIELD ASSEMBLY - WING



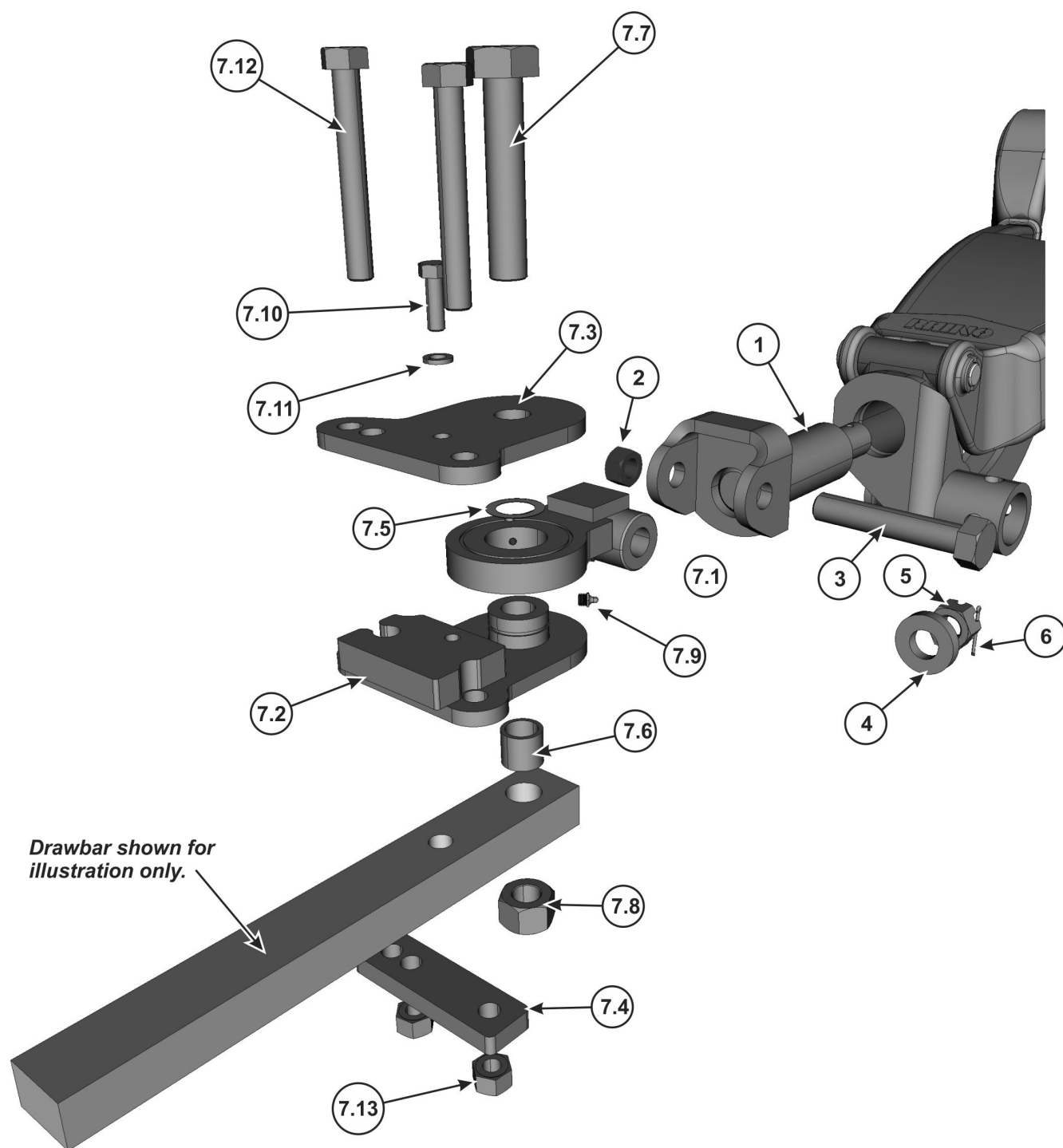
ITEM	PART NO.	QTY.	DESCRIPTION
1	00791651	4	HEXSERRATED FLANGE BOLT M8X1.25X20 PL10.9
2	50062095	1	ASY. DRIVELINE SHIELD CONE
3	329915H8C	6	NUT, HEX FLANGE SPIRALLOCK 3/4-10 (APEX)
4	00780869	6	NUT, HEX FLANGE SPIRALLOCK 3/4-10 (EPIC/ICON)
5	5312316	6	WASHER, 3/4 HARDENED (APEX)
6	00756077	6	WASHER, 5/8 HARDENED (EPIC/ICON)
7	00037100	6	HEXB, 3/4NC X 2-1/2 PL5 (APEX)
8	00750952	6	HEXB, 2-1/2NC X 5/8 GR5 (EPIC/ICON)

HITCH ASSEMBLY - PINTLE (OPTIONAL)



ITEM	PART NO.	QTY.	DESCRIPTION
1	02712500	1	HHCS 1 NC 4 PL8 SPECIAL
2	02845600	1	HEXB, 5/8 NC 3 PL5
3	00752279	1	PINTLE HOOK
4	00001800	4	LOCKNUT, TLM 1/2 NC PLC
5	00752283	1	PINTLE HOOK MOUNTING WLDMT
6	00695100	1	TOPLOCK NUT, 5/8 NC PLC
7	02030300	1	TOPLOCK NUT, 1" NC PL5
8	02891800	4	HHCS 1/2 NC 1-3/4 PL8
9	00791565	1	BOLT ON LUNETTE
10	00791563	1	LUNETTE HITCH MOUNT WLDMT
11	00779221	1	SWIVEL NUT WASHER , NOT SHOWN
12	5D2460	1	SLOTTED HEX NUT 1-1/2-6 PLTD , NOT SHOWN
13	165024	1	COTTER PIN 5/16 X 3 PLTD , NOT SHOWN
14	00752279	4	HHCS 5/8 NC 1-3/4 PL8
15	00010300	4	LOCKWASHER 5/8

HITCH ASSEMBLY - PRECISION (OPTIONAL)

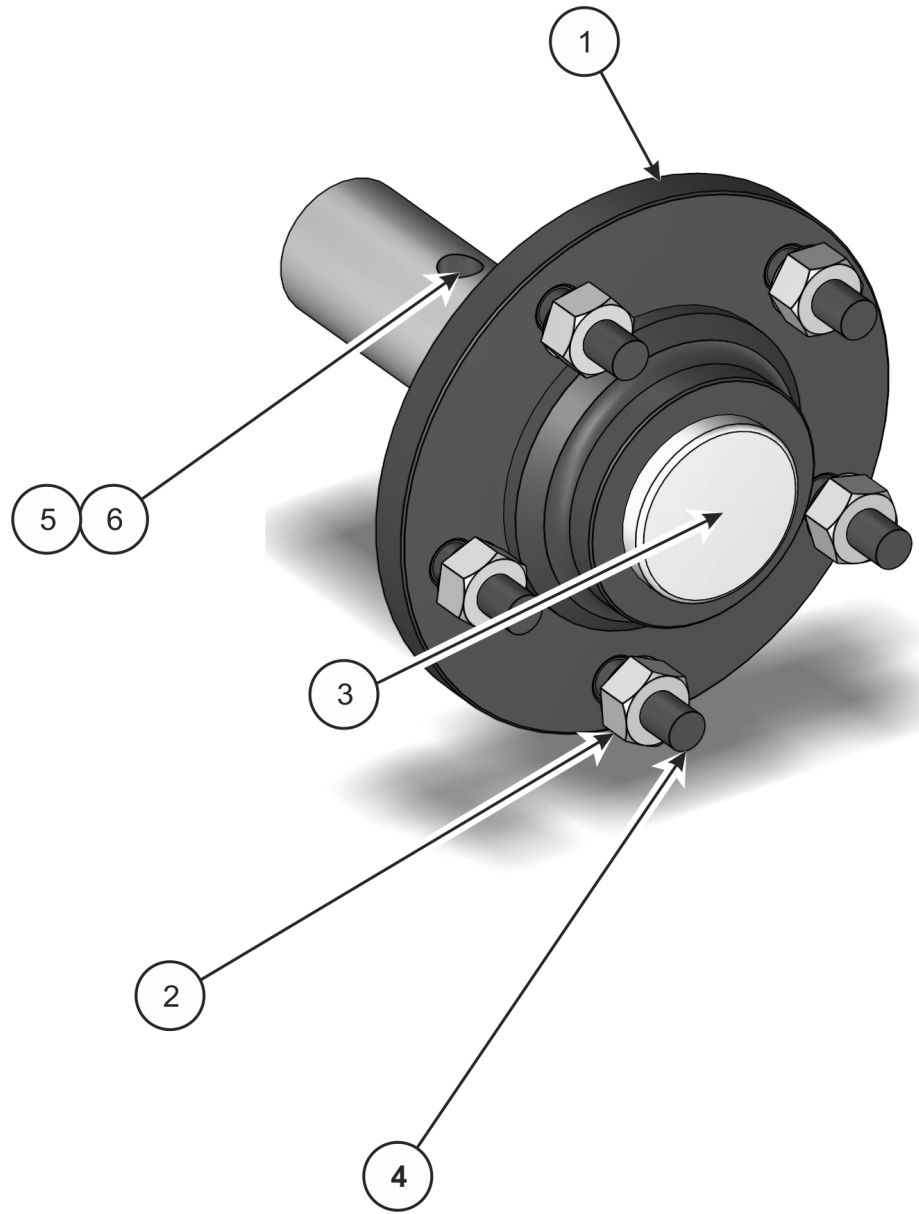


HITCH ASSEMBLY - PRECISION (OPTIONAL)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	00791559	1	WELDMENT, PRECISION HITCH MOUNT
2	5JRC1680	1	NUT TOPLOCK 1 NC PL
3	00755076	1	HHCS, 1 NC 5 1/2 PL8
4	00779221	1	PLATE, SWIVEL NUT WASHER
5	5D2460	1	NUT,HEX SLOTTED 1-1/2-6 PLATED
6	165024	1	COTTER PIN 5/16X3 PLTD
7	00786472	1	PRECISION HITCH KIT
7.1	00786475	1	PRECISION HITCH TONGUE
7.2	00786477	1	BAR, CLEVIS BASE
7.3	00786474	1	DRAWBAR CLEVIS TOP
7.4	00786478	1	CLAMP BAR
7.5	00786479	1	MACHINE BUSHING SPACER
7.6	00786476	1	SPACER, 1 1/8 ID X 1 1/2 OD X 1 1/4 LONG
7.7	00786473	1	BOLT, 1-1/8 -12UNF X 5-1/2 PL5
7.8	02978796	1	LOCKNUT, 1-1/8 - 12UNF
7.9	00003500	3	GREASE ZERK 1/8 STRAIGHT
7.1	00748823	1	HHCS 1/2-13 UNC X 1-1/2 GR.5 PL
7.11	00001300	1	WASHER, LOCK 1/2 GD8 YDP
7.12	00748598	2	HEXB 3/4-10UNC 5-1/2 PL5
7.13	00037200	2	NUT,HEX TOPLOCK 3/4 NC GR.C PL

HUB AND SPINDLE ASSEMBLY - 00790220

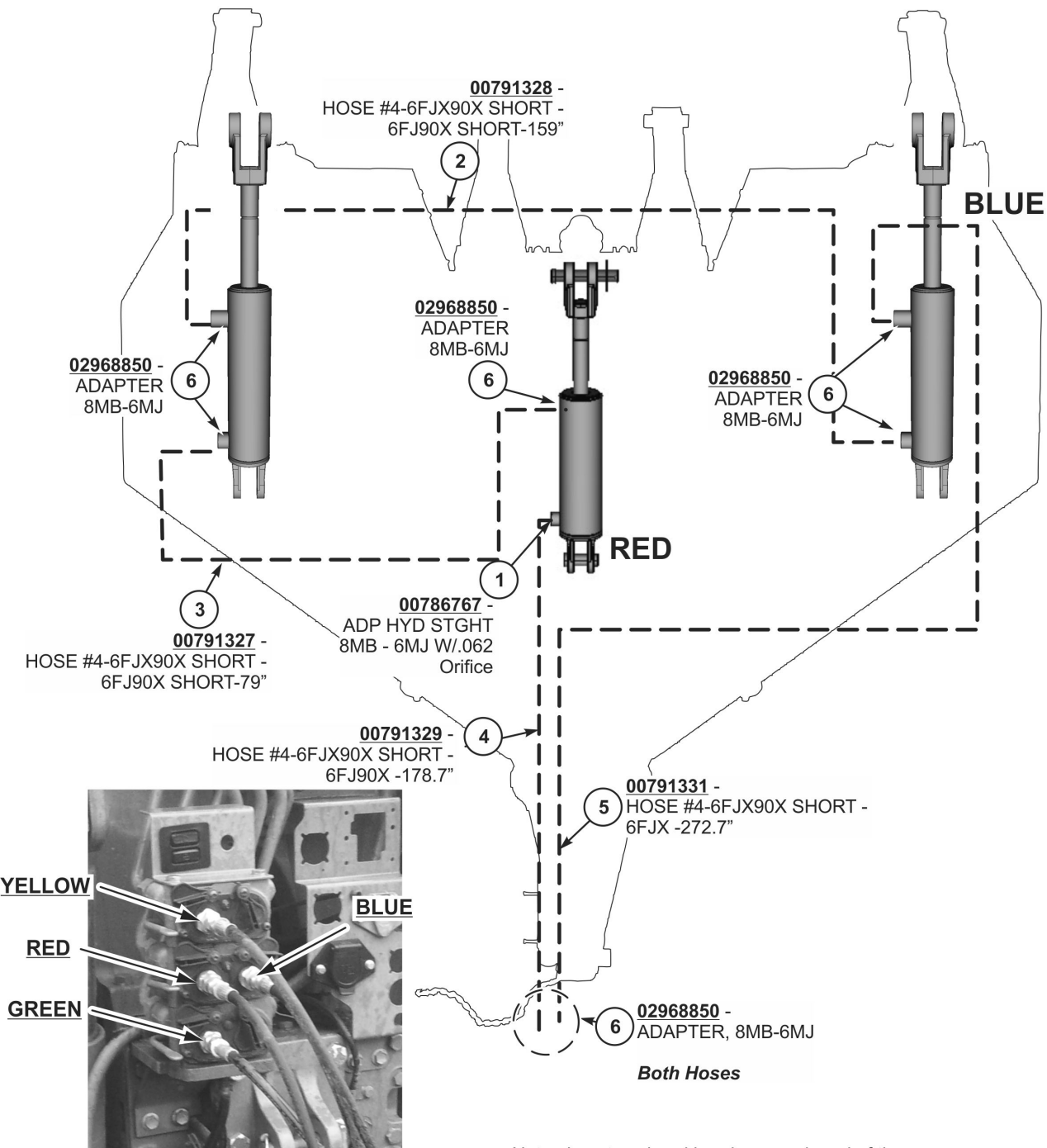


ITEM	PART NO.	QTY.	DESCRIPTION
1	00790220	1	HUB-SPINDLE (1)
2	00750614	5	NUT, 1/2-20NF 90° CONE LUG PL (5)
3	00790292	1	CAP, HUB (1)
4	0538400	5	DRIVE STUD, 1/2-20 X 1-7/8
5	00605600	1	HHCS ½ NC 3-1/4 PL5 (1)
6	00001800	1	LOCKNUT, TLM ½ NC PLC (1)

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HYDRAULIC HOSE LAYOUT - AXLE CYLINDER

AXLE CYLINDER HYDRAULIC SCHEMATIC



Note: Locate colored bands on each end of the hose indicated in the following chart.

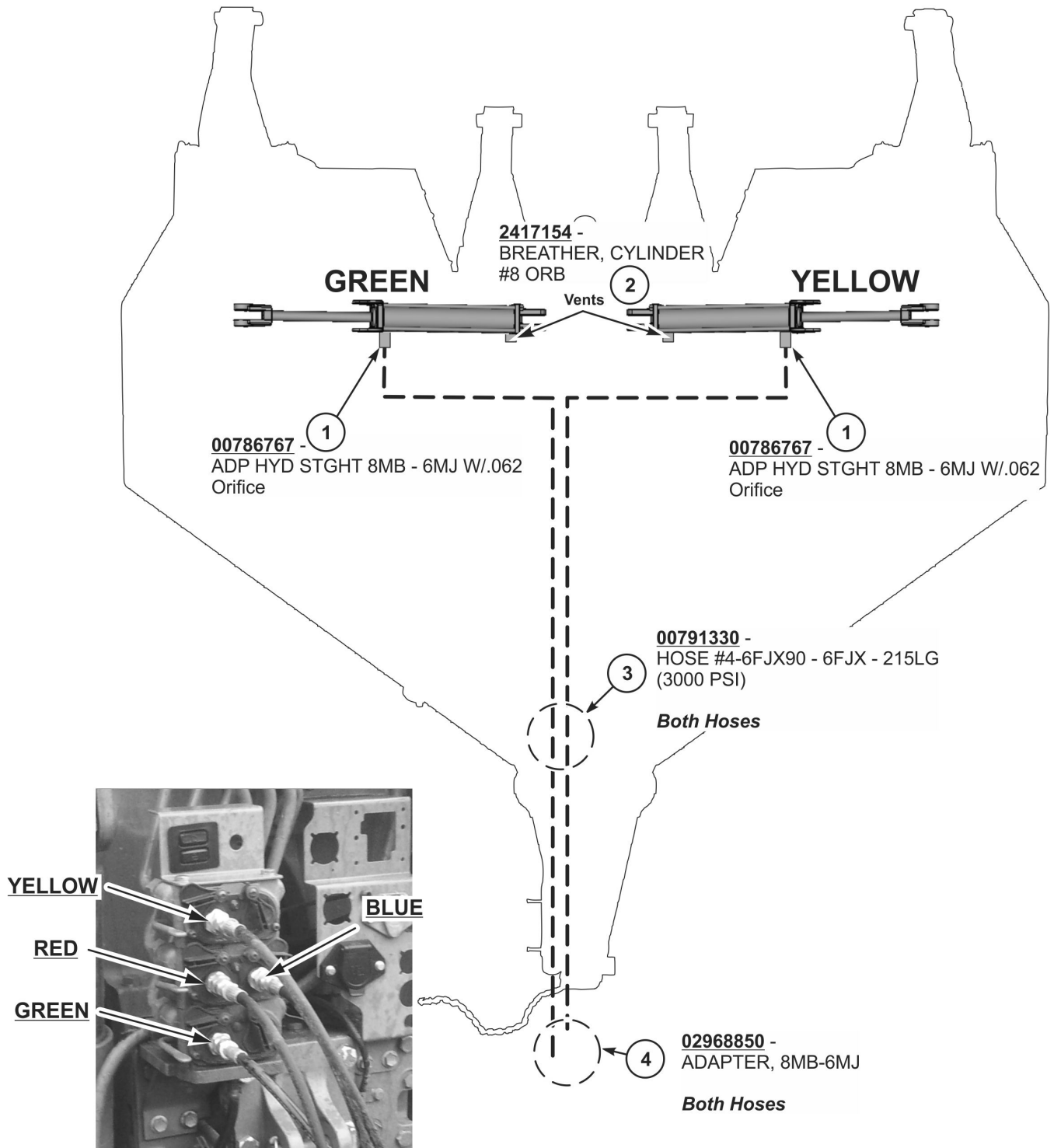
Color Identifier	Hose Part Number	Hose Length (Ref)
Red	00791329	178.7"
Blue	00791331	272.7"
Green	00791330	214.7"
Yellow	00791330	214.7"

HYDRAULIC HOSE LAYOUT - AXLE CYLINDER

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	00786767	1	ADP HYD STGHT 8MB - 6MJ W/.062 (ORIFICE)
2	00791328	1	HOSE #4-6FJX90X SHORT - 6FJ90X SHORT-159"
3	00791327	1	HOSE #4-6FJX90X SHORT - 6FJ90X SHORT-79"
4	00791329	1	HOSE #4-6FJX90X SHORT - 6FJ90X -178.7" (RED)
5	00791331	1	HOSE #4-6FJX90X SHORT - 6FJX -272.7" (BLUE)
6	02968850	7	ADAPTER, 8MB-6MJ

WING LIFT CYLINDER HYDRAULIC SCHEMATIC

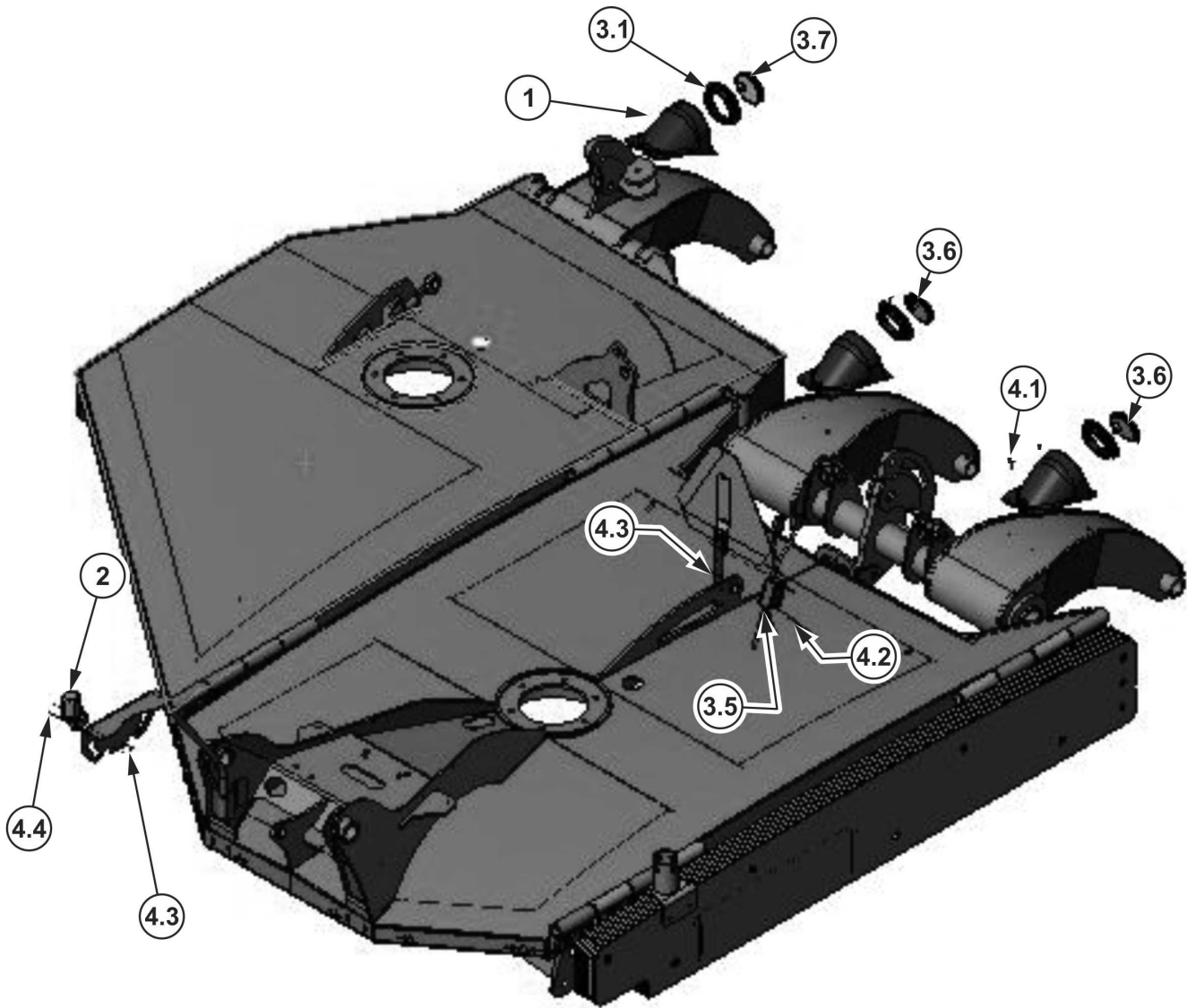


HYDRAULIC HOSE LAYOUT - WING LIFT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	00786767	2	ADP HYD STGHT 8MB - 6MJ W/.062
2	2417154	2	BREATHER, CYLINDER #8 ORB
3	00791330	2	HOSE #4-6FJX90 - 6FJX - 215LG (3000 PSI)
4	00791329	1	RED, 178.7"
5	00791331	1	BLUE, 272.7"
6	00791330	2	GREEN/YELLOW, 214.7"

LIGHT KIT - 4105



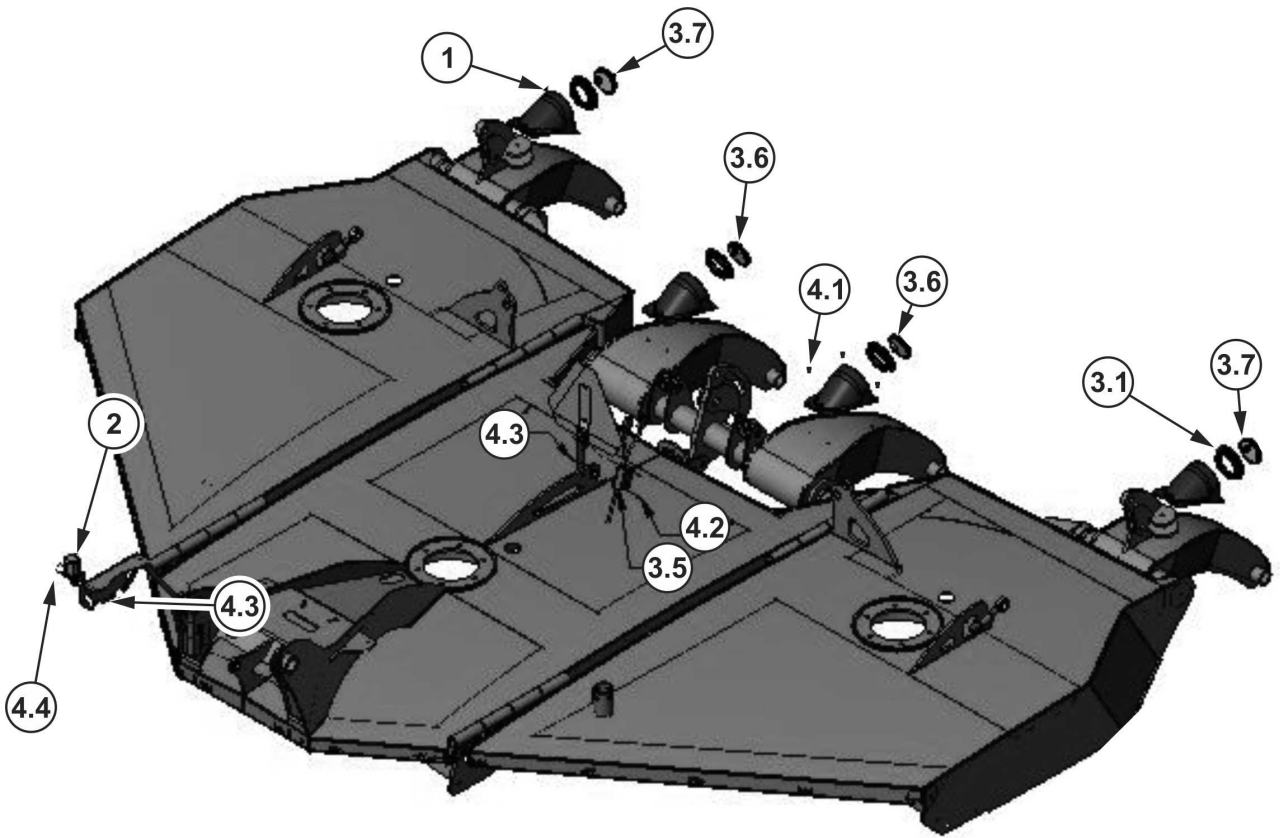
ITEM	PART NO.	QTY.	DESCRIPTION
1	00791672	3	HOUSING, 4IN ROUND LIGHT
2	2467903	1	HOLDER, 7-WAY CONNECTOR PLUG
3	00791740	1	KIT, 4" ROUND LED LIGHT - 10'
3.1	00791720	4	MOUNT, 4" ROUND GROMMET
3.2	00791724	1	HARNESS, RH WISHBONE WIRING
3.3	00791725	1	HARNESS, LH WISHBONE WIRING
3.4	00791727	1	HARNESS, MAIN WIRING
3.5	00791726	1	MODULE, AG ENHANCE FLASHER
3.6	00791719	2	LIGHT, 4" ROUND RED
3.7	00791718	2	LIGHT, 4" ROUND AMBER
4	6B1704	1	BOLT BOX, 10FT FLEXWING LIGHT BUNDLE
4.1	00780878	12	RIVET, 3/16 POP X 15/32" G.R.

LIGHT KIT - 4105

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
4.2	3263N11C	2	SCREW,PHLP PN HD 10-24 X 1 PL
4.3	329023C	4	HEX LOCKNUT #10-24
4.4	3263N6C	2	PAN HEAD SCREW 10-24 X 1/2
4.5	8137-1	6	STRAP, ADJUSTABLE
4.6	00791753	4	CABLE TIE, 3/4" ADHESIVE BACK

LIGHT KIT - 4150/4155

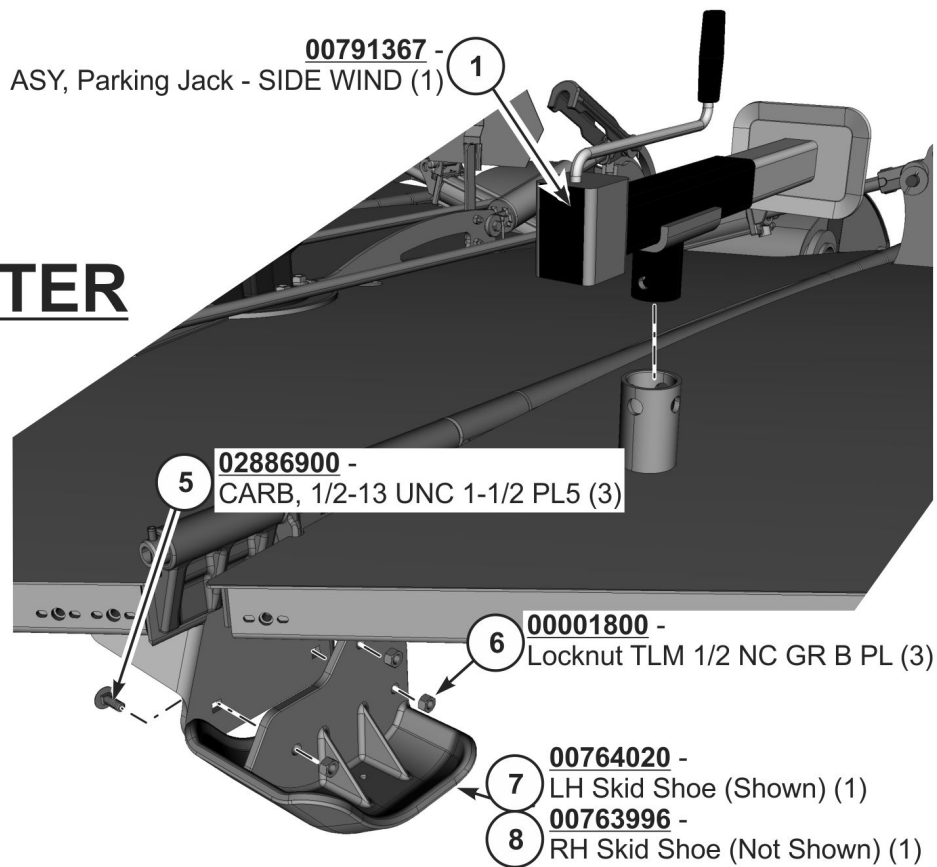


ITEM	PART NO.	QTY.	DESCRIPTION
1	00791672	4	HOUSING, 4IN ROUND LIGHT
2	2467903	1	HOLDER, 7-WAY CONNECTOR PLUG
3	00791695	1	KIT, 4" ROUND LED LIGHT - 15`
3.1	00791720	4	MOUNT, 4" ROUND GROMMET
3.2	00791724	1	HARNESS, RH WISHBONE WIRING
3.3	00791725	1	HARNESS, LH WISHBONE WIRING
3.4	00791727	1	HARNESS, MAIN WIRING
3.5	00791726	1	MODULE, AG ENHANCE FLASHER
3.6	00791719	2	LIGHT, 4" ROUND RED
3.7	00791718	2	LIGHT, 4" ROUND AMBER
4	6B1702	1	BOLT BOX, 15FT FLEXWING LIGHT BUNDLE
4.1	00780878	16	RIVET, 3/16 POP X 15/32" G.R.
4.2	3263N11C	2	SCREW,PHLP PN HD 10-24 X 1 PL
4.3	329023C	4	HEX LOCKNUT #10-24
4.4	3263N6C	2	PAN HEAD SCREW 10-24 X 1/2
4.5	8137-1	8	STRAP, ADJUSTABLE
4.6	00791753	4	CABLE TIE, 3/4" ADHESIVE BACK

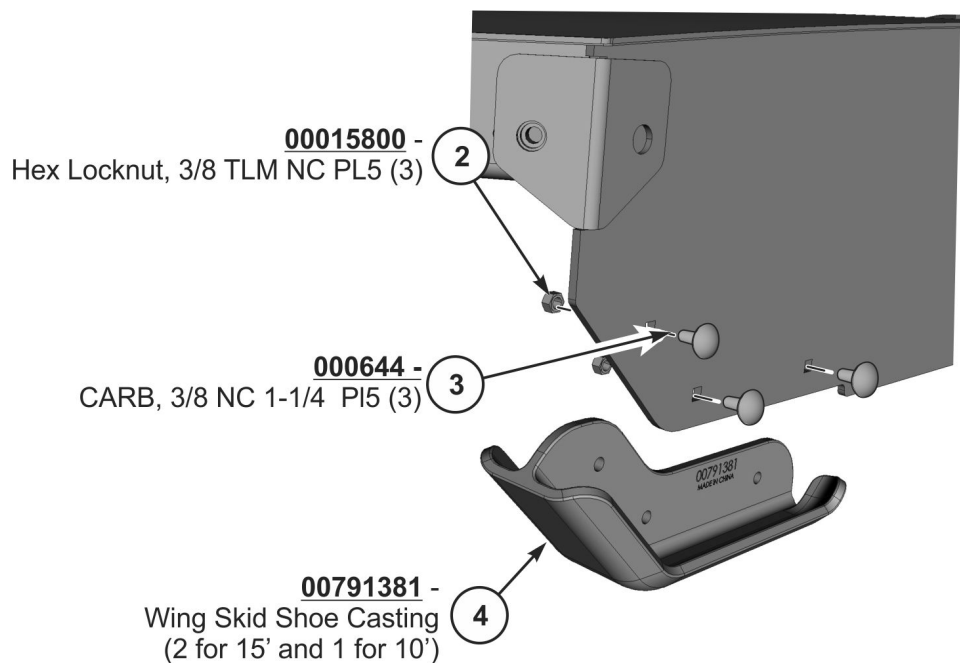
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SKID SHOE ASSEMBLY

CENTER



WING

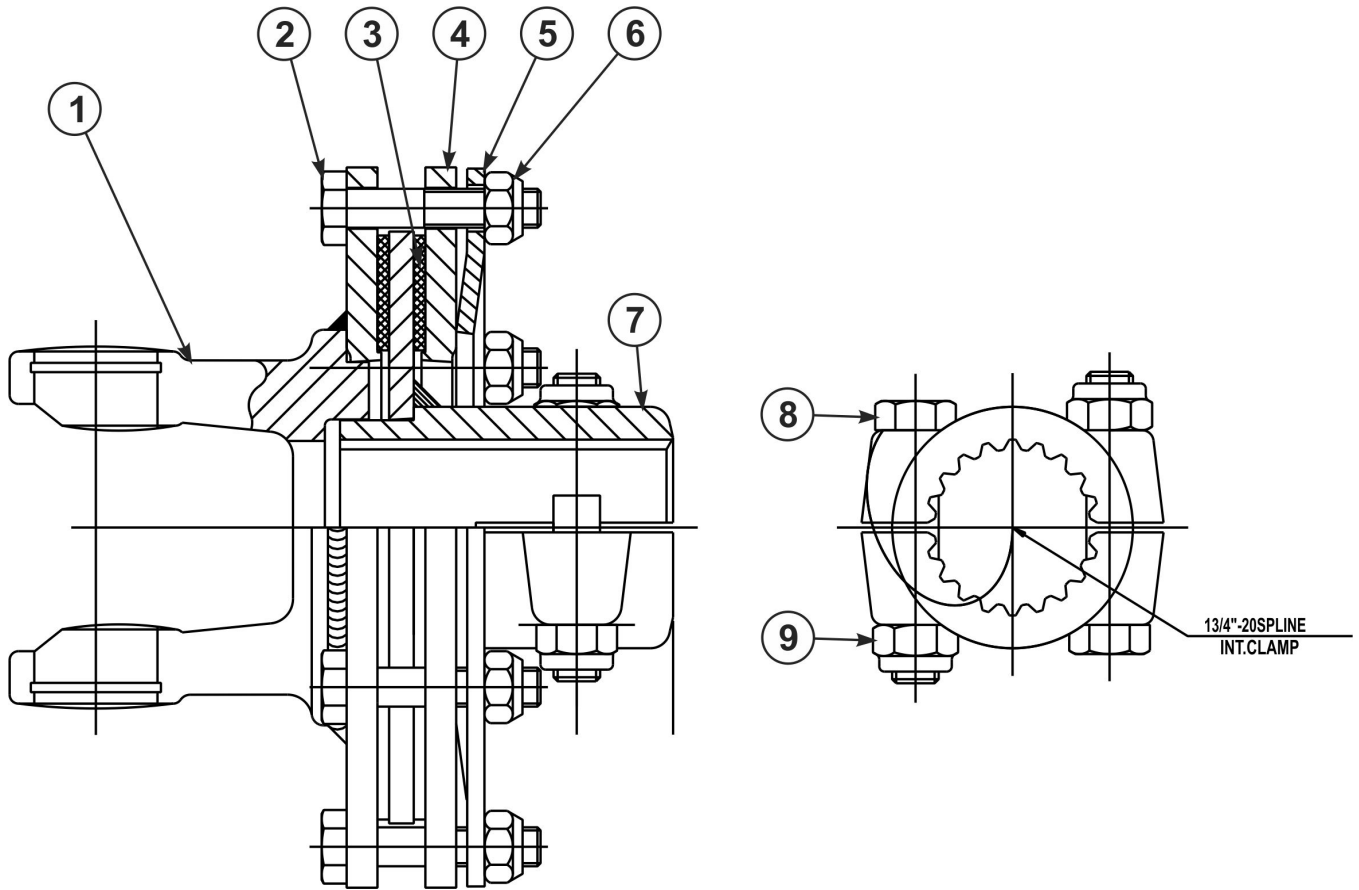


SKID SHOE ASSEMBLY

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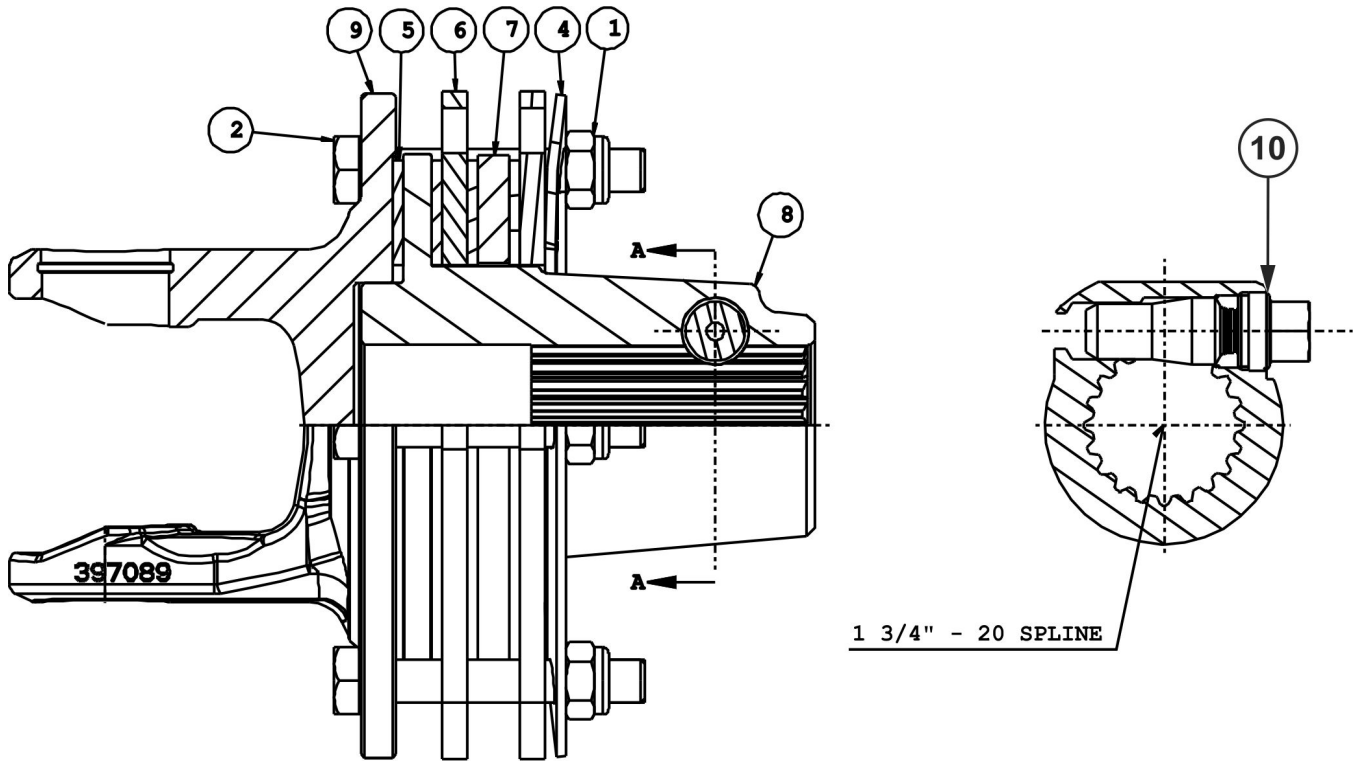
ITEM	PART NO.	QTY.	DESCRIPTION
1	00791367	1	ASY, PARKING JACK - SIDE WIND
2	00015800	3	HEX LOCKNUT, 3/8 TLM NC PL5
3	000644	3	CARB, 3/8 NC 1-1/4 PL5
4	00791381	1	WING SKID SHOE CASTING
5	02886900	3	CARB, 1/2-13 UNC 1-1/2 PL5
6	00001800	3	LOCKNUT TLM 1/2 NC GR B PL
7	00764020	1	LH SKID SHOE (SHOWN)
8	00763996	1	RH SKID SHOE (NOT SHOWN)

SLIPCLUTCH - 00775315



ITEM	PART NO.	QTY.	DESCRIPTION
1	00775321	1	FLANGE YOKE
2	00765961	6	HEX LOCKNUT M10
3	00754202	2	FRICTION DISC
4	00775323	1	THRUST PLATE
5	00775324	1	BELLEVILLE SPRING
6	61064C8	6	HEX BOLT-M10X50
7	00775322	1	HUB-1 3/4-20 I.C.
8	00772648	2	HEX LOCKNUT M12
9	61076C8	2	HEX LOCKNUT M12

SLIPCLUTCH - 00786348



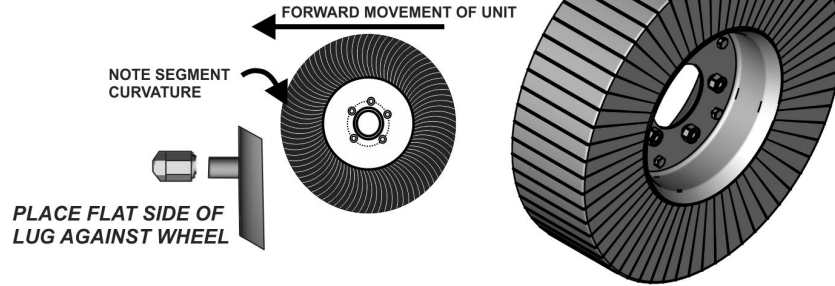
ITEM	PART NO.	QTY.	DESCRIPTION
1	00772648	9	LOCKNUT-M12
2	02971611	9	BOLT-M12 X 80
4	00786349	1	BELLEVILLE SPRING
5	00754202	4	FRICTION DISC
6	00775335	2	DRIVE PLATE
7	00779365	1	DRIVE PLATE
8	00779366	1	HUB
9	00786350	1	FLANGE YOKE
10	00774208	1	CLAMP CONE

TIRE OPTIONS

Laminated Tire & Wheel

① 00025200 - 6:00 x 9 (31 & 41 series **ONLY**)

② 00791863 - 25.5 x 6.5 x 14



Pneumatic Used Airplane Tire

③ 00791638 - 25.5 X 8-14 20 PLY

PLACE FLAT SIDE OF
LUG AGAINST WHEEL



Foam Filled Used Airplane Tire

④ 00787512 - Tire & Wheel 21 X 7 - 12 PLY (Apex **ONLY**)

⑤ 00788719 - 25.5x8x14

PLACE FLAT SIDE OF
LUG AGAINST WHEEL



Rhinotrax - Foam Filled

⑥ 00791365 - Tire & Wheel - 25 X 7-18

PLACE TAPERED SIDE OF
LUG AGAINST WHEEL

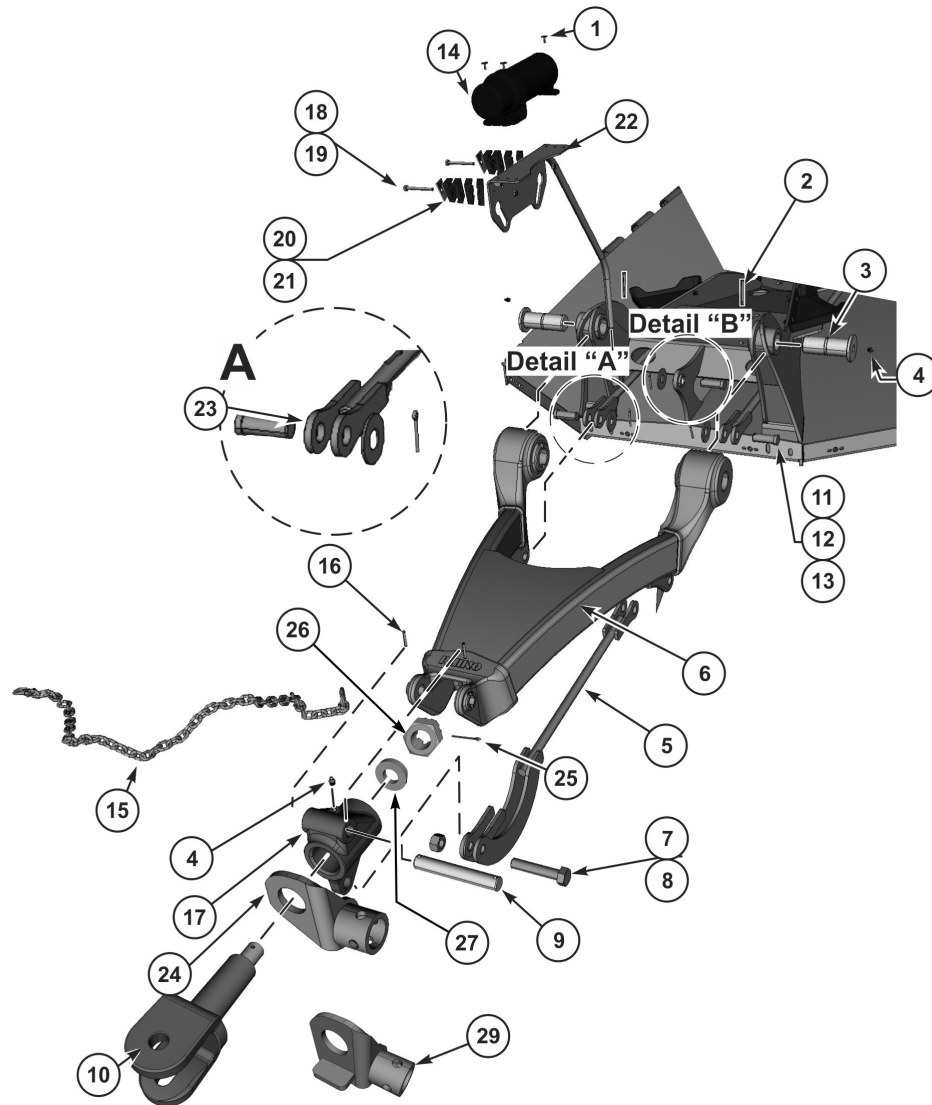


TIRE OPTIONS

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	00025200	1	LAMINATED TIRE & WHEEL 6:00 X 9 (31 SERIES UNITS)
2	00791863	1	LAMINATED TIRE & WHEEL 25.5 X 6.5 X 14
3	00791638	1	PNEUMATIC 25.5 X 8-20 PLY
4	00787512	1	FOAM FILLED 21 X 7-12 PLY (31 SERIES UNITS)
5	00788719	1	ASY,FOAM FILLED TIRE-25.5X8-14
6	00791365	1	RHINOTRAX - FOAM FILLED, 25X7-18

TONGUE ASSEMBLY



28 00791367 -
ASY., Parking Jack
Side Wind (1)
(Not Shown)

ITEM	PART NO.	QTY.	DESCRIPTION
1	00780878	1	RIVET, 3/16 POP X 15/32" G.R.
2	421011	2	PIN, ROLL 3/8 X 3
3	00791217	2	PIN, HITCH PIVOT (
4	4720	2	GREASE FITTING 1/8 NPT
5	00791220	1	WLDMT, CLEVIS CONTROL ROD
6	00791195	1	TONGUE WLDMT
7	03200267	1	HEXB, 1" NC 5 PL8
8	5JRC1680	1	NUT, TOPLOCK 1" NC PL
9	42002	3	CLEVIS PIN 1X2-1/2 PLATED
10	00791214	1	CLEVIS, HITCH ROLL - CASTING
11	00791217	3	HITCH PIVOT PIN 2
12	02822500	3	FLATWASHER 1 PL STD
13	00606000	3	COTTER PIN 3/16 X 2

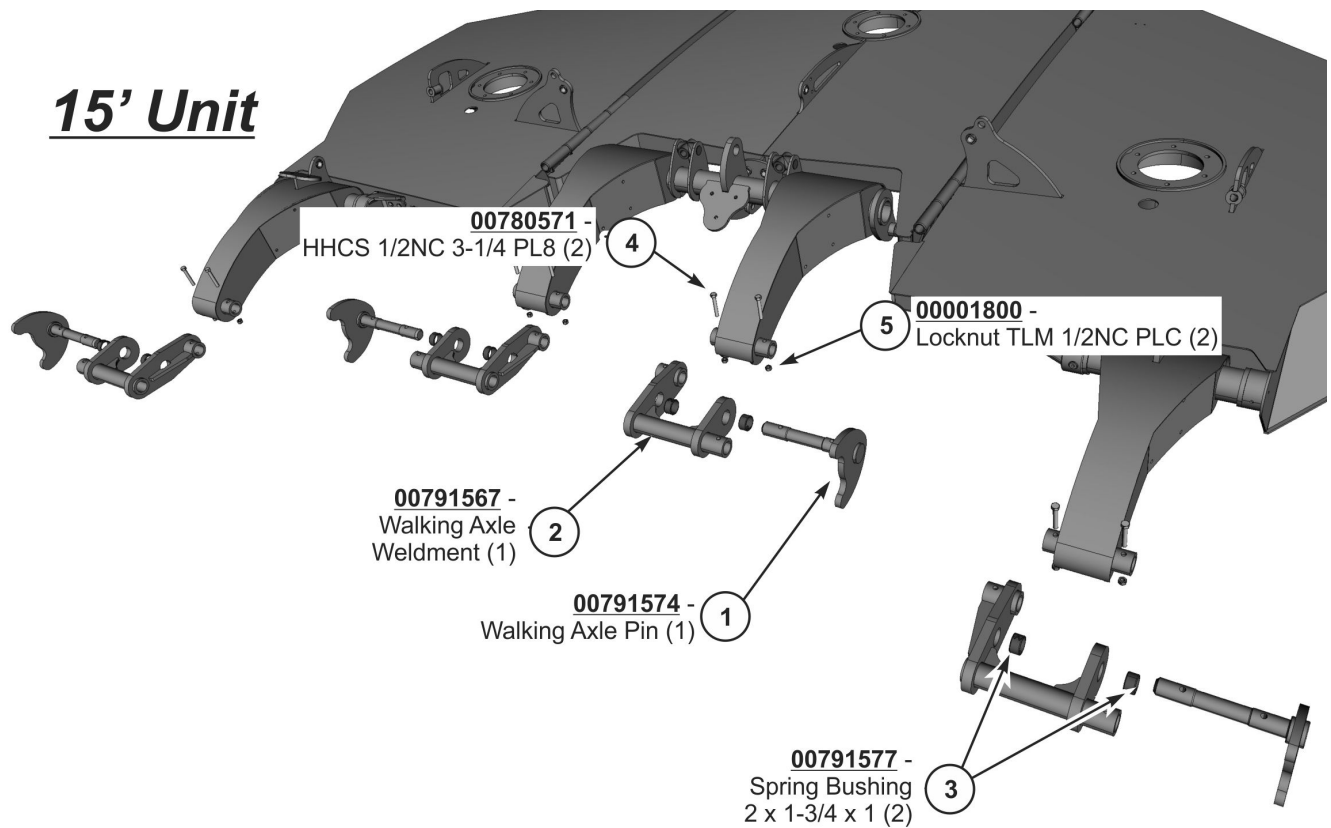
TONGUE ASSEMBLY

Continued...

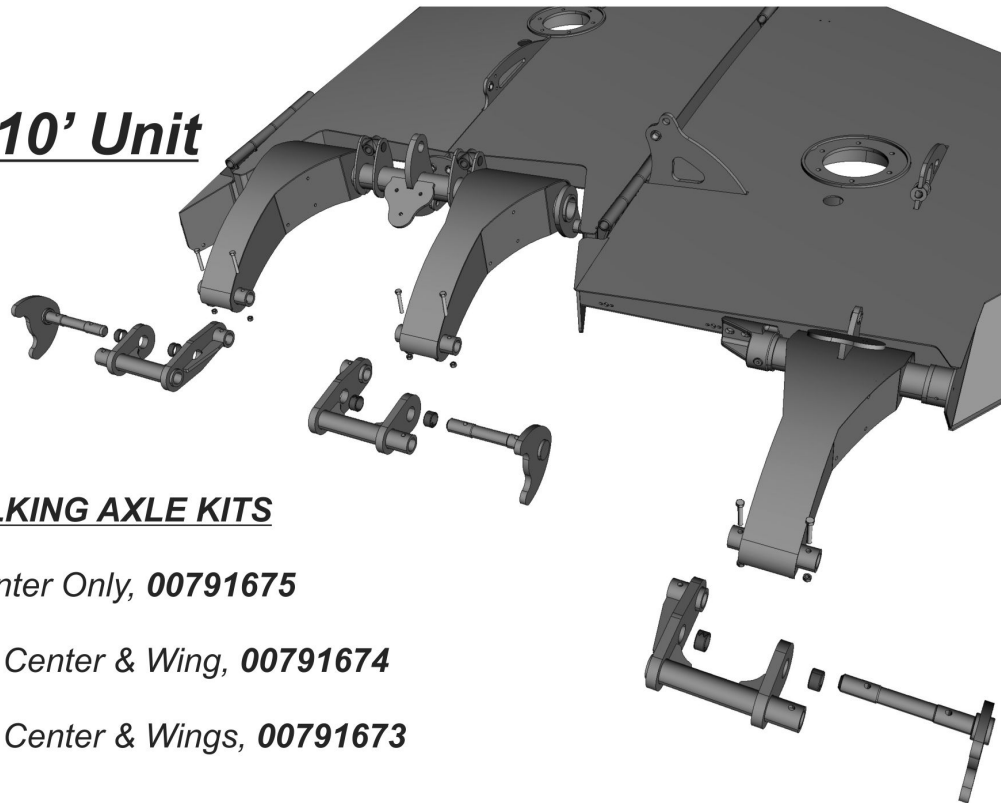
ITEM	PART NO.	QTY.	DESCRIPTION
14	00776031	1	CANISTER, PARTS MANUAL
15	00764515	1	6400LBS. SAFETY TOW CHAIN
16	5427	2	PIN, ROLL 1/4 X 1-1/2
17	00791213	1	HITCH ROLL MOUNT CASTING
18	00016300	2	HEXB, 5/16 X 3 NC GR5
19	00750940	2	NUT, TOPLOCK 5/16 NC PLB
20	2468410	2	SINGLE COVER TOP PLATE
21	00791599	8	12.7MM HOSE CLAMP
22	00791265	1	HOSE SWIVEL WLDMT
23	00791254	1	LEVEL ROD
24	00791256	1	JACK MOUNT WLDMT
25	165024	1	5/16"X 3 PL TD COTTER PIN
26	5D2460	1	SLOTTED HEX NUT1-1/2"-6 PLATED
27	00779221	1	SWIVEL NUT WASHER PLATE
28	00791367	1	ASY., PARKING JACK - SIDE WIND
29	00791772	1	OPTIONAL JACK MOUNT WLDMT

WALKING AXLE - (OPTIONAL)

15' Unit



10' Unit



WALKING AXLE KITS

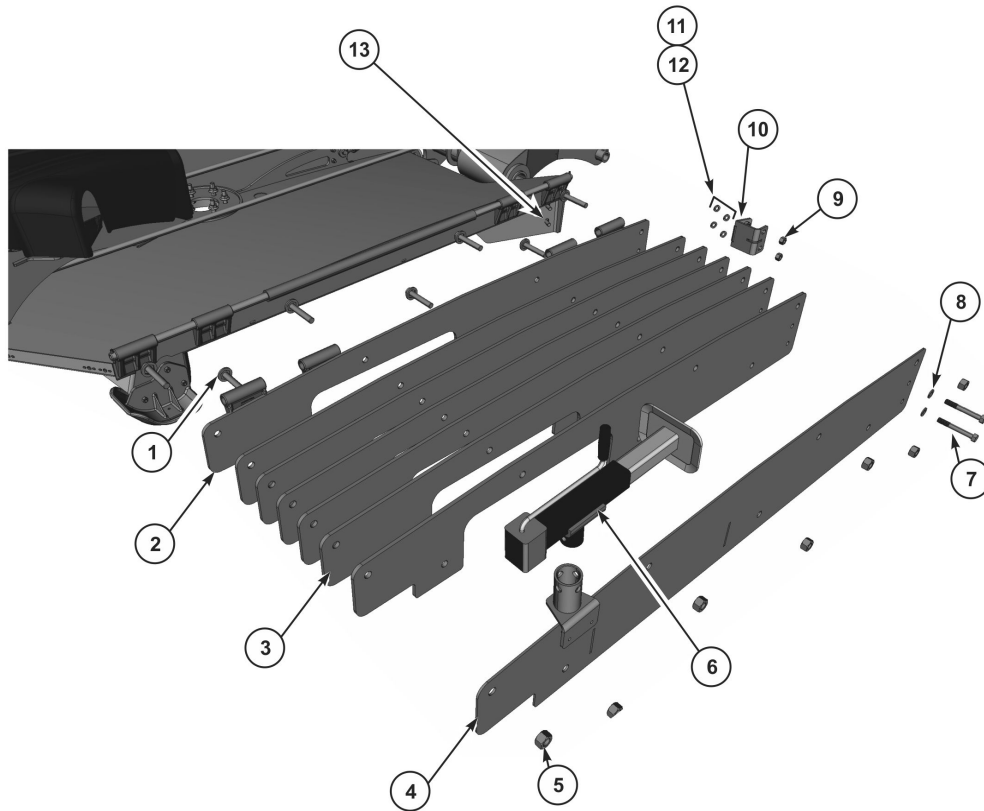
- ⑥ - Center Only, 00791675
- ⑦ - 10' Center & Wing, 00791674
- ⑧ - 15' Center & Wings, 00791673

WALKING AXLE - (OPTIONAL)

Continued...

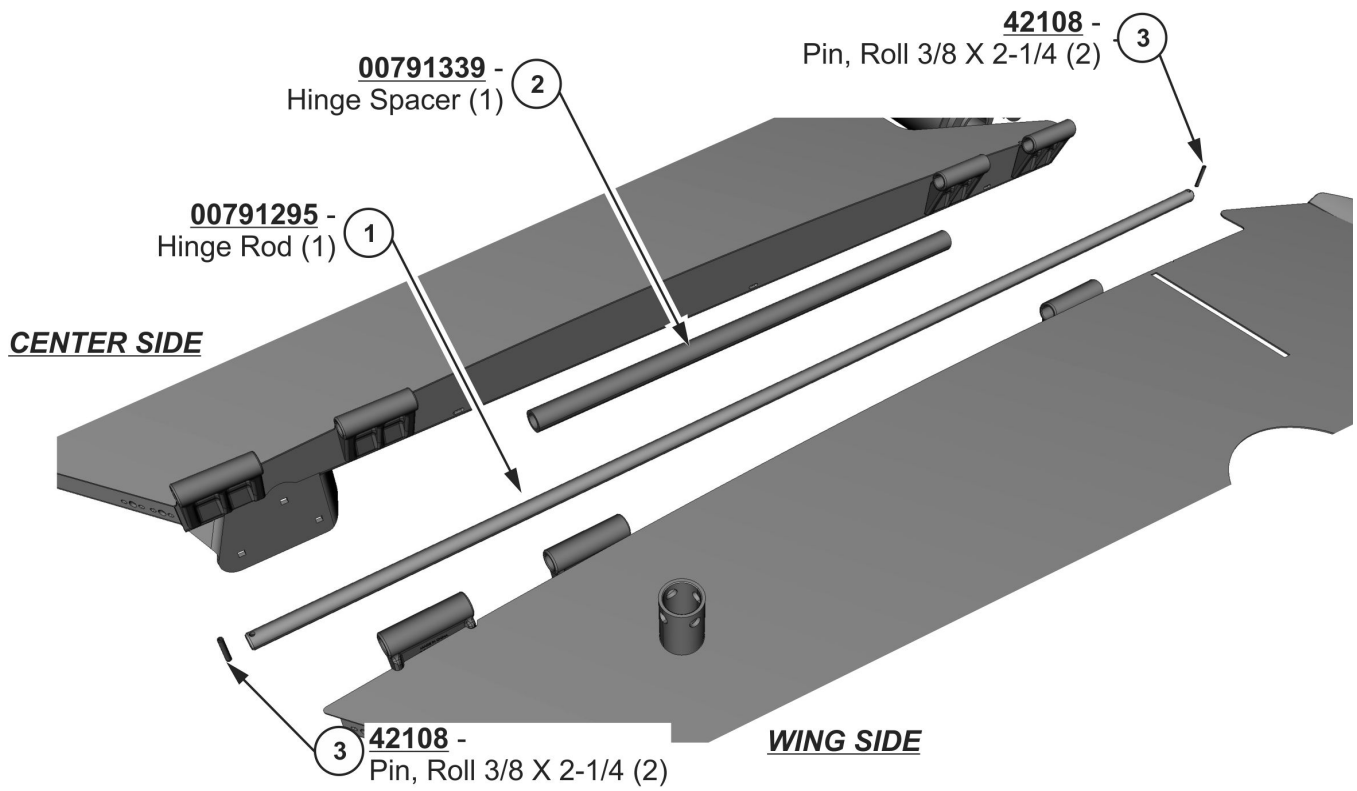
ITEM	PART NO.	QTY.	DESCRIPTION
1	00791574	1	WALKING AXLE PIN
2	00791567	1	WALKING AXLE WELDMENT
3	00791577	2	SPRING BUSHING 2 X 1-3/4 X 1
4	00780571	2	HHCS 1/2NC 3-1/4 PL8
5	00001800	2	LOCKNUT TLM 1/2NC PLC
6	00791675	1	CENTER ONLY
7	00791674	1	10' CENTER & WING
8	00791673	1	15' CENTER & WINGS

WEIGHT PLATE ASSEMBLY



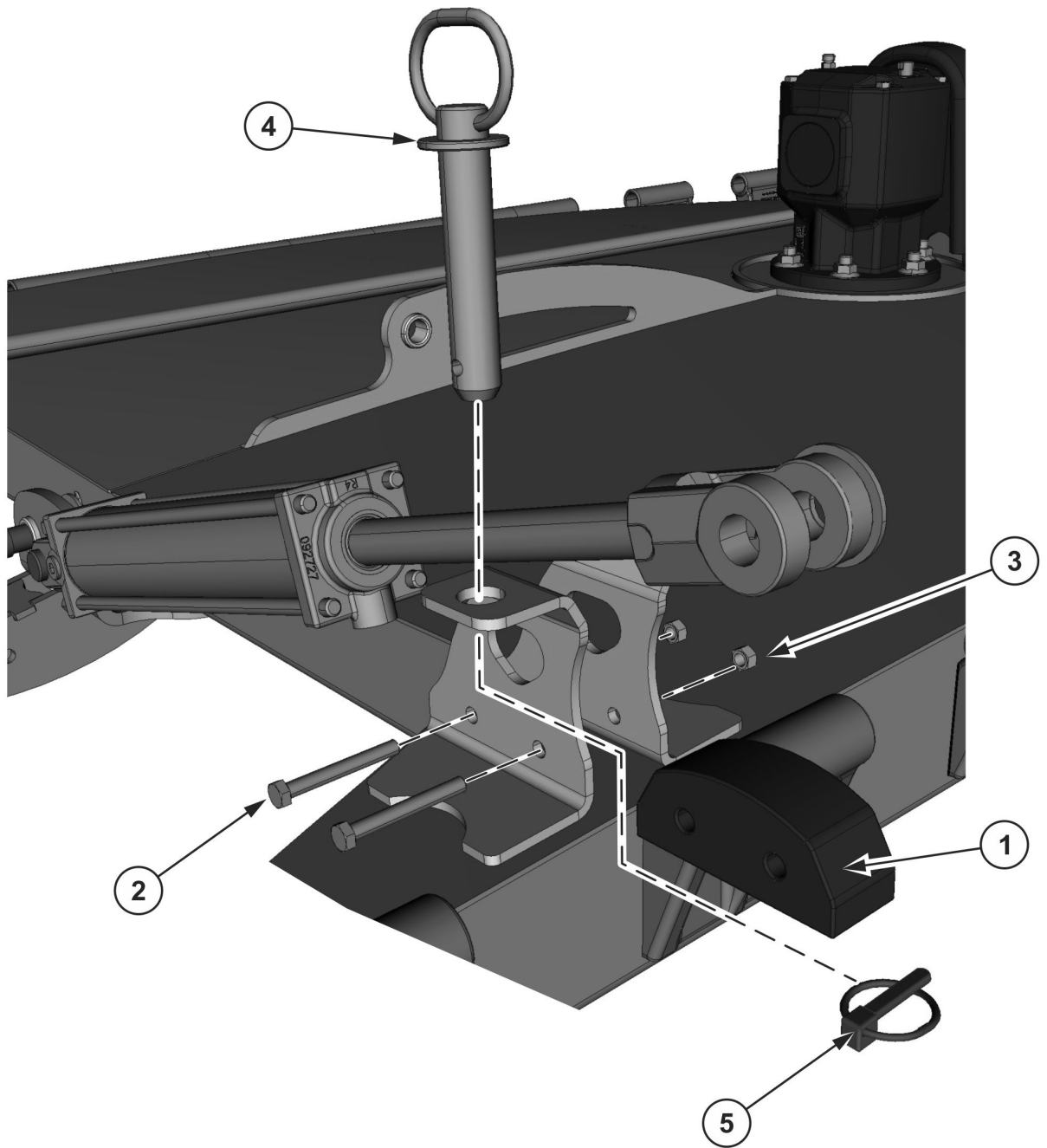
ITEM	PART NO.	QTY.	DESCRIPTION
1	00755076	7	HHCS, 1 NC 5 1/2 PL8
2	00791544	1	COUNTER WEIGHT HINGE
3	00791545	6	COUNTER WEIGHT INNER PLATE
4	00791546	1	OUTER COVER BAFFLE SUB
5	5JRC1680	8	TOPLOCK NUT 1 NC PL
6	00791367	1	SIDE WIND PARKING JACK ASSEMBLY
7	00748598	2	HEXB, 3/4-10 UNC 5-1/2 PL 5
8	00002701	2	FLATWASHER, 3/4 TYPE AW ZP
9	00037200	8	HEX TOPLOCK NUT 3/4 NC GR. C PL
10	00791437	1	COUNTER WEIGHT MOUNT
11	00003901	2	LOCKWASHER, 3/4 PL
12	00002701	2	FLATWASHER, 3/4 TYPE AW ZP
13	00037100	2	HEXB 3/4 NC 2-1/2 PL5

WING HINGE ASSEMBLY



ITEM	PART NO.	QTY.	DESCRIPTION
1	00791295	1	HINGE ROD
2	00791339	1	HINGE SPACER
3	42108	2	PIN, ROLL 3/8 X 2-1/4

WING STOP ASSEMBLY



WING STOP ASSEMBLY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	00791787	2	RUBBER WING STOP PAD
2	00059900	4	HHCS 3/8" X 3 NC GR5
3	00015800	4	HEX LOCKNUT TLM 3/8 NC PLC
4	51967	2	HITCH PIN 1.00 DIA. CLEAR ZINC PL
5	44756-1	2	LYNCH PIN 5/32 X 1-5/8 YDP

SERVIS-RHINO

LIMITED WARRANTY

1. LIMITED WARRANTIES

- 1.01.Servis-Rhino warrants for one year from the purchase date to the original non-commercial, governmental, or municipal purchaser ("Purchaser") and warrants for six months to the original commercial or industrial purchaser ("Purchaser") that the goods purchased are free from defects in material or workmanship.
- 1.02.Manufacturer will replace for the Purchaser any part or parts found, upon examination at one of its factories, to be defective under normal use and service due to defects in material or workmanship.
- 1.03.This limited warranty does not apply to any part of the goods which has been subjected to improper or abnormal use, negligence, alteration, modification, or accident, damaged due to lack of maintenance or use of wrong fuel, oil, or lubricants, or which has served its normal life. This limited warranty does not apply to any part of any internal combustion engine, or expendable items such as blades, shields, guards, or pneumatic tires except as specifically found in your Operator's Manual.
- 1.04.Except as provided herein, no employee, agent, Dealer, or other person is authorized to give any warranties of any nature on behalf of Manufacturer.

2. REMEDIES AND PROCEDURES.

- 2.01.This limited warranty is not effective unless the Purchaser returns the Registration and Warranty Form to Manufacturer within 30 days of purchase.
- 2.02.Purchaser claims must be made in writing to the Authorized Dealer ("Dealer") from whom Purchaser purchased the goods or an approved Authorized Dealer ("Dealer") within 30 days after Purchaser learns of the facts on which the claim is based.
- 2.03.Purchaser is responsible for returning the goods in question to the Dealer.
- 2.04.If after examining the goods and/or parts in question, Manufacturer finds them to be defective under normal use and service due to defects in material or workmanship, Manufacturer will:
 - (a) Repair or replace the defective goods or part(s) or
 - (b) Reimburse Purchaser for the cost of the part(s) and reasonable labor charges (as determined by Manufacturer) if Purchaser paid for the repair and/or replacement prior to the final determination of applicability of the warranty by Manufacturer.The choice of remedy shall belong to Manufacturer.
- 2.05.Purchaser is responsible for any labor charges exceeding a reasonable amount as determined by Manufacturer and for returning the goods to the Dealer, whether or not the claim is approved. Purchaser is responsible for the transportation cost for the goods or part(s) from the Dealer to the designated factory.

3. LIMITATION OF LIABILITY.

- 3.01.MANUFACTURER DISCLAIMS ANY EXPRESS (EXCEPT AS SET FORTH HEREIN) AND IMPLIED WARRANTIES WITH RESPECT TO THE GOODS INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
- 3.02.MANUFACTURER MAKES NO WARRANTY AS TO THE DESIGN, CAPABILITY, CAPACITY, OR SUITABILITY FOR USE OF THE GOODS.
- 3.03.EXCEPT AS PROVIDED HEREIN, MANUFACTURER SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO PURCHASER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS, OR DAMAGE CAUSED OR ALLEGED TO BE CAUSED DIRECTLY OR INDIRECTLY BY THE GOODS INCLUDING, BUT NOT LIMITED TO, ANY INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES RESULTING FROM THE USE OR OPERATION OF THE GOODS OR ANY BREACH OF THIS WARRANTY. NOTWITHSTANDING THE ABOVE LIMITATIONS AND WARRANTIES, MANUFACTURER'S LIABILITY HEREUNDER FOR DAMAGES INCURRED BY PURCHASER OR OTHERS SHALL NOT EXCEED THE PRICE OF THE GOODS.
- 3.04.NO ACTION ARISING OUT OF ANY CLAIMED BREACH OF THIS WARRANTY OR TRANSACTIONS UNDER THIS WARRANTY MAY BE BROUGHT MORE THAN TWO (2) YEARS AFTER THE CAUSE OF ACTION HAS OCCURRED.

4. MISCELLANEOUS.

- 4.01.Proper Venue for any lawsuits arising from or related to this limited warranty shall be only in Guadalupe County, Texas.
- 4.02.Manufacturer may waive compliance with any of the terms of this limited warranty, but no waiver of any terms shall be deemed to be a waiver of any other term.
- 4.03.If any provision of this limited warranty shall violate any applicable law and is held to be unenforceable, then the invalidity of such provision shall not invalidate any other provisions herein.
- 4.04.Applicable law may provide rights and benefits to purchaser in addition to those provided herein.

KEEP FOR YOUR RECORDS

ATTENTION: Purchaser should fill in the blanks below for his reference when buying repair parts and/or for proper machine identification when applying for warranty.

Servis-Rhino Implement Model _____ Serial Number _____

Date Purchased _____ Dealer _____

ATTENTION:
READ YOUR OPERATOR'S MANUAL

RHINO®
1020 S. Sangamon Ave.
Gibson City, IL 60936
800-446-5158
Email: parts@servis-rhino.com





TO THE OWNER/OPERATOR/DEALER

To keep your implement running efficiently and safely, read your manual thoroughly and follow these directions and the Safety Messages in this Manual. The Table of Contents clearly identifies each section where you can easily find the information you need.

The OCCUPATIONAL SAFETY AND HEALTH ACT (1928.51 Subpart C) makes these minimum safety requirements of tractor operators:

REQUIRED OF THE OWNER:

1. Provide a Roll-Over-Protective Structure that meets the requirements of this Standard; and
2. Provide Seatbelts that meet the requirements of this paragraph of this Standard and SAE J4C; and
3. Ensure that each employee uses such Seatbelt while the tractor is moving; and
4. Ensure that each employee tightens the Seatbelt sufficiently to confine the employee to the protected area provided by the ROPS.

REQUIRED OF THE OPERATOR

1. Securely fasten seatbelt if the tractor has a ROPS.
2. Where possible, avoid operating the tractor near ditches, embankments, and holes.
3. Reduce speed when turning, crossing slopes, and on rough, slick, or muddy surfaces.
4. Stay off slopes too steep for safe operation.
5. Watch where you are going - especially at row ends, on roads, and around trees.
6. Do not permit others to ride.
7. Operate the tractor smoothly - no jerky turns, starts, or stops.
8. Hitch only to the drawbar and hitch points recommended by the tractor manufacturer.
9. When the tractor is stopped, set brakes securely and use park lock, if available.



Keep children away from danger all day, every day...



Equip tractors with rollover protection (ROPS) and keep all machinery guards in place...



Please work, drive, play and live each day with care and concern for your safety and that of your family and fellow citizens.

