



TS10

FLEX-WING MECHANICAL LEVEL
LIFT ROTARY MOWER

Rev 05-18

Part No. 00793132P

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.



1020 S. Sangamon Ave.
Gibson City Il., 60936

ATENCIÓN!

Si No Lee Ingles, Pida Ayuda a Alguien
Que Si Lo Lea Para Que le Traduzca las
Medidas de Seguridad.

LEA EL INSTRUCTIVO



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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.

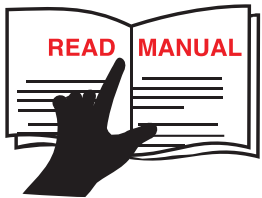
BEFORE YOU START!! Read the safety messages on the implement and shown in your manual.
Observe the rules of safety and common sense!



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.**

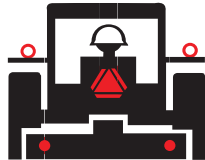


1. Study and understand Operator's Manuals, Safety Signs, and Instructional Decals for tractor & flail mower to prevent misuse, abuse, & accidents. Practice before operating mower in a confined area or near passersby.
 - Learn how to stop engine suddenly in an emergency. Be alert for passersby and especially 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:

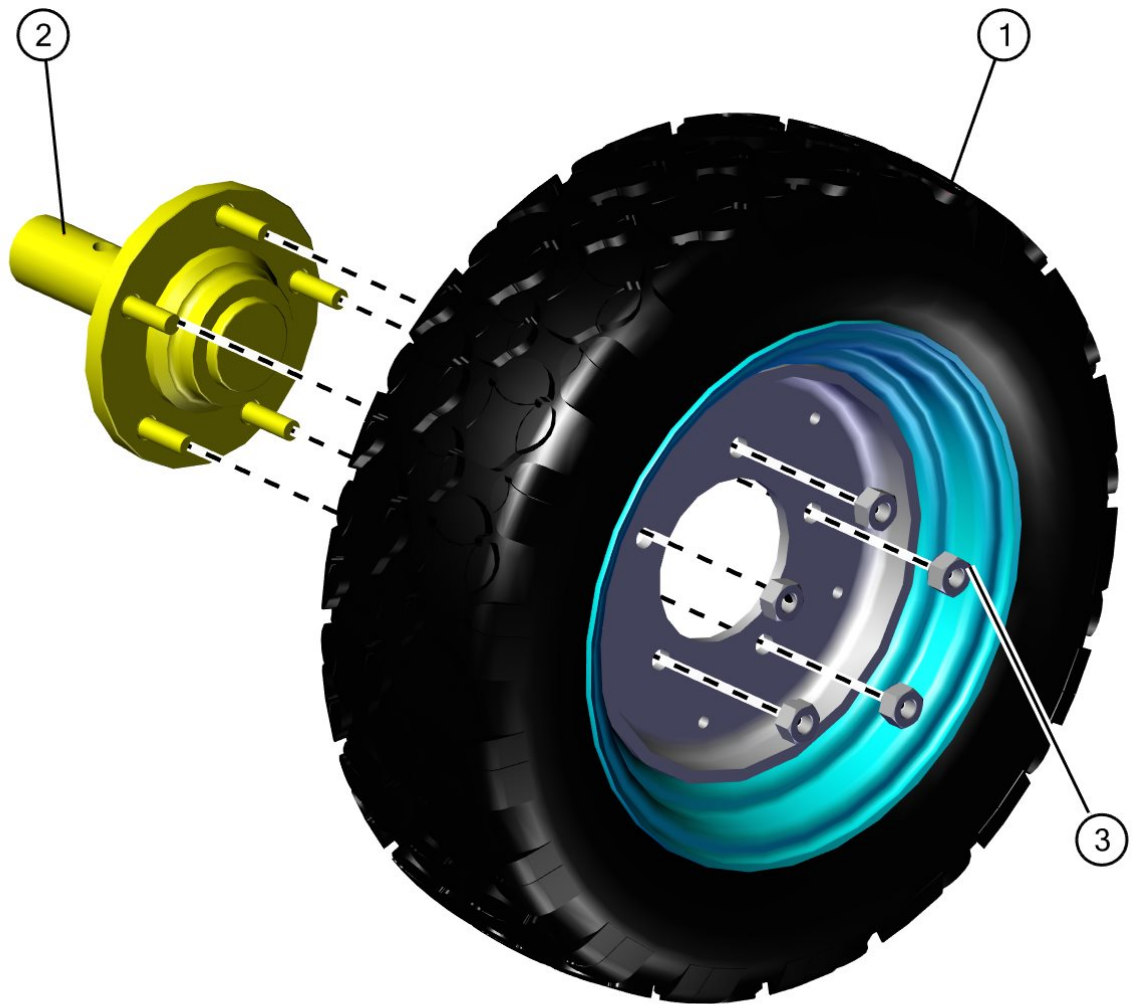


RHINO®
1020 S. Sangamon Ave.
Gibson City, IL 60936
800-446-5158
Email: parts@servis-rhino.com

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AXLE - TIRE & HUB OPTIONS

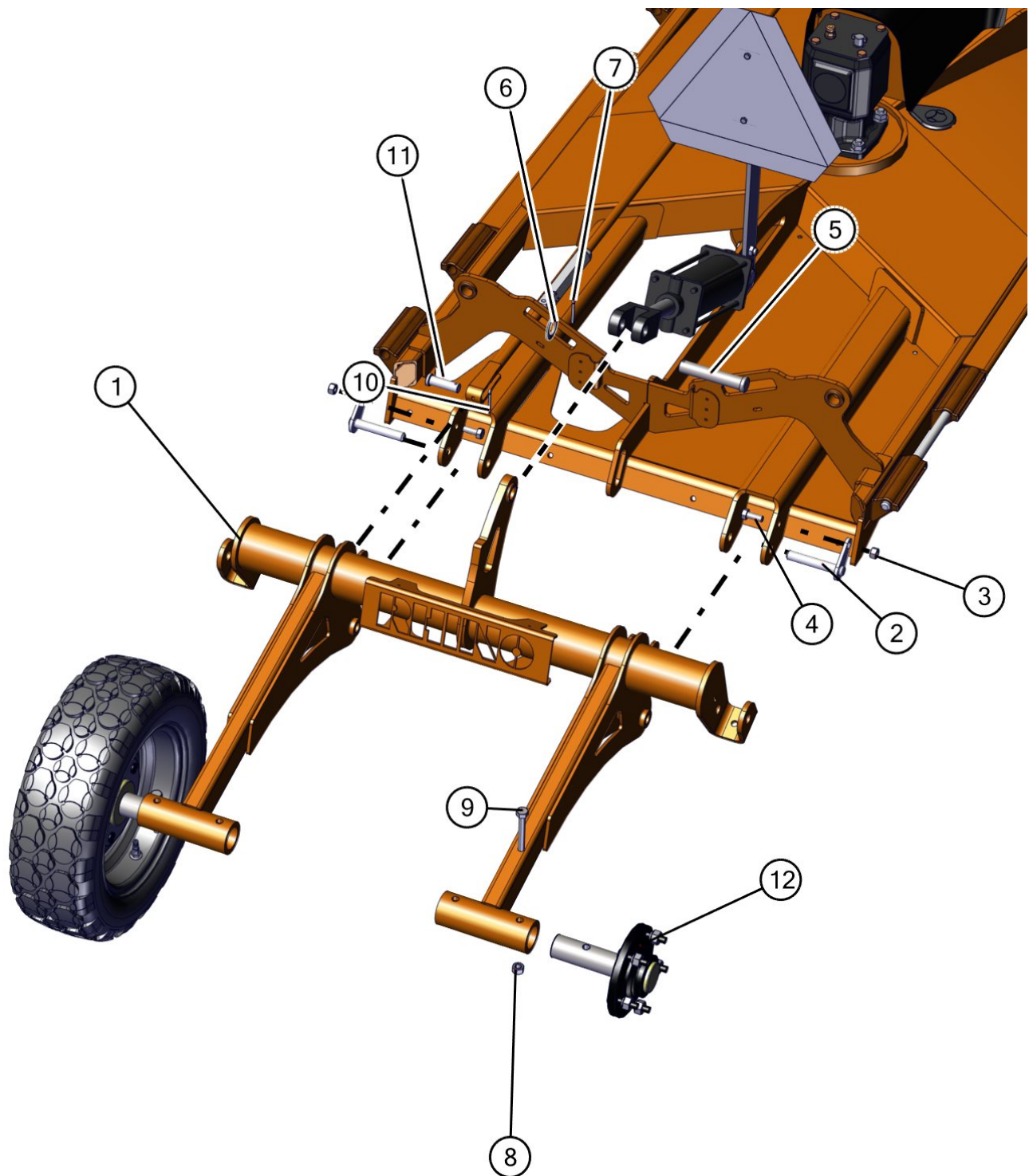


AXLE - TIRE & HUB OPTIONS

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ITEM	PART NO.	QTY.	DESCRIPTION
1	00793165	1	ASY,RHINOTRAX TIRE - 7" X 12" X 20.5"- (SHOWN) - 4 TIRES (2 CNTR 2 WING) 6 TIRES (4CNTR 2WING)
	00025200SP	1	LAMINATED - 6" X 9" X 20.75" - 4 TIRES (2 CNTR 2 WING) 6 TIRES (4CNTR 2WING)
	00790323	1	FOAM FILLED - 6.75" X 10" X 20.5" - 4 TIRES (2 CNTR 2 WING) 6 TIRES (4CNTR 2WING) ASY,HUB &
2	00790220	1	SPINDLE (DEMCO)
3	00750614	5	NUT 1/2-20NF 90DEG.CONE LUG PL

AXLE ASSEMBLY - CENTER

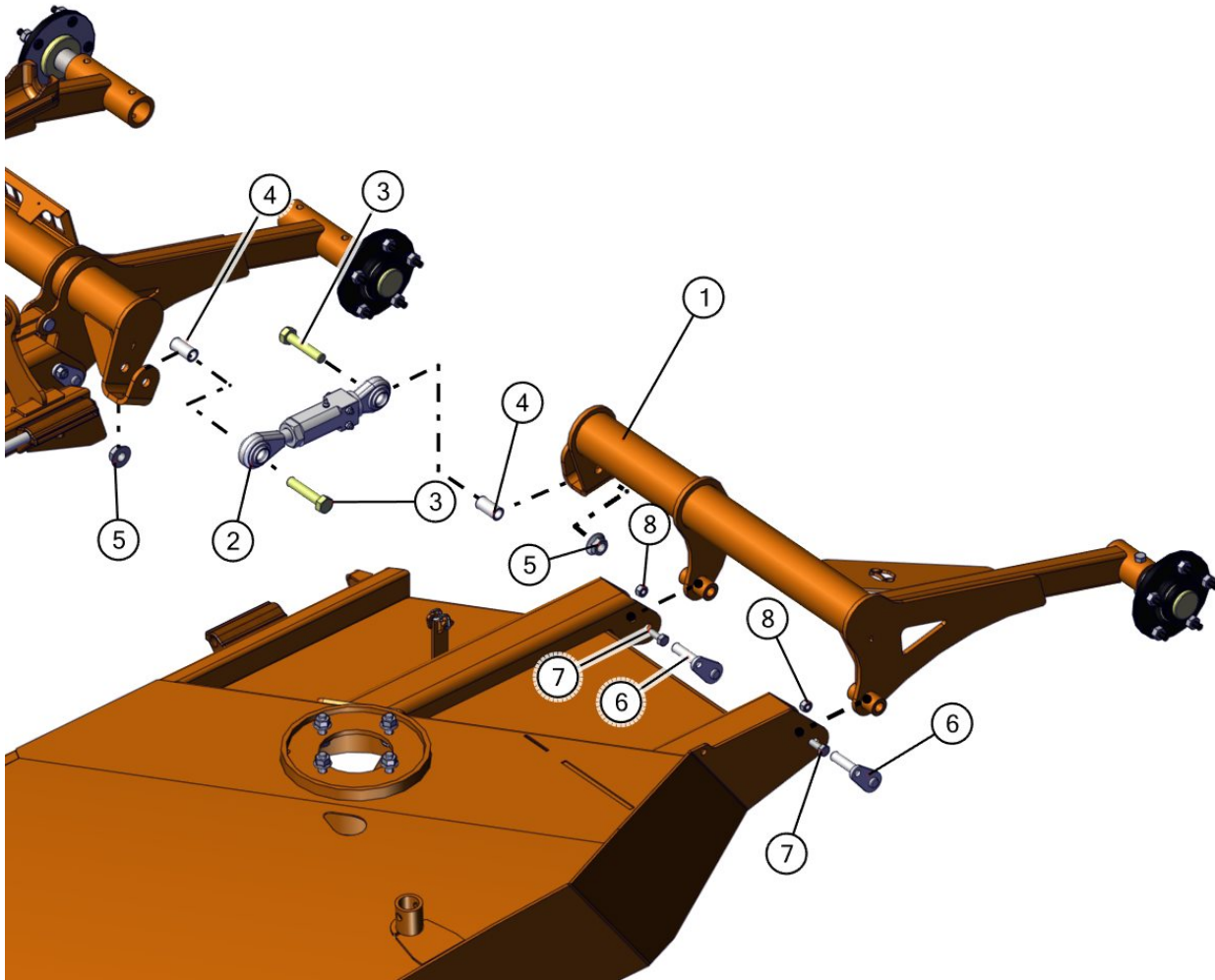


AXLE ASSEMBLY - CENTER

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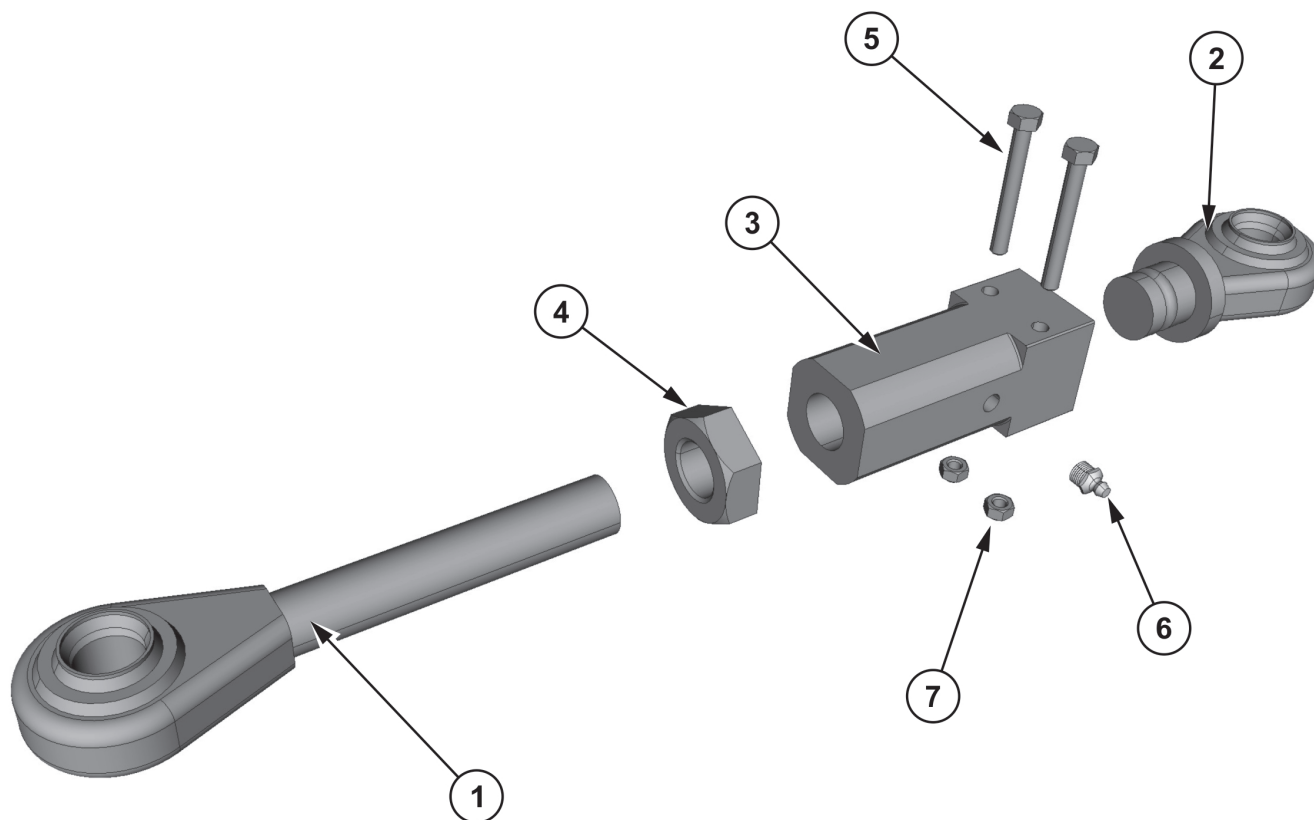
ITEM	PART NO.	QTY.	DESCRIPTION
1	00793000	1	WELDMENT, TS10 CENTER AXLE
2	00793092	2	WELDMENT PIN,AXLE PIVOT
3	00001800	2	LOCKNUT TLM 1/2 NC PLC
4	02030700	2	HHCS 1/2-13NC X 1-1/4 GR5 PL
5	420011	1	PIN, CLEVIS 1 X 5 PL
6	15B1600	1	WASHER 1" SAE PLT
7	00606000	1	PIN, COTTER 3/16 X 2"
8	00001800	1	LOCKNUT TLM 1/2 NC PLC (QTY = PER AXLE)
9	00605600	1	HHCS 1/2 NC 3-1/4 PL5 (QTY = PER AXLE)
10	00755153	2	PIN,COTTER 3/16 X 1-1/2 PLATED
11	00793057	1	PIN 3/4" CLEVIS PIN
12	00790220	2	ASY, HUB & SPINDLE (QTY = PER AXLE) - SEE AXLE TIRE & HUB ASSEMBLY PAGE FOR BRKDN

AXLE ASSEMBLY - WING



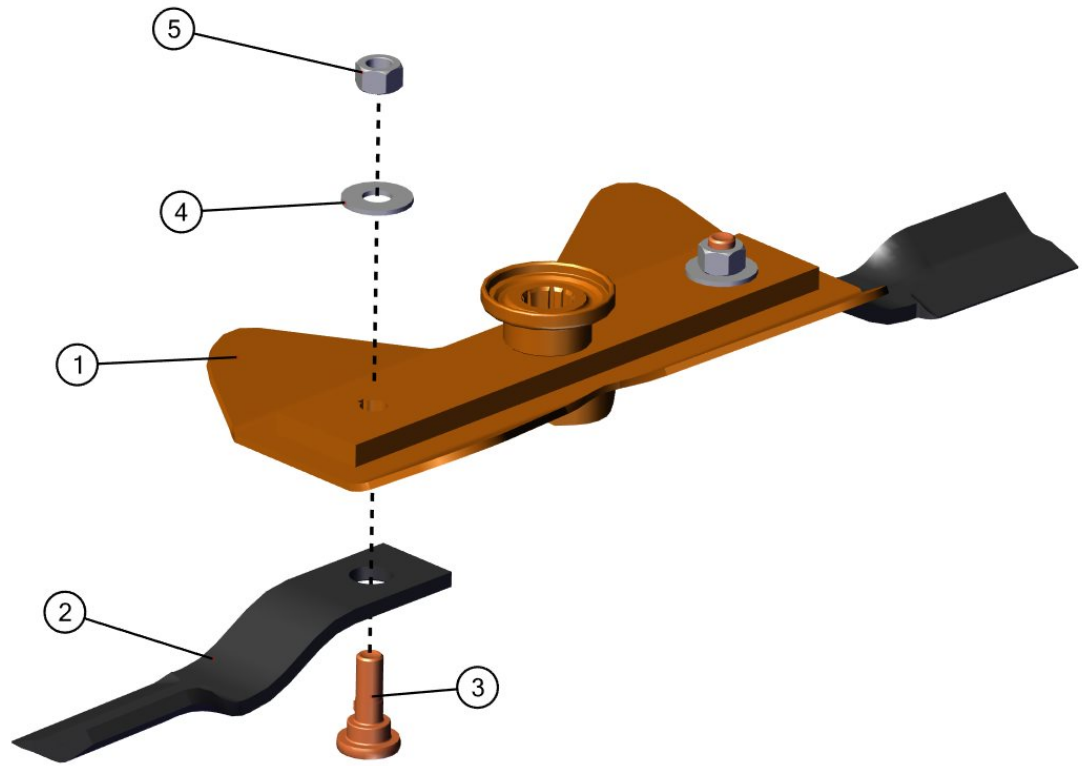
ITEM	PART NO.	QTY.	DESCRIPTION
1	00793060	1	WELDMENT, LEFT WING AXLE
	00793061	1	WELDMENT, RIGHT WING AXLE
2	00763449	1	ASY,SWIVEL TURNBUCKLE (SEE NEXT PAGE FOR BREAKDOWN)
3	02881000	2	HHCS 3/4 NC 3-1/2 PL5
4	00793058	2	BUSHING, TURNBUCKLE MOUNT ZP
5	329915H8C	2	NUT, HEX FLANGE-SPIRALLOCK 3/4-10
6	00793092	2	WELDMENT, AXLE PIVOT PIN ZP
7	02030700	2	HHCS 1/2-13NC X 1-1/4 GR5 PL
8	00001800	2	LOCKNUT TLM 1/2 NC PLC

AXLE TURNBUCKLE ASSEMBLY - 00763449



ITEM	PART NO.	QTY.	DESCRIPTION
1	00763447	1	TOP LINK - THREADED
2	00763962	1	TOP LINK - WLDMT
3	00763450A	1	TURNBUCKLE
4	02012200	1	NUT, 1 1/8 NC JAM NUT
5	02152800	2	5/16 X 2-1/2 NC GR 5 PL
6	00780848	1	GREASE FITTING 1/8" BSP
7	00750940	2	5/16 NC LOCK NUT

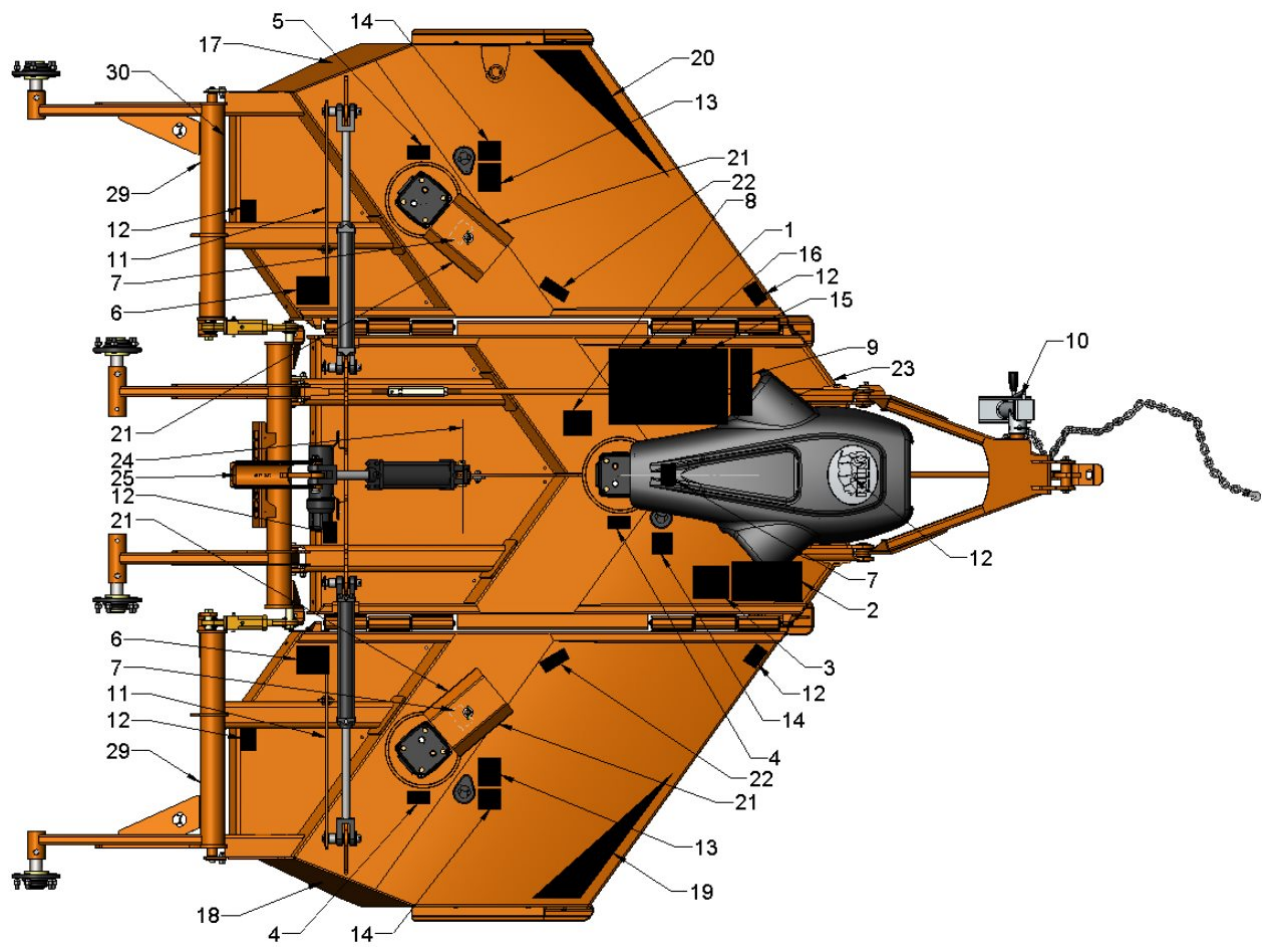
BLADE CARRIER ASSEMBLY



ITEM	PART NO.	QTY.	DESCRIPTION
1	00790004	3	WELDMENT, TS WING BAR
2	00781343	2	BLADE, FAN CCW, 16-1/2 CTR-TIP - CNTR
	00793133	2	BLADE, CW 13-1/2" UPLIFT - LH
	00793152	2	BLADE, CCW 13-1/2 CTR-TIP - RH
3	00781320	6	BLADE BOLT 7/8 DIA X 3 LG
4	00761535	6	WASHER, 7/8" STRUCTURAL - PLAIN
5	00750226	6	NUT TOPLOCK 7/8 NF PLC
6	00791877	1	BLADE BOLT KIT

BLANK INTENTIONALLY

DECALS



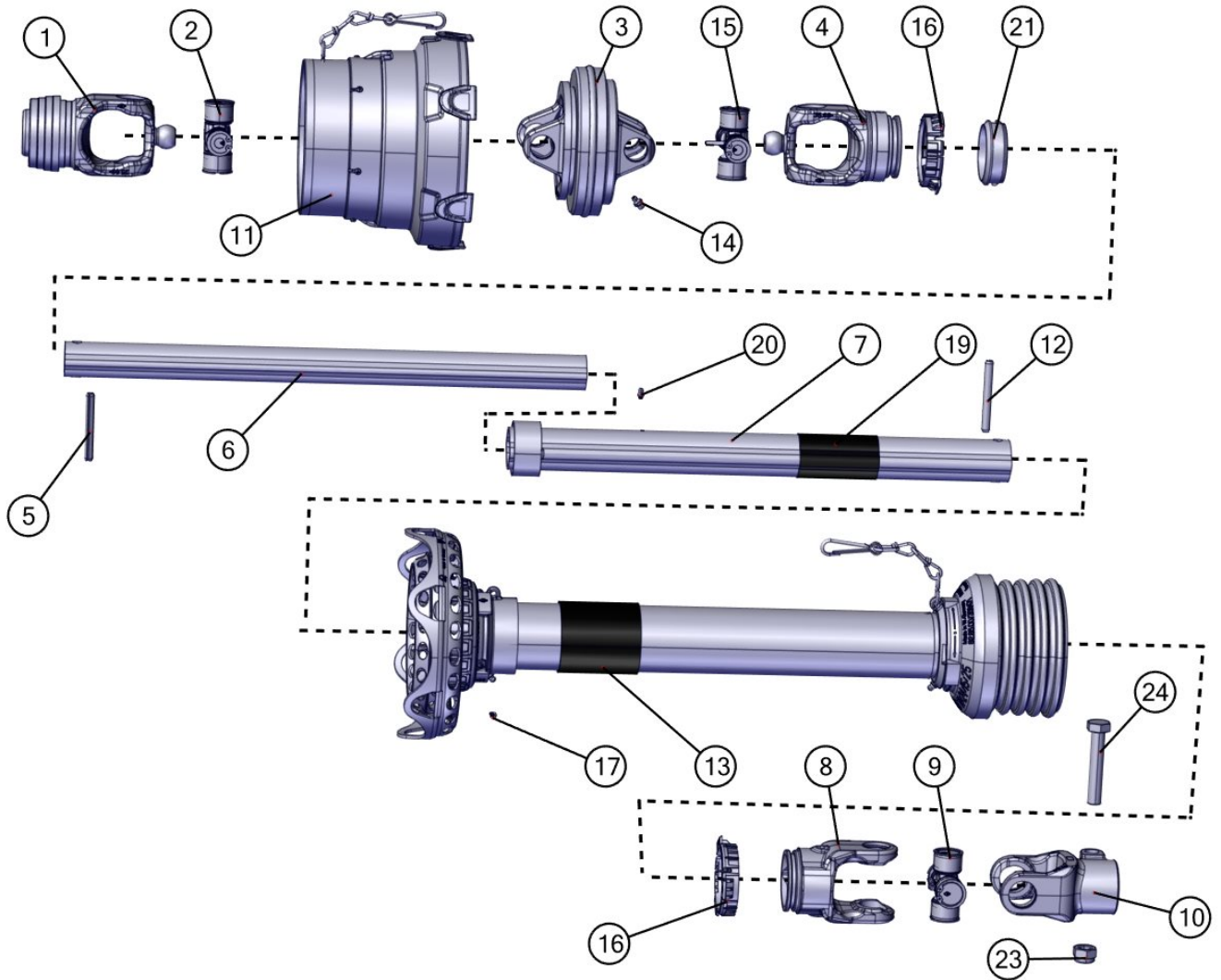
DECALS

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ITEM	PART NO.	QTY.	DESCRIPTION
1	D389	1	MULTI HAZARD
2	D390	1	PULL TYPE UNIT HAZARDS
3	D388	1	DRIVELINE HAZARDS
4	D137	2	CCW BLADE ATTACHMENT
5	D138	1	CW BLADE ATTACHMENT
6	00753840	2	WING LOWERING SAFETY
7	00756004	3	SHIELD MISSING
8	00792308	1	GEARBOX
	00793172	1	GEARBOX
9	00760657	1	GENUINE RHINO PARTS
10	D518	1	JACK POSITIONING
11	D539	2	CRUSHING HAZARD - LOCK
12	D614	6	THROWN OBJECT SHIELD MISSING
13	D615	2	CRUSHING HAZARD
14	D395	3	TORQUE BLADE BOLT 300 LBS
15	D588	1	LUBE CHART
16	D814	1	MULTI LANGUAGE
17	00793161	1	BRAND
18	00793162	1	BRAND
19	00793163	1	TS10
20	00793164	1	TS10
21	00793154	4	RHINO W/ANIMAL
22	00756005	2	ROTATING DRIVELINE
23	NFS	1	SERIAL NUMBER PLATE
24	03200347	1	SMV
25	D520	1	TRANSPORT LATCH
26	00776031	1	CANISTER, OPERATORS MANUAL
27	00780878	3	RIVET
28	00793132C	1	OPERATOR'S MANUAL (INSIDE CANISTER)
29	1458392	2	RED REFLECTOR
30	1458393	1	AMBER REFLECTOR

TS10

DRIVELINE - CV - 00793155

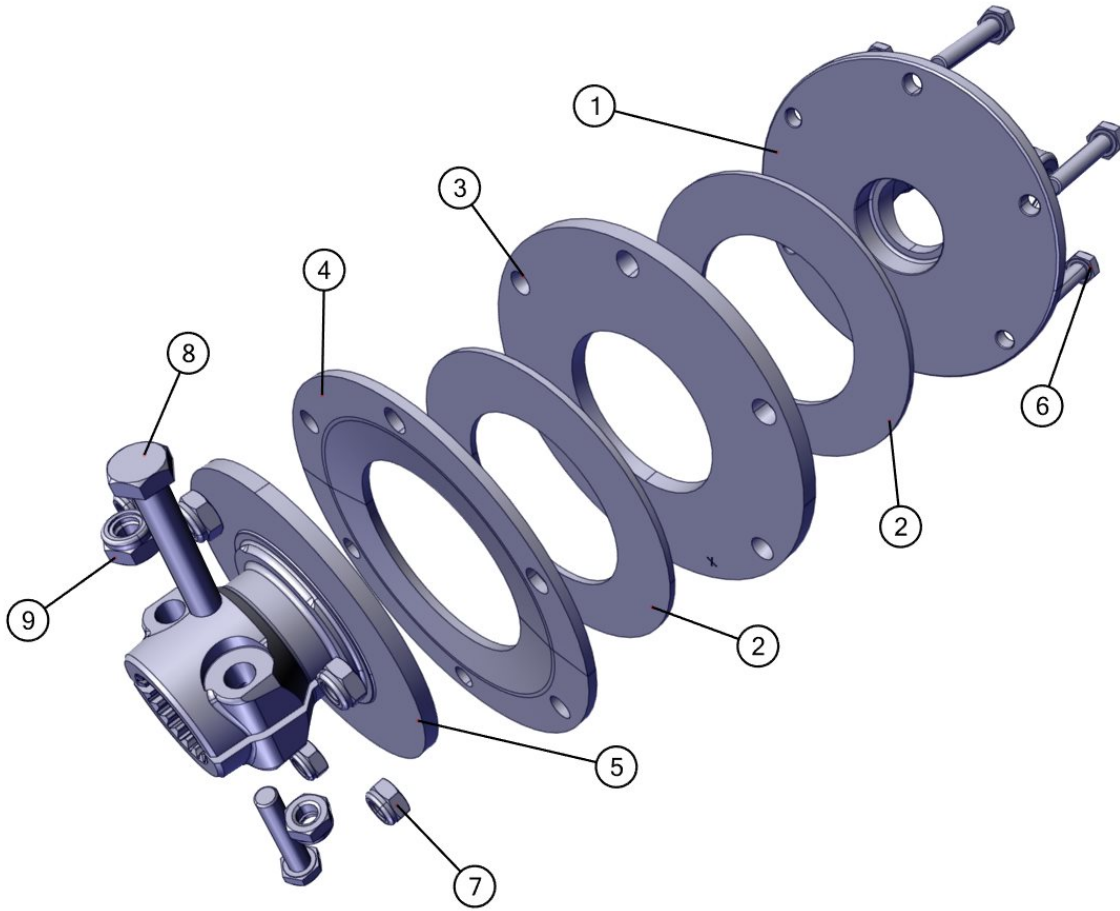


ITEM	PART NO.	QTY.	DESCRIPTION
0	00793155	1	DRIVELINE COMPLETE
1	00791890	1	YOKE,SLIDE COLLAR-1-3/8-6 SPL
2	00791891	1	KIT,CROSS & BEARING
3	8381	1	DOUBLE YOKE
4	00793173	1	INBOARD YOKE
5	703624W	1	M10 X 75 ROLL PIN
6	00793184	1	INNER PROFILE 1BGA
7	00793174	1	PROFILE & SLEEVE
8	8387	1	YOKE, INBOARD
9	8388	1	CROSS & BEARING KIT
10	00793175	1	YOKE 1 3/4"-20 SPL IC
11	00791894	1	ASSY, CV GUARD AND BEARING
12	00756934	1	PIN,ROLL 10 X 80
13	00756005	1	DECAL OUTER

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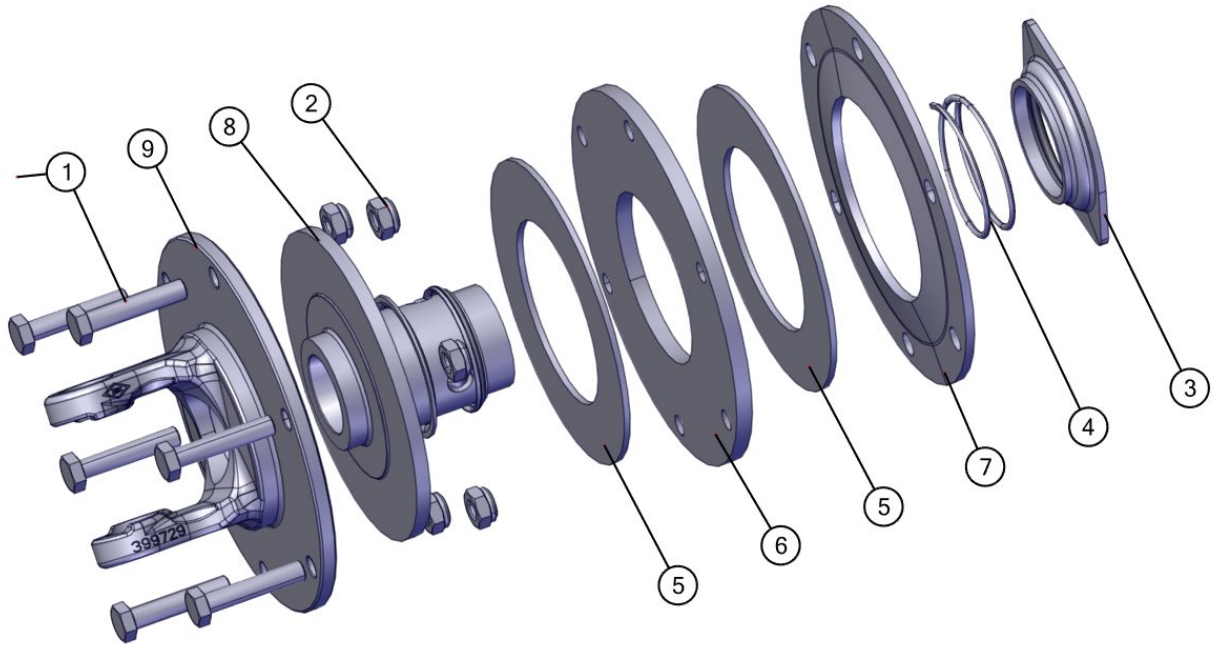
ITEM	PART NO.	QTY.	DESCRIPTION
14	8382	1	GREASE ZERK
15	00793185	1	CROSS & BEARING KIT
16	8393	2	BEARING RING
17	00759217	1	SCREW 1/2 LG #8 PAN
18	00793176	1	SHIELD, DL COMPLETE (NOT SHOWN)
19	00756004	1	DECAL INNER
20	00771813	1	GREASE ZERK
21	8974	1	SUPPORT BEARING
22	00791896	1	Q.D. COLLAR KIT
23	00765962	1	NUT, MET TLE - 16MM-P2.0 PL
24	00793189	1	M16 X 85L GR. 8.8

DRIVELINE - SLIPCLUTCH ASSEMBLY 00793178

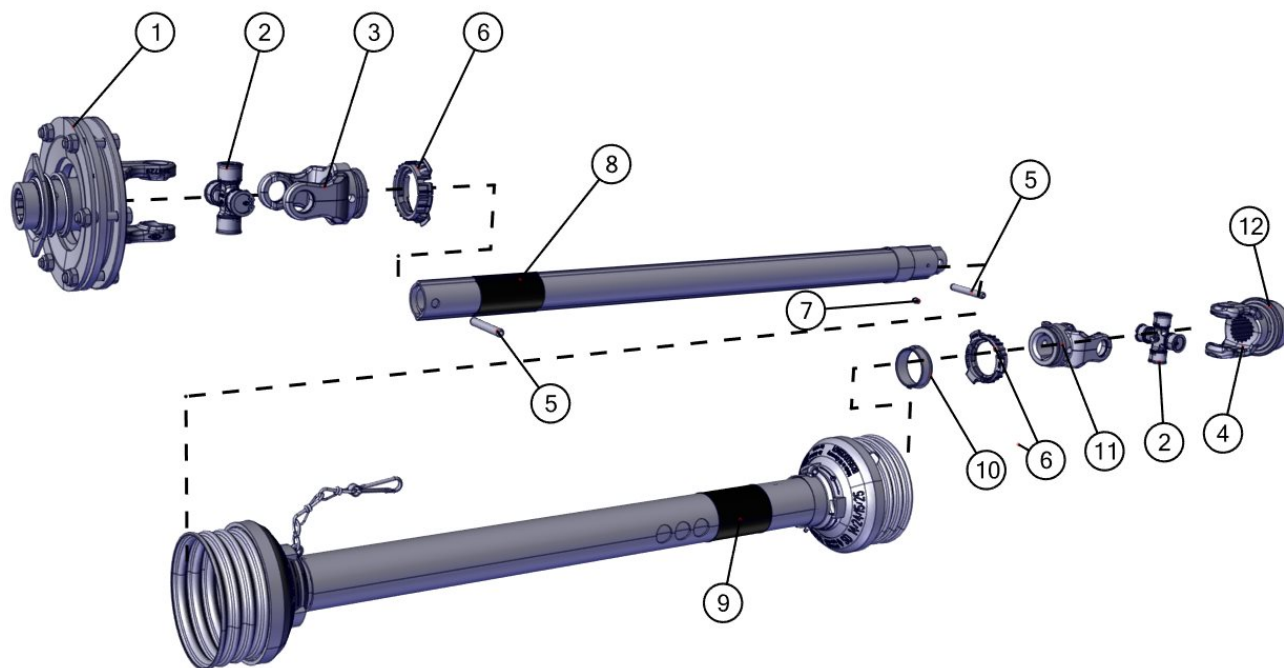


ITEM	PART NO.	QTY.	DESCRIPTION
1	00793187	1	FLANGE YOKE
2	00754202	2	FR ICTION D ISK
3	00775323	1	THRUST PLATE
4	5324	1	BELLEVILLE SPRING
5	00793188	1	HUB
6	61064C8	6	HEX BOLT - M10 X 50
7	00765676	6	HEX LOCKNUT M10
8	00793189	2	M16 X 85L GR.8.8
9	00765962	2	NUT, MET TLE 16MM-P2.0 PL

DRIVELINE - SLIPCLUTCH ASSEMBLY 00793182

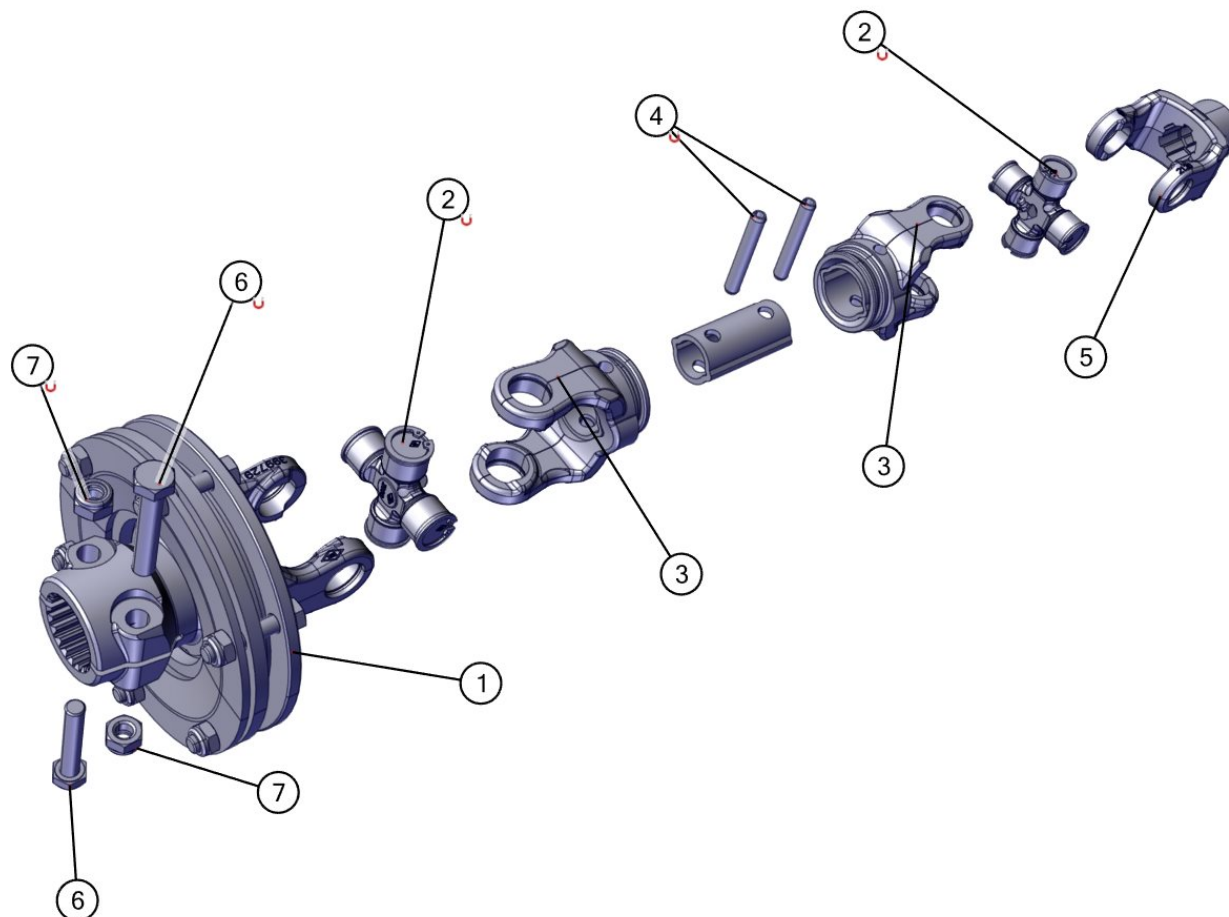


ITEM	PART NO.	QTY.	DESCRIPTION
0	00793182	1	SLIPCLUTCH COMPLETE
1	61064C8	6	HEX BOLT - M10 X 50
2	00765676	6	HEX LOCKNUT M10
3	1416425	1	LOCK COLLAR
4	1416424	1	COMPRESSION SPRING
5	00754202	2	FR ICTION D ISK
6	00775323	1	THRUST PLATE
7	5324	1	BELLEVILLE SPRING
8	00793186	1	HUB
9	00793187	1	FLANGE YOKE



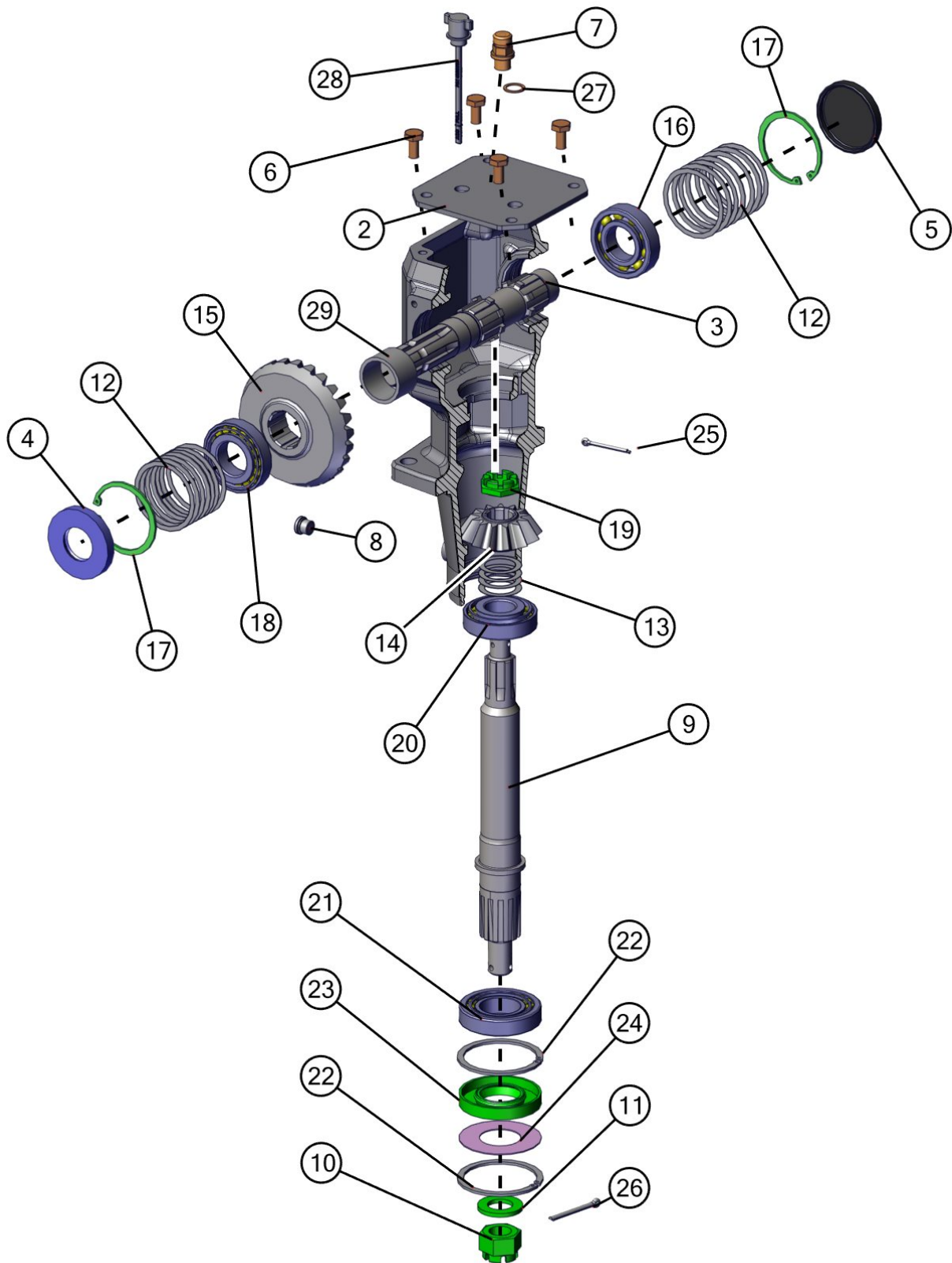
ITEM	PART NO.	QTY.	DESCRIPTION
0	00793157	1	DRIVELINE COMPLETE
1	00793182	1	FRICTION CLUTCH
2	00793181	2	CROSS + BRG KIT
3	3216403	1	YOKE, INBOARD
4	2116475	1	SLIDE COLLAR YOKE, 1 3/4-20 SP
5	703623W	2	M10 X 65 ROLL PIN
6	3216406	2	BEARING RING
7	00771813	1	GREASE ZERK, STGHT
8	00756005	1	DECAL, ROTATING DRIVELINE
9	00756004	1	DECAL, DANGER - GUARD MISSING
10	00763950	1	DRIVELINE-SUPPORT BEARING
11	3216400	1	INBOARD YOKE, OV
12	00759556	1	Q.D. COLLAR KIT (INCLUDED IN ITEM 4)
13	00793183	1	SHIELD, DL COMPLETE (NOT SHOWN)

DRIVELINE INTERMEDIATE - 00793156



ITEM	PART NO.	QTY.	DESCRIPTION
0	00793156	1	DRIVELINE COMPLETE
1	00793178	1	FRICTION CLUTCH
2	00793181	2	CROSS + BRG KIT
3	00793179	2	1B YOKE + 1 PROFILE
4	703623W	2	M10 X 65 ROLL PIN
5	00793177	1	YOKE 1 3/8" - 6
6	61076C8	2	HEXB M12X65
7	00772648	2	HEX LOCKNUT M12

GEARBOX ASSEMBLY - 00790875 LH & CNTR

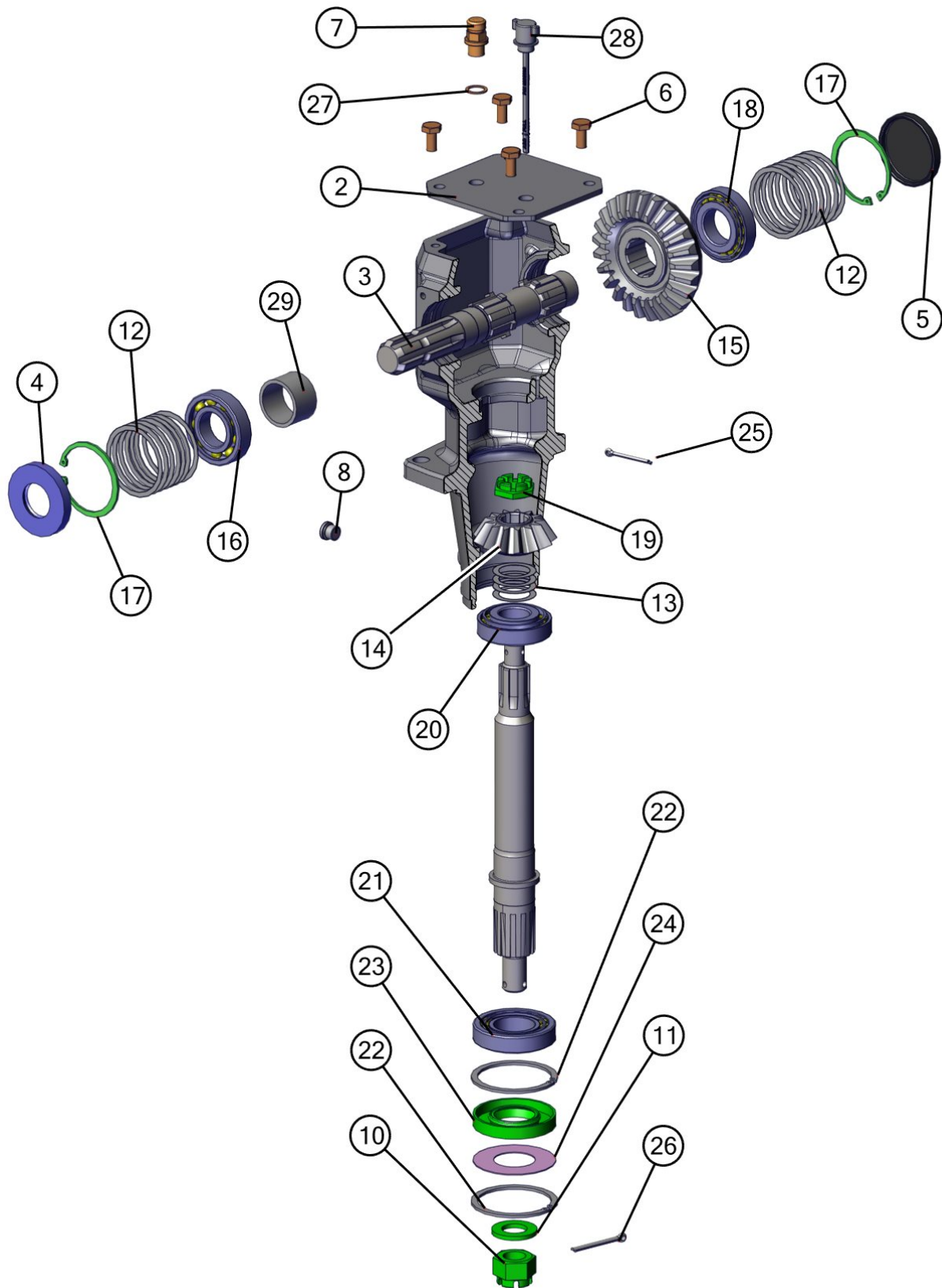


GEARBOX ASSEMBLY - 00790875 LH & CNTR

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ITEM	PART NO.	QTY.	DESCRIPTION
1	00790875	1	GEARBOX COMPLETE - OIL #85W140 @ 1.63 QTS. PER BOX
2	00791030	1	CAP, EZ40 GEARBOX
3	00790877	1	SHAFT, EZ40 INPUT 540
4	00754753	1	SEAL, OIL 35 X 72 X 10
5	2716540	1	CAP, OIL - 72 X 10
6	61364C8	4	HEXB, M10-1.5 X 16 GR8.8
7	00790985	1	PLUG, VENT M16-1.5
8	00791032	1	PLUG, SOCKET HEAD-6MB
9	00791033	1	SHAFT, EZ40 OUTPUT
10	00754777	1	NUT, CASTLE M24 X 2.0 - TORQUE @ 450FT POUNDS
11	00778246	1	WASHER, HARD. FLAT - 25 X 44 X 4
12	00791034	2	KIT, EZ40 INPUT SHIM
13	00791035	1	KIT, EZ40 OUTPUT SHIM
14	00790879	1	GEAR SET, 13 & 25 TOOTH (CONTAINS ITEM 15) - SOLD AS A SET ONLY
15	00790879	1	GEAR SET, 13 & 25 TOOTH (CONTAINS ITEM 14) -SOLD AS A SET ONLY
16	00564800	1	BEARING, BALL 6207 (35X72X17)
17	2716532	2	RING, SNAP - 72 X 75 X 2.5
18	00754757	1	BEARING, ROLLER 30207 (35X72X18.25)
19	00791054	1	NUT, CASTLE M20 X 1.5
20	00762426	1	BEARING, ROLLER 30306 (30X72X20.75)
21	2716658	1	BEARING, ROLLER 30208 (40X80X19.75)
22	00753224	2	RING, SNAP DIN 472 - 80 X 2.5
23	00754783	1	LIP, DUST - 40 X 80 X 12
24	00754773	1	SHIELD, PROTECTIVE - 40.4 X 79.9 X 1
25	70487	1	COTTER PIN 1/8 X 2"
26	70497	1	M5 X 50 COTTER PIN
27	00790983	1	WASHER, SEALING M16
28	4038609	1	DIPSTICK, OIL -EZ40
29	00790878	1	SPACER, EZ40 INPUT

GEARBOX ASSEMBLY - 00790876 RH

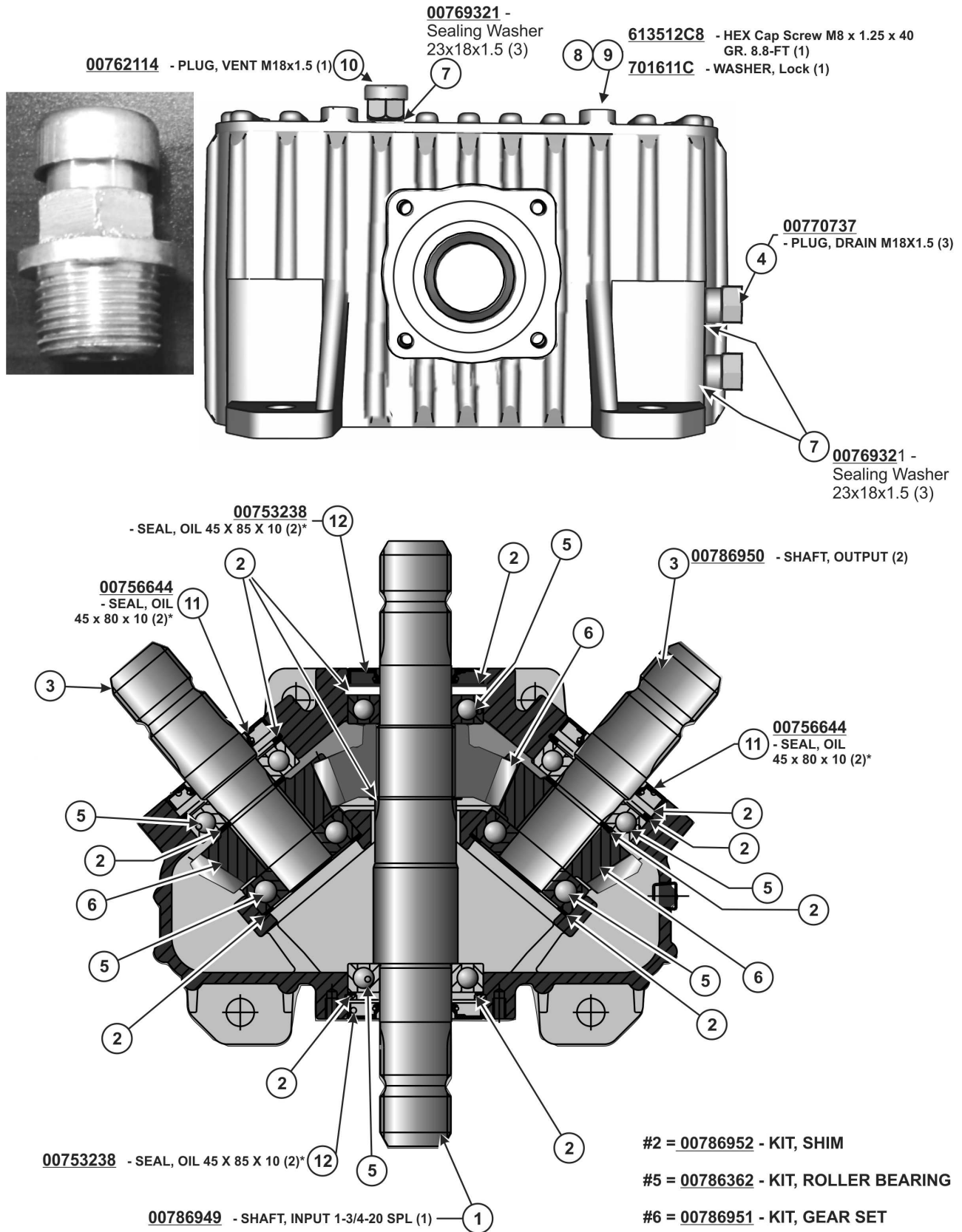


GEARBOX ASSEMBLY - 00790876 RH

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	00790876	1	GEARBOX COMPLETE -OIL #85W140 @ 1.63 QTS. PER BOX
2	00791030	1	CAP, EZ40 GEARBOX
3	00790877	1	SHAFT, EZ40 INPUT 540
4	00754753	1	SEAL, OIL 35 X 72 X 10
5	2716540	1	CAP, OIL - 72 X 10
6	61364C8	4	HEXB, M10-1.5 X 16 GR8.8
7	00790985	1	PLUG, VENT M16-1.5
8	00791032	1	PLUG, SOCKET HEAD-6MB
9	00791033	1	SHAFT, EZ40 OUTPUT
10	00754777	1	NUT, CASTLE M24 X 2.0 -TORQUE @ 450FT. POUNDS
11	00778246	1	WASHER, HARD. FLAT - 25 X 44 X 4
12	00791034	2	KIT, EZ40 INPUT SHIM
13	00791035	1	KIT, EZ40 OUTPUT SHIM
14	00790879	1	GEAR SET, 13 & 25 TOOTH -SOLD AS SET ONLY
15	00790879	1	GEAR SET, 13 & 25 TOOTH SOLD AS SET ONLY
16	00564800	1	BEARING, BALL 6207 (35X72X17)
17	2716532	2	RING, SNAP - 72 X 75 X 2.5
18	00754757	1	BEARING, ROLLER 30207 (35X72X18.25)
19	00791054	1	NUT, CASTLE M20 X 1.5
20	00762426	1	BEARING, ROLLER 30306 (30X72X20.75)
21	2716658	1	BEARING, ROLLER 30208 (40X80X19.75)
22	00753224	2	RING, SNAP DIN 472 - 80 X 2.5
23	00754783	1	LIP, DUST - 40 X 80 X 12
24	00754773	1	SHIELD, PROTECTIVE - 40.4 X 79.9 X 1
25	70487	1	COTTER PIN 1/8 X 2"
26	70497	1	M5 X 50 COTTER PIN
27	00790983	1	WASHER, SEALING M16
28	4038609	1	DIPSTICK, OIL -EZ40
29	00790878	1	SPACER, EZ40 INPUT

GEARBOX ASSEMBLY - DIVIDER 00786931

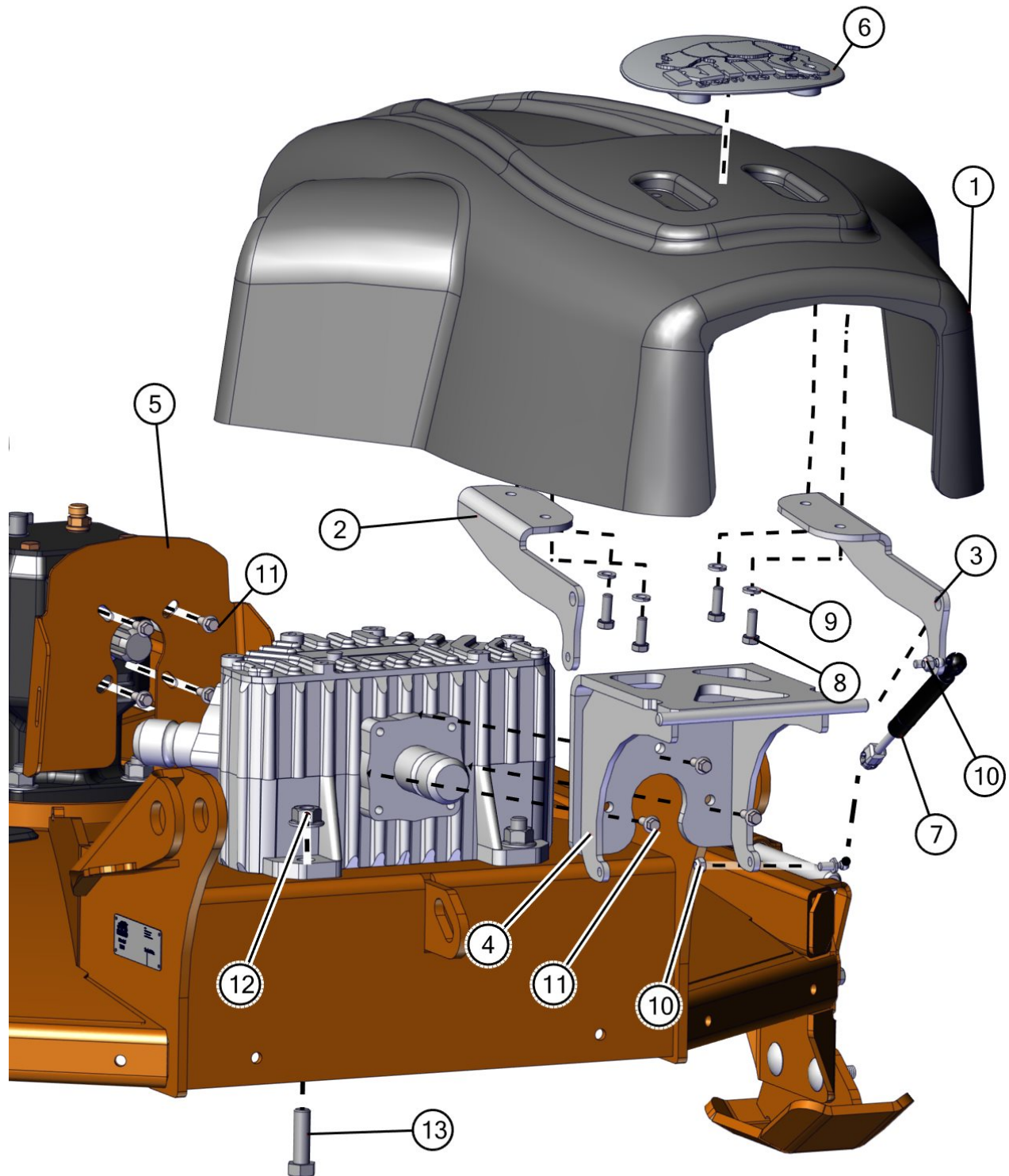


GEARBOX ASSEMBLY - DIVIDER 00786931

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ITEM	PART NO.	QTY.	DESCRIPTION
	00786931	1	540 RPM,1:1.2 RATIO,1-3/4-20 SPLINE - OIL #85W140 @ 2QTS. PER BOX
1	00786949	1	SHAFT,INPUT THRU - 1-3/4-20 SPL.
2	00786952	1	KIT,SHIM
3	00786950	2	SHAFT,OUTPUT - 1-3/4-20 SPL.
4	00770737	3	PLUG,DRAIN - M18 X 1.5
5	00786362	1	KIT,ROLLER BEARING
6	00786951	1	KIT,GEAR SET
7	00769321	3	WASHER,SEALING - 23 X 18 X 1.5
8	613512C8	6	HEXB M8 X 1.25 X 40 PL.8.8
9	701611C	6	LOCKWASHER M8
10	00762114	1	PLUG,VENT - M18 X 1.5 (5-8 PSI)
11	00756644	2	SEAL,OIL 45 X 80 X 10
12	00753238	2	SEAL,OIL 45 X 85 X 10
14	02845500	4	BOLT - HEXB 5/8 NC X 2 PL5 (NOT SHOWN) - PER BOX
15	00780869	4	NUT, HEX SPIRALK FLG 5/8-11 PL8 UNC (NOT SHOWN) - PER BOX

GEARBOX SHIELD ASSEMBLY - DIVIDER

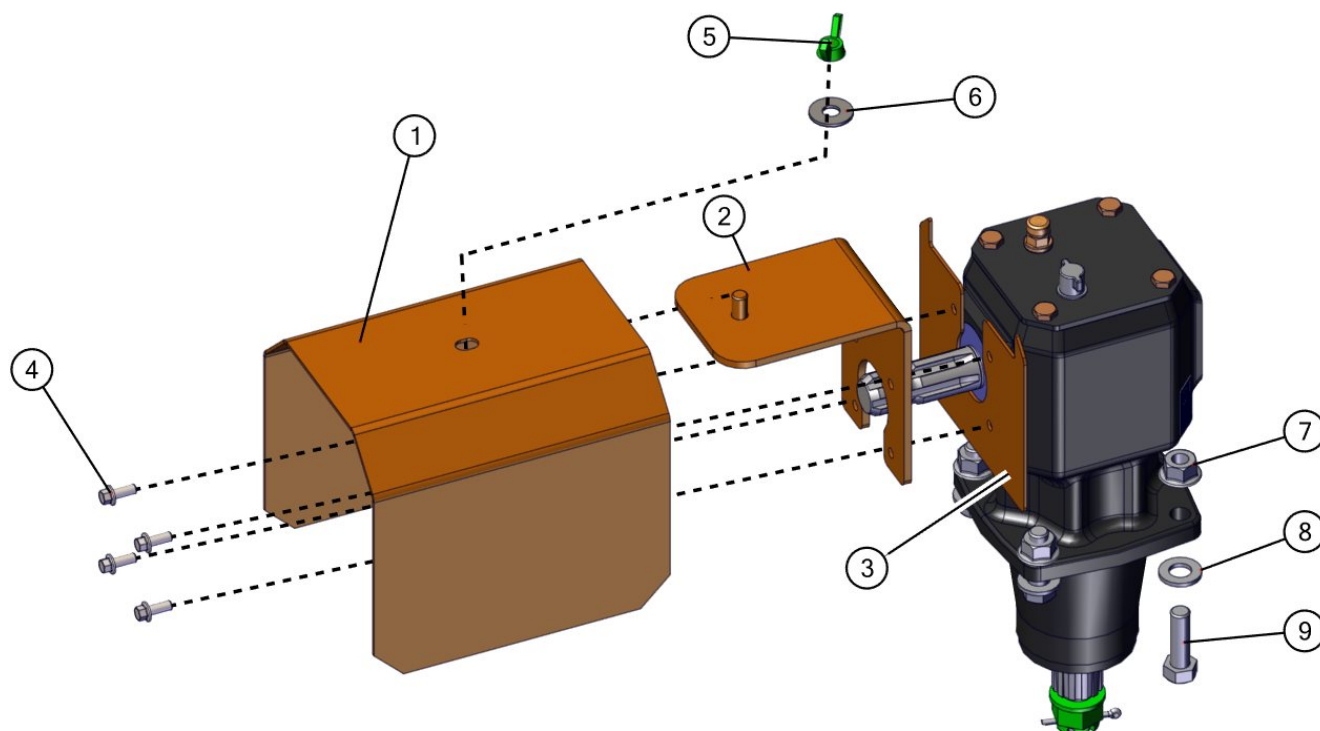


GEARBOX SHIELD ASSEMBLY - DIVIDER

Continued...

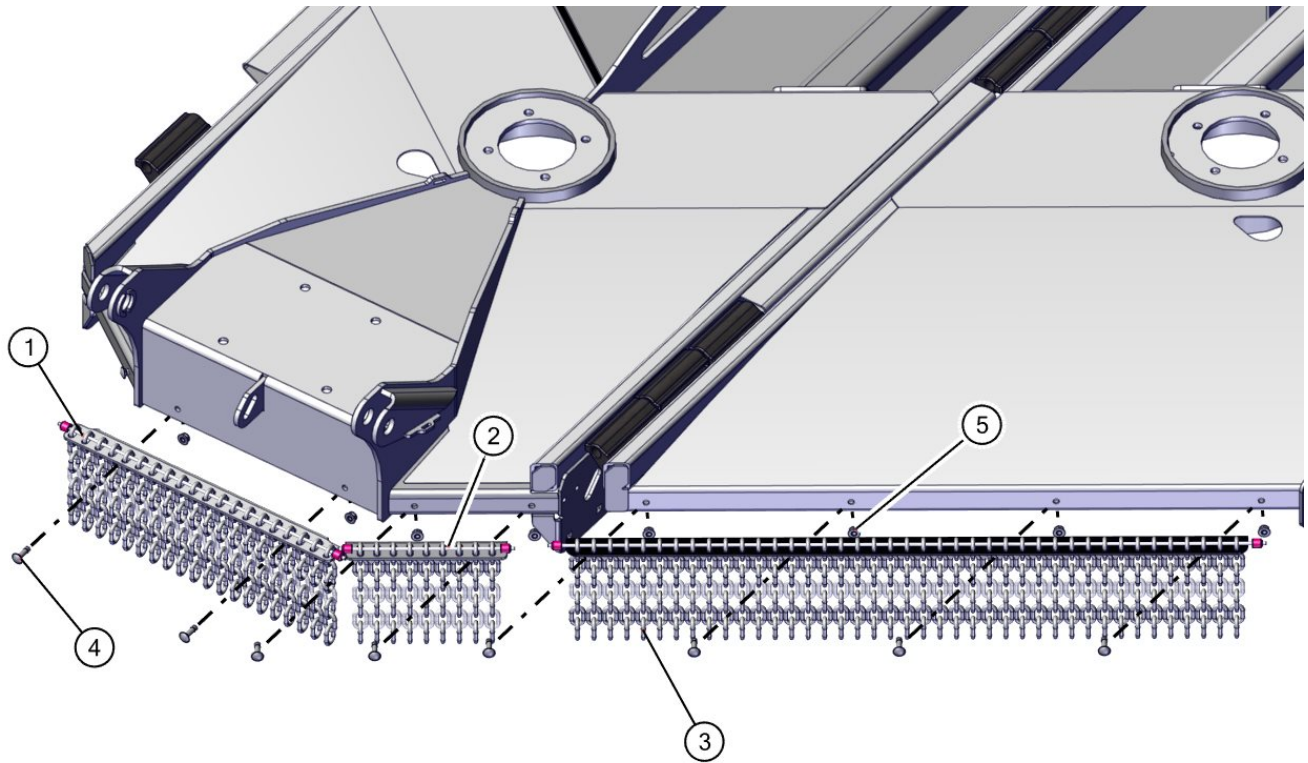
ITEM	PART NO.	QTY.	DESCRIPTION
0	00793155	-	
1	00790540	1	COMPOSITE DIVIDER SHIELD
2	00791239	1	BRACKET, RIGHT SHIELD PIVOT MOUNT
3	00791238	1	BRACKET, LEFT SHIELD PIVOT MOUNT
4	00791234	1	WELDMENT, COMER FRONT SHIELD PIVOT
5	00793143	1	BRACKET, REAR SHIELD SUPPORT
6	00791182	1	EMBLEM, DIVIDER SHIELD RHINO
7	00791353	1	GAS SPRING
8	00011400	4	HEXB 3/8" NC X 1" PL5
9	03101646	4	HIGH ALLOY, L/W 3/8 YZ
10	00750940	2	LOCKNUT TLM 5/16 NC PLB
11	00791651	7	HEXB SER FLG 8-P1.25-20MM 10.9
12	02845500	4	HEXB 5/8 NC X 2 PL5 (NOT SHOWN) - PER GEARBOX
13	00780869	4	NUT, HEX SPIRALK FLG 5/8-11 PL8 (NOT SHOWN) - PER GEARBOX

GEARBOX SHIELD ASSEMBLY - WING



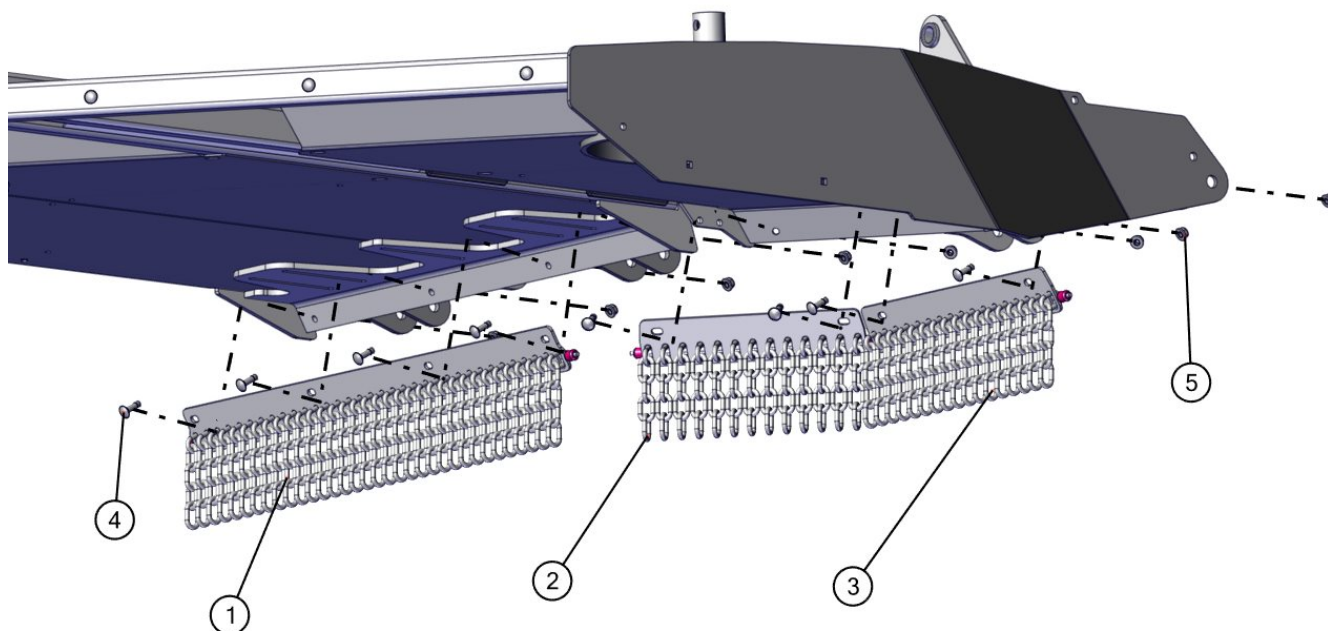
ITEM	PART NO.	QTY.	DESCRIPTION
1	00793148	1	WDMT, GEARBOX SHIELD
2	00793146	1	WDMT, SHIELD MOUNT BRACKET
3	00793144	1	SHEET, REAR GEARBOX GUARD
4	00791651	4	B18.2.3.4M - HEX FLANGE SCREW, M8 X 1.25 X 20 --20N
5	5F8130	1	NUT,WING 1/2 NC
6	00002700	1	FLATWASHER 1/2 PL STD
7	00780869	4	NUT, FLG 5/8NC SPIRALOCK PL5 - PER GEARBOX
8	00756077	4	WASHER,5/8 HARDENED - PER GEARBOX
9	02845500	4	HHCS, 5/8 - 11 NC X 2" PL5 - PER GEARBOX

GUARDING - CHAINGUARD FRONT



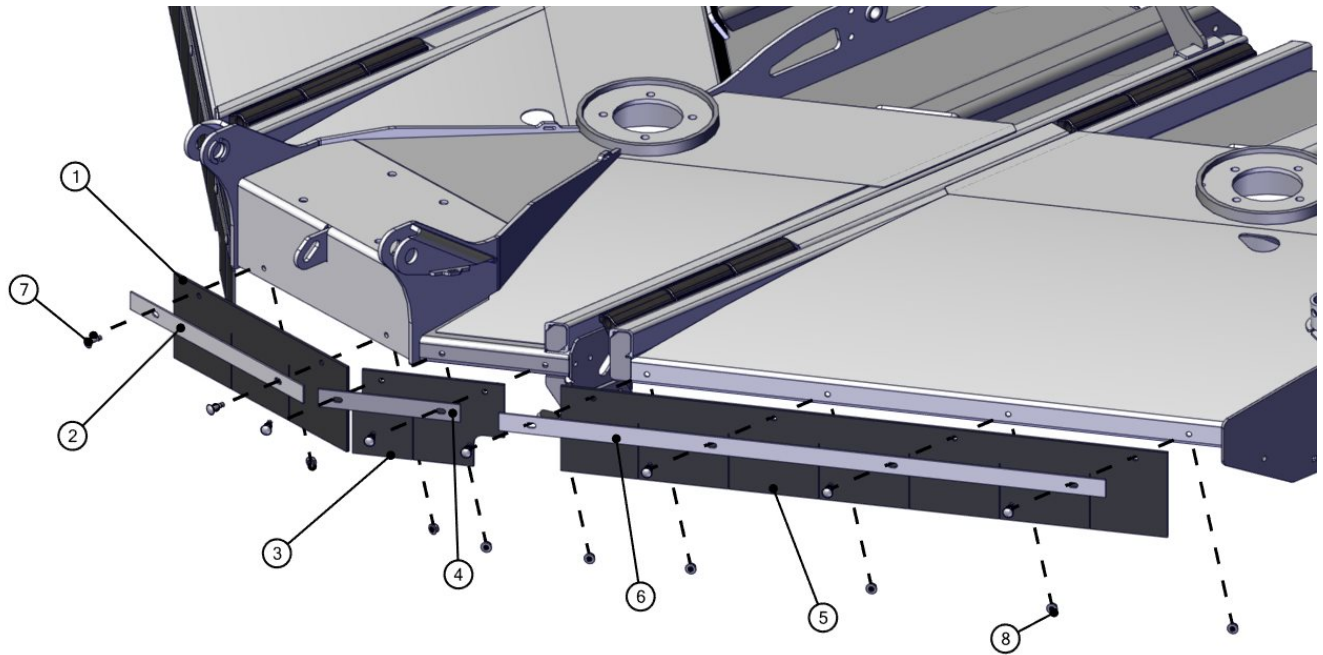
ITEM	PART NO.	QTY.	DESCRIPTION
1	00793103	1	ASSEMBLY, FRONT CENTER CHAIN GUARD
2	00793105	1	ASSEMBLY, FRONT SIDE CHAIN GUARD - PER SIDE
3	00793107	1	ASSEMBLY, FRONT WING CHAIN GUARD - PER SIDE
4	000644	8	CARB-3/8 NCK 1-1/4 PL5 - 8 SHOWN ORDER AS NEEDED
5	4528	8	NUT, HEX LOCK 3/8-16 FLG WHIZ - 8 SHOWN ORDER AS NEEDED

GUARDING - CHAINGUARD REAR



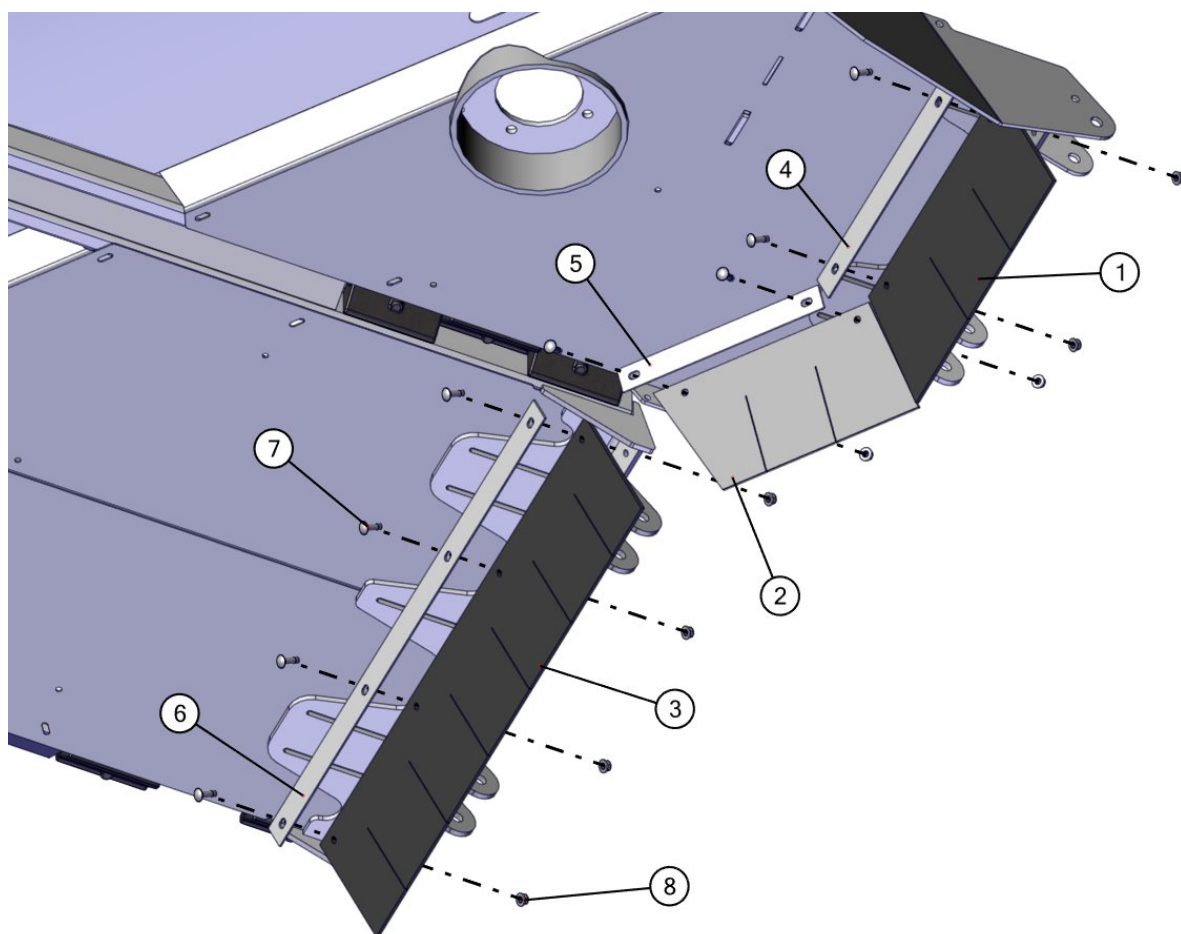
ITEM	PART NO.	QTY.	DESCRIPTION
1	00793109	1	ASSEMBLY, REAR CENTER CHAIN GUARD
2	00793113	1	ASSEMBLY, REAR WING INNER CHAIN GUARD - PER SIDE
3	00793111	1	ASSEMBLY, REAR WING OUTER CHAIN GUARD - PER SIDE
4	000644	8	CARB-3/8 NCK 1-1/4 PL5 - 8 SHOWN ORDER AS NEEDED
5	4528	8	NUT, HEX LOCK 3/8-16 FLG WHIZ - 8 SHOWN ORDER AS NEEDED

GUARDING - DEFLECTOR FRONT



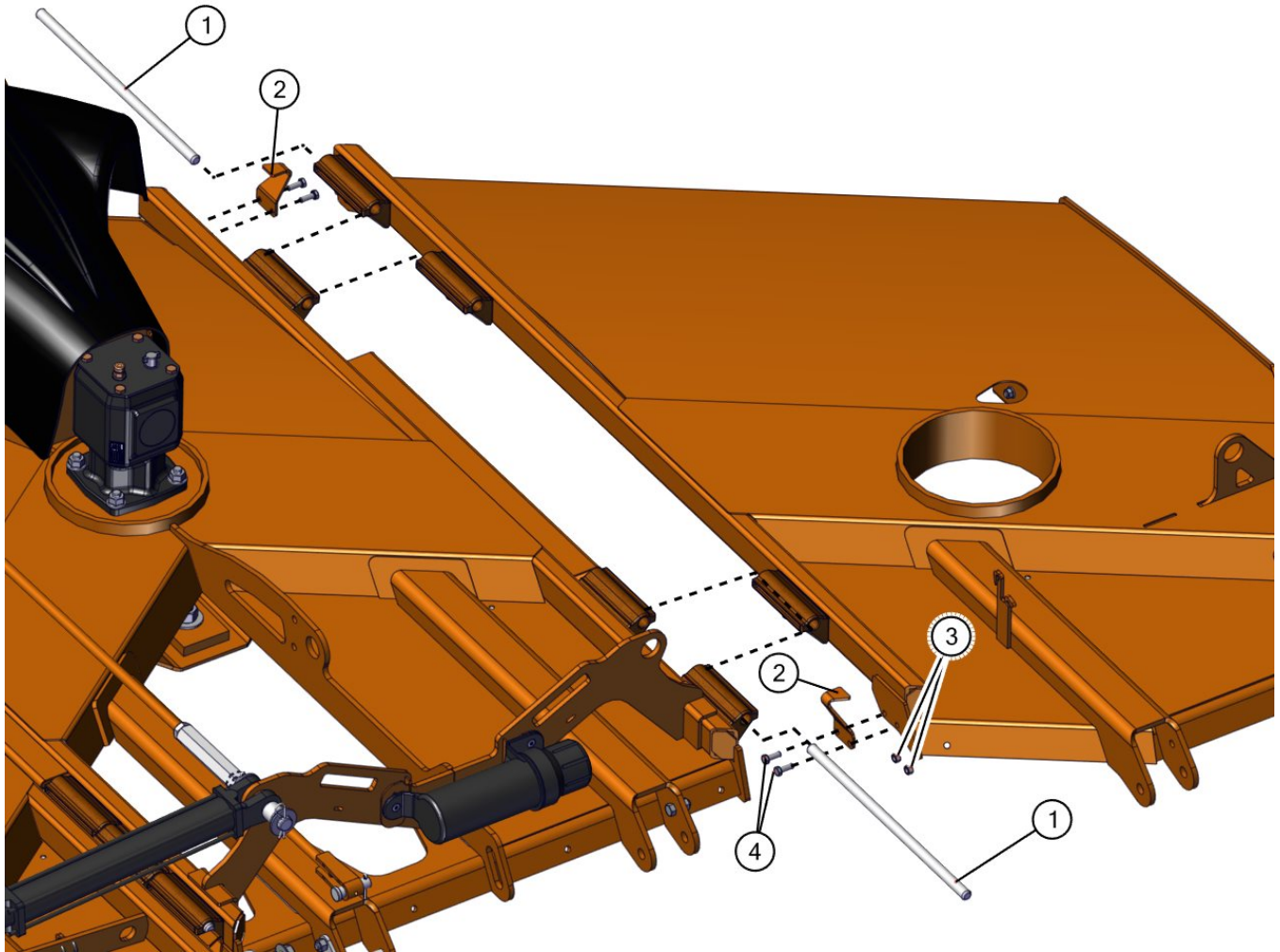
ITEM	PART NO.	QTY.	DESCRIPTION
1	00793115	1	DEFLECTOR, FRONT CENTER TS10
2	00793121	1	STRAP, FRONT CENTER DEFLECTOR
3	00793116	1	DEFLECTOR, FRONT CENTER SIDE TS10 - PER SIDE
4	00793122	1	STRAP, FRONT CENTER SIDE DEFLECTOR - PER SIDE
5	00793117	1	DEFLECTOR, FRONT WING TS10 - PER WING
6	00793123	1	STRAP, FRONT WING DEFLECTOR - PER WING
7	000644	8	CARB-3/8 NCK 1-1/4 PL5 - 8 SHOWN ORDER AS NEEDED
8	4528	8	NUT, HEX LOCK 3/8-16 FLG WHIZ - 8 SHOWN ORDER AS NEEDED

GUARDING - DEFLECTOR REAR



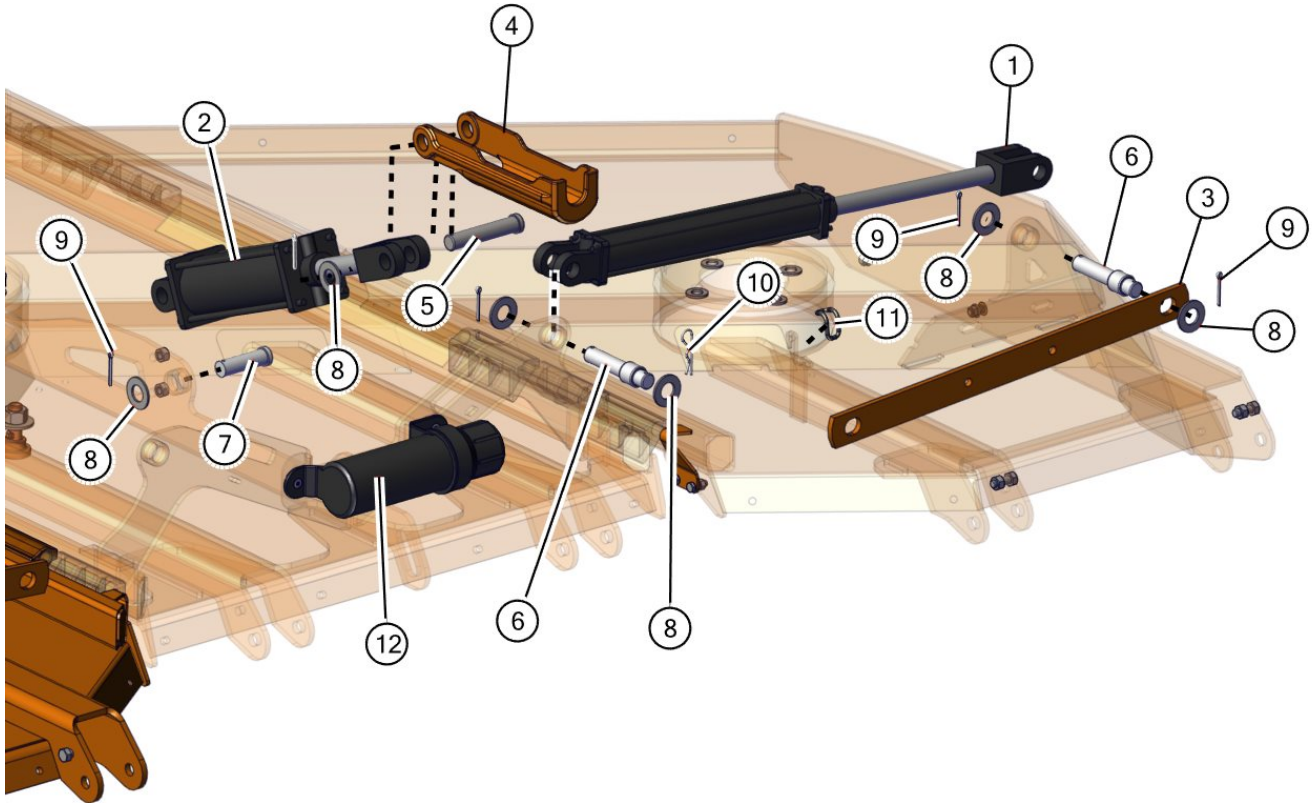
ITEM	PART NO.	QTY.	DESCRIPTION
1	00793118	1	DEFLECTOR, REAR CENTER TS10
2	00793119	2	DEFLECTOR, REAR WING OUTER - PER WING
3	00793120	2	DEFLECTOR, REAR WING INNER - PER WING
4	00793126	2	STRAP, REAR WING INNER DEFLECTOR - PER WING
5	00793125	2	STRAP, REAR WING OUTER DEFLECTOR - PER WING
6	00793124	1	STRAP, REAR CENTER DEFLECTOR
7	000644	8	CARB-3/8 NCK 1-1/4 PL5 - 8 SHOWN ORDER AS NEEDED
8	4528	8	NUT, HEX LOCK 3/8-16 FLG WHIZ - 8 SHOWN ORDER AS NEEDED

HINGE ASSEMBLY - RIGHT SIDE



ITEM	PART NO.	QTY.	DESCRIPTION
1	00793069	4	ROD, HINGE
2	00790284	2	BRACKET, HINGE ROD RETAINING, RH (SHOWN)
	00790283	2	BRACKET, HINGE ROD RETAINING, LH
3	00015800	8	NUT/ HEX LOCK TLM 3/8 NC PLC
4	00011400	2	HEX 3/8" NC X 1" PL5

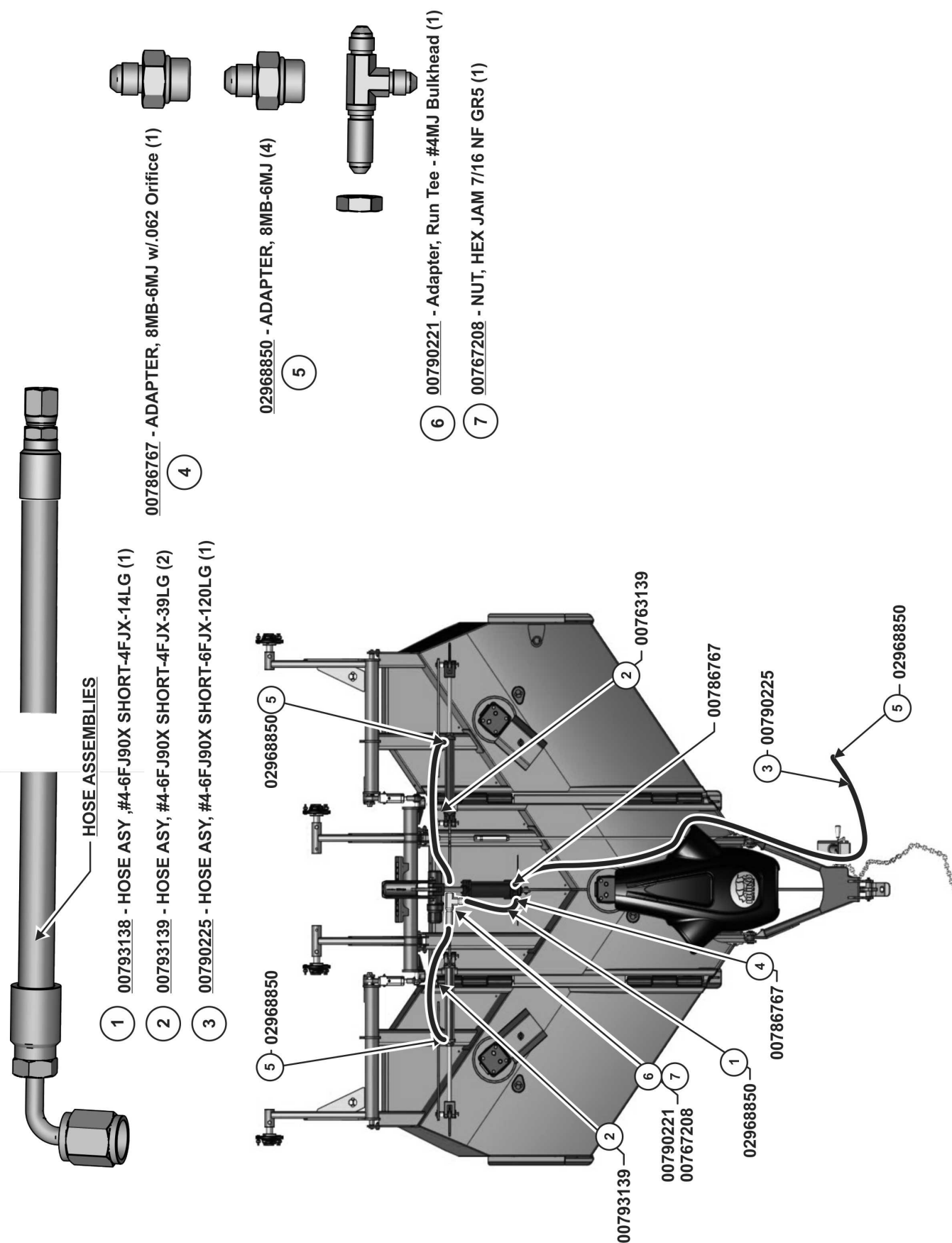
HYDRAULIC - CYLINDER ASSEMBLY



ITEM	PART NO.	QTY.	DESCRIPTION
1	00790214	1	CYLINDER, HYDRAULIC 2" X 14"
2	00761802A	1	CYLINDER, HYDRAULIC 3-1/2" X 8"
3	8345	2	TRANSPORT BAR
4	00791366	1	CASTING, 8IN CYLINDER LOCK
5	420011	1	PIN, CLEVIS 1 X 5 PL
6	8352	2	PIN ASSEMBLY
7	8354	1	PIN, HYD. CYLINDER
8	15B1600	6	WASHER 1" SAE PLT
9	00606000	5	PIN, COTTER 3/16 X 2"
10	37107B13	1	PIN, HAIR CLIP
11	00793059	1	O-RING, 1/4" DASH#404
12	00776031	1	MANUAL CANISTER - CONTAINS OPERATORS MANUAL

BLANK INTENTIONALLY

HYDRAULIC - HOSE LAYOUT

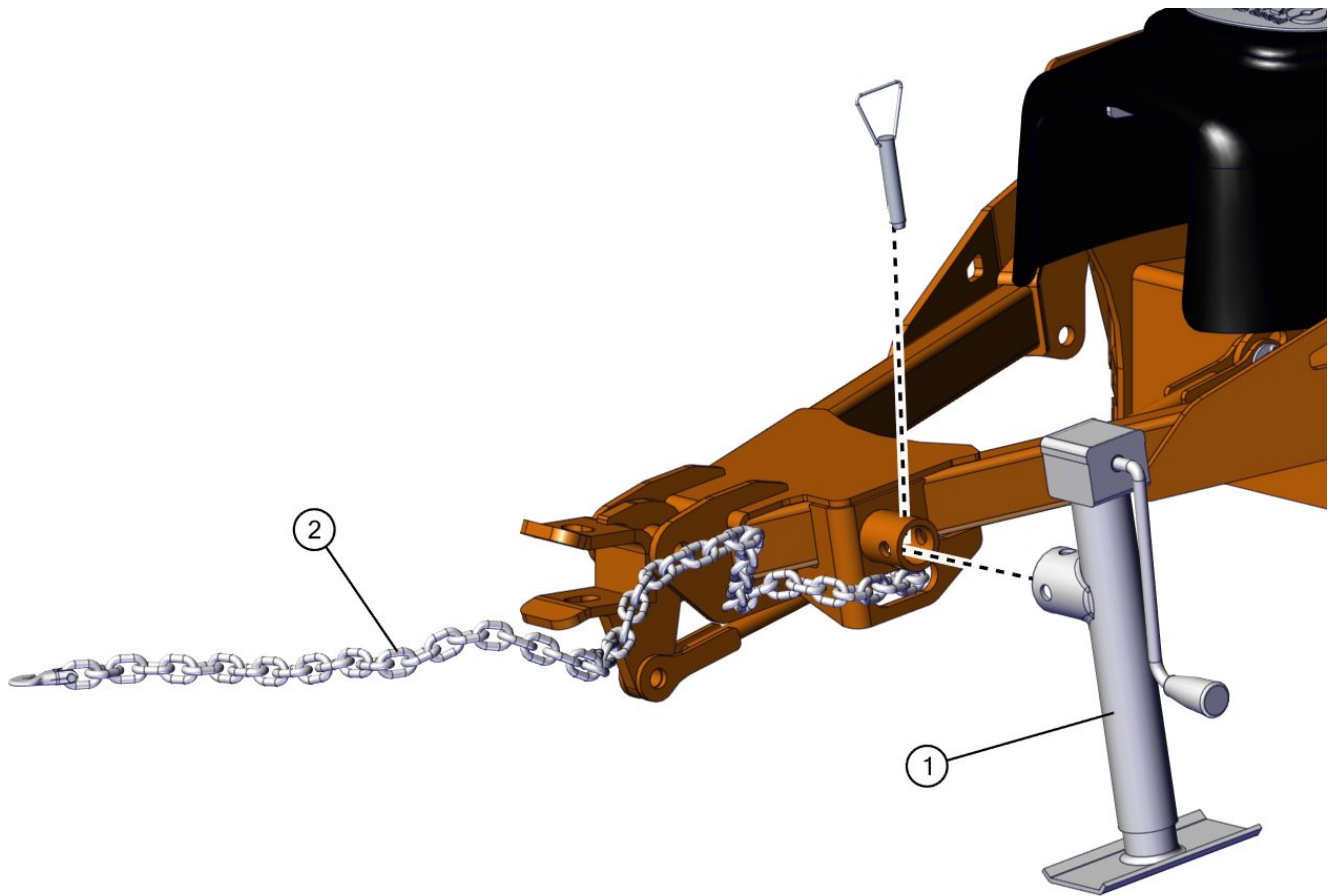


HYDRAULIC - HOSE LAYOUT

Continued...

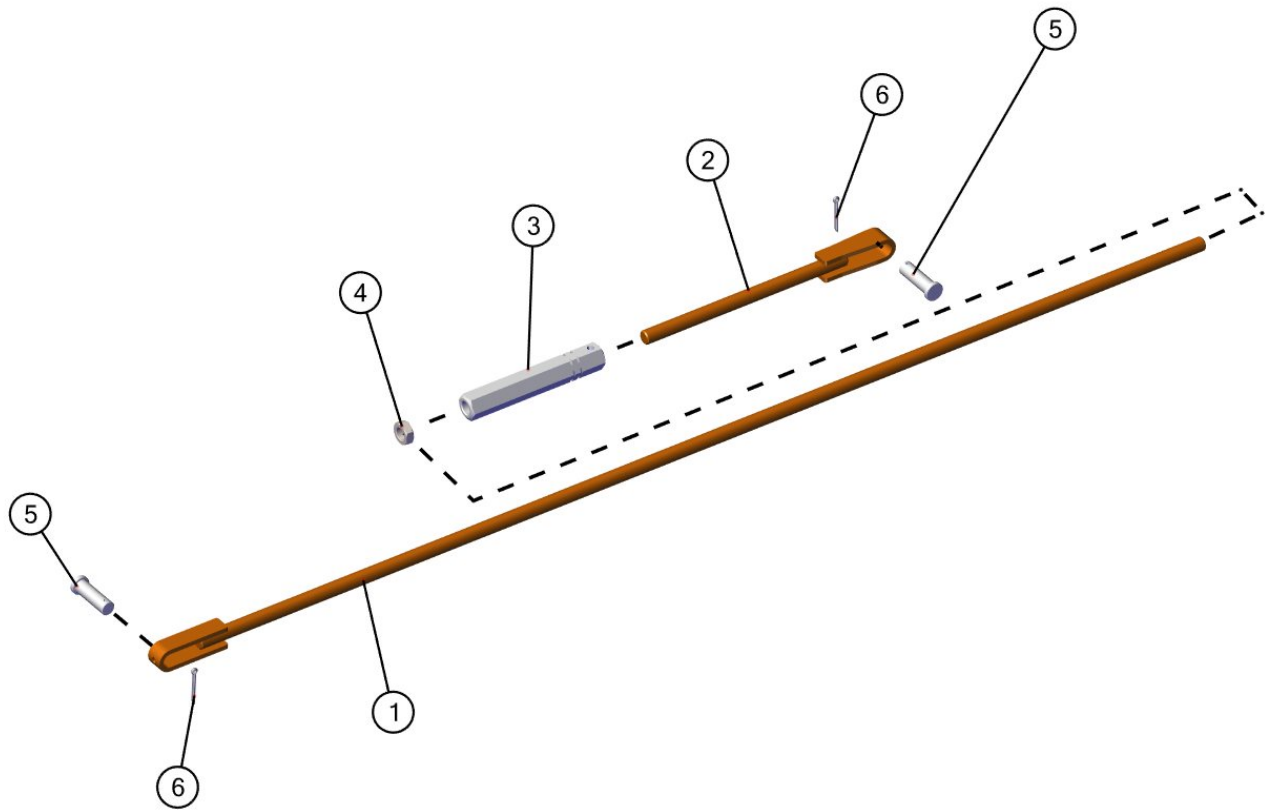
ITEM	PART NO.	QTY.	DESCRIPTION
1	00793138	1	HOSE ASSY,#4-6FJ90X SHORT-4FJX-14LG
2	00793139	2	HOSE ASSY,#4-6FJ90X SHORT-4FJX-39LG
3	00790225	1	HOSE ASSY,#4-6FJ90X SHORT-6FJX-120LG
4	00786767	1	ADAPTER, 8MB-6MJ W/.062 ORIFICE
5	02968850	4	ADAPTER, 8MB-6MJ
6	00790221	1	ADAPTER, RUN TEE - #4MJ BULKHEAD
7	00767208	1	NUT, HEX JAM 7/16 NF GR5

JACK ASSEMBLY



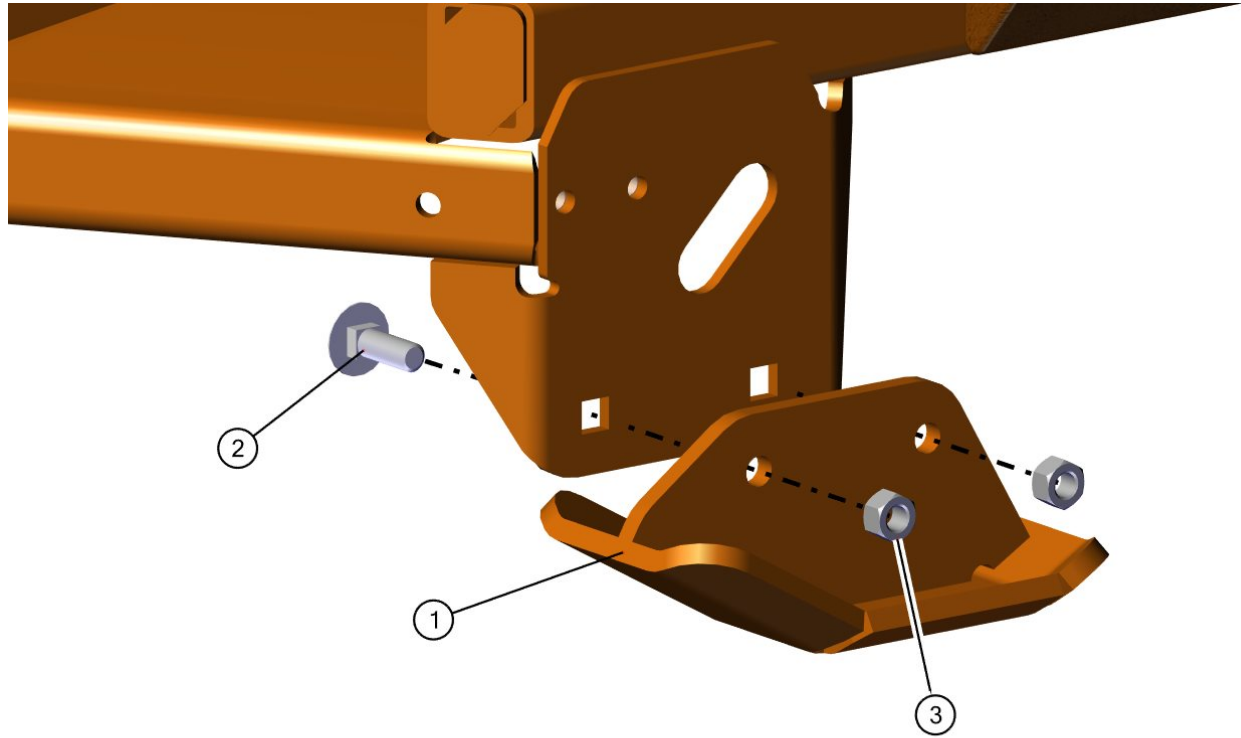
ITEM	PART NO.	QTY.	DESCRIPTION
1	00772391	1	PARKING JACK 3000# SIDEWIND
2	00764515	1	CHAIN, SAFETY TOW, 6400LBS.

LEVEL ROD ASSEMBLY



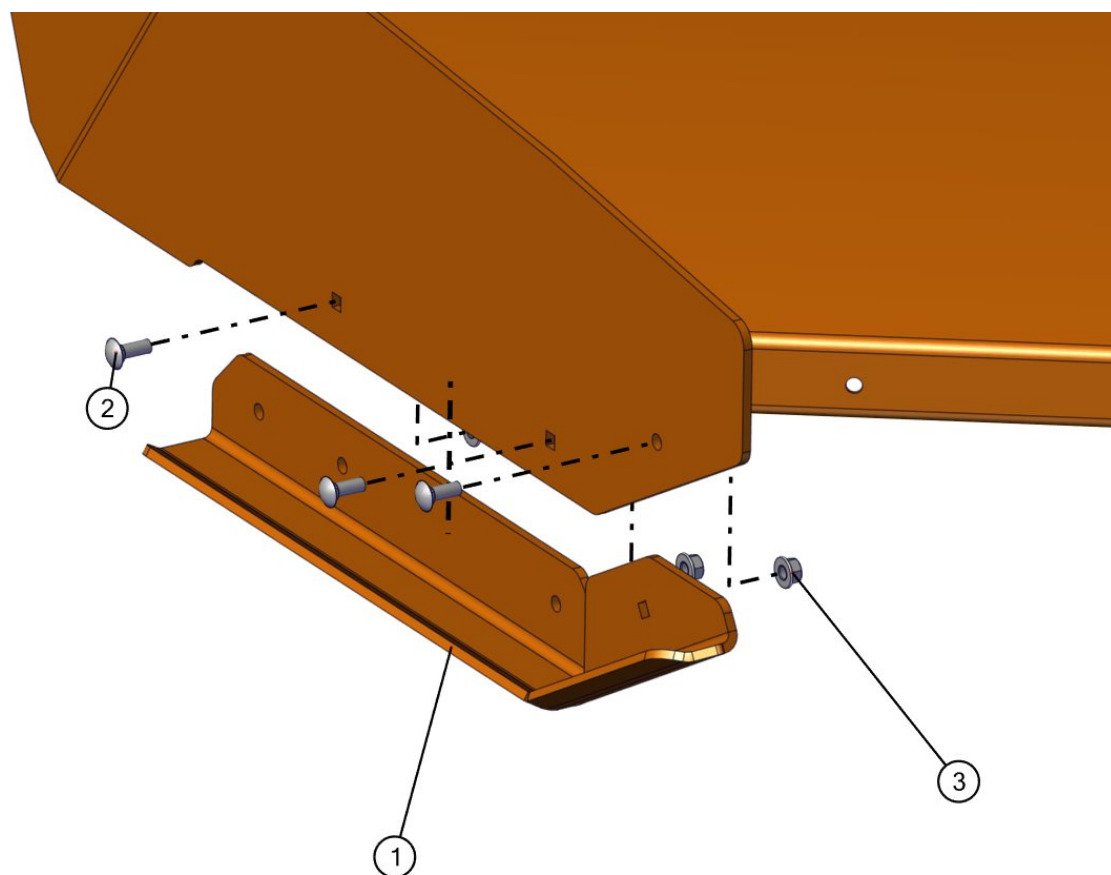
ITEM	PART NO.	QTY.	DESCRIPTION
0	00793082	1	COMPLETE ASSEMBLY
1	00793083	1	WDMT, LONG LEVEL ROD
2	00793084	1	WDMT, SHORT LEVEL ROD
3	00790114	1	NUT, 3/4-16 TURNBUCKLE ADJUST.
4	33108C	1	HEX JAM NUT 3/4-16
5	00793057	2	PIN, 3/4" CLEVIS PIN
6	00755153	2	PIN, COTTER 3/16 X 1-1/2 PLATED

SKID SHOE - CENTER



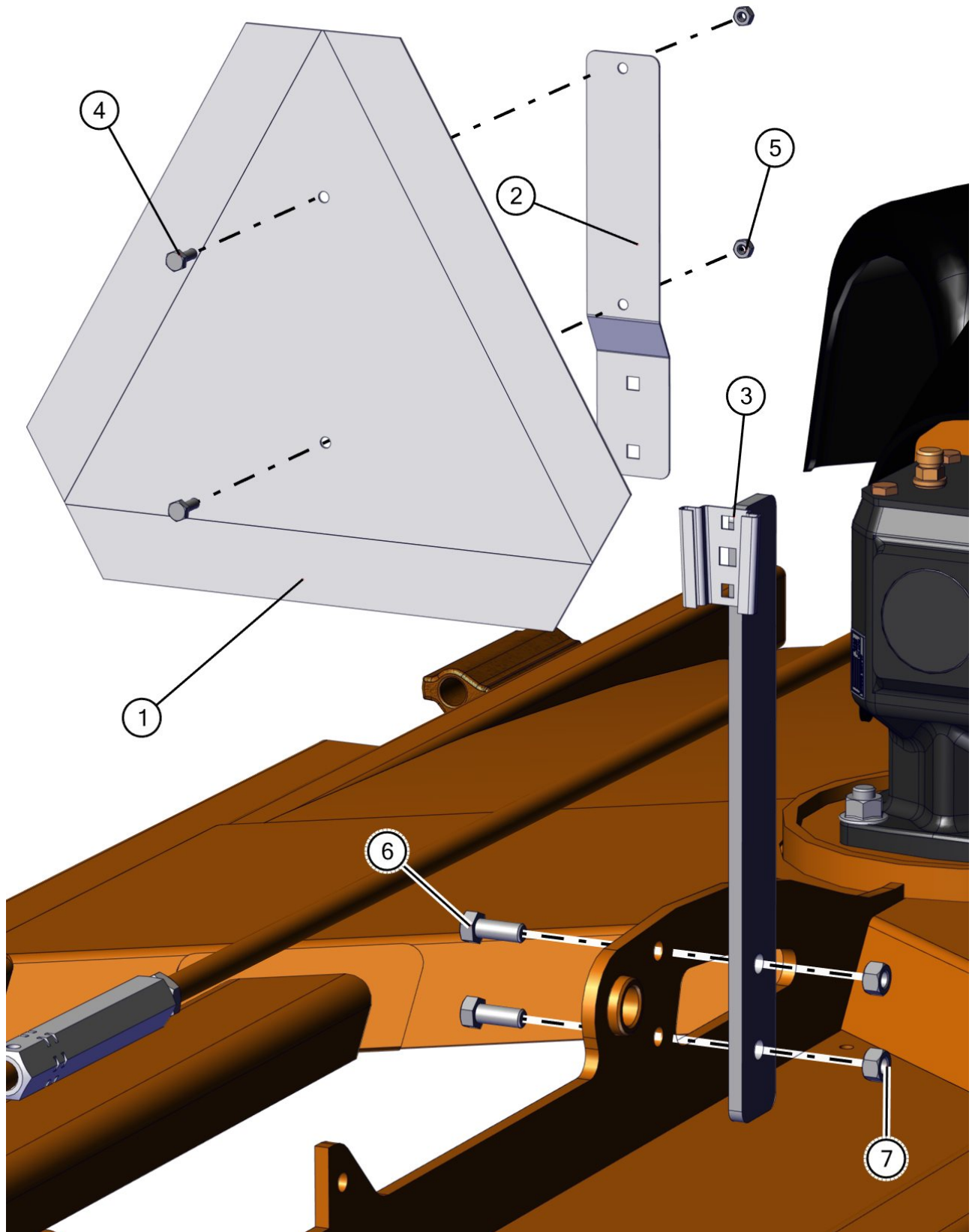
ITEM	PART NO.	QTY.	DESCRIPTION
1	00793100	1	WELDMENT, CENTER SKID SHOE - PER SIDE
2	02886900	2	CARB 1/2-13 UNC 1-1/2 PL5 - PER SIDE
3	00001800	2	LOCKNUT TLM 1/2 NC PLC - PER SIDE

SKID SHOE - WING



ITEM	PART NO.	QTY.	DESCRIPTION
1	00792515	1	SHOE, SHORT SKID-RH
	00792514	1	SHOE, SHORT SKID-LH
2	26168	3	CRG-BLT 3/8 X 1 GR5 - PER WING
3	4528	3	NUT, HEX LOCK 3/8-16 FLG WHIZ - PER WING

SMV ASSEMBLY

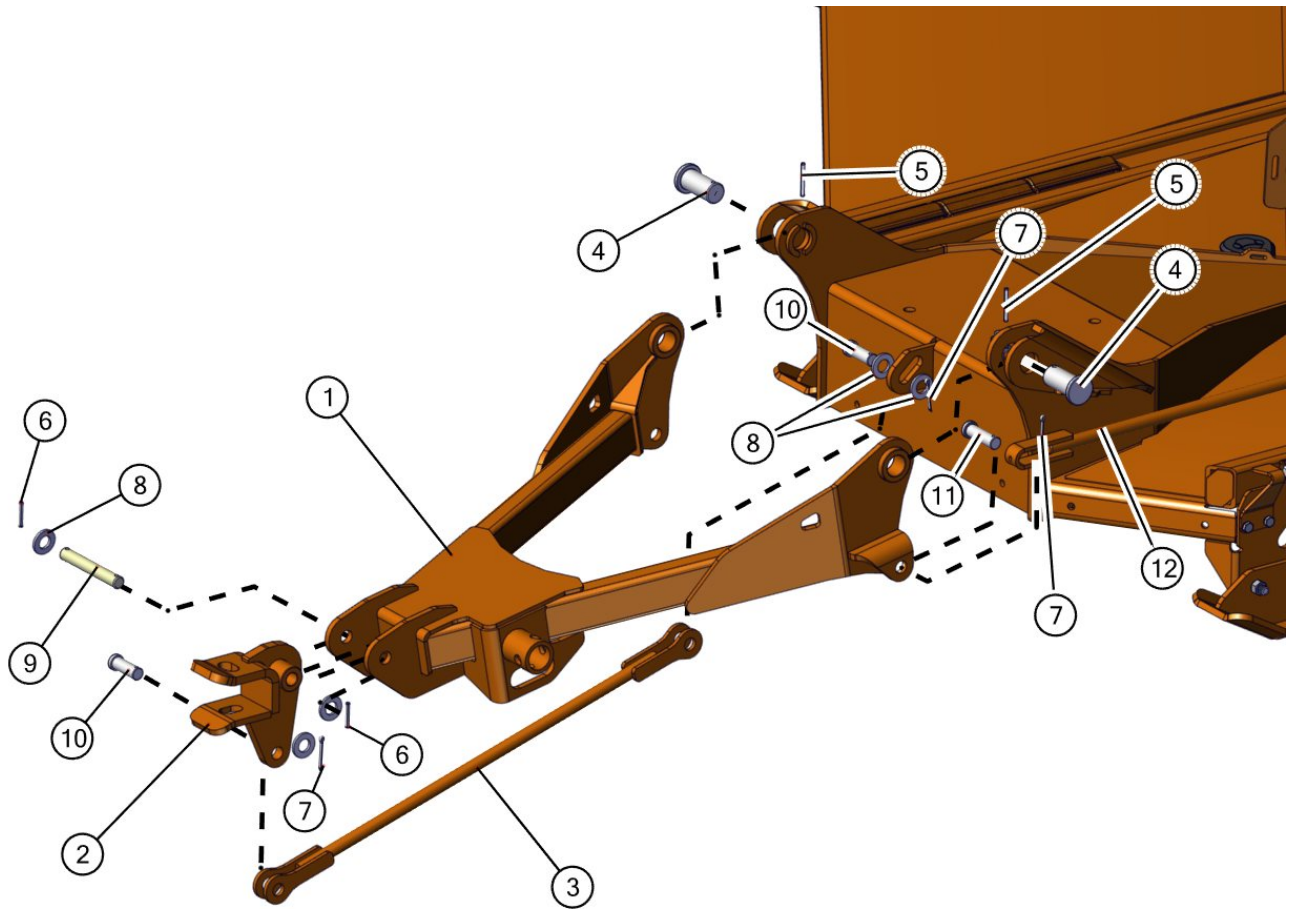


SMV ASSEMBLY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	03200347	1	EMBLEM, SMV
2	2438621	1	SPADE BRACKET,SMV MOUNTING
3	00793170	1	BRACKET, SMV
4	00021400	2	HEXB 1/4 NC 3/4 PL5
5	32901C	2	NUT, LOCK 1/4-20"
6	02030700	2	HHCS 1/2-13NC X 1-1/4 GR5 PL
7	00001800	2	LOCKNUT TLM 1/2 NC PLC

TONGUE ASSEMBLY



ITEM	PART NO.	QTY.	DESCRIPTION
1	00793070	1	WELDMENT, TS10 TONGUE
2	00793095	1	WELDMENT, TONGUE CLEVIS
3	00793089	1	WELDMENT, CLEVIS CONTROL ROD
4	00793056	2	PIN, HITCH PIVOT ZP
5	4674	2	PIN, ROLL 1/4" X "2
6	5427	1	PIN, ROLL 1/4" X 1-1/2"
7	00755153	1	PIN,COTTER 3/16 X 1-1/2 PLATED
8	15B1200	6	WASHER 3/4 SAE
9	00793129	1	PIN, 3/4" CLEVIS PIVOT
10	651102	2	PIN, DRILLED
11	00793057	2	PIN, 3/4" CLEVIS PIN
12	00793082	1	ASSEMBLY, LEVEL ROD - SEE LEVEL ROD ASSEMBLY PAGE FOR BREAKDOWN

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.

