

MacDon

R113 and R116 Rotary Disc Headers

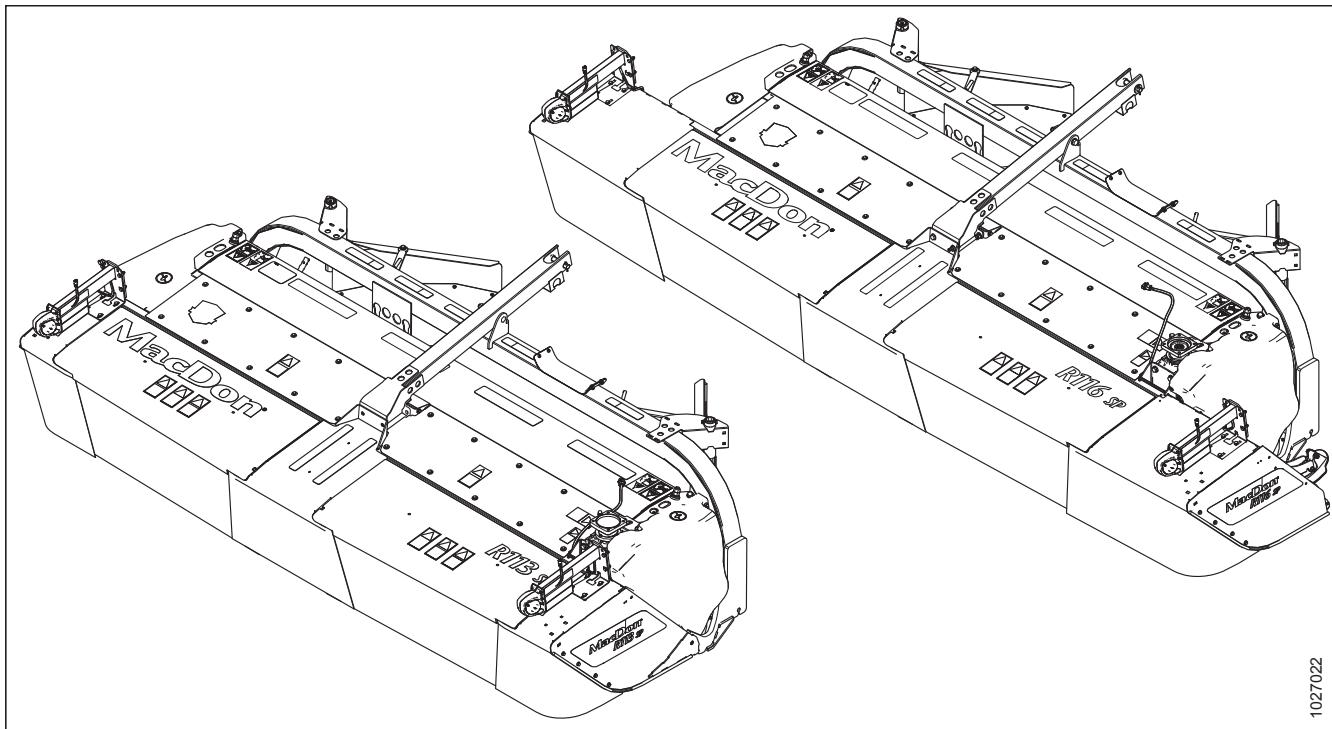
Parts Catalog

215621 Revision A

Original Instruction

The Harvesting Specialists.

R113 and R116 Rotary Disc Headers



Published: July 2021

NOTE:

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Introduction

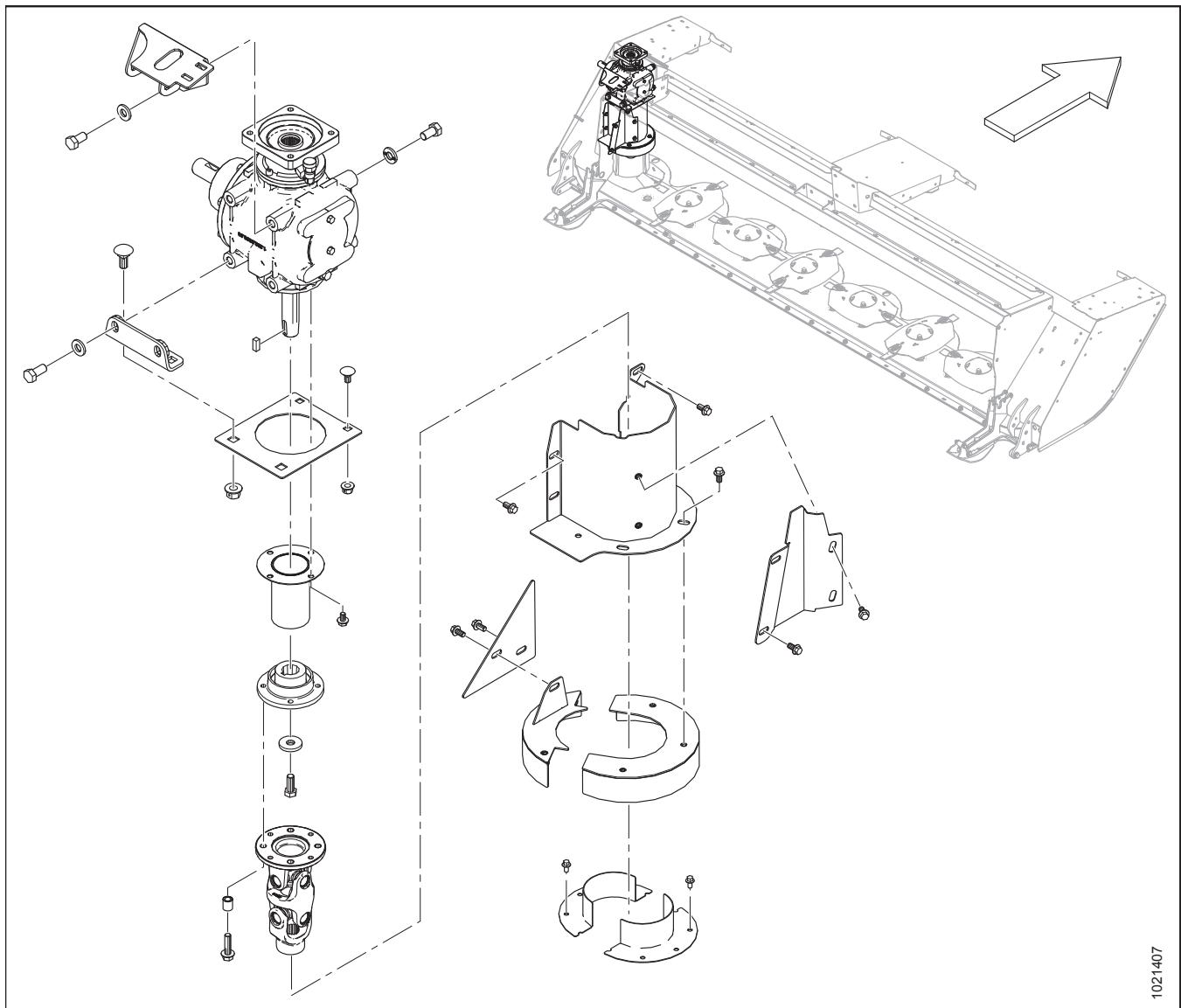
This Parts Catalog lists all the replacement parts that can be ordered for MacDon R113 and R116 Rotary Disc Headers.

When ordering, be sure to use the complete and proper part number. Some parts vary with header size; be sure you are ordering the correct part number for your unit.

Bold text is used to indicate updates made at the current revision level. With each new revision of the catalog, previous revisions are returned to regular text.

Electrical connectors used on MacDon products are available for sale but not listed in this catalog. For the list of available connectors, refer to the Electrical Connectors Parts Catalog (MD #169641).

In this catalog, right-hand (RH) and left-hand (LH) are determined from the operator's seated driving position in the windrower cab. An arrow is sometimes used in illustrations to indicate forward position as shown below.



Abbreviations

A/R – as required (quantity varies)	ASSY – assembly	BHRN – button head rib neck
BV – ball valve	CCW – counterclockwise	CON – conical (spring washer)
CSK – countersink	C/W – complete with	CW – clockwise
DBLE – double	DK – double knife	DR – double reel
DT – distorted thread	FLG – flange	GA – gauge
GR – grade	GS – grass seed	HD – head
HDR – header	HFA – hydraulic fore-aft	HH – hex head
HNBR – hydrogenated nitrile butadiene rubber	HYD – hydraulic	I.D. – inside diameter
IP – internal plus (torx plus)	KP – knife pressure	KR – knife return
LG – long	LH – left hand (determined from Operator's position, facing forward)	LK – lock
MACH – machine	MD – MacDon	MFA – manual fore-aft
MY – model year	NC – national coarse thread	NF – national fine thread
NSS – not sold separately	NT – narrow transport	O.D. – outside diameter
OPT – optional	PO – pilot operated	PT – pull-type (mower conditioner)
RC – roller chain	REF – reference, part number called up elsewhere in catalog	REG – regular
RH – right hand (determined from Operator's position, facing forward)	RHSN – round head, square neck or square neck carriage bolt	RHSSN – round head, short, square neck
RTD – rotating tine drum	SAE – Society of Automotive Engineers (part produced to comply with)	SD – side draper
SER – serrated	SK – single knife	SKT HD – socket head
SMTH – smooth	SMV – slow moving vehicle	SOCK – socket
SP – self-propelled (windrower) header	SPCL – special	SPH – spherical
SPI – serrations per inch (knife Sections)	SR – single reel	STL – steel (stainless)
STR – standard	STVR – Stover	TFL – thread full length
THD – thread	UNC – unified coarse thread	UCA – upper cross auger
UDK – untimed double knife	UNS – unified special thread series	UNEF – unified extra fine thread
UNF – unified fine thread	ZP – zinc plated	VK – vertical knife
WF – wide frame		

Serial Number Breaks

The side of the serial number on which the dash (–) appears determines whether the part is used "up to" or "after" the serial number given.

Example:

- –162249 Used on machines up to and including serial number 166249
- 166250– Used on machines including and after serial number 166250

Summary of Changes – R1 SP Series (215621 Rev. A)

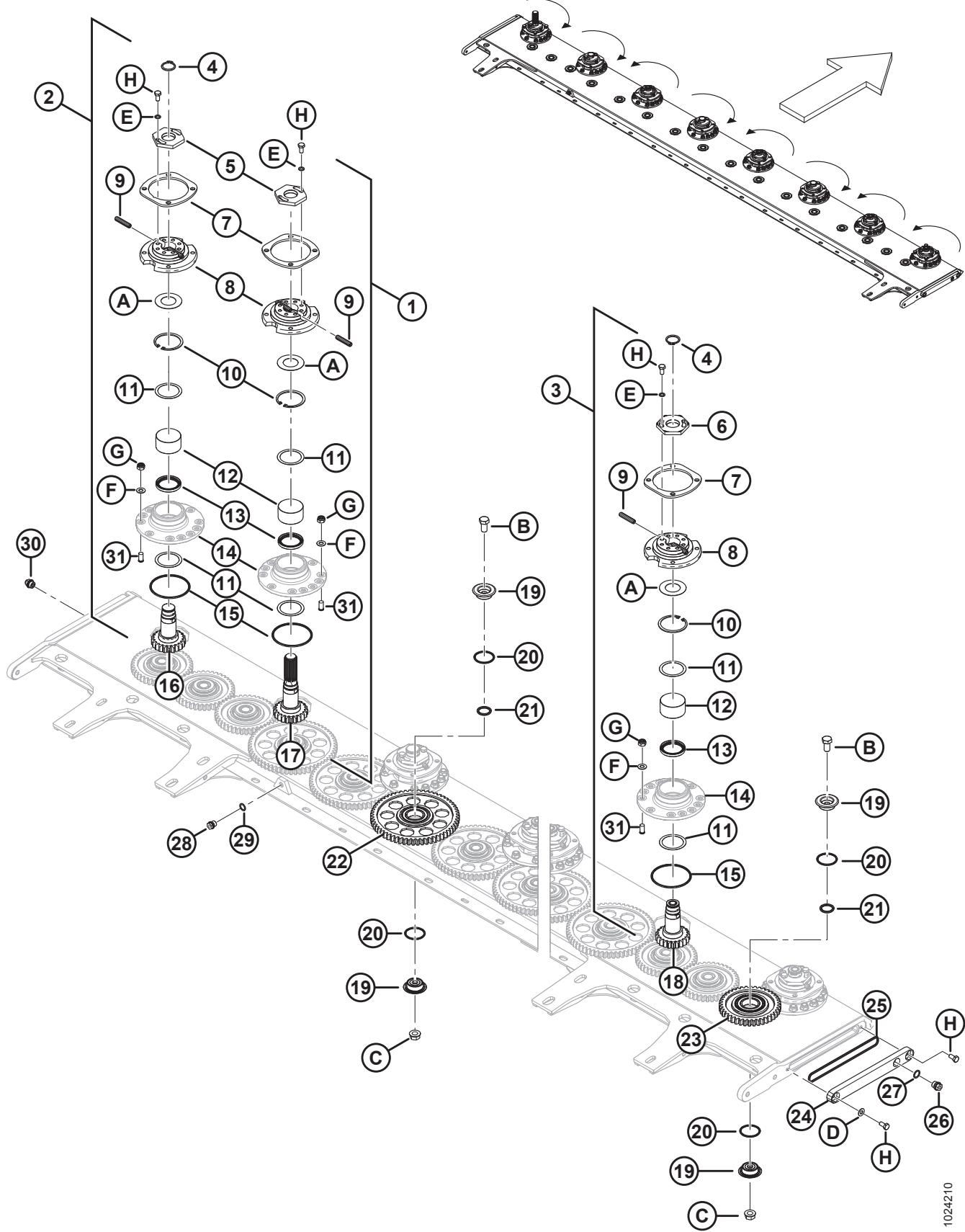
This list covers changes made since the last revision (215366 Rev. A).

Section	Summary of Change	Internal Use Only
<i>3 Cutterbar Components – R113, 2017, page 9</i>	Disc assembly 247950 superseded by 281753.	ECN 55523
<i>4 Cutterbar Components – R113, 2018 and Later, page 11</i>	Blades 257083 and 257084 superseded by 259199 and 259200.	ECN 56808
<i>5 Cutterbar Components – R116, page 13</i>	Added six bolts 338800 for rock guard ends. Updated illustration from 1029716 to 1036679 to show changes.	ECN 61593 ECN 61330
	Blades 257083 and 257084 superseded by 259199 and 259200.	ECN 56808
<i>6 Cutterbar to Frame – R113, page 17</i>	Corrected part number and description for hex bolt (F). M20 bolt 136082 was M16 bolt 136132.	Publications
	Added bolts 136141 and 184681 for the reinforced rock guards. Updated quantity of washer 120901. Added footnotes for clarity. Updated illustration from 1033366 to 1036680 to show changes.	ECN 56930
	Replaced washers 120901 and 112130 with 320226 and 320225.	ECN 60546
<i>7 Cutterbar to Frame – R116, page 19</i>	Replaced bolt 136082 with 136157. Replaced bolt 136132 with 136717. Updated quantities of washers 112130 and 120901. Changed hardware orientation of mounting bolts 136157 and 136717. Updated illustration from 1033367 to 1036681 to show changes.	ECN 59974
	Replaced washers 120901 and 112130 with 320226 and 320225.	ECN 60546
	Replaced bolt 136132 (x2) with bolts 136141 and 184681.	ECN 56930
<i>8 Mechanical Drives – R113, page 21</i>	Replaced washer 120901 with 320226.	ECN 60546
<i>9 Mechanical Drives – R116, page 23</i>	Replaced washer 120901 with 320226.	ECN 60546
<i>10 90° Drive Gearbox – Internal Components, page 25</i>	Added double-lip seal 257061 as a service part for gearbox kit 257187. Added footnotes to seal 257061 and O-ring 257150.	ECN 60669
<i>13 Roll Conditioner – Polyurethane/Steel, page 31</i>	Replaced washer 30441 with 120901. Revised callout designations in illustration. Updated illustration from 1015058 to 1036373.	ECN 55998
	Replaced washers 120901 and 112130 with 320226 and 320225.	ECN 60992
<i>15 Roll Conditioner – Shields, page 37</i>	Replaced washer 120901 with 320226.	ECN 60546
<i>17 No Conditioner Option – Shields, page 45</i>	Replaced washer 120901 with 320226.	ECN 60546
<i>23 Hydraulic Drive – R113 and R116 to M155E4, page 59</i>	Washer 18637 replaced by 30191 in Split Flange kit 112866.	ECN 59608

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1 Cutterbar – R113



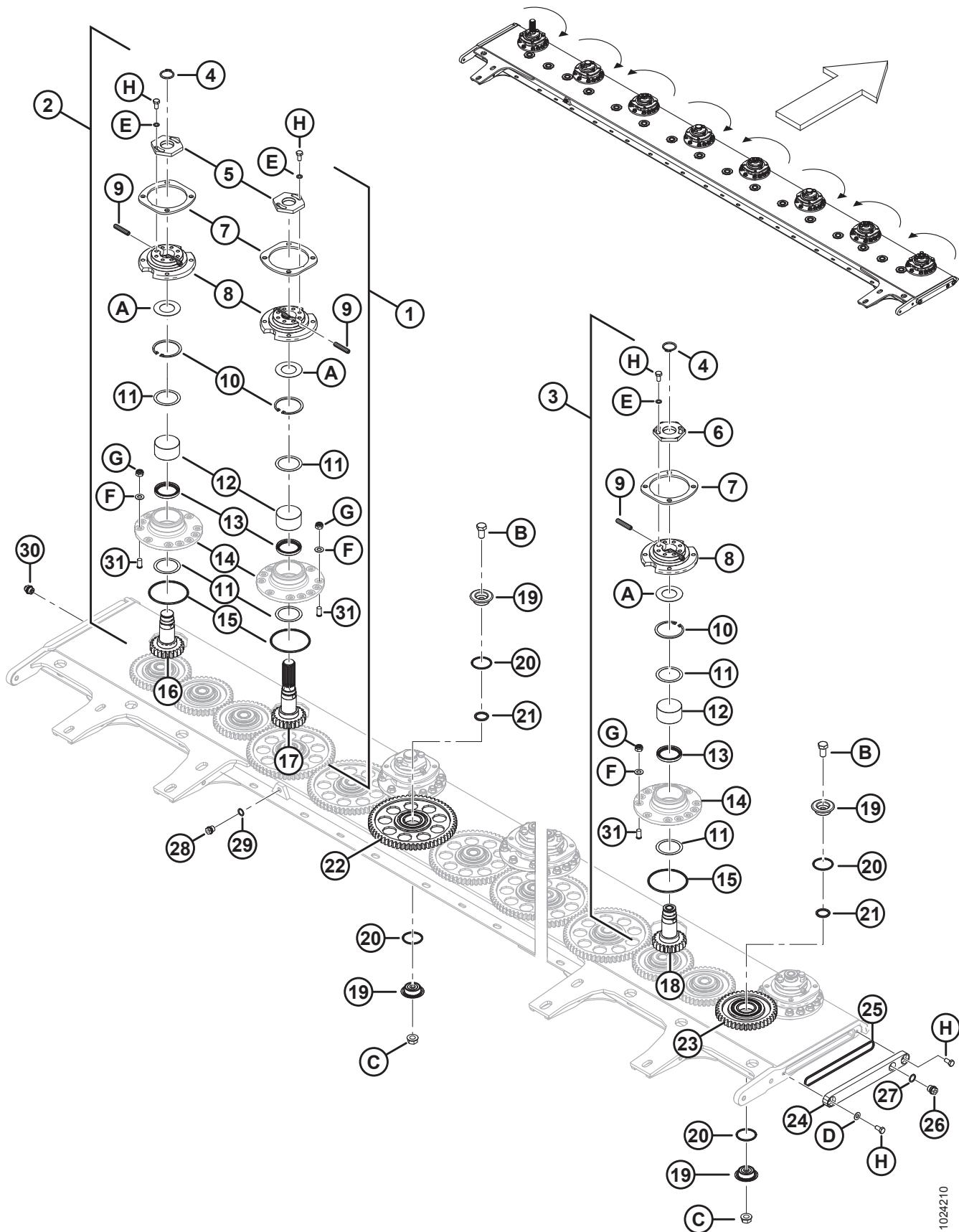
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CUTTERBAR – R113

Ref	Part Number	Description	Qty	Serial Number
1	246236	SPINDLE – DRIVE ¹	1	
2	246293	SPINDLE – CLOCKWISE ¹	3	
3	246294	SPINDLE – COUNTER CLOCKWISE ¹	4	
4	259048	RING – RETAINING	7	
5	246612	NUT – SPECIAL (RH THREAD) ²	4	
6	246613	NUT – SPECIAL (LH THREAD) ²	4	
7	247923	PLATE – SPACER	8	285420–
	247616	PLATE – SPACER (2015 ONLY)	8	266820–285419
8	246614	HUB – SPINDLE	8	
9	246295	PIN – SHEAR	16	
10	246617	RING – SNAP	8	
11	247936	SHIM	8	
12	246328	BEARING – TAPER ROLLER	8	
13	247937	SEAL	8	
14	NSS	HOUSING – BEARING ³		
15	246316	O-RING – SPINDLE	8	
16	246623	GEAR – CLOCKWISE (RH THREAD)	3	
17	246622	GEAR – DRIVE, CLOCKWISE (RH THREAD)	1	
18	246624	GEAR – COUNTER CLOCKWISE (LH THREAD)	4	
19	246330	PIN – IDLER GEAR	32	
20	246315	O-RING – IDLER PIN	32	
21	246331	O-RING – IDLER PIN	16	
22	246308	GEAR – IDLER, LARGE, C/W BEARING ⁴	10	
23	246307	GEAR – IDLER, SMALL, C/W BEARING ⁴	6	
24	246309	CUTTERBAR – END CAP	2	–346189
	307175	CUTTERBAR – END CAP	2	346190–
25	247924	O-RING – END PLATE, 170 X 4.5 MM	2	
26	246631	PLUG – SIDE, M18 X 1.5	1	
27	246632	GASKET	1	
28	246627	PLUG	1	
29	246628	GASKET	1	
30	246318	BREATHER – CUTTERBAR	1	
31	246991	STUD – M12 X 25	88	
A	246615	WASHER – SPECIAL, BELLEVILLE		
B	246310	BOLT – M16, IDLER PIN		

1. Does not include spacer plate (MD #247616 or 247923), spindle O-ring (MD #246316), stud (MD #246991), or hardware F, G (MD #246630, 246332).
2. Wrench (MD #246314) is attached to header, and is used to loosen/tighten nut. For location of wrench, refer to Section *6 Cutterbar to Frame – R113, page 17*.
3. Not sold separately. Comes included with spindles (MD #246236, 246293, and 246294).
4. Includes bearing and snap ring. Bearing and snap ring not sold separately.

CUTTERBAR – R113

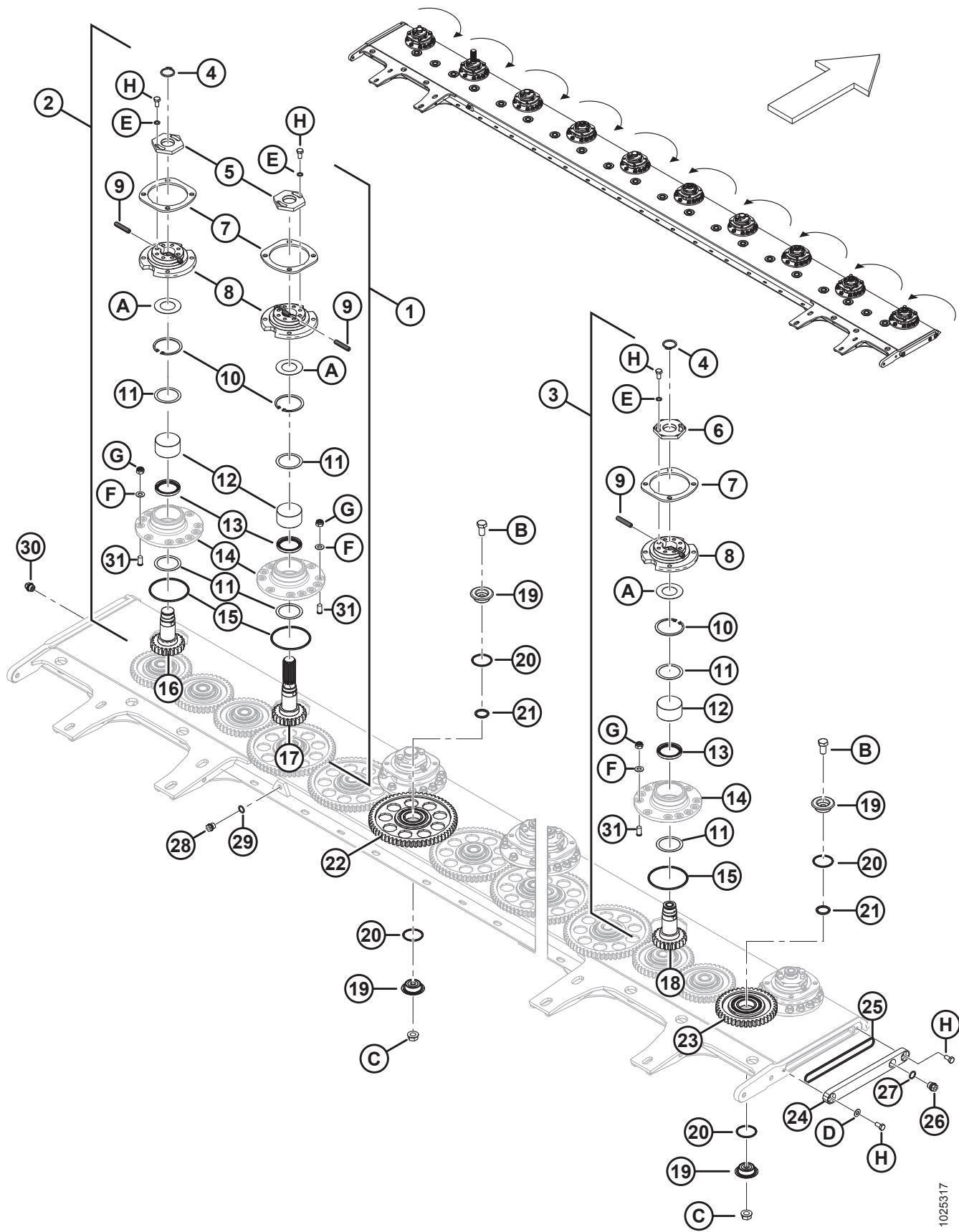


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CUTTERBAR – R113

Ref	Part Number	Description	Qty	Serial Number
C	246311	NUT – IDLER PIN		
D	246313	WASHER – END CAP		-346189
	238016	WASHER – END CAP		346190–
E	246625	WASHER – SPECIAL		
F	246630	WASHER – SPECIAL		
G	246332	NUT – M12, LOCKING		
H	246872	BOLT – M10, SPECIAL		-346189
	238015	BOLT – M12, SPECIAL		346190–

2 Cutterbar – R116



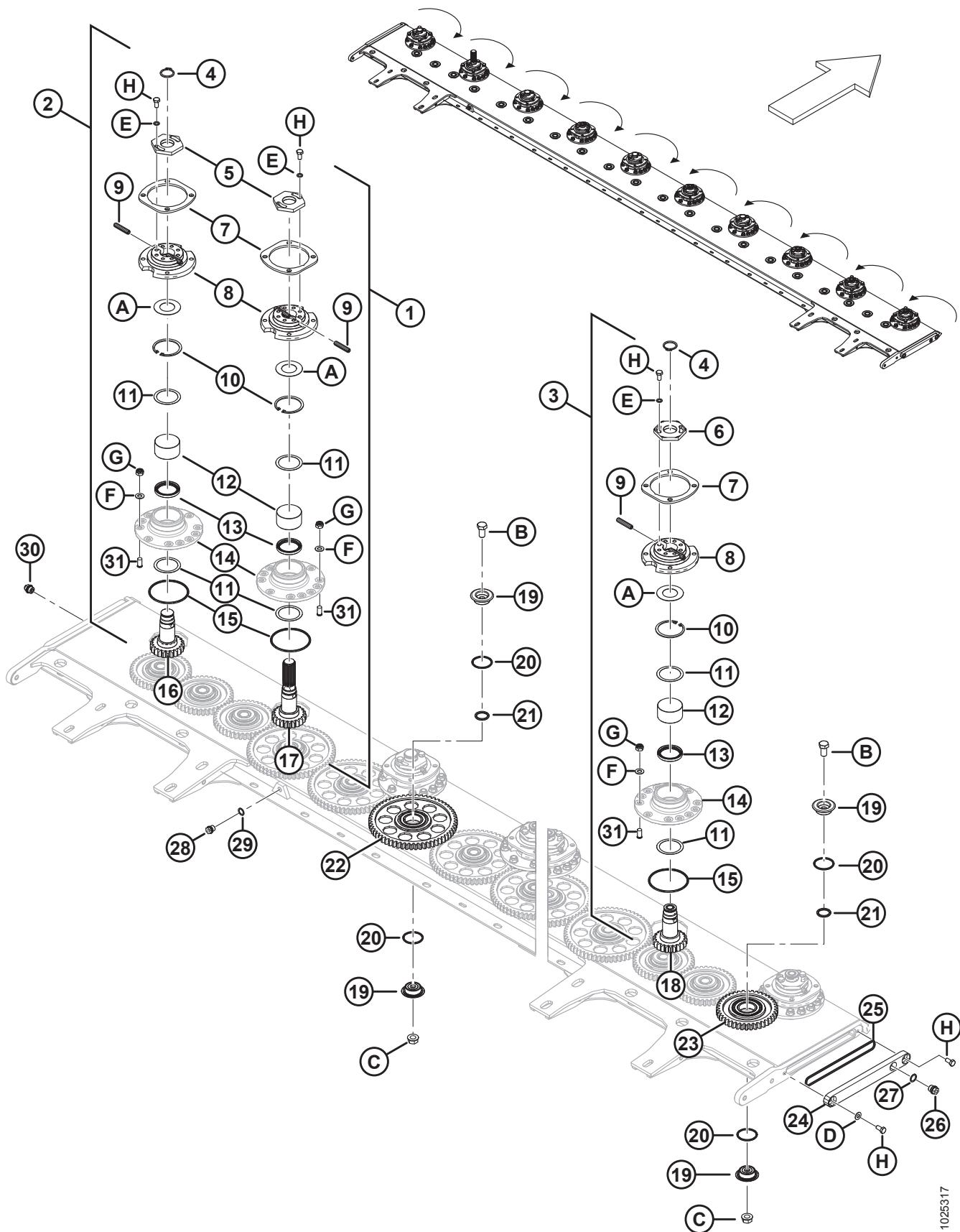
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CUTTERBAR – R116

Ref	Part Number	Description	Qty	Serial Number
1	246236	SPINDLE – DRIVE ⁵	1	
2	246293	SPINDLE – CLOCKWISE	4	
3	246294	SPINDLE – COUNTER CLOCKWISE ⁵	5	
4	259048	RING – RETAINING	9	
5	246612	NUT – SPECIAL (RH THREAD) ⁶	5	
6	246613	NUT – SPECIAL (LH THREAD) ⁶	5	
7	247923	PLATE – SPACER	10	285420–
	247616	PLATE – SPACER (2015 ONLY)	10	266820–285419
8	246614	HUB – SPINDLE	10	
9	246295	PIN – SHEAR	20	
10	246617	RING – SNAP	10	
11	247936	SHIM	10	
12	246328	BEARING – TAPER ROLLER	10	
13	247937	SEAL	10	
14	NSS	HOUSING – BEARING ⁷		
15	246316	O-RING – SPINDLE	10	
16	246623	GEAR – CLOCKWISE (RH THREAD)	4	
17	246622	GEAR – DRIVE, CLOCKWISE (RH THREAD)	1	
18	246624	GEAR – COUNTER CLOCKWISE (LH THREAD)	5	
19	246330	PIN – IDLER GEAR	40	
20	246315	O-RING – IDLER PIN	40	
21	246331	O-RING – IDLER PIN	20	
22	246308	GEAR – IDLER, LARGE, C/W BEARING ⁸	14	
23	246307	GEAR – IDLER, SMALL, C/W BEARING ⁸	6	
24	246309	CUTTERBAR – END CAP	2	–346189
	307175	CUTTERBAR – END CAP	2	346190–
25	247924	O-RING – END PLATE, 170 X 4.5 MM	2	
26	246631	PLUG – SIDE, M18 X 1.5	1	
27	246632	GASKET	1	
28	246627	PLUG	1	
29	246628	GASKET	1	
30	246318	BREATHER – CUTTERBAR	1	
31	246991	STUD – M12 X 25	110	
A	246615	WASHER – SPECIAL, BELLEVILLE		
B	246310	BOLT – M16, IDLER PIN		

- 5. Does not include spacer plate (MD #247616 or 247923), spindle O-ring (MD #246316), stud (MD #246991), or hardware (MD #246630, 246332).
- 6. Wrench (MD #246314) is attached to header, and is used to loosen/tighten nut. For location of wrench, refer to Section *7 Cutterbar to Frame – R116, page 19*.
- 7. Not sold separately. Comes included with spindles (MD #246236, 246293, and 246294).
- 8. Includes bearing and snap ring. Bearing and snap ring not sold separately.

CUTTERBAR – R116

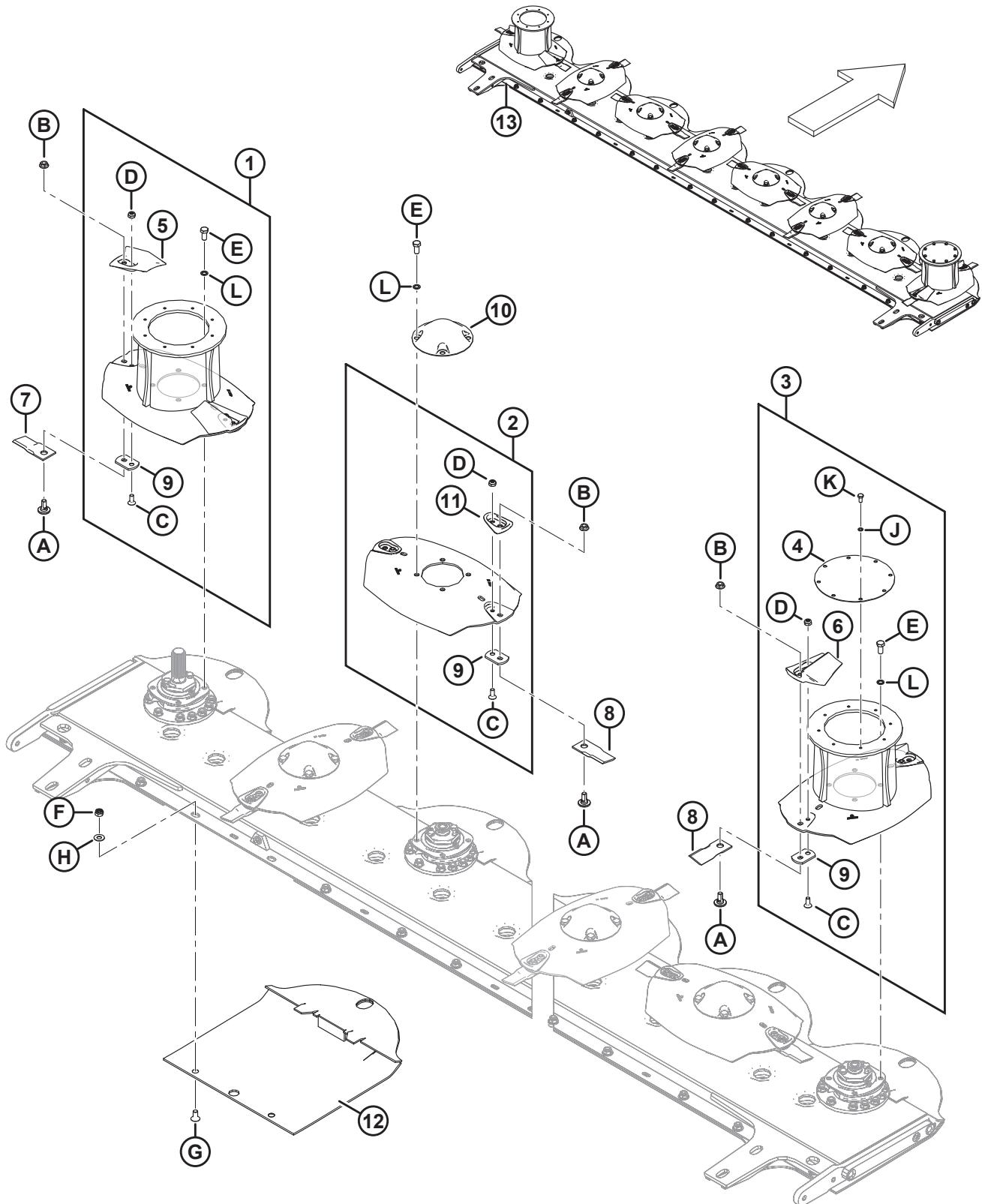


1025317

CUTTERBAR – R116

Ref	Part Number	Description	Qty	Serial Number
C	246311	NUT – IDLER PIN		
D	246313	WASHER – END CAP		-346189
	238016	WASHER – END CAP		346190–
E	246625	WASHER – SPECIAL		
F	246630	WASHER – SPECIAL		
G	246332	NUT – M12, LOCKING		
H	246872	BOLT – M10, SPECIAL		-346189
	238015	BOLT – M12, SPECIAL		346190–

3 Cutterbar Components – R113, 2017



1027297

CUTTERBAR COMPONENTS – R113, 2017

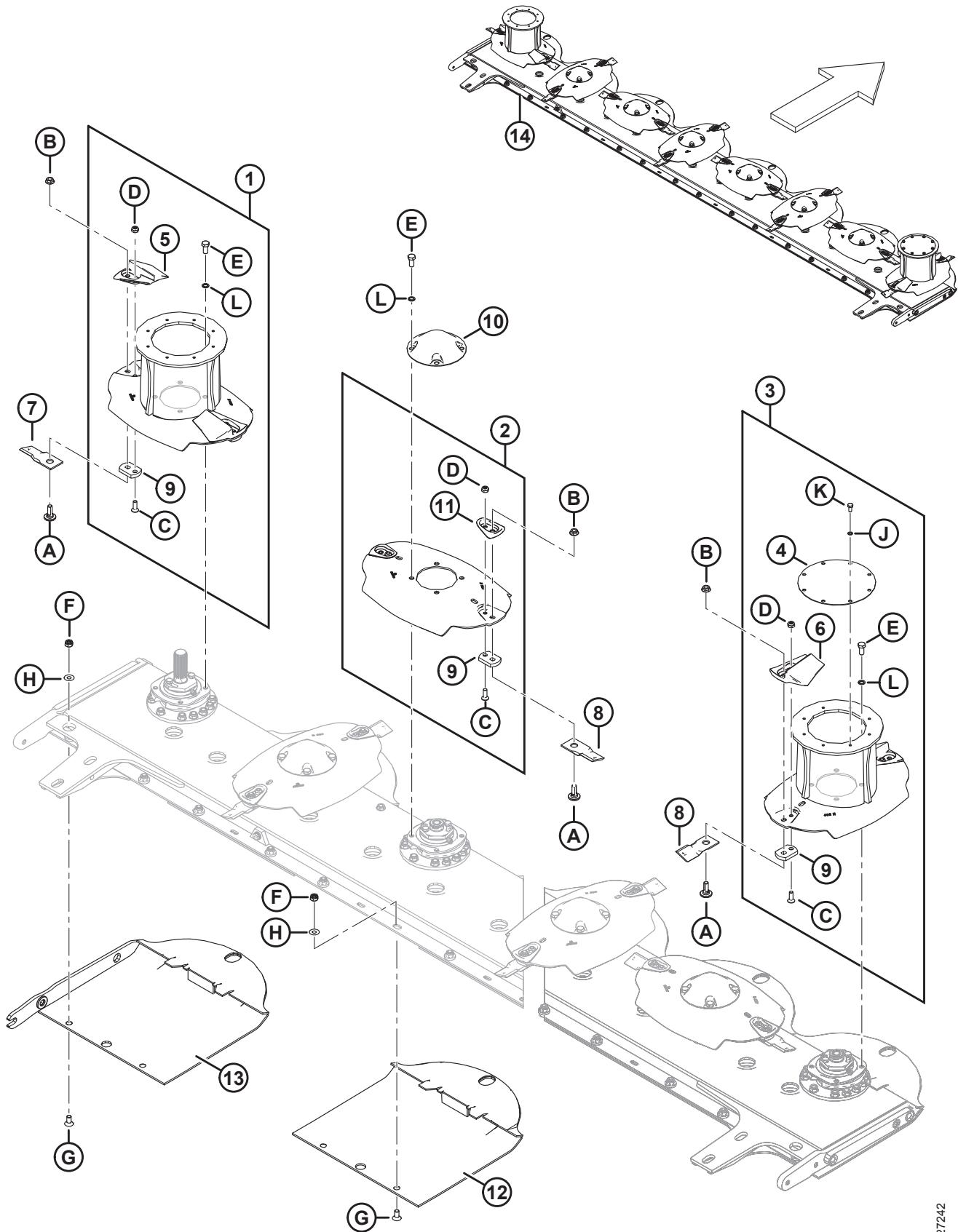
IMPORTANT:

All cutting components, blades, and hardware should be replaced in pairs to maintain balance. Avoid mixing blades from different model years. 5 mm blade plate (MD #246301) requires accelerator bolt (MD #281965) and blade bolt (MD #246299).

Ref	Part Number	Description	Qty	Serial Number
1	247242	ASSEMBLY – CW DRUM, 402 MM (DRIVE) ⁹	1	-321189
2	281753	ASSEMBLY – DISC, 425 MM¹⁰	6	-321189
3	247243	ASSEMBLY – CCW DRUM, 402 MM ¹⁰	1	-321189
4	246291	PLATE – DRUM COVER	1	-321189
5	281966	ACCELERATOR – CW (PAIR)	1	-321189
6	281967	ACCELERATOR – CCW (PAIR)	1	-321189
7	281446	BLADE – 11° CW BEVEL DOWN (6 PACK) ¹¹	2	-321189
8	281447	BLADE – 11° CCW BEVEL DOWN (6 PACK) ¹¹	2	-321189
9	246301	PLATE – BLADE, 5 MM	16	-321189
10	246305	COVER – DISC	6	-321189
11	247940	GUARD – DISC HARDWARE (PAIR)	6	-321189
12	281609	ROCKGUARD	8	-321189
13	259518	KIT – CUTTERBAR 8 DISC ¹²	A/R	
A	246299	BOLT – BLADE		
B	246300	NUT – BLADE		
C	281965	BOLT – ACCELERATOR		
D	246303	NUT – ACCELERATOR		
E	246312	BOLT – M12, DISC COVER		
F	246332	NUT – NYLON INSERT LOCK M12 X 1.75 ZN PL CL-10		
G	259099	BOLT – COUNTERSUNK, M12		
H	259100	WASHER – FLAT, M12		
J	246633	WASHER – SPECIAL, M8		
K	246882	BOLT – M8, SPECIAL		
L	246952	WASHER – M12, LOCKING, DISC		

-
9. Assembly does not include blades (MD #281446, 281447) or blade hardware (MD #246299, 246300). It does include a top cover plate that will need to be removed before use.
 10. Assembly does not include blades (MD #281446, 281447) or blade hardware (MD #246299, 246300).
 11. Replacement blades are sold in packages of six. To replace all blades, two packages of each clockwise (CW) and counterclockwise (CCW) blades are required.
 12. Kit can be used to update or replace a complete 2017 cutterbar (except blades and blade hardware) to current standards. Kit includes reinforced cutterbar endcaps (MD #307175), hardware (MD #238015 and 238016), reinforced rockguards (MD #238031 and 238032), and drive alignment tool (MD #325683).

4 Cutterbar Components – R113, 2018 and Later



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CUTTERBAR COMPONENTS – R113, 2018 AND LATER

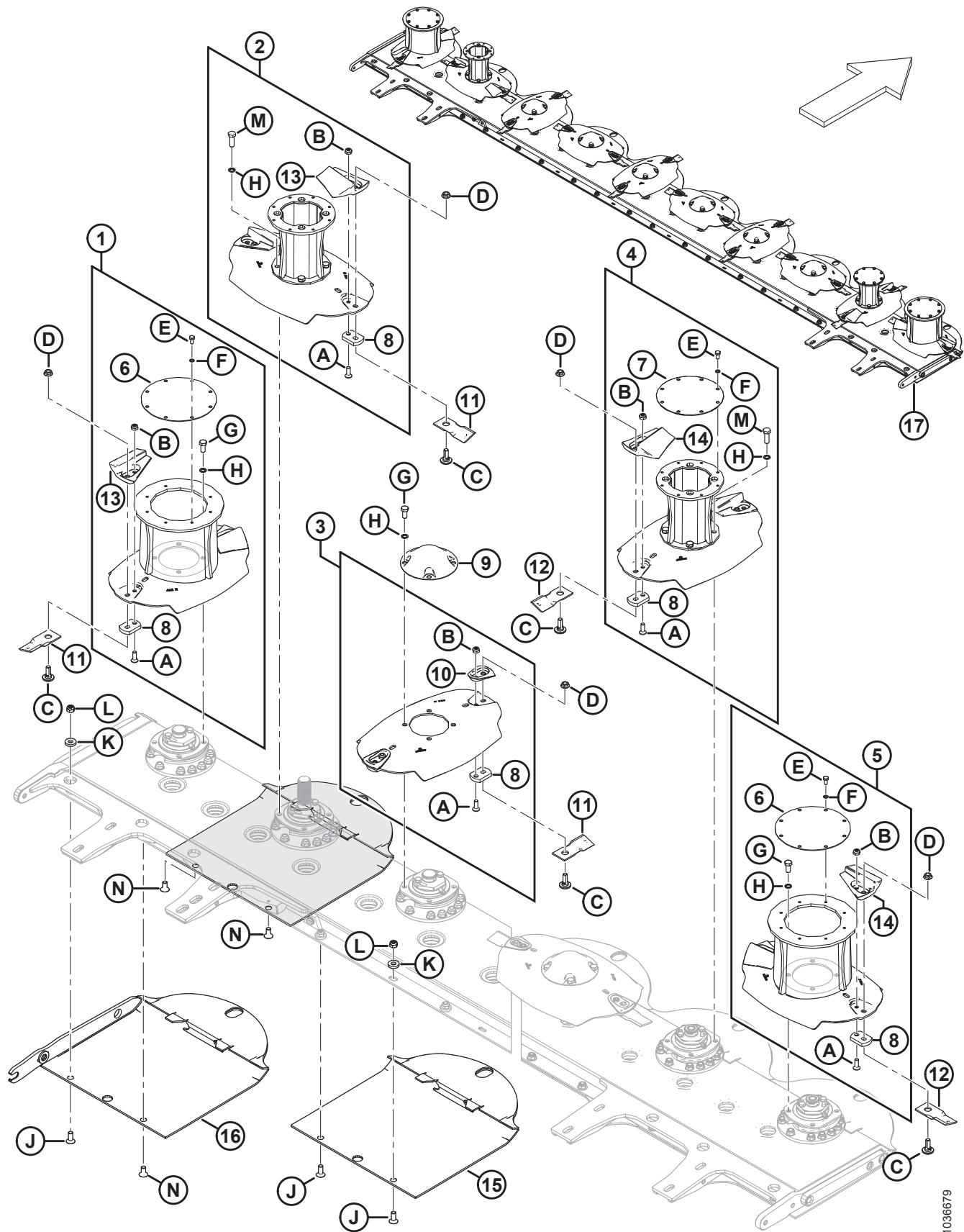
IMPORTANT:

All cutting components, blades, and hardware should be replaced in pairs to maintain balance. Avoid mixing blades from different model years. 10 mm blade plate (MD #281606) requires accelerator bolt (MD #281605) and blade bolt (MD #281604).

Ref	Part Number	Description	Qty	Serial Number
1	281366	ASSEMBLY – CW DRUM, 402 MM (DRIVE) ¹³	1	321190–
2	281370	ASSEMBLY – DISC, 425 MM ¹⁴	6	321190–
3	281367	ASSEMBLY – CCW DRUM, 402 MM ¹⁴	1	321190–
4	246291	PLATE – DRUM COVER	1	321190–
5	281966	ACCELERATOR – CW (PAIR)	1	321190–
6	281967	ACCELERATOR – CCW (PAIR)	1	321190–
7	259199	BLADE – 18° CW BEVEL DOWN (6 PACK) ¹⁵	2	321190–
8	259200	BLADE – 18° CCW BEVEL DOWN (6 PACK) ¹⁵	2	321190–
9	281606	PLATE – BLADE, 10 MM	16	321190–
10	246305	COVER – DISC	6	321190–
11	247940	GUARD – DISC HARDWARE (PAIR)	6	321190–
12	281609	ROCKGUARD	8	321190–
13	238031	ROCKGUARD – REINFORCED, LH	1	346190–
	238032	ROCKGUARD – REINFORCED, RH	1	346190–
	238026	KIT – REINFORCED ROCKGUARD ¹⁶	A/R	
14	259518	KIT – CUTTERBAR 8 DISC ¹⁷	A/R	
A	281604	BOLT – BLADE		
B	246300	NUT – BLADE		
C	281605	BOLT – ACCELERATOR		
D	246303	NUT – ACCELERATOR		
E	246312	BOLT – M12, DISC COVER		
F	246332	NUT – NYLON INSERT LOCK M12 X 1.75 ZN PL CL-10		
G	259099	BOLT – COUNTERSUNK, M12		
H	259100	WASHER – FLAT, M12		
J	246633	WASHER – SPECIAL, M8		
K	246882	BOLT – M8, SPECIAL		
L	246952	WASHER – M12, LOCKING, DISC		

-
- 13. Assembly does not include blades (MD #259199, 259200) or blade hardware (MD #281604, 246300). It does include a top cover plate that will need to be removed before use.
 - 14. Assembly does not include blades (MD #259199, 259200) or blade hardware (MD #281604, 246300).
 - 15. Replacement blades are sold in packages of six. To replace all blades, two packages of each clockwise (CW) and counterclockwise (CCW) blades are required.
 - 16. Kit includes LH and RH reinforced rockguards (MD #238031 and 238032), lower gearbox mount bracket (MD #238054), and hardware (MD #184681 and 136141). Lower gearbox mount bracket required only on R113 to eliminate interference with conditioner.
 - 17. Kit used to replace or update complete cutterbar except blades and blade hardware. Kit includes reinforced cutterbar endcaps (MD #307175), hardware (MD #238015 and 238016), reinforced rockguards (MD #238031 and 238032), and drive alignment tool (MD #325683).

5 Cutterbar Components – R116



1036679

CUTTERBAR COMPONENTS – R116

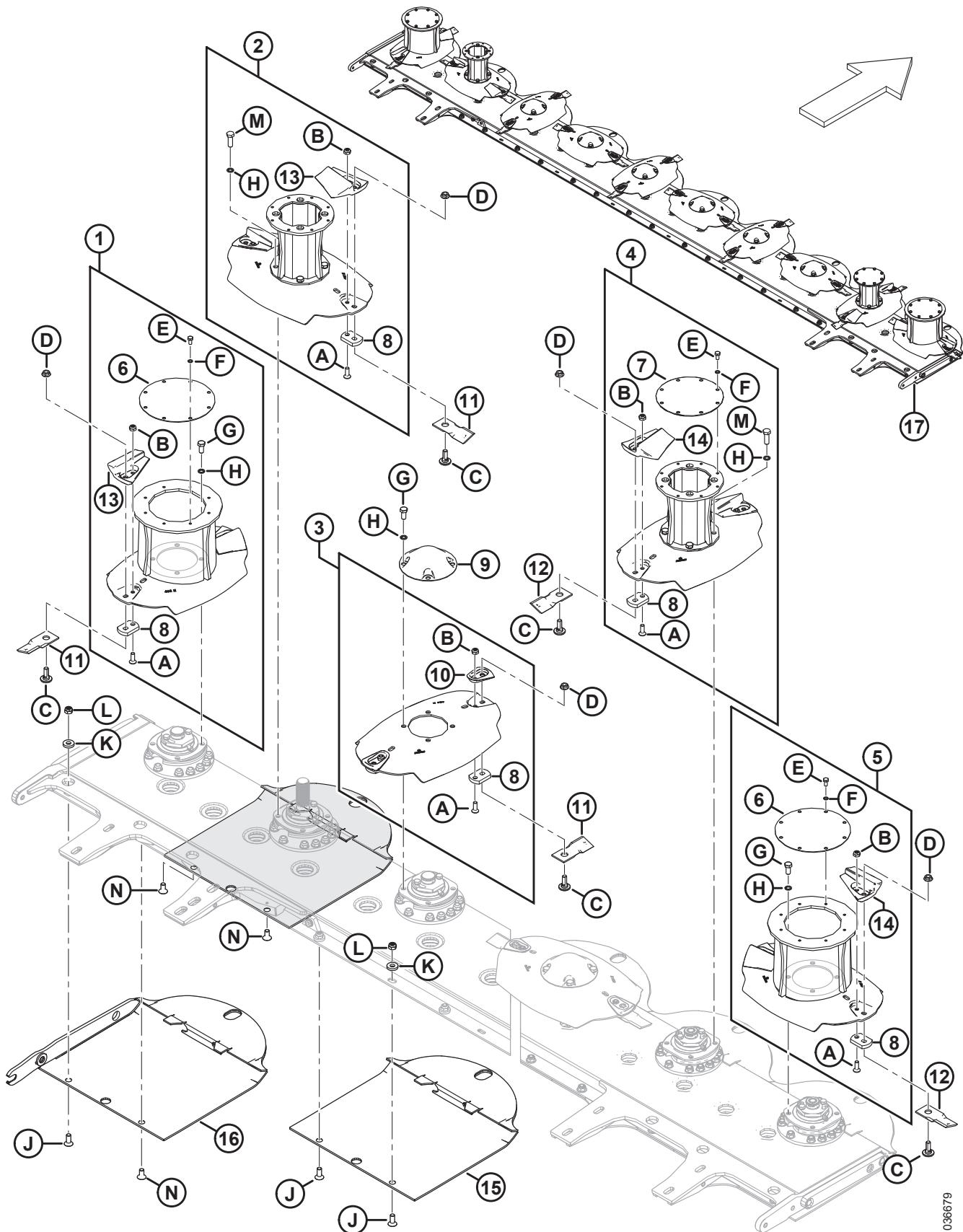
IMPORTANT:

All cutting components, blades, and hardware should be replaced in pairs to maintain balance. Avoid mixing blades from different model years. 10 mm blade plate (MD #281606) requires accelerator bolt (MD #281605) and blade bolt (MD #281604).

Ref	Part Number	Description	Qty	Serial Number
1	281366	ASSEMBLY – CW DRUM, 402 MM ¹⁸	1	
2	257085	ASSEMBLY – CW DRUM, 425 MM DRIVE ¹⁸	1	
3	281370	ASSEMBLY – DISC, 425 MM ¹⁹	6	
4	257086	ASSEMBLY – CCW DRUM, 425 MM ¹⁸	1	
5	281367	ASSEMBLY – CCW DRUM, 402 MM ¹⁸	1	
6	246291	PLATE – DRUM COVER	2	
7	280504	PLATE – DRUM COVER	1	
8	281606	PLATE – BLADE, 10 MM	20	
9	246305	COVER – DISC	6	
10	247940	GUARD – DISC HARDWARE (PAIR)	6	
11	259199	BLADE – 18° CW BEVEL DOWN (6 PACK) ²⁰	2	
12	259200	BLADE – 18° CCW BEVEL DOWN (6 PACK) ²⁰	2	
13	281966	ACCELERATOR – CW (PAIR)	4	
14	281967	ACCELERATOR – CCW (PAIR)	4	
15	281609	ROCKGUARD	10	
16	238031	ROCKGUARD – REINFORCED, LH	1	346190–
	238032	ROCKGUARD – REINFORCED, RH	1	346190–
	238026	KIT – REINFORCED ROCKGUARD ²¹	A/R	
17	238195	KIT – CUTTERBAR 10 DISC ²²	A/R	
A	281605	BOLT – ACCELERATOR		
B	246303	NUT – ACCELERATOR		
C	281604	BOLT – BLADE		
D	246300	NUT – BLADE		
E	246882	BOLT – HEX HEAD M8 SPECIAL		
F	246633	WASHER – SPECIAL M8 ZN PL		
G	246312	BOLT – M12 DISC COVER		
H	246952	WASHER – M12 LOCKING DISC		

-
- 18. Assembly does not include blades (MD #259199, 259200) or blade hardware (MD #281604, 246300).
 - 19. Assembly does not include blades (MD #259199, 259200), blade hardware (MD #281604, 246300), disc cover (MD #246305), or disc hardware (MD #246312, 246952).
 - 20. Replacement blades are sold in packages of six. To replace all blades, two packages of each clockwise (CW) and counterclockwise (CCW) blades are required.
 - 21. Kit includes LH and RH reinforced rockguards (MD #238031 and 238032), lower gearbox mount bracket (MD #238054), and hardware (MD #184681 and 136141). Lower gearbox mount bracket required only on R113 to eliminate interference with conditioner.
 - 22. Kit used to replace or update complete cutterbar except blades and blade hardware. Kit includes reinforced cutterbar endcaps (MD #307175), hardware (MD #238015 and 238016), reinforced rockguards (MD #238031 and 238032), and drive alignment tool (MD #325683).

CUTTERBAR COMPONENTS – R116

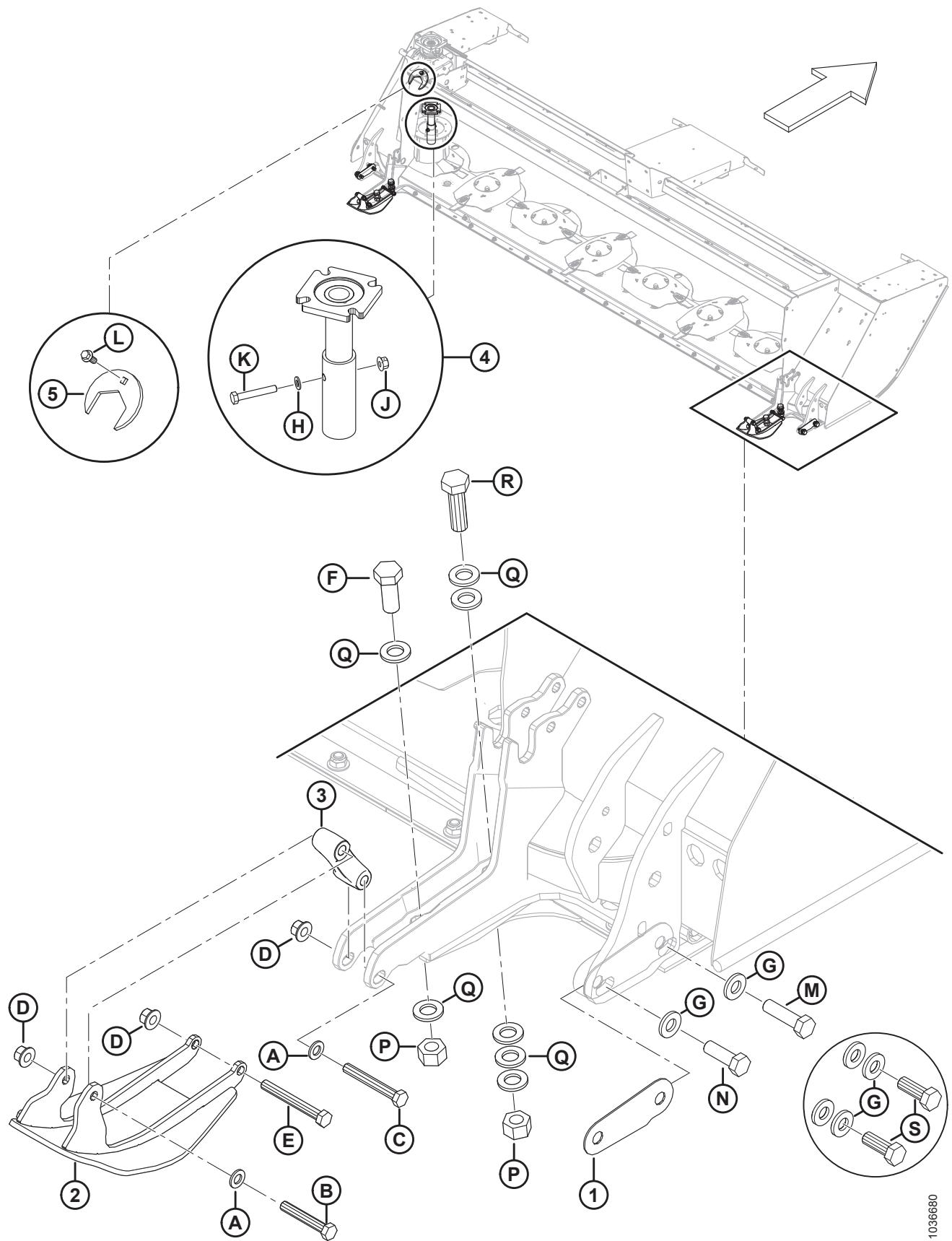


1036679

CUTTERBAR COMPONENTS – R116

Ref	Part Number	Description	Qty	Serial Number
J	259099	BOLT – COUNTERSUNK, M12		
K	259100	WASHER – FLAT, M12		
L	246332	NUT – NYLON INSERT LOCK M12 X 1.75 ZN PL CL-10		
M	281697	BOLT – M12 DISC		
N	338800	BOLT – FLAT CSK		

6 Cutterbar to Frame – R113



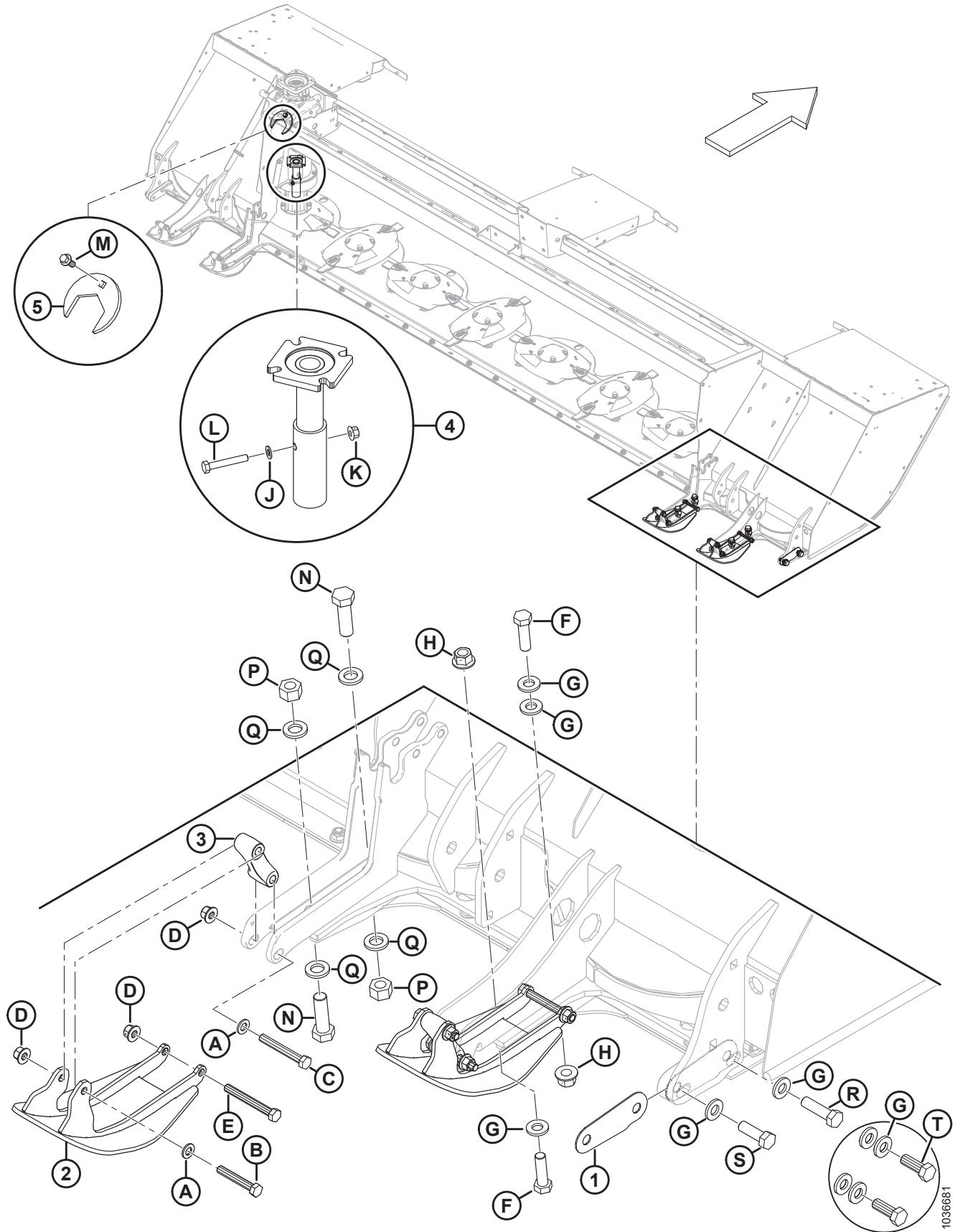
1036680

CUTTERBAR TO FRAME – R113

Ref	Part Number	Description	Qty	Serial Number
1	247206	SHIM – CUTTERBAR ²³	A/R	
2	257096	SHOE – WELDMENT	2	
3	238147	LINK – CAST	2	
4	325683	ASSEMBLY – TOOL, DRIVE ALIGNMENT ²⁴	A/R	
5	246314	WRENCH – SAFECUT NUT ²⁵	1	
A	184714	WASHER – FLAT REG M12-300HV-A3L		
B	135155	BOLT – HEX HD M12 X 1.75 X 75-8.8-A3L		
C	184673	BOLT – HEX HD M12 X 1.75 X 90-10.9-A3L		
D	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10-A3L		
E	184672	BOLT – HEX HD M12 X 1.75 X 100-10.9-A3L		
F	136082	BOLT – HEX HD TFL M20 X 2.5 X 50-8.8-AA3L		
G	320226	WASHER – HARD M16-300HV-ZINC ²⁶		
H	184711	WASHER – FLAT REG M10-200HV-A3L		
J	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10-A3L		
K	108172	BOLT – HEX HD M10 X 1.5 X 65-8.8-A3L		
L	148798	BOLT – HEX FLG HD M12 X 1.75 X 30-10.9-A3L		
M	136141	BOLT – HEX HD M16 X 2 X 60-8.8-AA1J ²⁷		346190–
N	184681	BOLT – HEX HD M16 X 2 X 50-8.8-AA1J ²⁷		346190–
P	136124	NUT – HEX M20 X 2.5-10-A3L		
Q	320225	WASHER – HARD M20-300HV-ZINC		
R	136157	BOLT – HEX HD M20 X 2.5 X 65-10.9-A3L		
S	136132	BOLT – HEX HD TFL M16 X 2 X 45-8.8-A3L ²⁸		-346189

-
- 23. Shim both sides of the header evenly as required to a maximum gap of 2 mm per side before tightening bolts.
 - 24. Use drive alignment tool to achieve proper alignment (+/- 3.2 mm or 1/8 in.) between 90° drive gearbox hub and cutterbar driveshaft. Tool not supplied with header; includes hardware (MD #184711, 135799, and 108172).
 - 25. Wrench is attached to header. Used to loosen/tighten special nuts (MD #246612 and 246613). Refer to Section [1 Cutterbar – R113, page 1](#).
 - 26. If reinforced outboard rock guards (MD #238031 and 238032) are installed, use one washer per bolt at the ends of the cutterbar. If reinforced outboard rock guards are not installed, use two washers per bolt.
 - 27. Used on model year 2019 and later headers, and model year 2018 and prior headers that have the Reinforced Rock Guard kit (MD #238026) installed.
 - 28. Used on model year 2018 and prior headers without the Reinforced Rock Guard kit (MD #238026) installed.

7 Cutterbar to Frame – R116

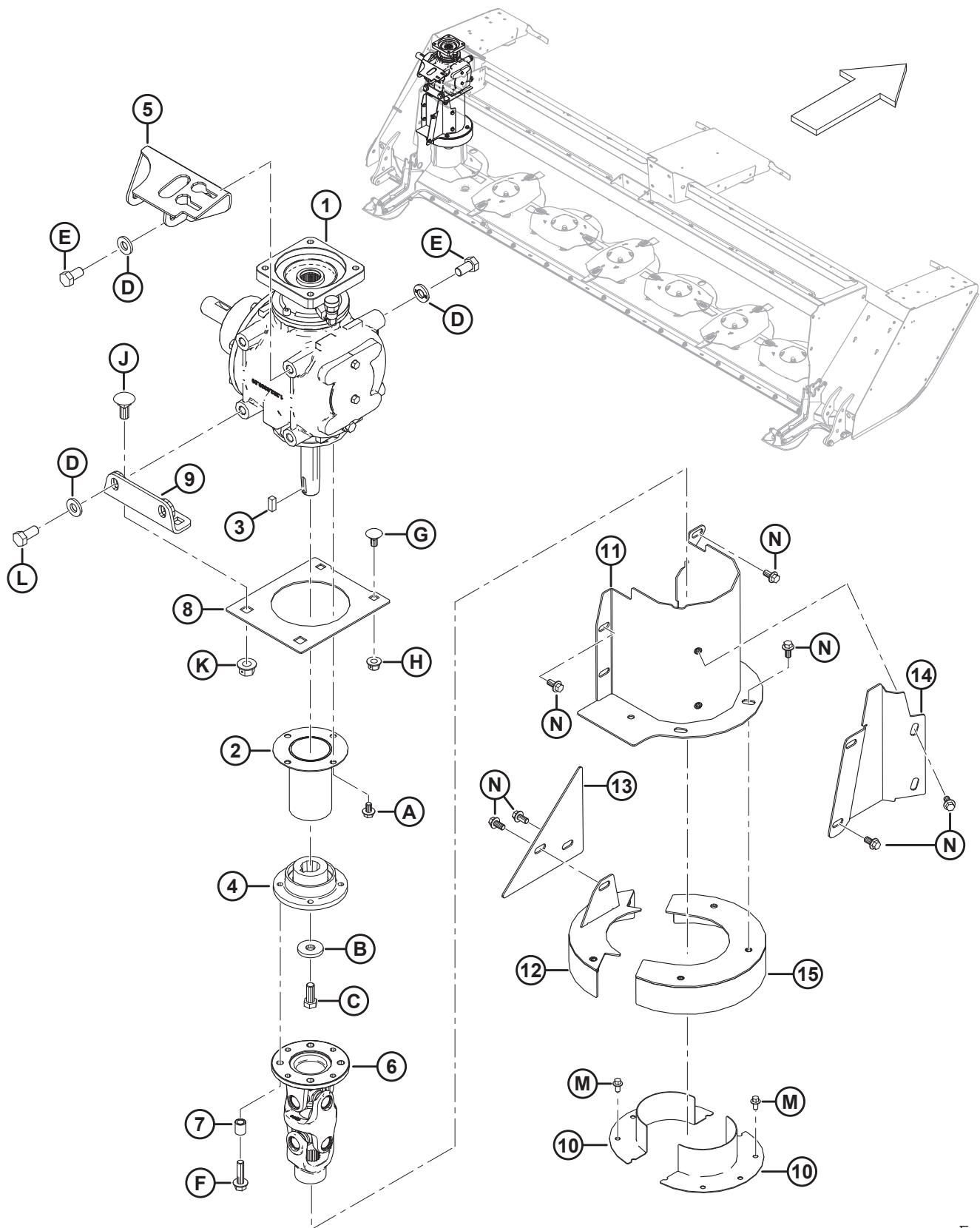


CUTTERBAR TO FRAME – R116

Ref	Part Number	Description	Qty	Serial Number
1	247206	SHIM – CUTTERBAR ²⁹	A/R	
2	257096	SHOE – WELDMENT	4	
3	238147	LINK – CAST	4	
4	325683	ASSEMBLY – TOOL, DRIVE ALIGNMENT ³⁰	A/R	
5	246314	WRENCH – SAFECUT NUT ³¹	1	
A	184714	WASHER – FLAT REG M12-300HV-A3L		
B	135155	BOLT – HEX HD M12 X 1.75 X 75-8.8-A3L		
C	184673	BOLT – HEX HD M12 X 1.75 X 90-10.9-A3L		
D	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10-A3L		
E	184672	BOLT – HEX HD M12 X 1.75 X 100-10.9-A3L		
F	136717	BOLT – HEX HD TFL M16 X 2 X 45-8.8-A3L		
G	320226	WASHER – HARD M16-300HV-ZINC ³²		
H	136440	NUT – HEX FLG CTR LOC M16 X 2-10-A3L		
J	184711	WASHER – FLAT REG M10-200HV-A3L		
K	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10-A3L		
L	108172	BOLT – HEX HD M10 X 1.5 X 65-8.8-A3L		
M	148798	BOLT – HEX FLG HD M12 X 1.75 X 30-10.9-A3L		
N	136157	BOLT – HEX HD M20 X 2.5 X 65-10.9-AA1J		
P	136124	NUT – HEX M20 X 2.5-10-A3L		
Q	320225	WASHER – HARD M20-300HV-ZINC		
R	136141	BOLT – HEX HD M16 X 2 X 60-8.8-AA1J ³³		346190–
S	184681	BOLT – HEX HD M16 X 2 X 50-8.8-AA1J ³³		346190–
T	136132	BOLT – HEX HD TFL M16 X 2 X 45-8.8-A3L ³⁴		-346189

-
29. Shim both sides of the header evenly as required to a maximum gap of 2 mm per side before tightening bolts.
30. Use drive alignment tool to achieve proper alignment (+/- 3.2 mm or 1/8 in.) between 90° drive gearbox hub and cutterbar driveshaft. Tool not supplied with header; includes hardware (MD #184711, 135799, and 108172).
31. Wrench is attached to header. Used to loosen/tighten special nuts (MD #246612, 246613). Refer to Section 2 *Cutterbar – R116, page 5*.
32. If reinforced outboard rock guards (MD #238031 and 238032) are installed, use one washer per bolt at the ends of the cutterbar. If reinforced outboard rock guards are not installed, use two washers per bolt.
33. Used on model year 2019 and later headers, and model year 2018 and prior headers that have the Reinforced Rock Guard kit (MD #238026) installed.
34. Used on model year 2018 and prior headers without the Reinforced Rock Guard kit (MD #238026) installed.

8 Mechanical Drives – R113



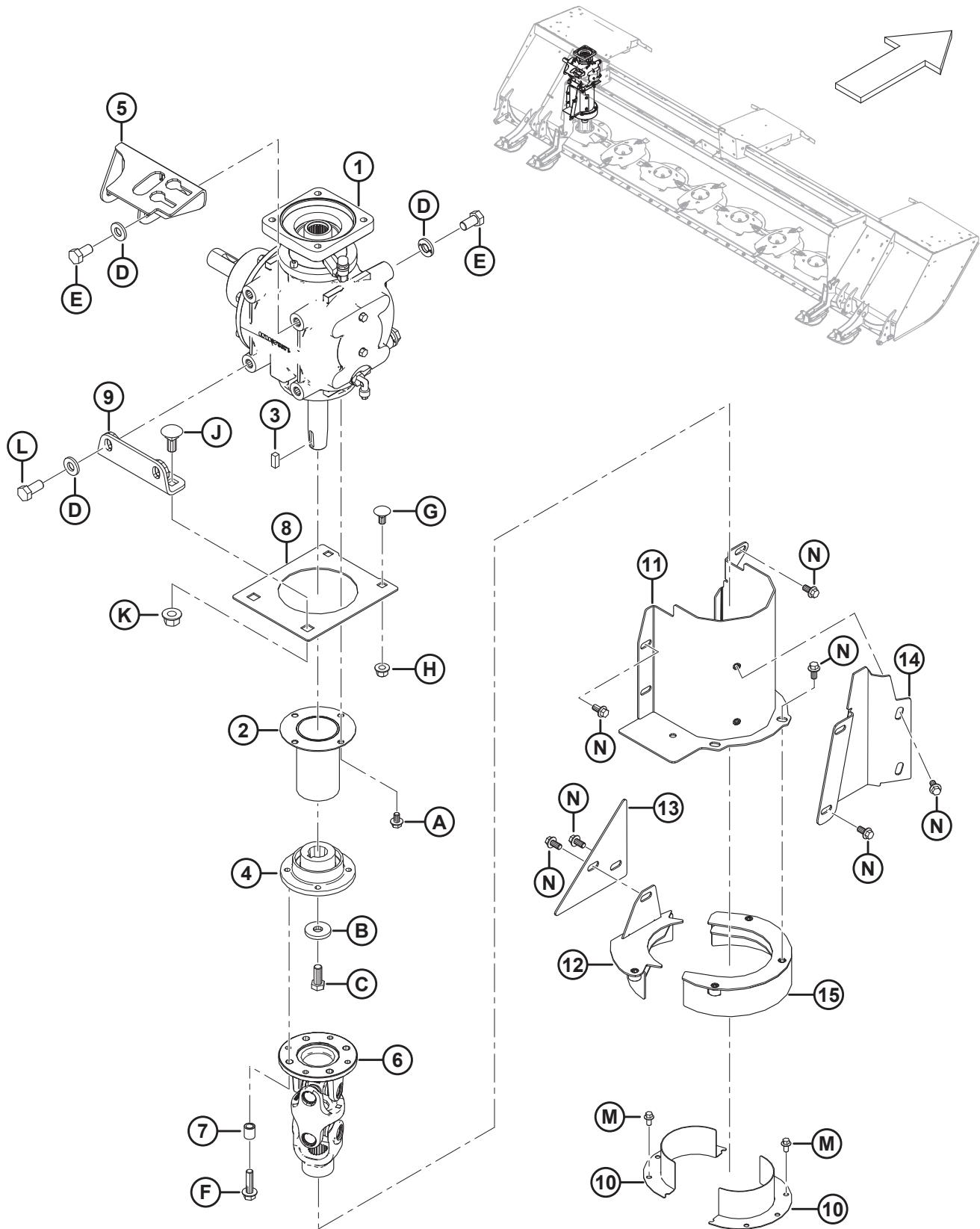
1024411

MECHANICAL DRIVES – R113

Ref	Part Number	Description	Qty	Serial Number
1	257187	KIT – GEARBOX ³⁵	1	321190–
	257174	KIT – GEARBOX ³⁶	1	–321189
2	256372	SHIELD – WELDMENT	1	
3	222269	KEY	1	
4	247103	HUB – DRIVE	1	
5	256582	SUPPORT – TENSIONER WELDT	1	
6	259139	ASSEMBLY – DRIVELINE	1	
	259142	ASSEMBLY – CROSS JOURNAL, CENTER ZERK		
	247120	ASSEMBLY – CROSS JOURNAL, CAP ZERK		
	247121	YOKE		
	247122	YOKE – FLANGE		
7	222291	SPACER	4	
8	256352	PLATE – COVER	1	
9	256371	BRACKET	1	
10	246691	SHIELD WELD'T – DRUM	2	
11	256416	SHIELD – VERTICAL WELD'T	1	
12	246687	PLATE WELDMENT – BACK	1	
13	246770	PLATE – COVER	1	
14	256408	PLATE – SHIELD	1	
15	281378	DRUM – TOP	1	
A	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-A3L		
B	4762	WASHER – FLAT		
C	135491	BOLT – HEX HD TFL M14 X 2 X 35-8.8-A3L		
D	320226	WASHER – HARD M16-360HV-ZINC		
E	136143	BOLT – HEX HD TFL M16 X 2 X 30-10.9-A3L		
F	148799	BOLT – HEX FLG HD M12 X 1.75 X 45-10.9-A3L		
G	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-A3L		
H	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10-A3L		
J	152685	BOLT – RHSN M16 X 2 X 40-10.9-A3L		
K	136440	NUT – HEX FLG CTR LOC M16 X 2-10-A3L		
L	136137	BOLT – HEX HD TFL M16 X 2 X 35-8.8-A3L		
M	136485	BOLT – HEX FLG HD TFL M8 X 1.25 X 16-8.8-A3L		
N	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-A3L		

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35. Kit applies to 2018 and later model year units and is used to replace a damaged or faulty 90° drive gearbox. Kit includes 90° drive gearbox, drive alignment tool assembly (MD #325683), and R1 SP installation instruction. For 90° drive gearbox serviceable components, refer to Section [10 90° Drive Gearbox – Internal Components, page 25](#).
36. Kit applies to 2017 model year units only and is used to replace a damaged or faulty 90° drive gearbox. Kit includes gearbox kit (MD #257187), magnetic plug (MD #257060), and R1 gearbox service instruction. For 90° drive gearbox serviceable components, refer to Section [10 90° Drive Gearbox – Internal Components, page 25](#).

9 Mechanical Drives – R116



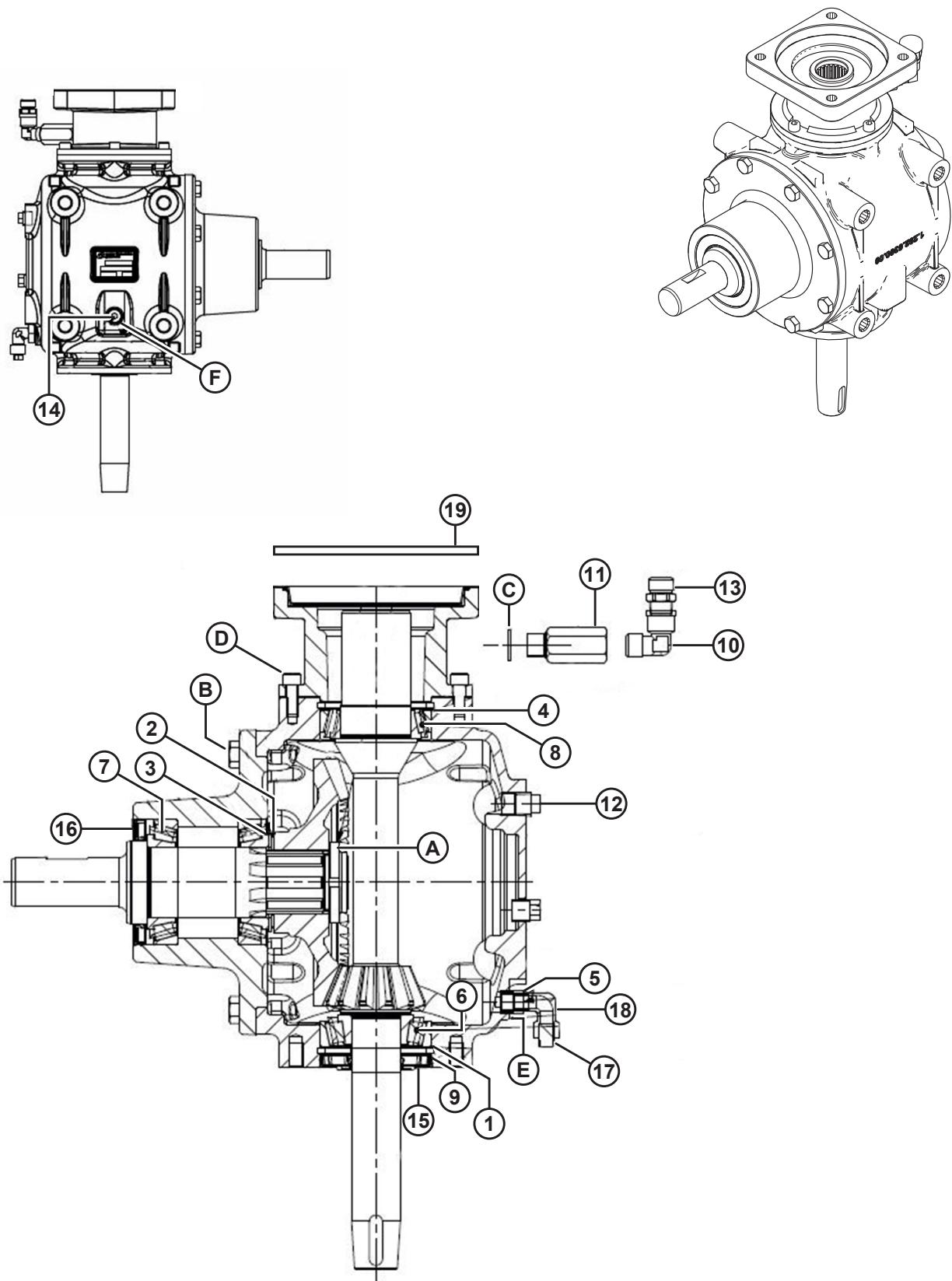
1024699

MECHANICAL DRIVES – R116

Ref	Part Number	Description	Qty	Serial Number
1	257187	KIT – GEARBOX ³⁷	1	321190–
	257174	KIT – GEARBOX ³⁸	1	–321189
2	256372	SHIELD – WELDMENT	1	
3	222269	KEY	1	
4	247103	HUB – DRIVE	1	
5	256582	SUPPORT – TENSIONER WELDT	1	
6	259139	ASSEMBLY – DRIVELINE	1	
	259142	ASSEMBLY – CROSS JOURNAL, CENTER ZERK		
	247120	ASSEMBLY – CROSS JOURNAL, CAP ZERK		
	247121	YOKE		
	247122	YOKE – FLANGE		
7	222291	SPACER	4	
8	256352	PLATE – COVER	1	
9	256371	BRACKET	1	
10	281497	SHIELD WELD'T – DRUM	2	
11	259115	SHIELD – VERTICAL WELD'T	1	
12	281493	PLATE WELDMENT – BACK	1	
13	281500	PLATE – COVER	1	
14	259116	PLATE – SHIELD	1	
15	281489	DRUM – TOP	1	
A	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-A3L		
B	4762	WASHER – FLAT		
C	135491	BOLT – HEX HD TFL M14 X 2 X 35-8.8-A3L		
D	320226	WASHER – HARD M16-360HV-ZINC		
E	136143	BOLT – HEX HD TFL M16 X 2 X 30-10.9-A3L		
F	148799	BOLT – HEX FLG HD M12 X 1.75 X 45-10.9-A3L		
G	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-A3L		
H	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10-A3L		
J	152685	BOLT – RHSN M16 X 2 X 40-10.9-A3L		
K	136440	NUT – HEX FLG CTR LOC M16 X 2-10-A3L		
L	136137	BOLT – HEX HD TFL M16 X 2 X 35-8.8-A3L		
M	136485	BOLT – HEX FLG HD TFL M8 X 1.25 X 16-8.8-A3L		
N	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-A3L		

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37. Kit applies to 2018 and later model year units and is used to replace a damaged or faulty 90° drive gearbox. Kit includes 90° drive gearbox, drive alignment tool assembly (MD #325683), and R1 SP installation instruction. For 90° drive gearbox serviceable components, refer to Section [10 90° Drive Gearbox – Internal Components, page 25](#).
38. Kit applies to 2017 model year units only and is used to replace a damaged or faulty 90° drive gearbox. Kit includes gearbox kit (MD #257187), magnetic plug (MD #257060), and R1 gearbox service instruction. For 90° drive gearbox serviceable components, refer to Section [10 90° Drive Gearbox – Internal Components, page 25](#).

10 90° Drive Gearbox – Internal Components



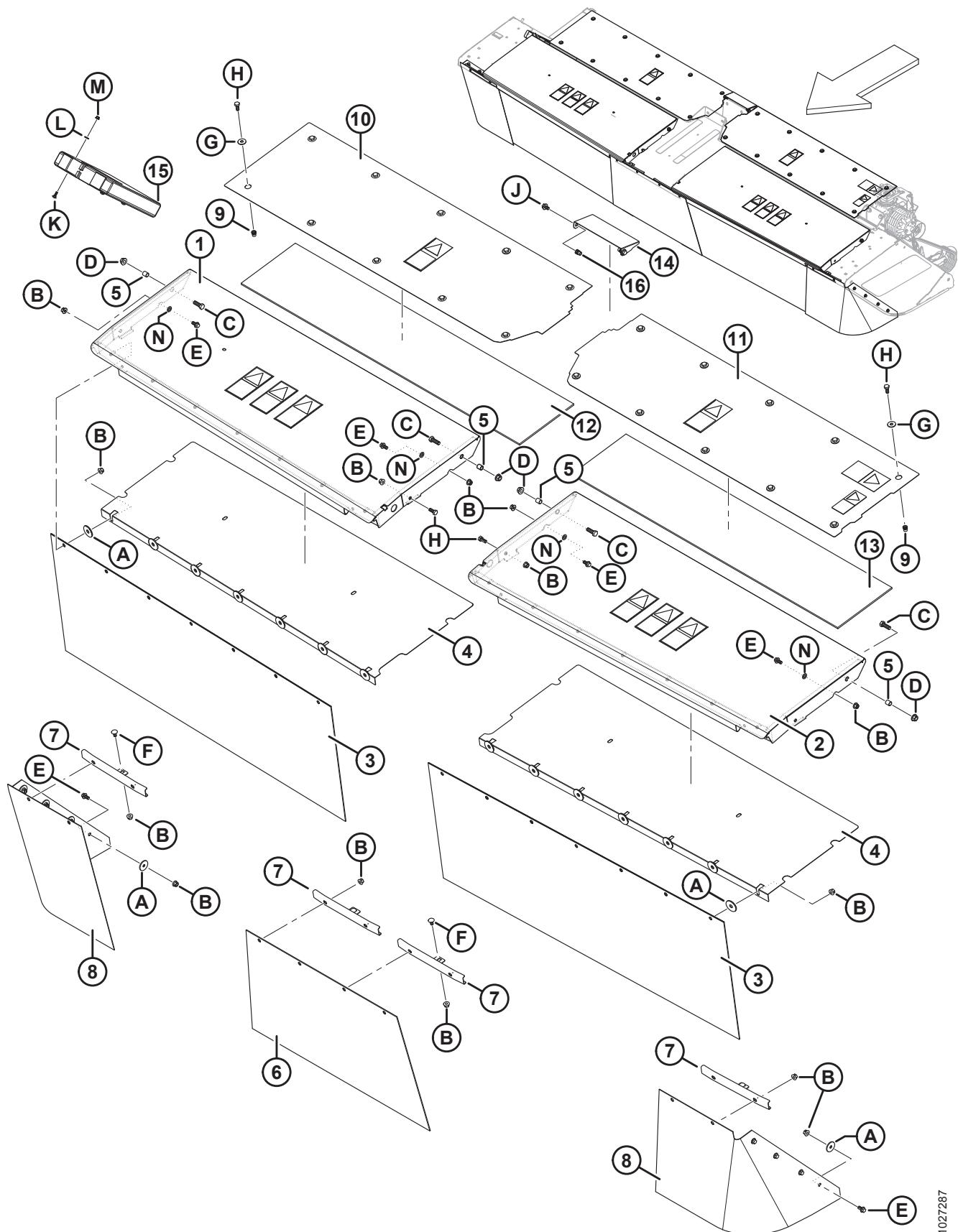
1021439

90° DRIVE GEARBOX – INTERNAL COMPONENTS

Ref	Part Number	Description	Qty	Serial Number
	257187	KIT – GEARBOX ³⁹	1	321190–
	257174	KIT – GEARBOX ⁴⁰	1	–321189
1	257033	SHIM KIT		
2	257042	SHIM		
3	257043	SHIM		
4	257044	SHIM		
5	257162	REDUCER		
6	257049	BEARING – TAPERED ROLLER		
7	150871	BEARING – TAPERED ROLLER		
8	257052	BEARING – TAPERED ROLLER		
9	257055	RING – SNAP		
10	257056	ELBOW – 90°		
11	257089	EXTENSION		
12	257058	PLUG – EXTERNAL		
13	236994	PLUG – BREATHER		
14	257125	PLUG – MAGNETIC		
15	257062	SEAL – DOUBLE LIP		
16	257063	SEAL – OIL		
17	257128	PLUG – MAGNETIC		
18	257090	ELBOW		
19	257061	SEAL – DOUBLE LIP ⁴¹		321190–
	257150	O-RING ⁴²		–321189
A	100709	NUT – SPECIAL M40 X 1.5 CLASS 8.8		
B	257053	BOLT		
C	257054	WASHER – COPPER		
D	257064	BOLT		
E	257126	WASHER – COPPER		
F	257127	WASHER – COPPER		

-
- 39. Kit applies to 2018 and later model year units and is used to replace a damaged or faulty 90° drive gearbox. Kit includes 90° drive gearbox, drive alignment tool assembly (MD #325683), and R1 SP installation instruction.
 - 40. Kit applies to 2017 model year units only and is used to replace a damaged or faulty 90° drive gearbox. Kit includes gearbox kit (MD #257187), magnetic plug (MD #257060), and R1 gearbox service instruction.
 - 41. Service part for Gearbox kit (MD #257187). Ensure the correct part is used. Seal (MD #257061) and O-ring (MD #257150) are **NOT** interchangeable.
 - 42. Service part for Gearbox kit (MD #257174). Ensure the correct part is used. O-ring (MD #257150) and seal (MD #257061) are **NOT** interchangeable.

11 Header Shields – R113



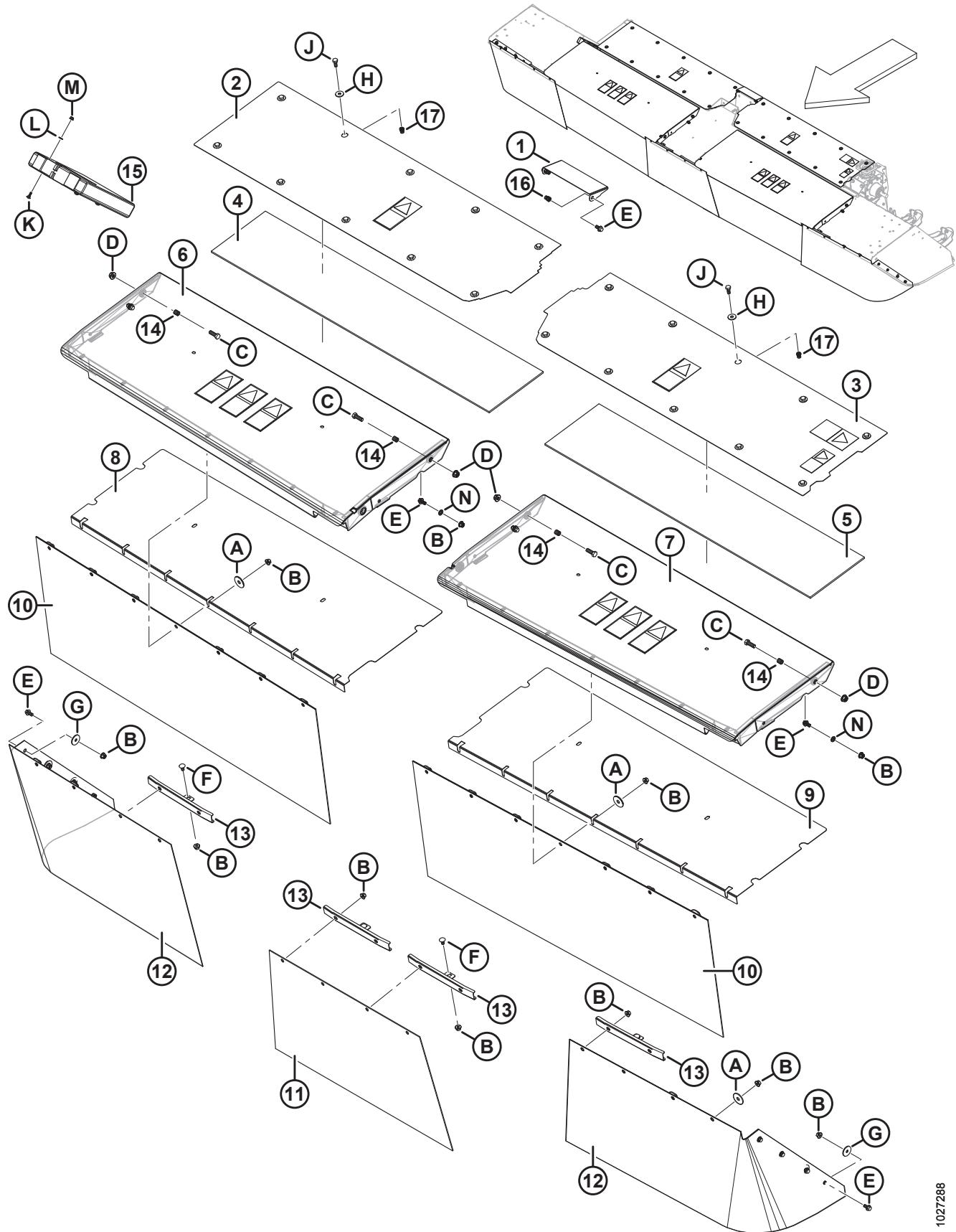
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HEADER SHIELDS – R113

Ref	Part Number	Description	Qty	Serial Number
1	246876	ASSEMBLY – RH COVER C/W DECALS ⁴³	1	
2	246874	ASSEMBLY – LH COVER C/W DECALS ⁴⁴	1	
3	256507	SHIELD – DOOR	2	
4	246388	LINER – COVER	2	
5	224313	SPACER	4	
6	256504	SHIELD – CENTER	1	
7	224686	SUPPORT – FRONT SHIELD	4	
8	256503	SHIELD – CORNER	2	
9	136843	RIVNUT – M10 X 1.5 HEX M100.7-3.8	20	
10	256412	ASSEMBLY – RH TOP SHIELD C/W DECALS ⁴⁵	1	
11	256633	ASSEMBLY – LH TOP SHIELD C/W DECALS ⁴⁵	1	
12	246346	LINER – RH FRAME	1	
13	256409	LINER – LH FRAME	1	
14	246413	SHIELD – REAR	1	
15	118234	CASE – MANUALS	1	
16	136876	RIVNUT – M10 X 1.5 HEX M103.8-7.9	2	
A	42592	WASHER – FLAT		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10-A3L		
C	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-A3L		
D	148645	NUT – HEX FLG STVR LOC M12 X 1.75-10-A3L		
E	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-A3L		
F	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-A3L		
G	184712	WASHER – FLAT LARGE M10-200HV-A3L		
H	30627	BOLT – HEX HD TFL M10 X 1.5 X 25-8.8-A3L		
J	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-A3L		
K	184641	BOLT – RHSN M6 X 1 X 20-8.8-A2L		
L	18596	WASHER – SAE FLAT 9/32 ID X 5/8 IN OD ZP		
M	152668	NUT – HEX FLG CTR LOC M6 X 1-8-A2L		
N	184711	WASHER – FLAT REG M10-200HV-AA1J		

-
43. Includes information decals (MD #194465, 247167, and 194466) and MacDon top decal (MD #246997).
 44. Includes information decals (MD #194465, 247167, and 194466) and R113 SP top decal (MD #256333).
 45. Includes information decal (MD #190546).

12 Header Shields – R116



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HEADER SHIELDS – R116

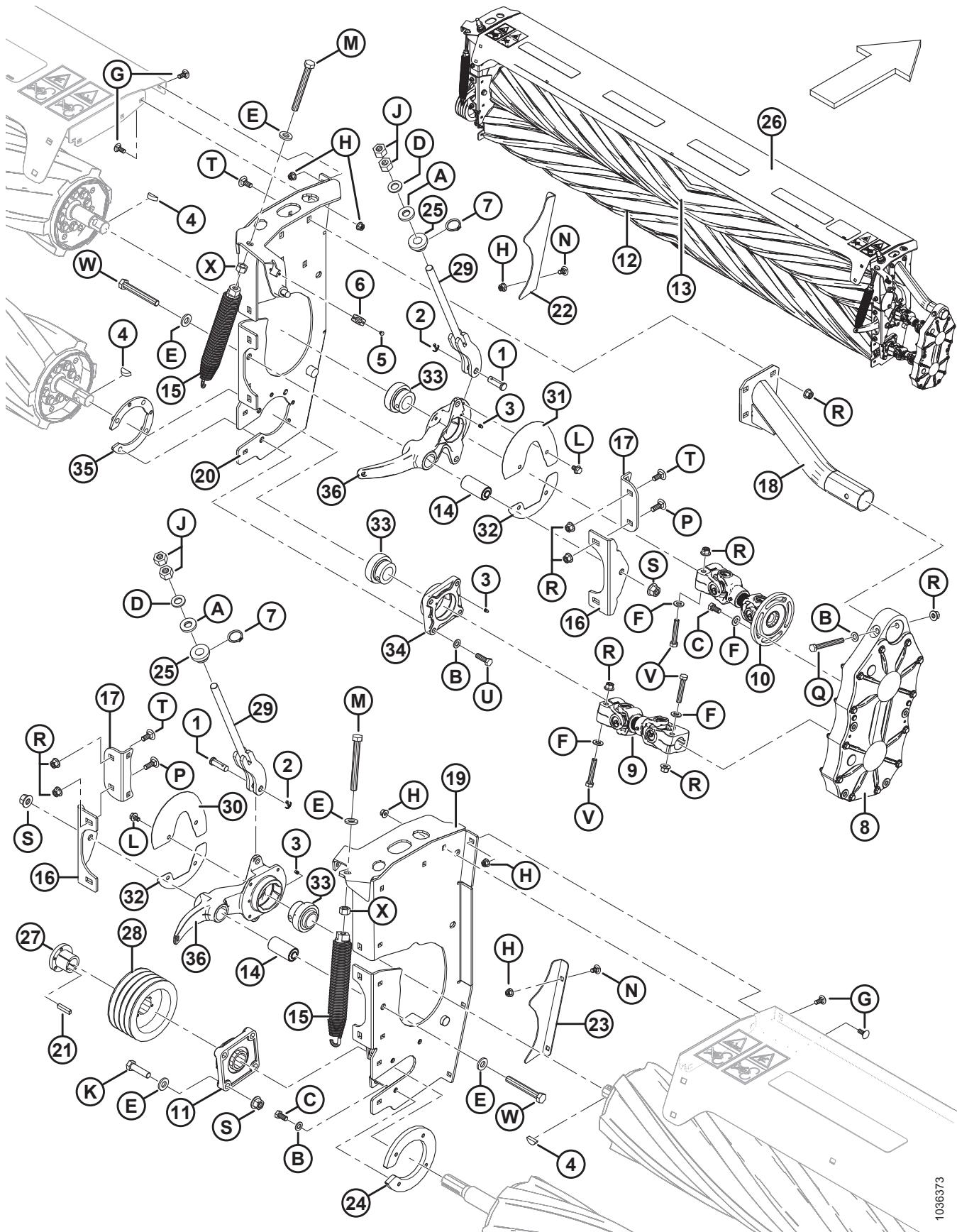
Ref	Part Number	Description	Qty	Serial Number
1	246413	SHIELD – REAR	1	
2	256412	ASSY – TOP SHIELD C/W DECALS, RH ⁴⁶	1	
3	256633	ASSY – TOP SHIELD C/W DECALS, LH ⁴⁶	1	
4	246346	LINER – FRAME, RH	1	
5	256409	LINER – FRAME, LH	1	
6	246876	ASSEMBLY – RH COVER C/W DECALS ⁴⁷	1	
7	246874	ASSEMBLY – LH COVER C/W DECALS ⁴⁸	1	
8	224471	LINER – COVER, RH	1	
9	246388	LINER – COVER, LH	1	
10	256507	SHIELD – DOOR	2	
11	256504	SHIELD – CENTER	1	
12	256508	SHIELD – CORNER 16 FT	2	
13	224686	SUPPORT – FRONT SHIELD	4	
14	224313	SPACER	4	
15	118234	CASE – MANUALS	1	
16	136876	RIVNUT – M10 X 1.5 HEX M10 3.8-7.9	2	
17	136843	RIVNUT – M10 X 1.5 HEX M10 0.7-3.8	20	
A	42592	WASHER – FLAT		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10-A3L		
C	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-A3L		
D	148645	NUT – HEX FLG STVR LOC M12 X 1.75-10-A3L		
E	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-A3L		
F	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-A3L		
G	136428	WASHER – FLAT LARGE M10-200HV-A3L		
H	184712	WASHER – FLAT LARGE M10-200HV-A3L		
J	30627	BOLT – HEX HD TFL M10 X 1.5 X 25-8.8-A3L		
K	184641	BOLT – RHSN M6 X 1 X 20-8.8-A2L		
L	18596	WASHER – SAE FLAT 9/32 ID X 5/8 IN OD ZP		
M	152668	NUT – HEX FLG CTR LOC M6 X 1-8-A2L		
N	184711	WASHER – FLAT REG M10-200HV-AA1J		

46. Includes information decal (MD #190546).

47. Includes information decals (MD #194465, 247167, and 194466) and MacDon top decal (MD #246997).

48. Includes information decals (MD #194465, 247167, and 194466) and R116 SP top decal (MD #256334).

13 Roll Conditioner – Polyurethane/Steel



1036373

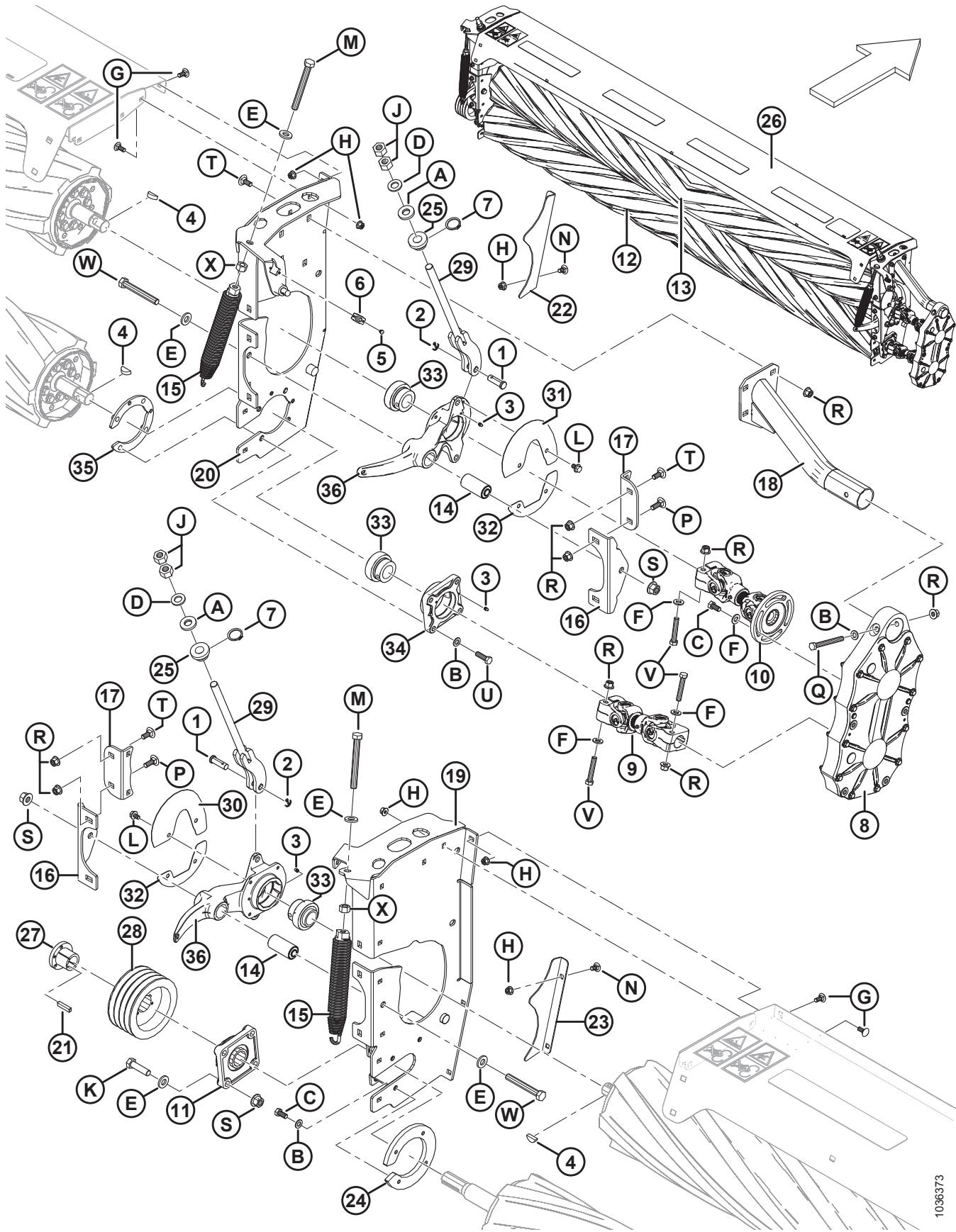
ROLL CONDITIONER – POLYURETHANE/STEEL

Ref	Part Number	Description	Qty	Serial Number
	B6557	KIT – POLY ROLLER CONDITIONER, SP 49		
	B6558	KIT – STEEL ROLLER CONDITIONER, SP 49		
1	18620	PIN – CLEVIS	2	
2	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	2	
3	18671	FITTING – LUBE 1/4, 28 UNF	3	
4	30836	KEY – WOODRUFF (3/8 X 1 1/4 NOM.)	3	
5	113799	RIVET – POP	2	
6	135813	CLIP – TOLERANCE	1	
7	136832	RING – EXT RETAINING HEAVY DUTY	2	
8	307211	DRIVE – GEAR (CONDITIONER ROLL TIMING) ⁵⁰	1	
9	221765	DRIVELINE – LOWER	1	
	198329	YOKE		
	124541	CROSS JOURNAL KIT		
10	221768	DRIVELINE – UPPER	1	
	149399	YOKE – FLANGE		
	198329	YOKE		
	124541	CROSS JOURNAL KIT		
11	221769	HOUSING – FLANGED	1	
12	221937	ROLL – LOWER POLY	1	
	307889	ROLL – LOWER STEEL	1	
13	221938	ROLL – UPPER POLY	1	
	247832	ROLL – UPPER STEEL	1	
14	222658	BUSHING – RUBBER	2	
15	222664	ASSEMBLY – SPRING	2	
16	222988	BRACKET – PIVOT	2	
17	223406	ANGLE – COND PANEL	2	
18	223467	SUPPORT – WELDMENT	1	
19	256580	LH PANEL – C/W DECALS	1	
20	247856	RH PANEL – C/W DECALS	1	
21	246424	KEY – 10 MM X 8 MM X 45 MM	1	
22	246751	GUARD – RH POLY ROLL ONLY	1	
	246747	GUARD – RH STEEL ROLL ONLY	1	
23	246752	GUARD – LH POLY ROLL ONLY	1	
	246748	GUARD – LH STEEL ROLL ONLY	1	
24	281325	PLATE – CLAMP, POLY ROLL ONLY	1	
	281324	PLATE – CLAMP, STEEL ROLL ONLY	1	
25	246799	STOP – PLASTIC	2	
26	256581	COVER – ROLL COND, C/W ANTI-SLIPS	1	

49. Kits available through Whole Goods only.

50. For service parts, refer to Section *14 Roll Conditioner – Gear Drive, page 35*.

ROLL CONDITIONER – POLYURETHANE/STEEL

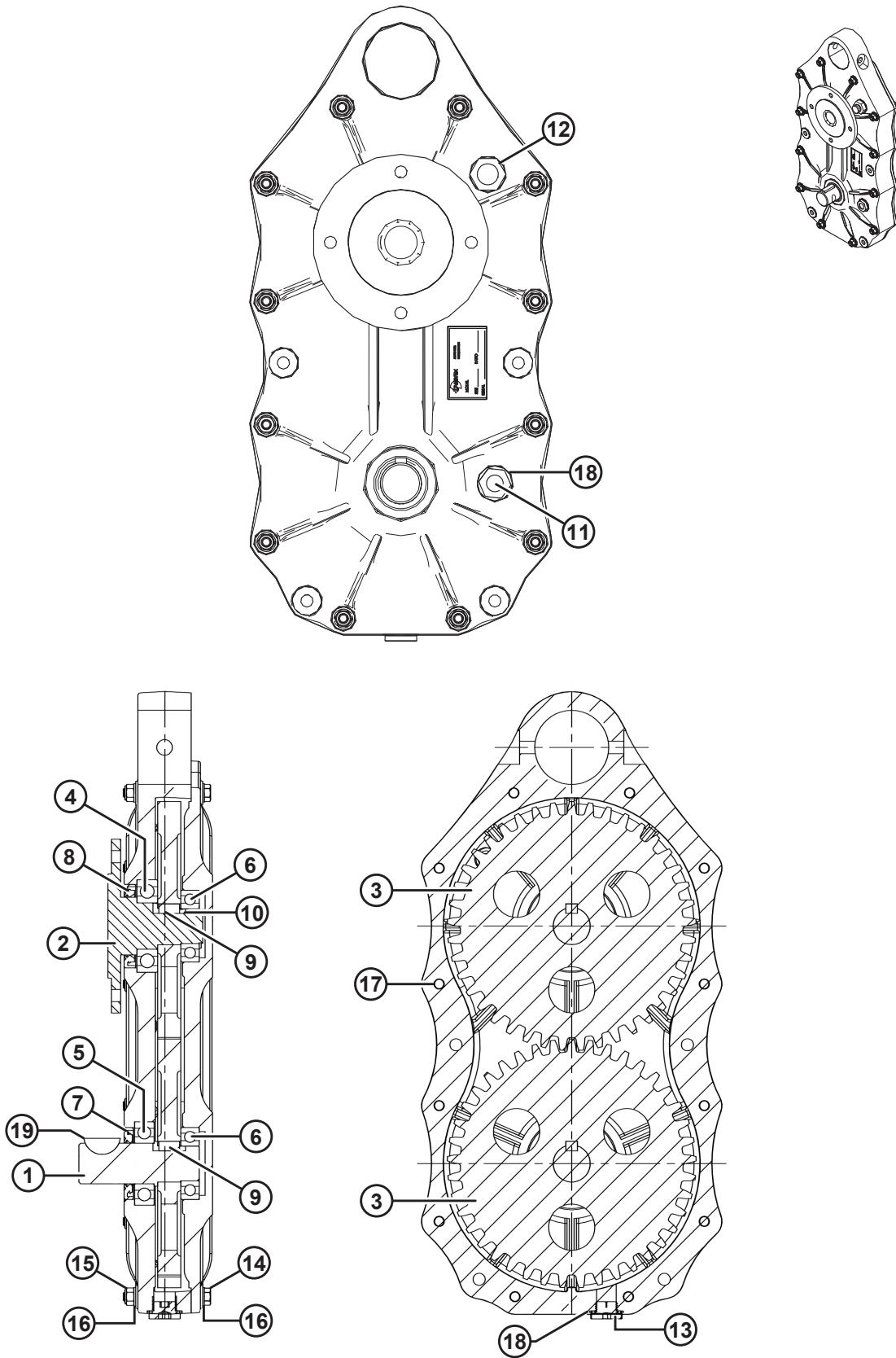


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ROLL CONDITIONER – POLYURETHANE/STEEL

Ref	Part Number	Description	Qty	Serial Number
27	246844	BUSHING	1	
28	246847	PULLEY – 4 HB	1	
29	247259	STOP – WELDT	2	
30	256574	SHIELD – LH, C/W DECAL	1	
31	256573	SHIELD – RH, C/W DECAL	1	
32	256497	SHIELD – ROLL ARM, LOWER	2	
33	247307	BEARING – SPH OD C/W COLLAR 1.5 IN BORE	3	
34	247309	HOUSING – MACHINED	1	
35	247420	PLATE – BRG HSG, FLOW DRILLED	1	
36	247828	ARM – ROLL, C/W BUSHING	2	
A	16235	WASHER – FLAT		
B	184714	WASHER – FLAT REG M12-300HV-A3L		
C	50155	BOLT – HEX HD TFL M12 X 1.75 X 25-8.8-A3L		
D	320225	WASHER – HARD M20-300HV-ZINC		
E	320226	WASHER – HARD M16-300HV-ZINC		
F	135369	WASHER – HARDENED		
G	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-A3L		
H	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10-A3L		
J	136124	NUT – HEX M20 X 2.5-10-A3L		
K	184681	BOLT – HEX HD M16 X 2 X 50-8.8-AA1JL		
L	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-A3L		
M	136172	BOLT – HEX HD TFL M16 X 2 X 140-8.8-A3L		
N	136178	BOLT – RHSN M10 X 1.5 X 20-8.8-A3L		
P	136291	BOLT – RHSN TFL M12 X 1.75 X 35-8.8-A3L		
Q	136423	BOLT – HEX HD M12 X 1.75 X 110-8.8-A3L		
R	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10-A3L		
S	136440	NUT – HEX FLG CTR LOC M16 X 2-10-A3L		
T	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-A3L		
U	184669	BOLT – HEX HD M12 X 1.75 X 40-8.8-A3L		
V	184675	BOLT – HEX HD M12 X 1.75 X 70-8.8-A3L		
W	184678	BOLT – HEX HD M16 X 2 X 120-8.8-A3L		
X	184699	NUT – HEX M16 X 2-8-A3L		

14 Roll Conditioner – Gear Drive



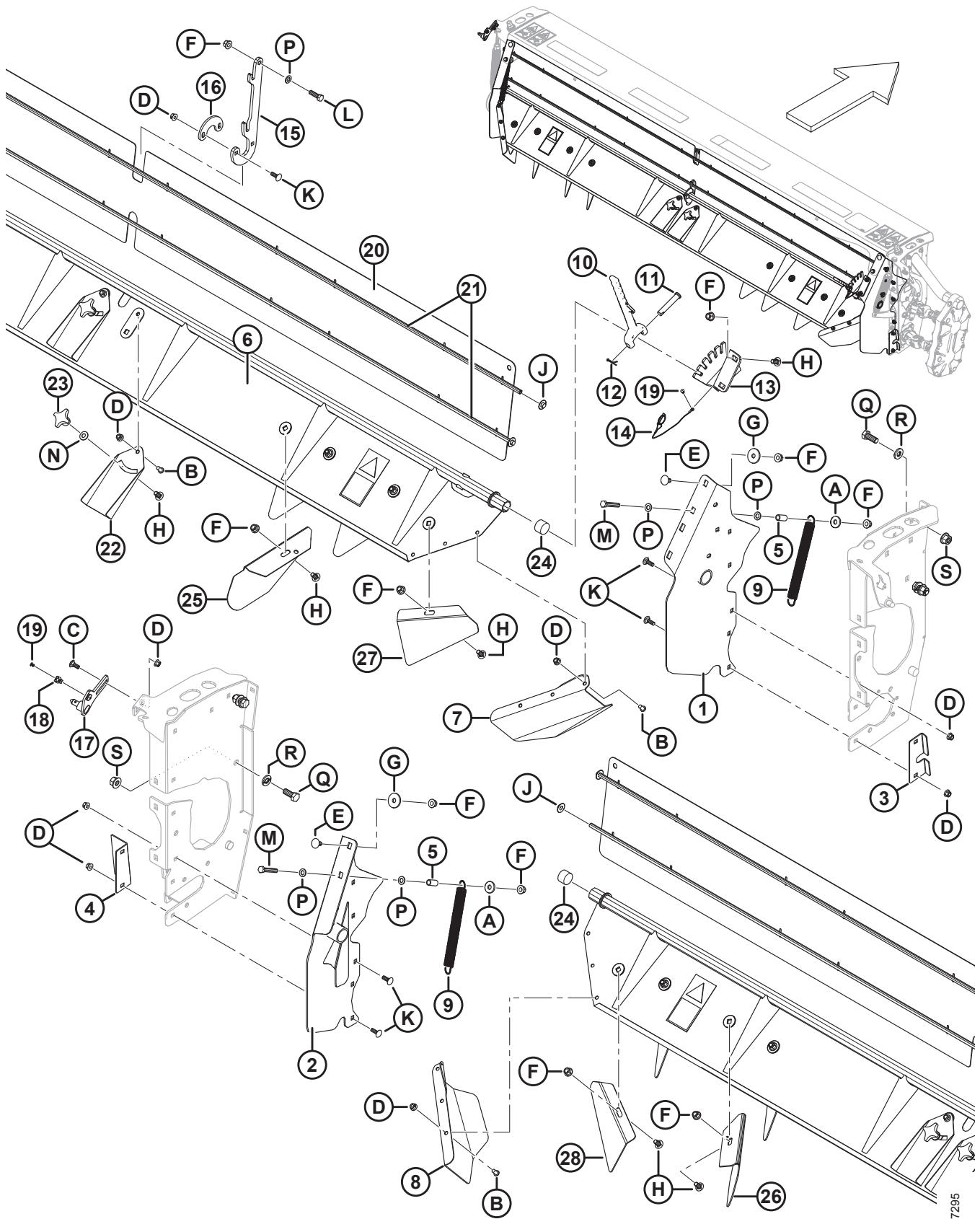
1011410

ROLL CONDITIONER – GEAR DRIVE

Ref	Part Number	Description	Qty	Serial Number
	307211	DRIVE – GEAR (CONDITIONER ROLL TIMING) ⁵¹		
1	247183	SHAFT – INPUT	1	
2	247184	SHAFT – OUTPUT, 4 BOLT FLANGE	1	
3	247185	GEAR – SPUR	2	
4	247186	BEARING – OUTPUT SHAFT	1	
5	247187	BEARING – INPUT SHAFT	1	
6	247188	BEARING	2	
7	247189	SEAL – INPUT SHAFT	1	
8	247190	SEAL – OUTPUT SHAFT	1	
9	247191	KEY – 10 X 8 X 18L, HARDENED	2	
10	247192	RING – SNAP	1	
11	247193	PLUG – OIL LEVEL, 1/2 BSPP	1	
12	247194	BREATHER – 1/2 BSPP	1	
13	247195	PLUG – DRAIN, 1/2 BSPP	1	
14	247196	BOLT – M8 X 70	12	
15	247197	NUT – M8	12	
16	247198	WASHER – M8	24	
17	247199	PIN – 6 X 12L	1	
18	247265	WASHER – 21.5 X 26 X 2T	1	
19	30836	KEY – WOODRUFF (3/8 X 1 1/4 NOM)	1	

51. Refer to Section [13 Roll Conditioner – Polyurethane/Steel, page 31.](#)

15 Roll Conditioner – Shields



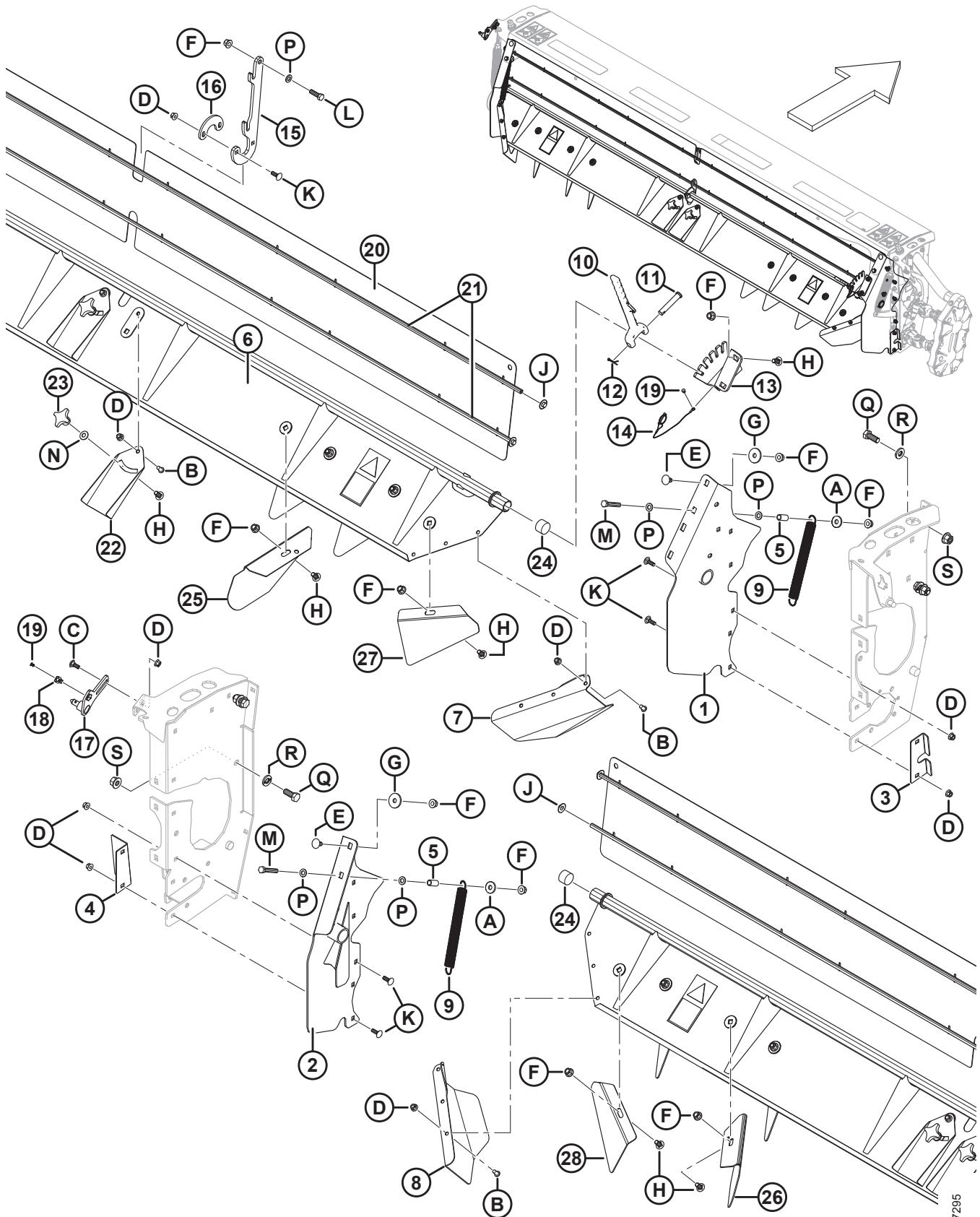
1027295

ROLL CONDITIONER – SHIELDS

Ref	Part Number	Description	Qty	Serial Number
1	281339	DEFLECTOR – RH WELDT	1	
2	281338	DEFLECTOR – LH WELDT	1	
3	223014	SHIELD – RH	1	
4	224039	SHIELD – LH	1	
5	17675	SPACER	2	
6	256612	BAFFLE – C/W DECALS, ROLL CONDITIONER	1	
7	281583	DEFLECTOR – RH	1	
8	281582	DEFLECTOR – LH	1	
9	246175	SPRING – EXTENSION	2	
10	281818	HANDLE – BAFFLE, MACHINED	1	
11	19958	PIN – CLEVIS	1	
12	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	1	
13	246224	BRACKET	1	
14	135945	LYNCH PIN – C/W LANYARD 3/16 PIN	1	
15	247323	HOOK – BAFFLE SUPPORT	1	
16	224977	PLATE	1	
17	246266	STUD – ASSEMBLY ⁵²	1	
18	135813	CLIP – TOLERANCE	1	
19	113799	RIVET – POP	3	
20	247275	CURTAIN – CONDITIONER	1	
21	247433	LINE – HYDRAULIC, 1/2 IN DIA., 3315 MM LG	2	
22	224869	FIN – BAFFLE	2	
23	246355	KNOB – PLASTIC, M12	2	
24	137980	PLUG	2	
25	256547	DEFLECTOR – RH FIN	3	
26	256546	DEFLECTOR – LH FIN	3	
27	256405	DEFLECTOR – RH END FIN	1	
28	256404	DEFLECTOR – LH END FIN	1	
A	4761	WASHER – FLAT		
B	135723	BOLT – BUTTON HD HEX SOCKET ZP M10 X 20		
C	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-A3L		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10-A3L		
E	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-A3L		
F	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10-A3L		
G	166747	WASHER – FLAT, 12.95 MM ID, 45 MM OD, 4.5 MM THK		
H	152439	BOLT – RHSSN M12 X 1.75 X 25-8.8-A3L		
J	252219	NUT – PUSH ON CAP 1/2 STUD		
K	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-A3L		
L	184669	BOLT – HEX HD M12 X 1.75 X 40-8.8-A3L		

52. Includes tolerance clip (MD #135813) and pop rivet (MD #113799).

ROLL CONDITIONER – SHIELDS

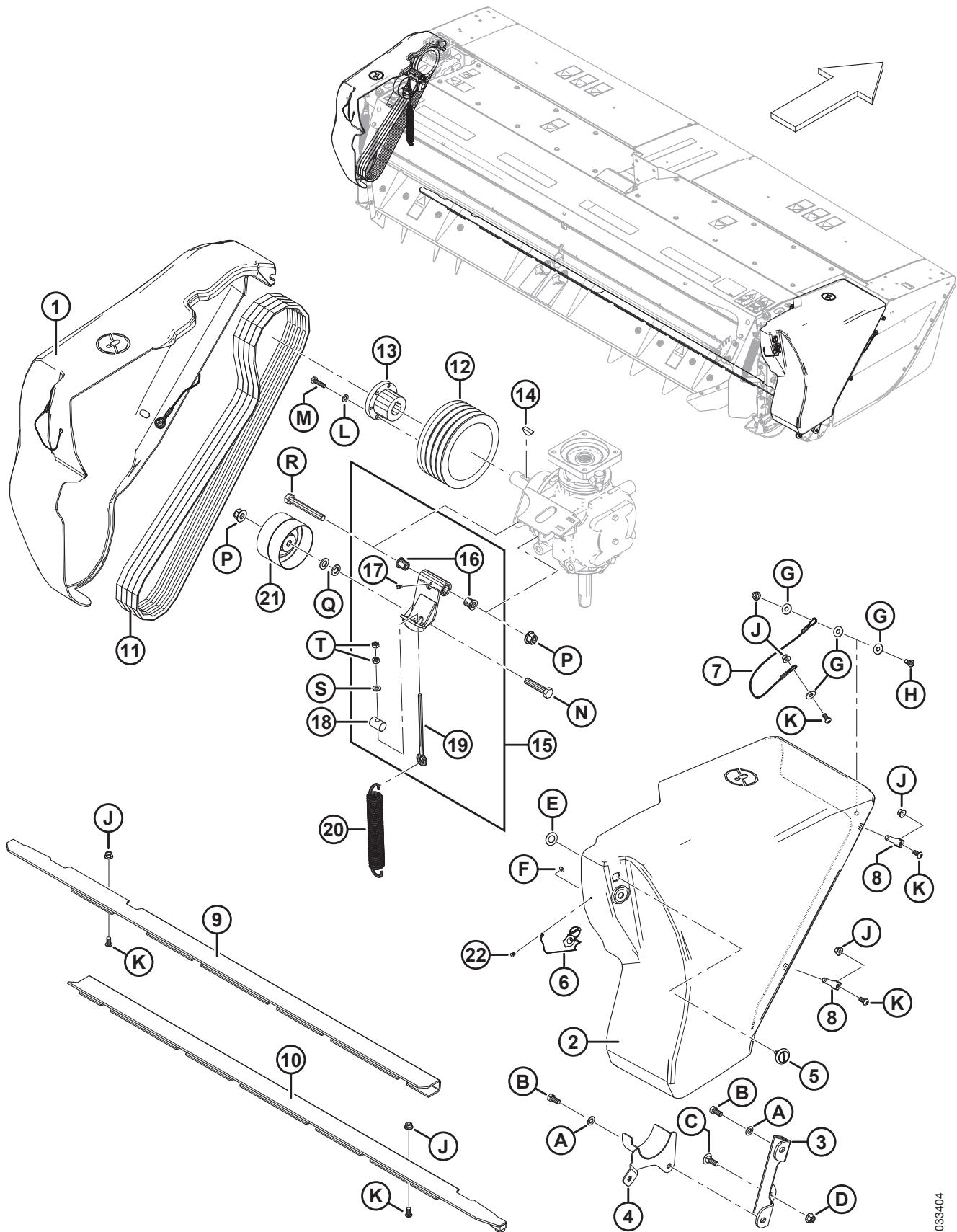


1027295

ROLL CONDITIONER – SHIELDS

Ref	Part Number	Description	Qty	Serial Number
M	184675	BOLT – HEX HD M12 X 1.75 X 70-8.8-A3L		
N	184596	WASHER – CON SPRING M12 A STL SAE 1050-1075		
P	184714	WASHER – FLAT REG M12-300HV-A3L		
Q	111528	BOLT – HEX HD TFL M16 X 2 X 40-8.8-A3L		
R	320226	WASHER – HARD M16-360HV-ZINC		
S	136440	NUT – HEX FLG CTR LOC M16 X 2-10-A3L		

16 Roll Conditioner – Header Attachment



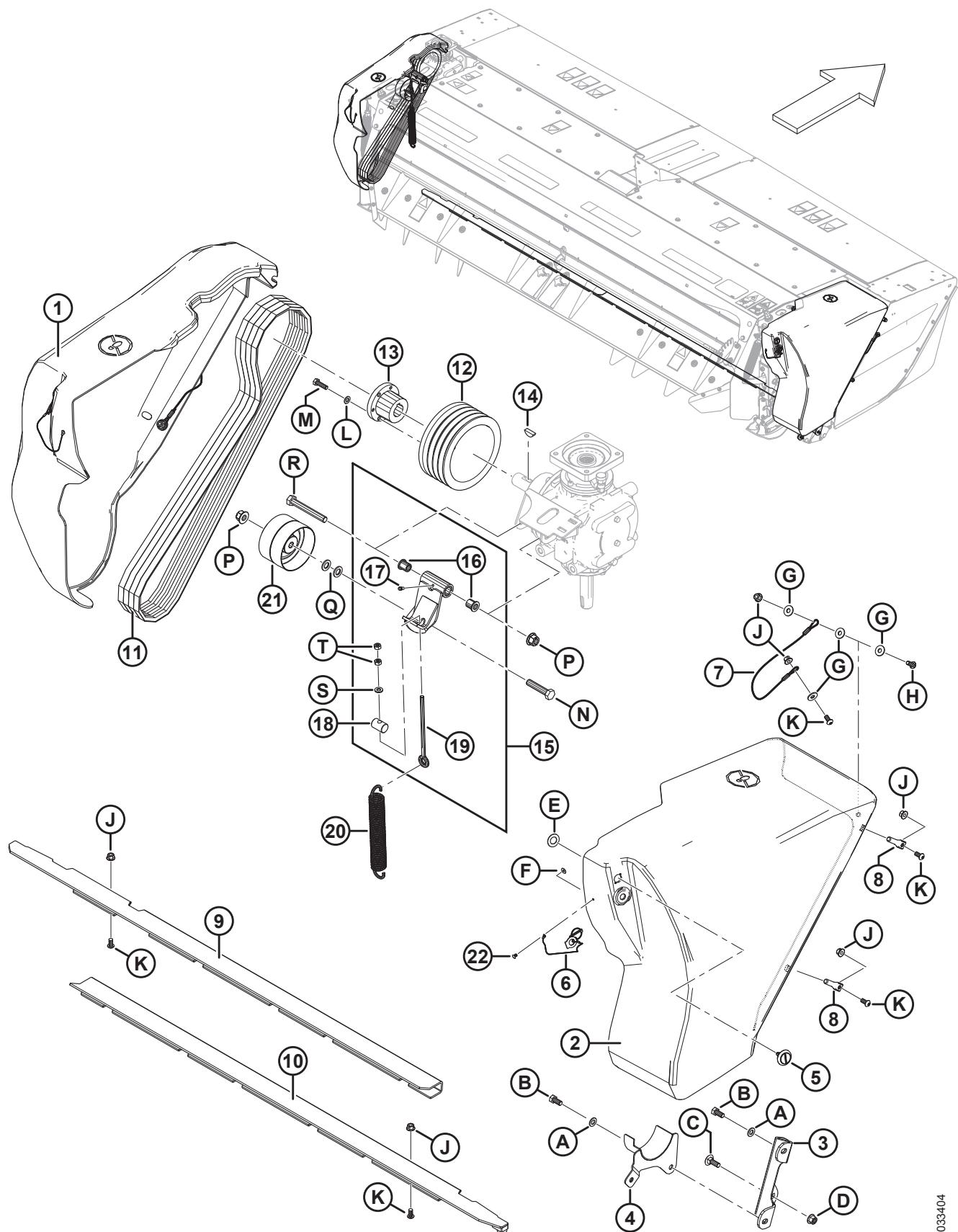
1033404

ROLL CONDITIONER – HEADER ATTACHMENT

Ref	Part Number	Description	Qty	Serial Number
1	257093	SHIELD ASSEMBLY – LH ⁵³	1	
2	224562	SHIELD ASSEMBLY – RH ⁵³	1	
3	238054	BRACKET – LOWER GEARBOX MOUNT	1	
4	256272	GUARD – DRIVELINE WELDT	1	
5	135815	LATCH – 3 MM SLOT	2	
6	246583	LYNCH PIN – C/W LANYARD 3/16 PIN	2	
7	224605	CABLE – SHIELD ANCHOR	2	
8	112624	RETAINER – PIN	2	
9	256192	DEFLECTOR – WELDT, LH (R113)	1	
	256640	PLATE – DEFLECTOR, LH (R116)	1	
10	256199	DEFLECTOR – WELDT, RH (R113)	1	
	256641	PLATE – DEFLECTOR, RH (R116)	1	
11	222028	BELT – PU CONDITIONER DRIVE	1	
12	281073	PULLEY – 4 HB	1	
13	246845	BUSHING	1	
14	281315	KEY – WOODRUFF (10 X 32 NOM.)	1	
15	281695	KIT – BELT TENSIONER ⁵⁴	1	
16	221997	BUSHING – FLANGED 16 X 22 X 25L	2	
17	7782	FITTING – LUBRICATION 1/4-28 TAPER THD	1	
18	281644	PIN – STRAIGHT	1	
19	281986	BOLT – EYE	1	
20	245966	SPRING – EXTENSION	1	
21	149183	PULLEY – IDLER	1	
22	113799	RIVET – POP	2	
A	184714	WASHER – FLAT REG M12-300HV-A3L		
B	50155	BOLT – HEX HD TFL M12 X 1.75 X 25-8.8-A3L		
C	136291	BOLT – RHSN TFL M12 X 1.75 X 35-8.8-A3L		
D	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10-A3L		
E	5113	WASHER – FLAT		
F	184701	WASHER – FLAT LARGE M5-200HV-A2L		
G	30635	WASHER – FLAT REG M10-STL-SOFT-A2L		
H	135852	SCREW – HEX SOC BTN HD M10 X 1.5 X 25-12.9-A3L		
J	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10-A3L		
K	135723	SCREW – HEX SOC BTN HD M10 X 1.5 X 20-10.9-A3L		
L	184711	WASHER – FLAT REG M10-200HV-A3L		
M	30628	BOLT – HEX HD M10 X 1.5 X 35-8.8-A3L		

-
53. Comes assembled with latch (MD #135815), lynch pin (MD #246583), shield anchor cable (MD #224605), and hardware.
54. Kit includes two bushings (MD #221997), lubrication fitting (MD #7782), straight pin (MD #281644), eye bolt (MD #224587), and hardware (MD #30655 and 30505).

ROLL CONDITIONER – HEADER ATTACHMENT

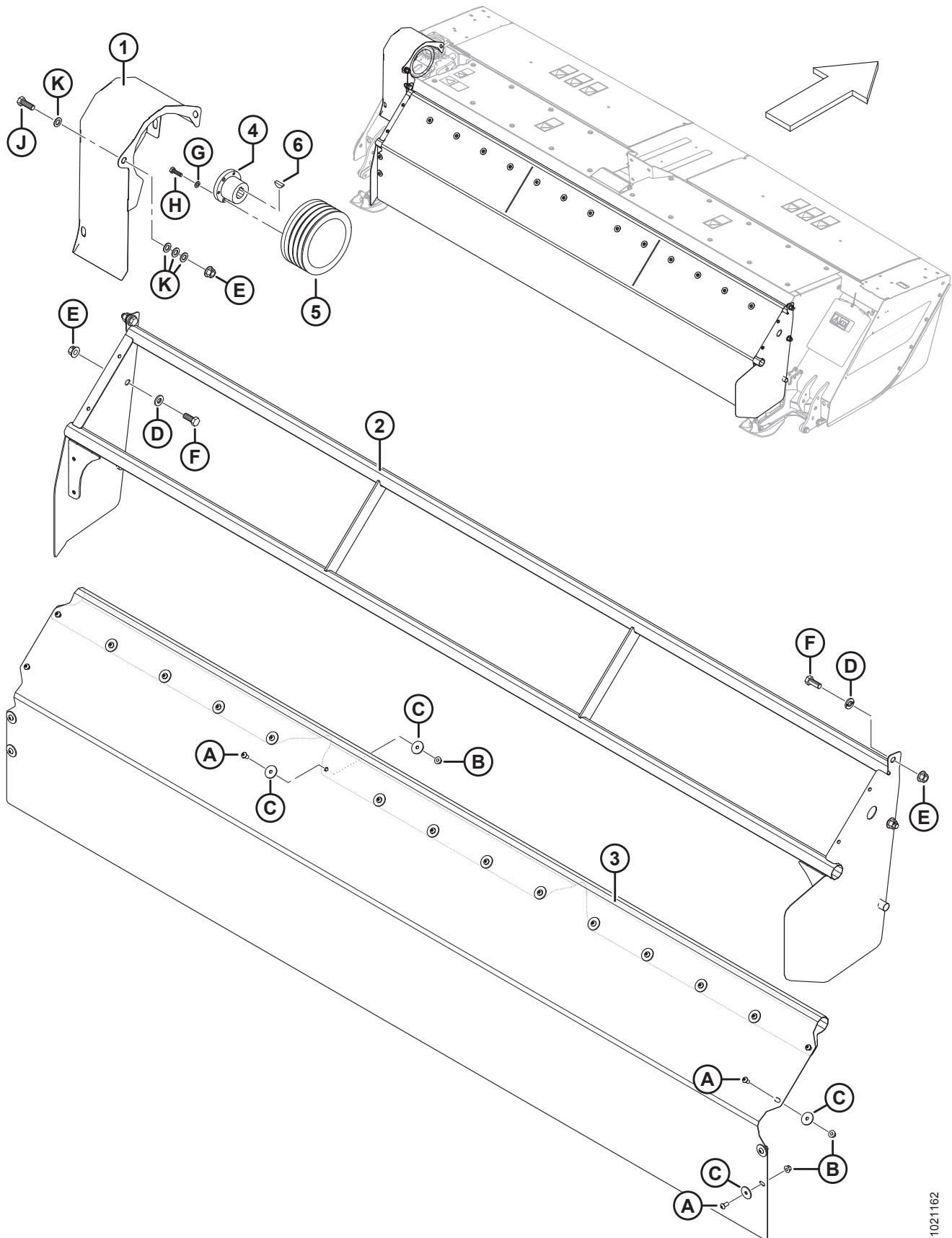


1033404

ROLL CONDITIONER – HEADER ATTACHMENT

Ref	Part Number	Description	Qty	Serial Number
N	181511	BOLT – HEX HD M16 X 2 X 75-10.9-A3L		
P	152520	NUT – HEX FLG TECH LOC M16 X 2-10-A3L		
Q	184717	WASHER – FLAT REG M16-200HV-A3L		
R	184678	BOLT – HEX HD M16 X 2 X 120-8.8-A3L		
S	30655	WASHER – HARD ASTM F436 M10-340HV-AB2C		
T	30505	NUT – HEX M10 X 1.5-10-A3L		

17 No Conditioner Option – Shields



1021162

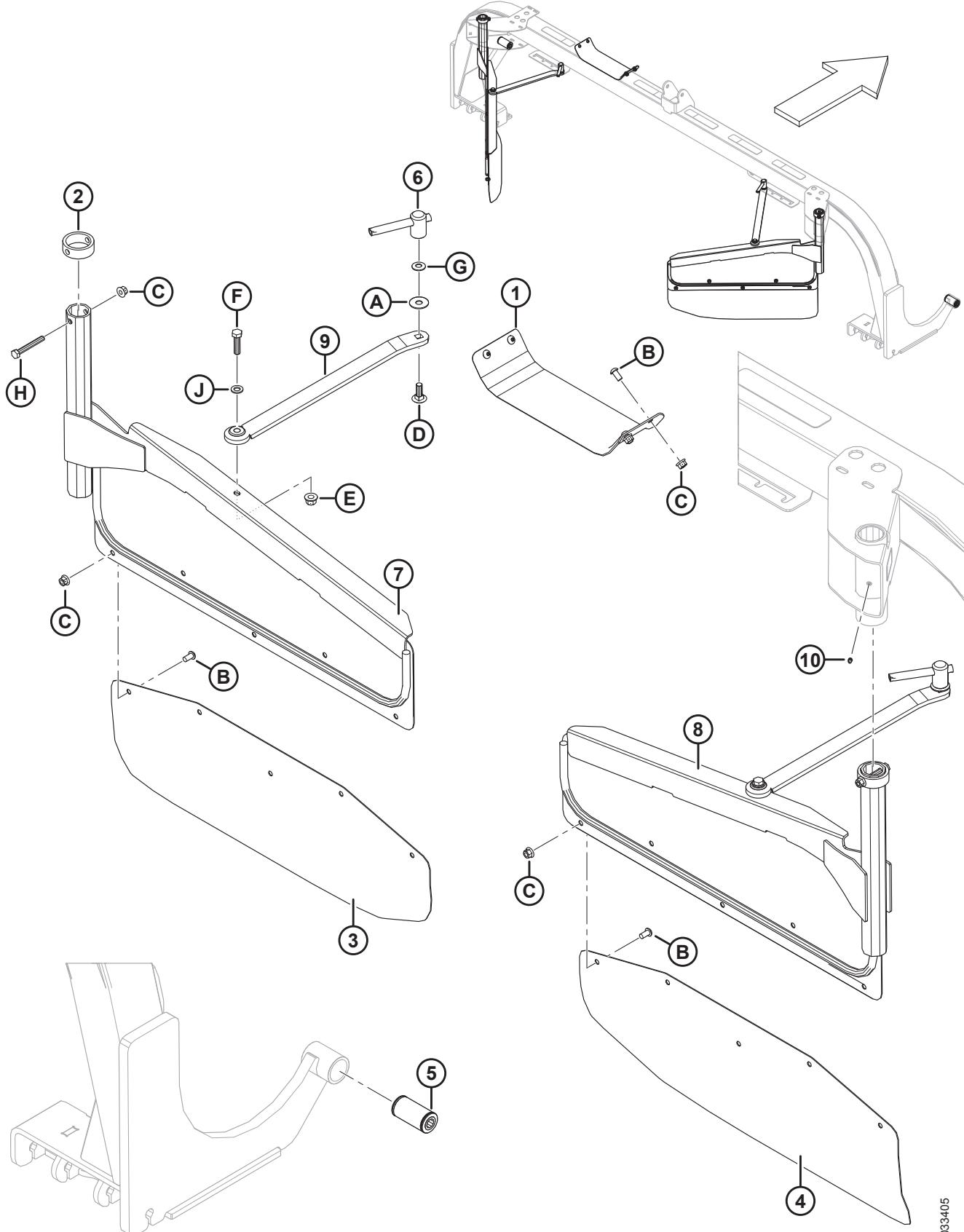
NO CONDITIONER OPTION – SHIELDS

Ref	Part Number	Description	Qty	Serial Number
	B5818	KIT – NO CONDITIONER ⁵⁵		
1	256442	COVER – DRIVE, WELDT	1	
2	224327	FRAME – NO COND SHIELDS, WELDT	1	
3	224320	SHIELD – CURTAIN	1	
4	246845	BUSHING	1	
5	281073	PULLEY – 4 HB ⁵⁶	1	
6	281315	KEY – WOODRUFF (10 X 32 NOM.)	1	
A	135723	BOLT – BUTTON HD HEX SOCKET ZP M10 X 20		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10-A3L		
C	136428	WASHER – FLAT LARGE M10-200HV-A3L		
D	320226	WASHER – HARD M16-360HV-ZINC		
E	136440	NUT – HEX FLG CTR LOC M16 X 2-10-A3L		
F	111528	BOLT – HEX HD TFL M16 X 2 X 40-8.8-A3L		
G	184711	WASHER – FLAT REG M10-200HV-A3L		
H	30628	BOLT – HEX HD M10 X 1.5 X 35-8.8-A3L		
J	136132	BOLT – HEX HD TFL M16 X 2 X 45-8.8-A3L		
K	184717	WASHER – FLAT REG M16-200HV-A3L		

55. Kits available through Whole Goods only.

56. Pulley is factory-installed and not included in bundle B5818.

18 Adapter Frame

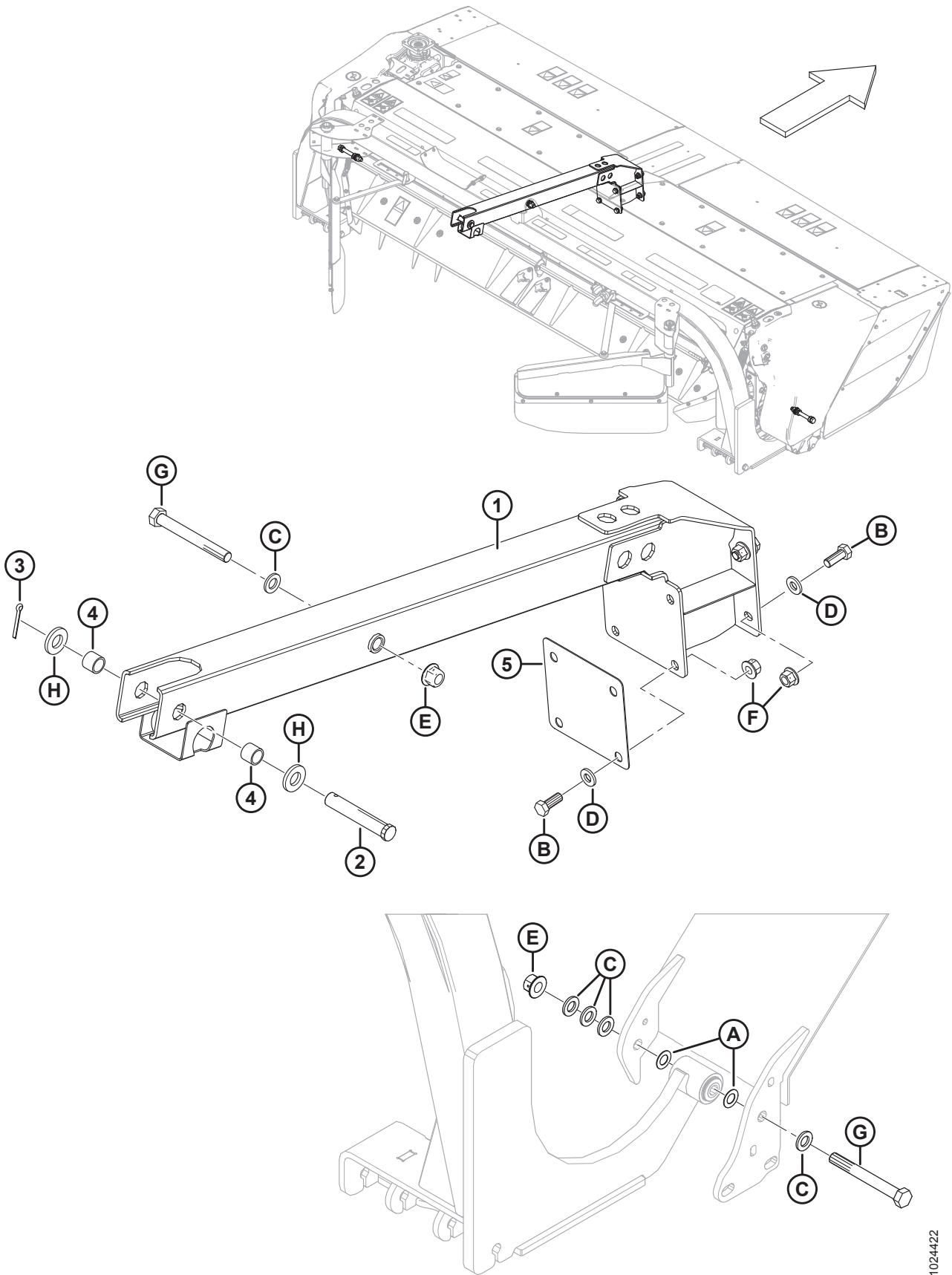


1033405

ADAPTER FRAME

Ref	Part Number	Description	Qty	Serial Number
1	146474	SUPPORT – HOSE	1	
2	257112	TUBE – CAP	2	
3	224761	SHIELD	1	
4	224762	SHIELD	1	
5	246198	BUSHING – RUBBER	2	
6	247693	ASSEMBLY – HANDLE	2	
7	256024	DEFLECTOR – LH WELDT	1	
8	256029	DEFLECTOR – RH WELDT	1	
9	256054	BAR – ADJUSTMENT WELDT	2	
10	18671	FITTING – LUBE	2	
A	32247	WASHER – FLAT		
B	135723	SCREW – HEX SOC BTN HD M10 X 1.5 X 20-10.9-A3L		
C	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10-A3L		
D	136291	BOLT – RHSN TFL M12 X 1.75 X 35-8.8-A3L		
E	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10-A3L		
F	136881	BOLT – HEX HD M12 X 1.75 X 45-10.9-A3L		
G	184596	WASHER – CON SPRING M12A STL		
H	184659	BOLT – HEX HD M10 X 1.5 X 75-8.8-A3L		
J	184714	WASHER – FLAT REG M12-300HV-A3L		

19 Center-Link and Adapter to Header Connections



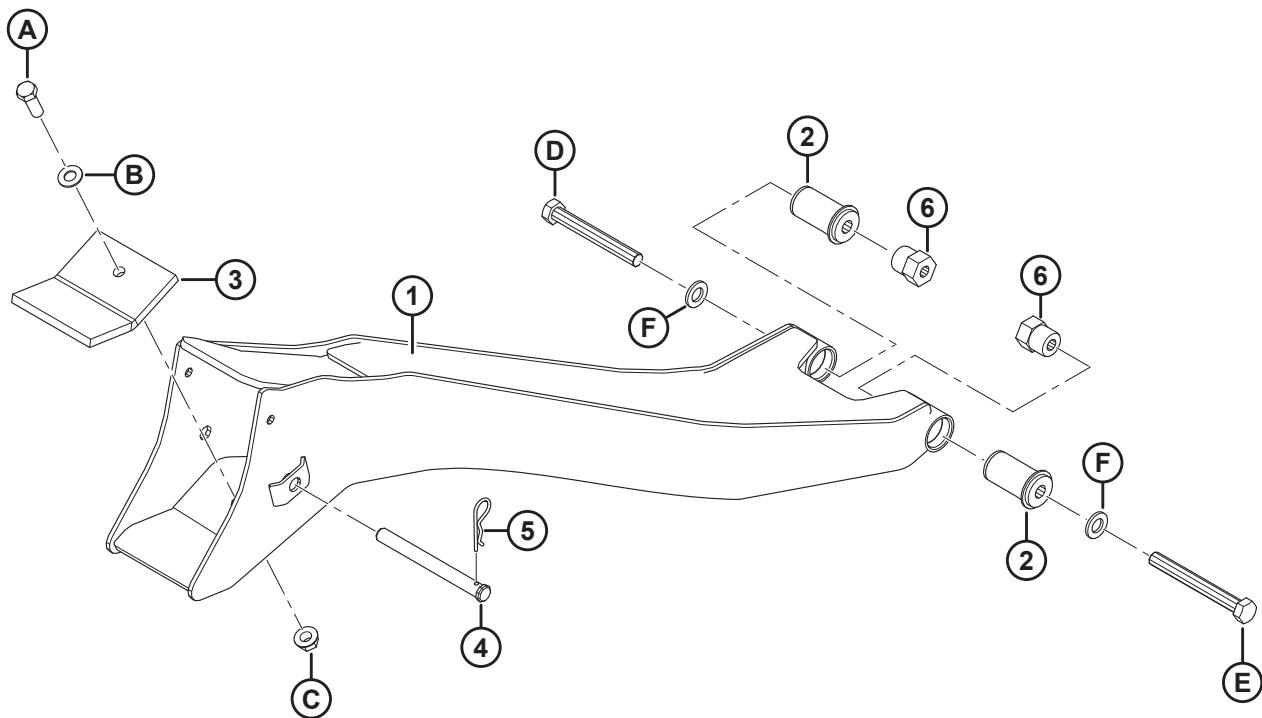
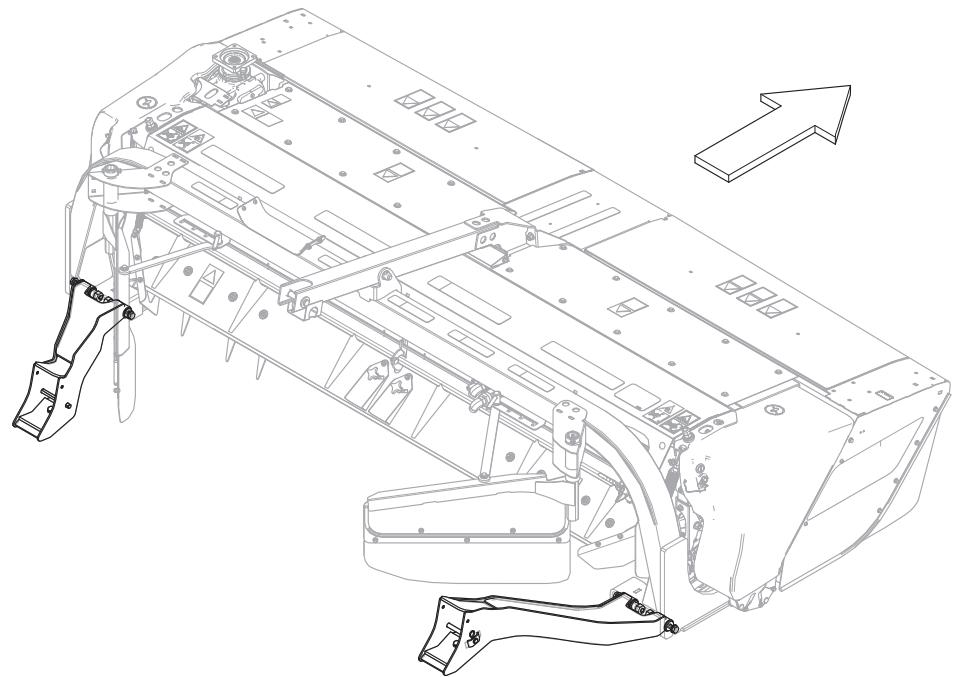
1024422

CENTER-LINK AND ADAPTER TO HEADER CONNECTIONS

Ref	Part Number	Description	Qty	Serial Number
1	256246	ANCHOR – CENTER-LINK	1	
2	49341	PIN – CLEVIS	1	
3	18609	PIN – COTTER 1/4 DIA X 2 ZP	1	
4	136690	SPACER	2	
5	256516	PLATE – SHIM ⁵⁷	A/R	
A	5113	WASHER – FLAT ⁵⁸		
B	111528	BOLT – HEX HD TFL M16 X 2 X 40-8.8-A3L		
C	112130	WASHER – HARD ASTM F436 3/4-400HV-AB3C		
D	120901	WASHER – HARD L9 SPCL 5/8-82/85 HR15N-AB3C		
E	136122	NUT – HEX FLG CTR LOC M20 X 2.5-10-A3L		
F	136440	NUT – HEX FLG CTR LOC M16 X 2-10-A3L		
G	136650	BOLT – HEX HD M20 X 2.5 X 170-8.8-A3L		
H	174858	WASHER – FLAT		

-
57. Shim as needed only at rear of center-link anchor (MD #256246), maximum 2 mm gap.
 58. Washer (1.2 mm thick) used as a shim. Insert washers as required evenly on both sides of the header to minimize the gap on each side of the rubber bushings between frame plates before tightening bolts.

20 Lift Assembly

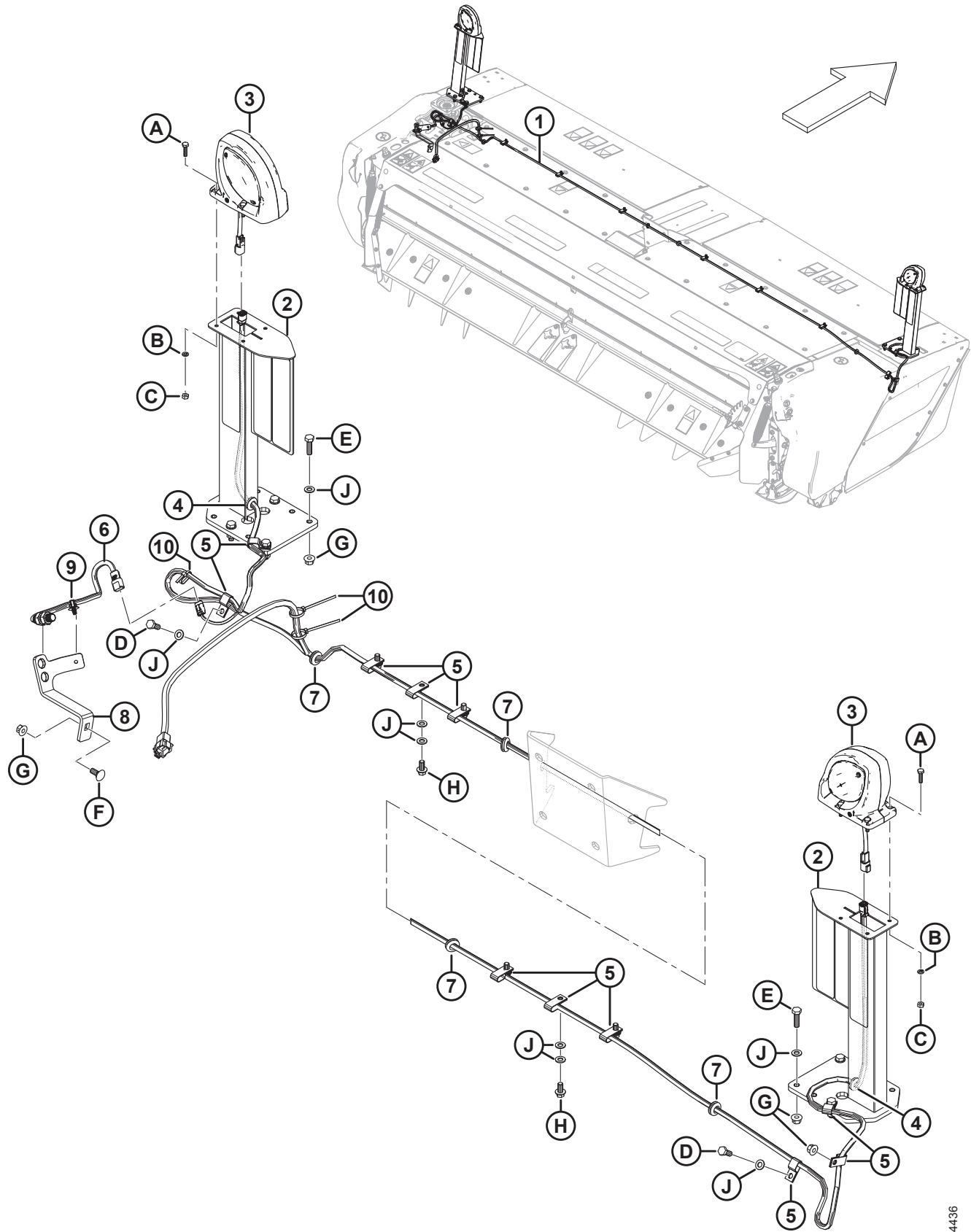


1024476

LIFT ASSEMBLY

Ref	Part Number	Description	Qty	Serial Number
1	256047	MEMBER – BOOT C/W BUSHINGS, RH	1	
	256046	MEMBER – BOOT C/W BUSHINGS, LH	1	
2	149342	BUSHING – RUBBER	4	
3	150454	PAD – RUBBER	2	
4	135408	PIN – CLEVIS	2	
5	13125	PIN – HAIR	2	
6	257186	SPACER – MACHINED	4	
A	21582	BOLT – HH 5/8 NC X 1.75 LG GR5 ZP		
B	18600	WASHER – SAE FLAT 21/32 ID X 1 5/16 IN OD ZP		
C	50225	NUT – FLANGE DT SMOOTH FACE .625-11 UNC		
D	30743	BOLT – HH 3/4 NC X 6.0 LG GR 5 ZP		
E	30387	BOLT – HH 3/4 NC X 6.5 LG GR 5 ZP		
F	112130	WASHER – HARD ASTM F436 3/4-400HV-AB3C		

21 Wiring Assembly



1024436

WIRING ASSEMBLY

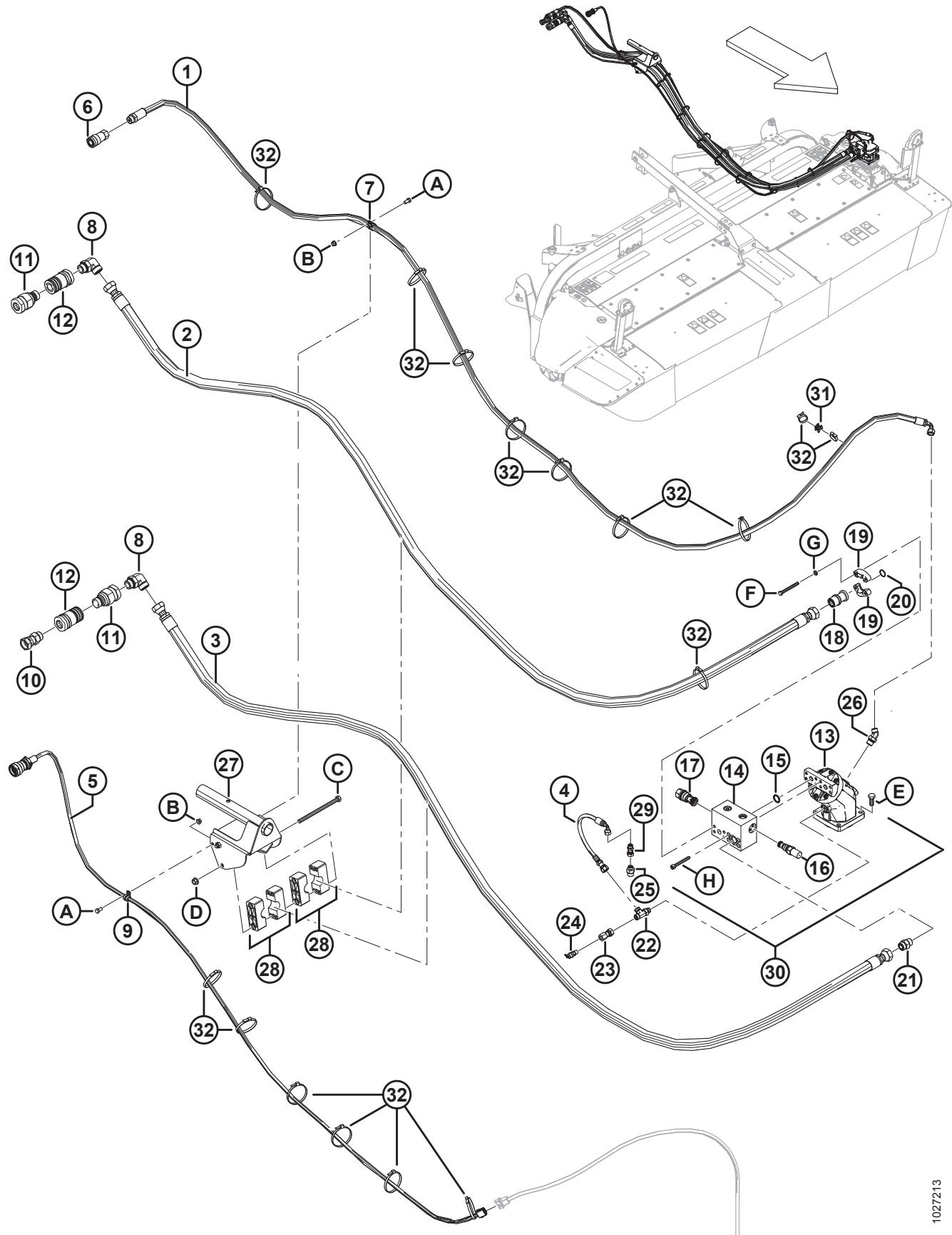
NOTE:

For electrical harness parts, refer to Electrical Connector Parts Catalog (MD #169641).

Ref	Part Number	Description	Qty	Serial Number
1	256584	HARNESS – R1 SP	1	
2	256338	ASSEMBLY – LAMP, MOUNT ⁵⁹	2	
3	203547	LAMP – CLEARANCE, DT CONNECTOR	2	
	139630	LENS – AMBER		
4	256545	GROMMET	2	
5	135233	CLAMP – DOUBLE HOSE INSULATED	11	
6	136167	SENDER – SPEED	1	
7	206482	GROMMET	4	
8	257028	BRACKET – SPEED SENSOR	1	
9	136655	FASTENER – FIR TREE MT C/W TIE	1	
10	21763	FASTENER – CABLE TIE, BLACK	3	
A	21573	BOLT – HEX HD 1/4 NC X 1.0 LG GR 5 ZP		
B	18635	WASHER – REG. LOCK 1/4 IN. NOM. ID ZP		
C	18588	NUT – HEX 1/4-20 UNC GR 5 ZP		
D	30627	BOLT – HEX HD TFL M10 X 1.5 X 25-8.8-A3L		
E	30628	BOLT – HEX HD M10 X 1.5 X 35-8.8-A3L		
F	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-A3L		
G	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10-A3L		
H	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-A3L		
J	184711	WASHER – FLAT REG M10-200HV-A3L		

59. Lamp mount assembly includes three reflectors (MD #115145, 115146, and 115147).

22 Hydraulic Drive – R113 and R116 to M1170



1027213

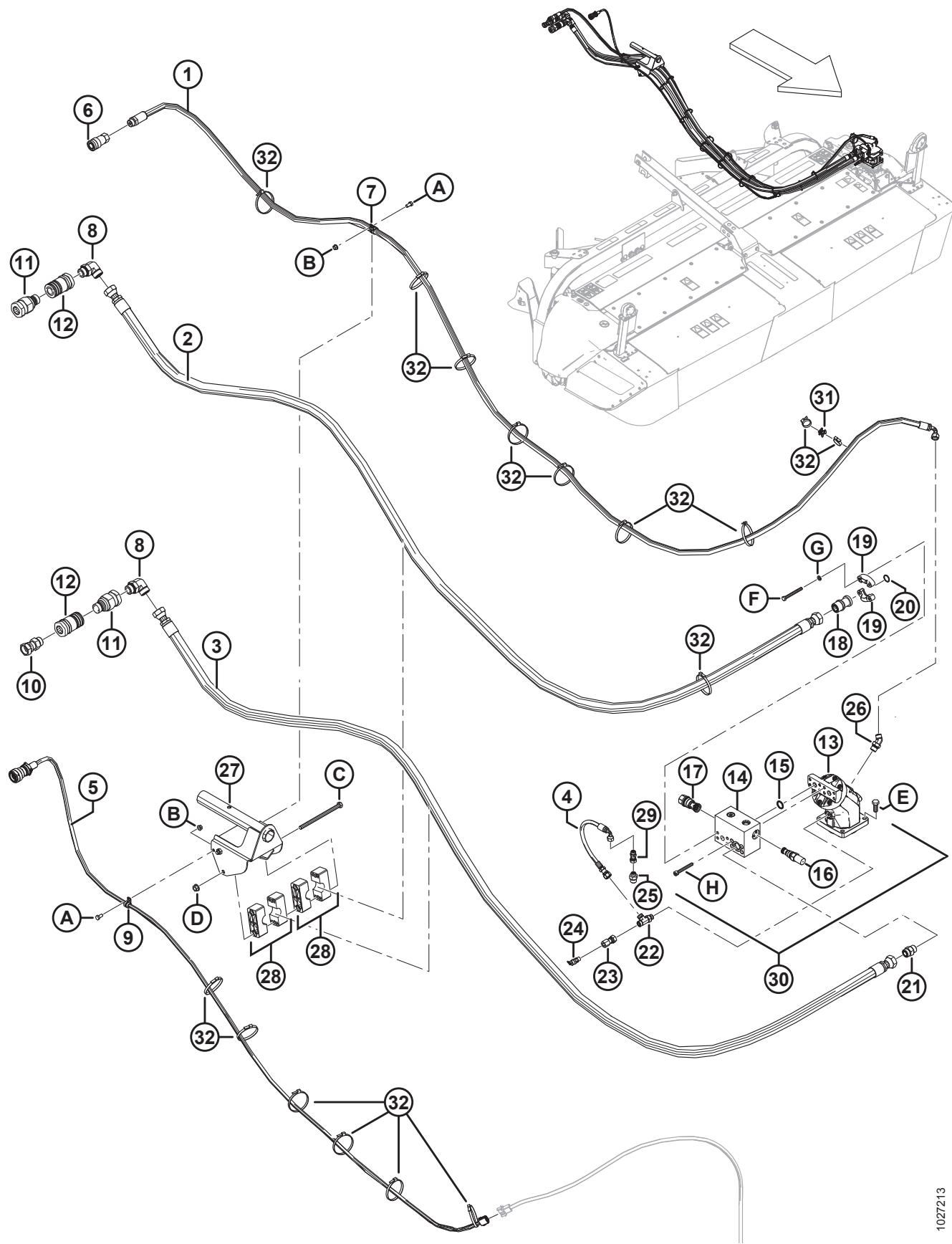
HYDRAULIC DRIVE – R113 AND R116 TO M1170

Ref	Part Number	Description	Qty	Serial Number
	B6621	KIT – R1 TO M1170 HYDRAULIC DRIVE ⁶⁰		
1	256110	HOSE – CASE DRAIN, 1/2 IN. DIA., 4660 MM LG	1	
2	256108	HOSE – HYD. HIGH PRESSURE, 1 IN. I.D., 4985 MM LG	1	
3	256109	HOSE – HYDRAULIC RETURN, 1 IN. I.D., 4130 MM LG	1	
4	256621	HOSE – DRAIN, 1/4 IN. DIA., 430 MM LG	1	
5	256586	HARNESS – M1 TO R1 DISC HEADER	1	
6	135474	COUPLER – HYDRAULIC, 1/2 IN. FEMALE FF	1	
7	135709	CLAMP – INSULATED 3/4 IN.	1	
8	135734	FITTING – ELBOW 90° HYD	2	
	50220	O-RING – #16 ORB		
	135554	O-RING – #16 ORFS		
9	135818	CLAMP – INSULATED 1/2 IN.	1	
10	136362	FITTING – ADAPTER	1	
	50220	O-RING – #16 ORB		
11	136412	FITTING – COUPLING MALE 1 IN.	2	
12	136413	FITTING – COUPLING FEMALE 1 IN.	2	
13	198610	MOTOR – HYDRAULIC	1	
	236535	SEAL KIT		
14	236634	MANIFOLD – RELIEF ⁶¹	1	
15	150595	O-RING – 0.984 IN. ID X 0.139 IN. WALL	2	
16	236538	VALVE – RELIEF	1	
17	236684	VALVE – CHECK	1	
18	135550	FITTING – 3/4 IN CD 62 X #16 MALE ORS C/W O-RING	1	
19	194026	FLANGE – HALF SPLIT 3/4 IN.-CODE 62	2	
20	150595	O-RING – 0.984 IN. ID X 0.139 IN. WALL	1	
21	135790	FITTING – ADAPTER	1	
	30971	O-RING – #12 ORB		
	135554	O-RING – #16 ORFS		
22	136258	FITTING – TEE HYD	1	
	44209	O-RING – #8 ORB		
	135866	O-RING – #8 ORFS		
23	252688	FITTING – ADAPTER	1	
24	120377	VALVE – RELIEF	1	
25	184462	FITTING – ADAPTER 6 MORFS X 10 MORB	1	
	44210	O-RING – #10 ORB		
	135865	O-RING – #6 ORFS		
26	136438	FITTING – ELBOW 45° HYD #8 ORFS/#8 ORB	1	
	44209	O-RING – #8 ORB		

60. Kits available through Whole Goods only.

61. Manifold includes check valve (MD #236684), relief valve (MD #236538), and two O-rings (MD #150595).

HYDRAULIC DRIVE – R113 AND R116 TO M1170



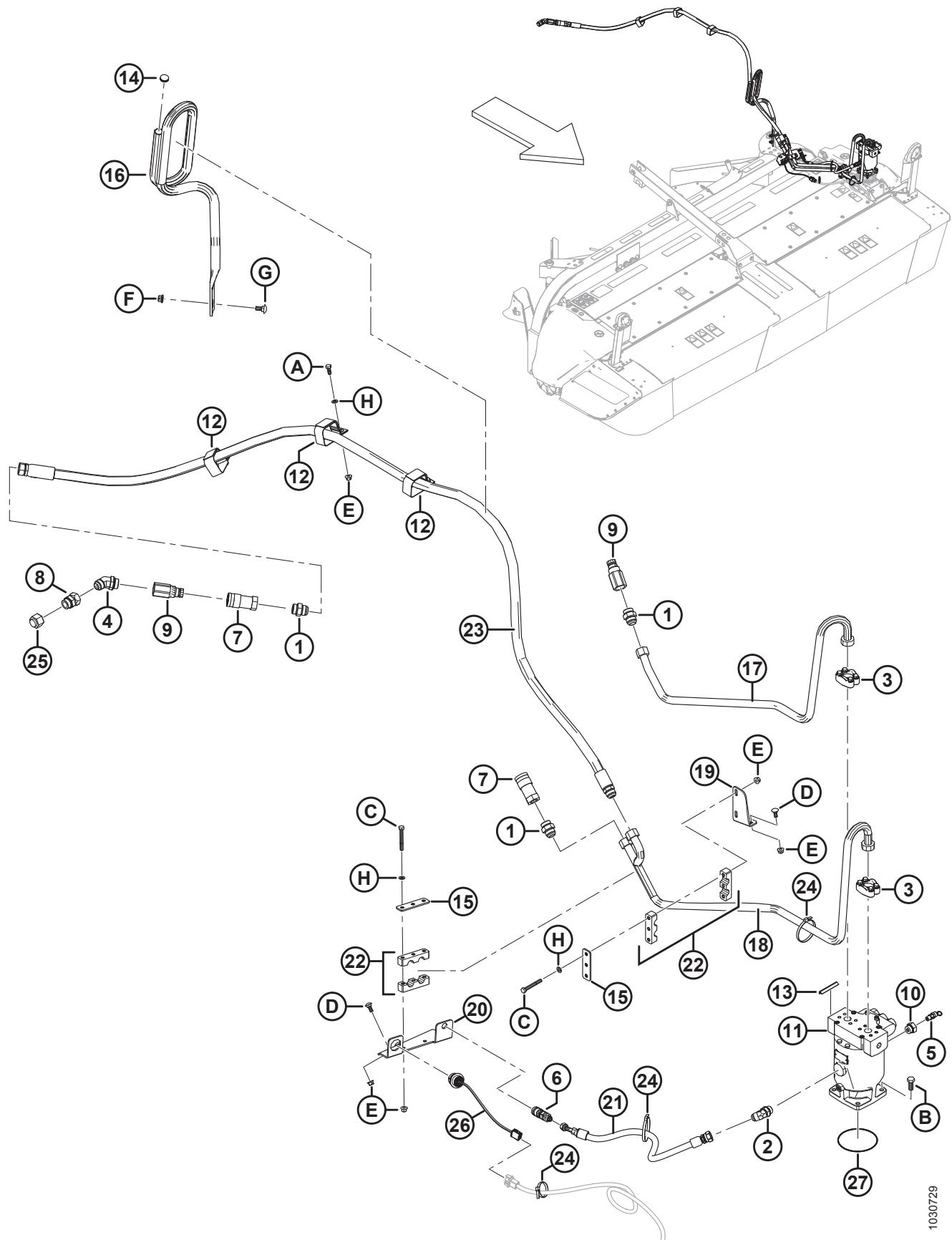
1027213

HYDRAULIC DRIVE – R113 AND R116 TO M1170

Ref	Part Number	Description	Qty	Serial Number
	135866	O-RING – #8 ORFS		
27	272233	SUPPORT – WELDT	1	
28	272251	CLAMP – PAIR	2	
29	136226	FITTING – HYD 0.062 IN. ORIFICE	1	
	135865	O-RING – #6 ORFS		
30	257149	KIT – MOTOR, FITTINGS, AND HARDWARE ⁶²	A/R	
31	134442	SPACER – DUAL SWIVEL SADDLE	1	
32	30753	FASTENER – CABLE TIE, BLACK	18	
A	21567	BOLT – HEX HD .375-16 UNC X 0.75 LG		
B	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		
C	135976	BOLT – HH 1/2 NC X 8 LG GR5 ZP		
D	50186	NUT – FLANGE LOCK SM FACE DT 0.500-13 UNC GR5		
E	135491	BOLT – HEX HD TFL M14 X 2 X 35-8.8-A3L		
F	136354	SCREW – HEX SOC HD ISO 4762 M10		
G	30632	WASHER – LOCK SPRING M10		
H	136108	SCREW – HEX SOC HD M10 X 1.5 X 80-12.9-BO		

62. Kit includes motor (MD #198610), relief manifold (MD #236634), fittings (MD #135790 and 136258), and hardware (MD #136108, 30632, and 136354).

23 Hydraulic Drive – R113 and R116 to M155E4



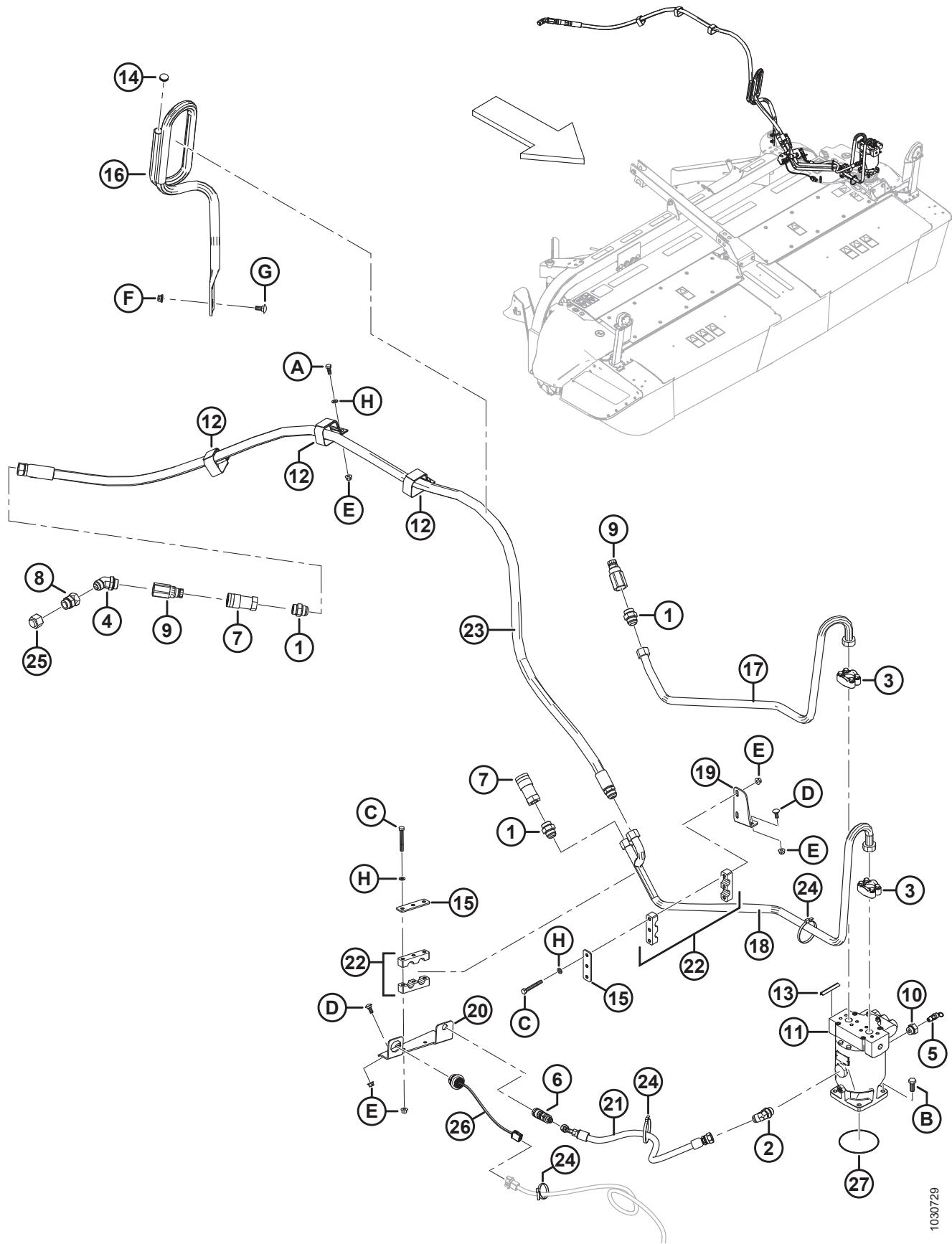
1030729

HYDRAULIC DRIVE – R113 AND R116 TO M155E4

Ref	Part Number	Description	Qty	Serial Number
	B6272	KIT – R1 TO M155E4 HYDRAULIC DRIVE ⁶³		
1	21828	FITTING – ADAPTER HYD	3	
2	50098	FITTING – ELBOW 45° HYD, C/W O-RING	1	
3	112866	KIT – SPLIT FLANGE, 1 IN., C/W HARDWARE	2	
	194033	FLANGE – HALF SPLIT 1 IN.		
	30191	WASHER – HARDENED ASTM F436 3/8		
	252640	BOLT – HH 3/8-16 X 1.25-GR8-AA3L		
	112868	O-RING – 1.296 IN. ID X 0.139 IN. WALL		
4	112936	FITTING – ELBOW 45° HYD, C/W O-RING	1	
5	120377	VALVE – RELIEF	1	
6	135213	COUPLING – FEMALE HYD. 3/8 FLAT FACE BULKHEAD	1	
7	135313	COUPLER – FEMALE HYD. 3/4 IN. FLAT FACE	2	
8	135316	FITTING – ADAPTER HYD C/W O-RING	1	
9	135544	COUPLER – MALE HYD. 3/4 IN. FLAT FACE 1 IN THREAD	2	
	135479	SEAL KIT		
10	135560	FITTING – ADAPTER HYD C/W O-RING	1	
11	150487	MOTOR – HYD	1	
	150879	SHAFT SEAL		
12	163585	STRAP – VELCRO, HANGING	3	
13	194082	MOULDING	1	
14	194389	PLUG – TUBE FINISHING	1	
15	256203	PLATE – STAUFF CLAMP	2	
16	256204	GUIDE – HOSE SUPPORT	1	
17	256240	LINE – RETURN	1	
18	256241	LINE – HIGH PRESSURE	1	
19	256292	SUPPORT – TUBE	1	
20	256315	SUPPORT – HYDRAULIC BRACKET	1	
21	256324	HOSE – SP CASE DRAIN, 1/2 IN. I.D., 740 MM LG	1	
22	256335	CLAMP – HEAVY TWIN PROFILED PAIR	2	
23	256585	HOSE – PRESSURE, 3/4 IN. I.D., 3250 MM LG	1	
24	30753	FASTENER – CABLE TIE, BLACK	3	
25	30905	CAP NUT – 1 IN. TUBE 37° FLARE	1	
26	139071	HARNESS	1	
27	257150	O-RING – 2.50 X 134.00	1	
A	30627	BOLT – HEX HD TFL M10 X 1.5 X 25-8.8-A3L		
B	135491	BOLT – HEX HD TFL M14 X 2 X 35-8.8-A3L		
C	135657	BOLT – HEX HD M10 X 1.5 X 80-8.8-A3L		
D	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-A3L		

63. Kits available through Whole Goods only.

HYDRAULIC DRIVE – R113 AND R116 TO M155E4

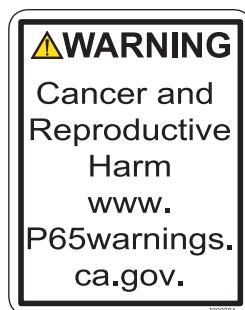
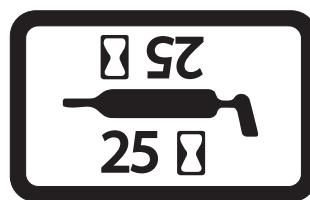
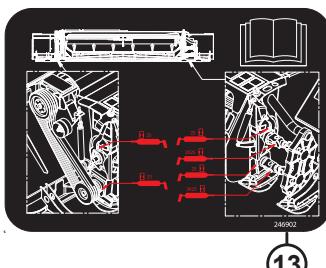
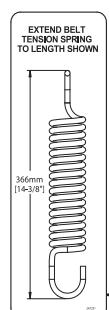


1030729

HYDRAULIC DRIVE – R113 AND R116 TO M155E4

Ref	Part Number	Description	Qty	Serial Number
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10-A3L		
F	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10-A3L		
G	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-A3L		
H	184711	WASHER – FLAT REG M10-200HV-A3L		

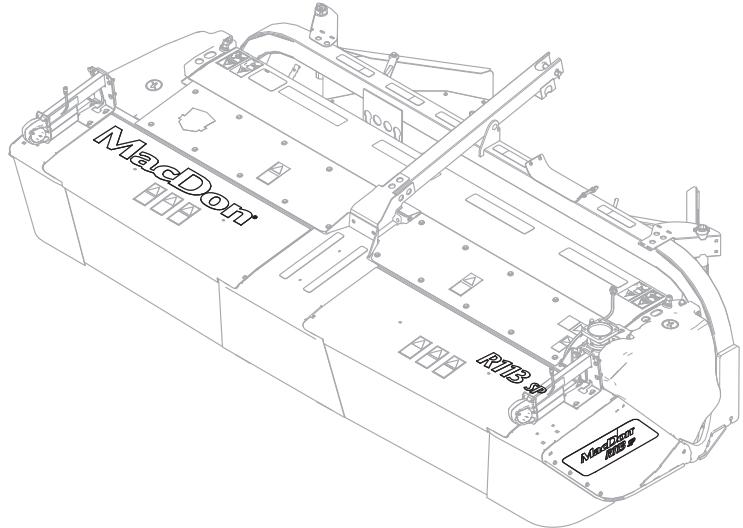
24 Decals – Information and Reflectors



DECALS – INFORMATION AND REFLECTORS

Ref	Part Number	Description	Qty	Serial Number
1	113482	DECAL – GENERAL HAZARD		
2	184372	DECAL – READ MANUAL		
3	184371	DECAL – CHAIN ENTANGLEMENT		
4	166466	DECAL – HIGH PRESSURE FLUID		
5	184385	DECAL – KEEP SHIELDS IN PLACE (SQUARE CORNERS)		
	246956	DECAL – KEEP SHIELDS IN PLACE (ROUND CORNERS)		
6	190546	DECAL – SLIPPERY SURFACE, 2 PANEL		
7	194465	DECAL – STAND CLEAR BLADES, 2 PANEL		
8	194466	DECAL – STAND CLEAR THROWN OBJECTS, 2 PANEL		
9	246959	DECAL – PINCH POINT		
10	247167	DECAL – STOP DRIVE		
11	304865	DECAL – NO LIFT		
12	247231	DECAL – SPRING TENSION		
13	246902	DECAL – GREASE, ROLLER CONDITIONER		
14	23164	DECAL – 25 HR LUBE		
	257190	DECAL – 100 HR LUBE		
15	302204	DECAL – CA PROPOSITION 65		
16	115145	REFLECTOR – FLUORESCENT RED-ORANGE		
	115146	REFLECTOR – AMBER		
	115147	REFLECTOR – RED		
17	132117	STRIP – ANTI SLIP (450 MM LG, 50 MM WIDE)		
	132898	STRIP – ANTI SLIP (450 MM LG, 80 MM WIDE)		

25 Decals – Product Identification, R113



MacDon®

①

R113 SP-②

MacDon®-③

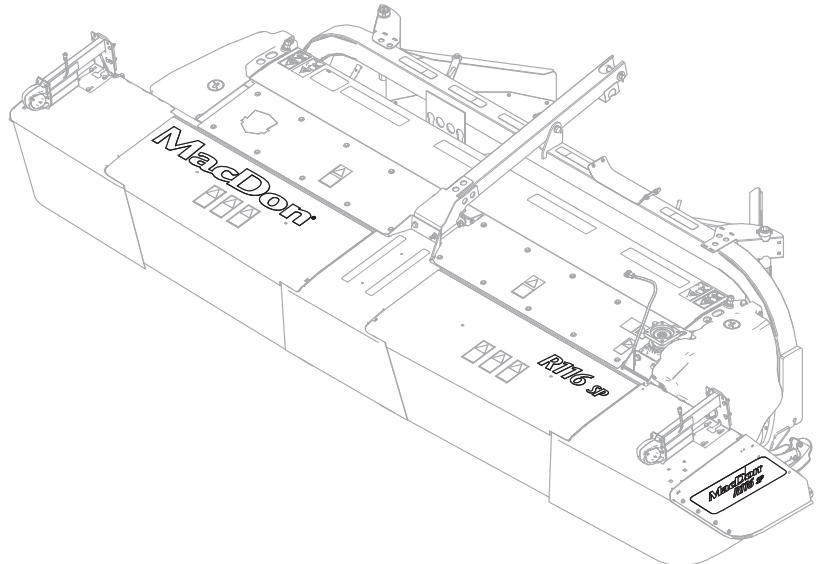
1027121

DECALS – PRODUCT IDENTIFICATION, R113

Ref	Part Number	Description	Qty	Serial Number
1	246896	DECAL – LH, END PANEL ⁶⁴	1	
	246897	DECAL – RH, END PANEL ⁶⁴	1	
2	256331	DECAL – END PANEL, R113 SP (WHITE, 221 MM LG)	2	
	256333	DECAL – TOP, R113 SP (WHITE, 468 MM LG)	1	
3	246997	DECAL – TOP, MACDON (WHITE, 1140 MM LG)	1	

64. Requires R113 SP end panel decal (MD #256331).

26 Decals – Product Identification, R116



R116 SP -②

MacDon® -③

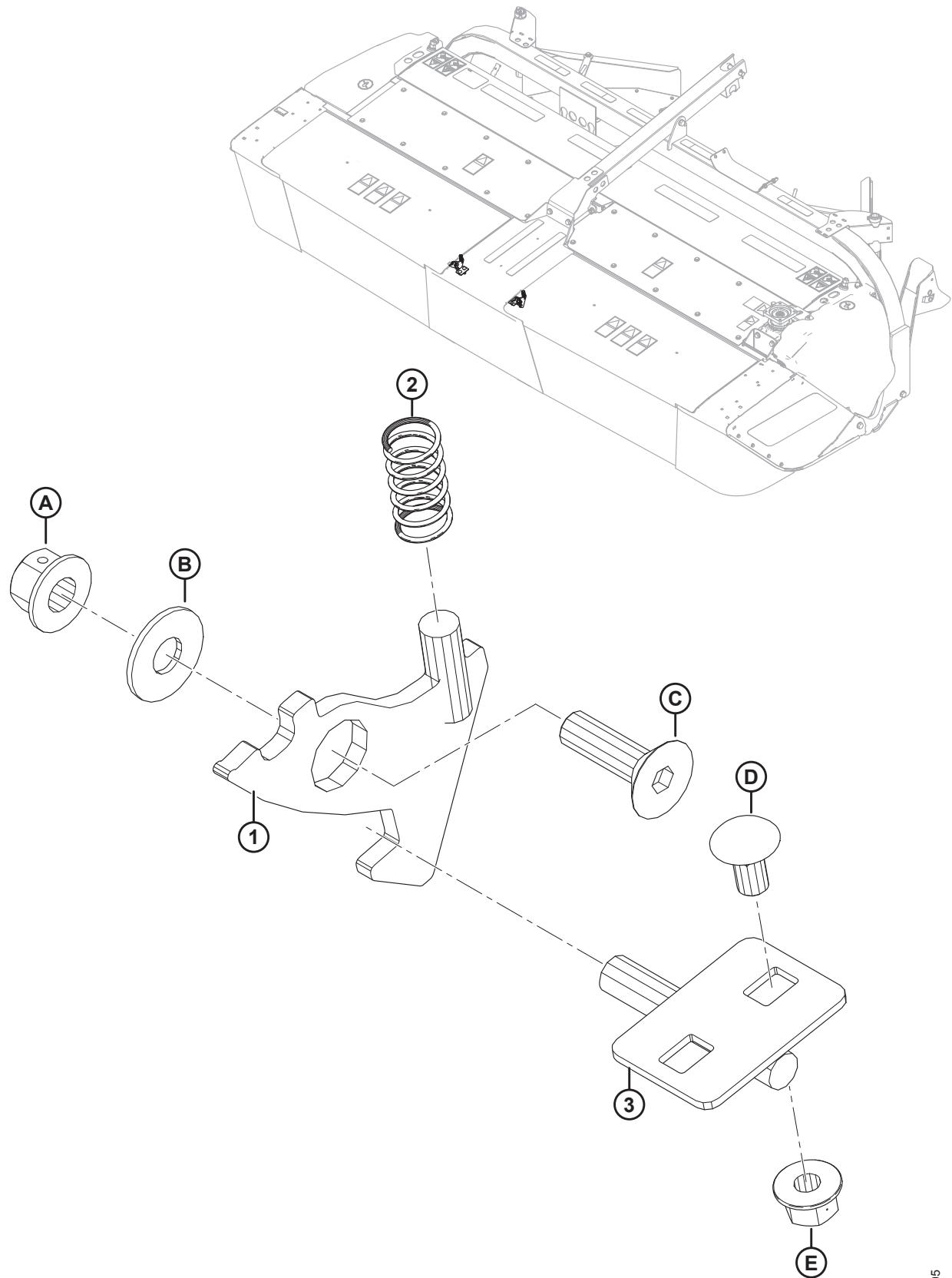
1027122

DECALS – PRODUCT IDENTIFICATION, R116

Ref	Part Number	Description	Qty	Serial Number
1	246896	DECAL – LH, END PANEL ⁶⁵	1	
	246897	DECAL – RH, END PANEL ⁶⁵	1	
2	256332	DECAL – END PANEL, R116 SP (WHITE, 221 MM LG)	2	
	256334	DECAL – TOP, R116 SP (WHITE, 468 MM LG)	1	
3	246997	DECAL – TOP, MACDON (WHITE, 1140 MM LG)	1	

65. Requires R116 SP end panel decal (MD #256332).

27 Tool Operated Latches – Export Only

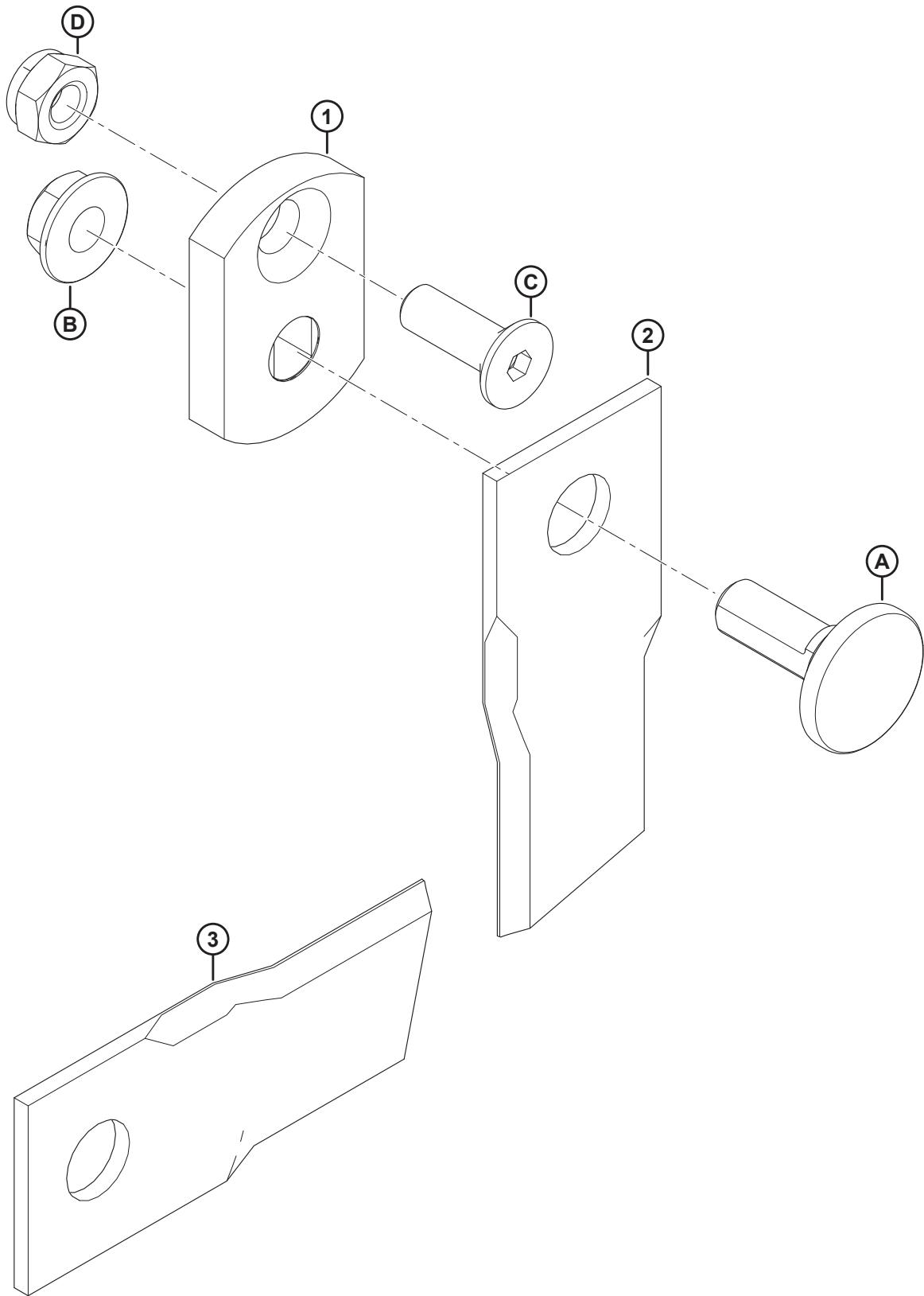


1021405

TOOL OPERATED LATCHES – EXPORT ONLY

Ref	Part Number	Description	Qty	Serial Number
1	246352	PLATE	2	
2	35618	SPRING – COMPRESSION	2	
3	247315	LATCH – WELDMENT	2	
A	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10-A3L		
B	184587	WASHER – FLAT, 0.5 IN ID, 1.25 IN OD, 0.109 IN THK		
C	136401	SCREW – HEX SOC CSK HD TFL M12 X 1.75 X 40-10.9-AA3L		
D	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-A3L		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10-A3L		

28 (Option) Blade Lowering Kit



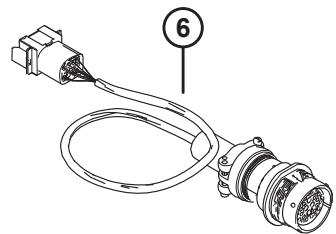
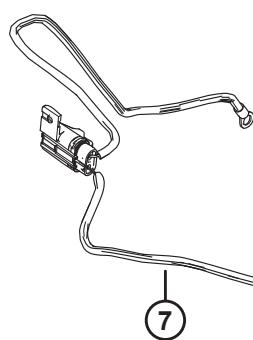
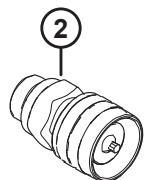
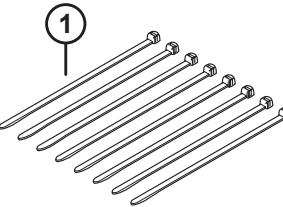
1021518

(OPTION) BLADE LOWERING KIT

Ref	Part Number	Description	Qty	Serial Number
	257123	KIT – 18° BLADE LOWERING ⁶⁶		
1	281606	PLATE – BLADE, 10 MM	24	
2	259200	BLADE – 18° CCW BEVEL DOWN (6 PACK)	4	
3	259199	BLADE – 18° CW BEVEL DOWN (6 PACK)	4	
A	281604	BOLT – BLADE		
B	246300	NUT – BLADE		
C	281605	BOLT – ACCELERATOR		
D	246303	NUT – ACCELERATOR		

66. Kit includes all listed parts and hardware.

29 (Option) R113 SP to M205 Compatibility Kit



7



1033496

(OPTION) R113 SP TO M205 COMPATIBILITY KIT

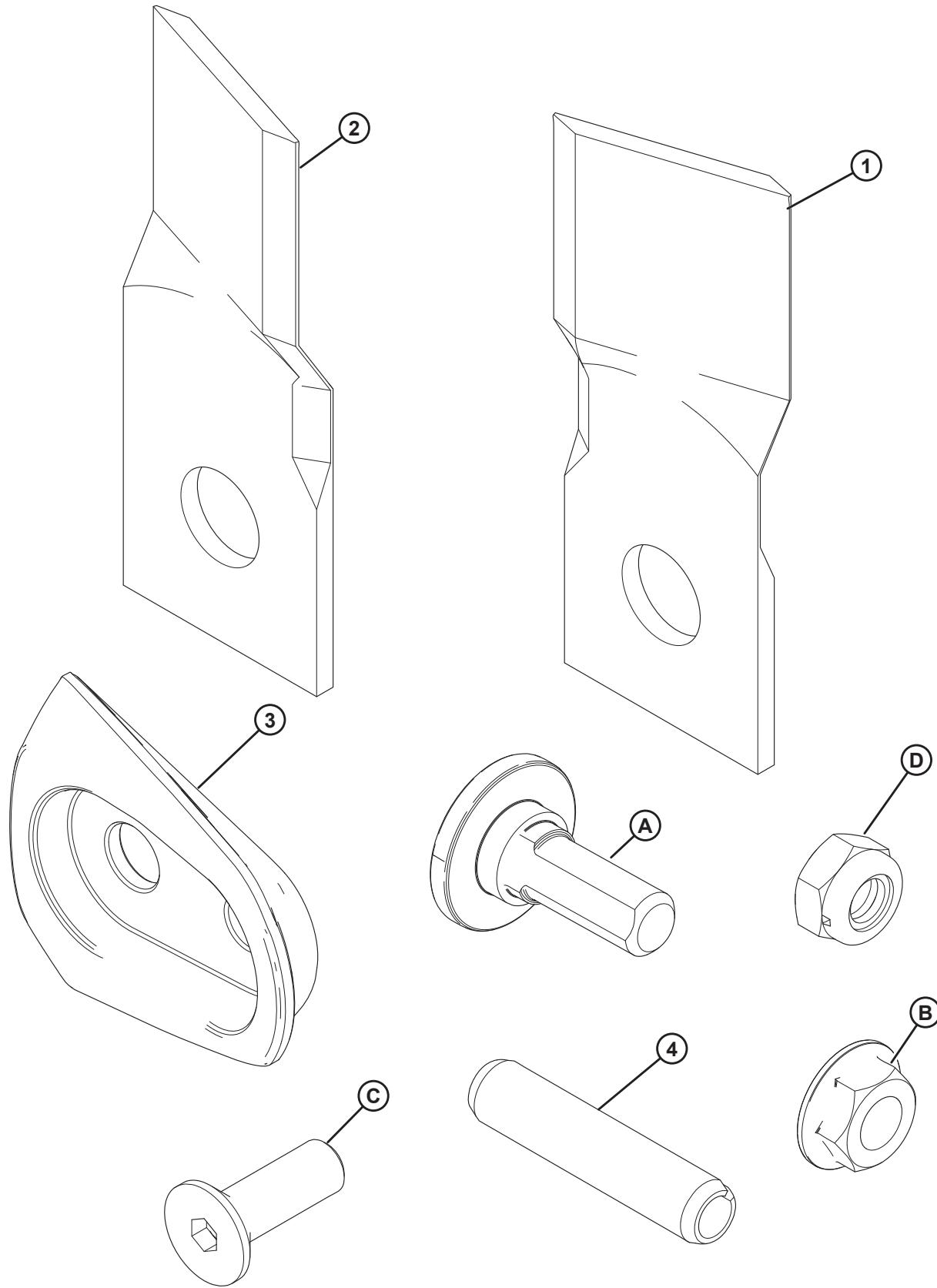
NOTE:

The R113 SP to M205 Compatibility kit is required for R113 Rotary Disc Headers that were originally configured for an M1170 Windrower to operate on an M205 Self-Propelled Windrower.

Ref	Part Number	Description	Qty	Serial Number
	257188	KIT – R113 SP TO M205 CONNECTION 67		
1	21763	FASTENER – CABLE TIE, BLACK	8	
2	138344	COUPLER – HYDRAULIC	1	
	135554	O-RING		
3	138345	COUPLER – HYDRAULIC	1	
	138344	O-RING		
4	159635	VALVE – RELIEF, 75 PSI	1	
5	252232	FITTING – UNION HYD	2	
	135867	O-RING		
	135869	O-RING		
6	256650	HARNESS – R113 TO M205	1	
7	256651	ASSY – PWM MODULE AND POWER	1	

67. Kit includes all listed parts and instructions.

30 (Option) R1 Service Kit



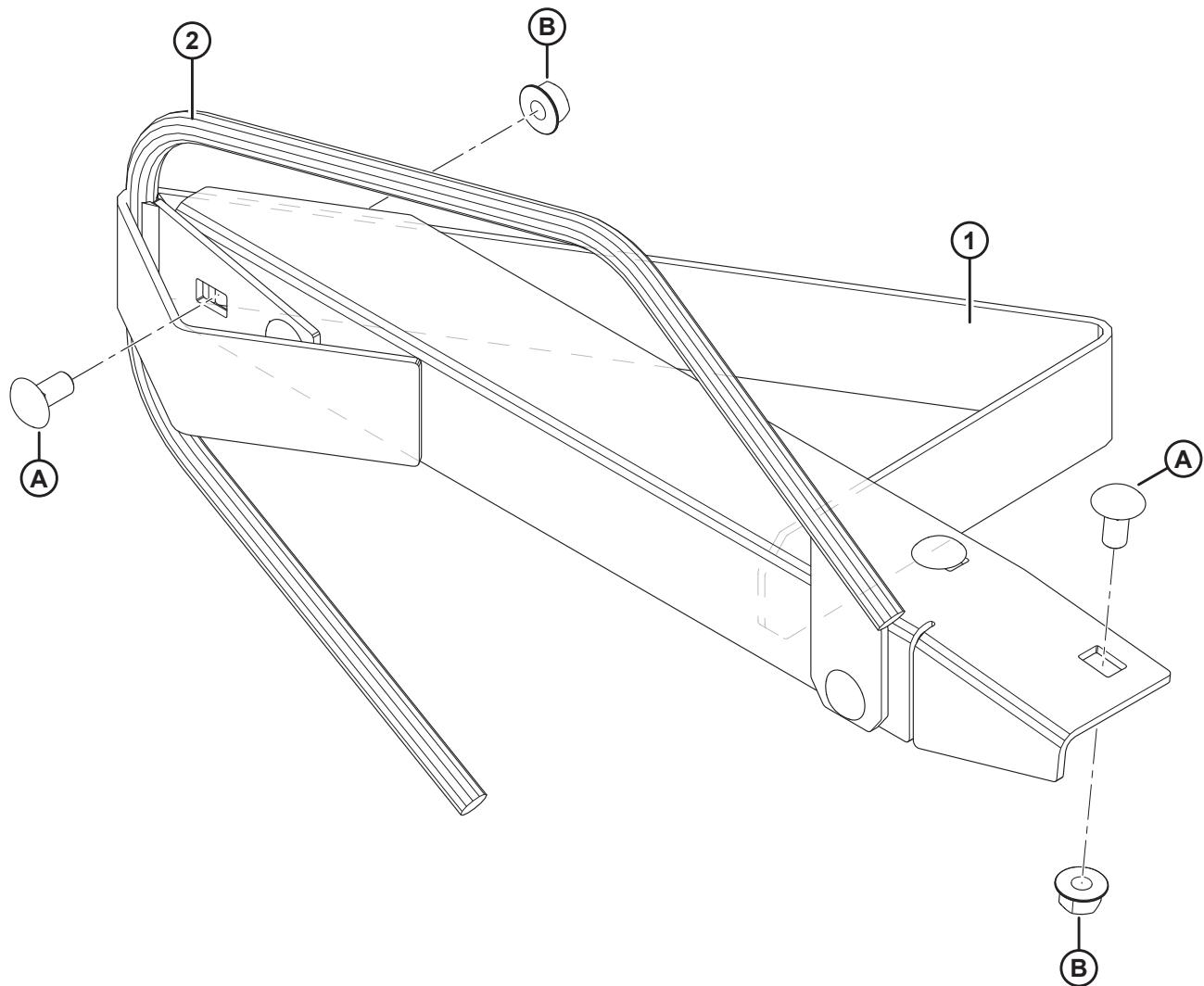
1023715

(OPTION) R1 SERVICE KIT

Ref	Part Number	Description	Qty	Serial Number
	259053	KIT – SERVICE R1 68		
1	259199	BLADE – CW 18° BEVEL DOWN (6 PACK)	4	
2	259200	BLADE – CCW 18° BEVEL DOWN (6 PACK)	4	
3	247940	GUARD – DISC HW (PAIR)	4	
4	246295	PIN – SHEAR	2	
A	281604	BOLT – BLADE		
B	246300	NUT – BLADE		
C	281605	BOLT – ACCELERATOR		
D	246303	NUT – ACCELERATOR		

68. Kit is intended to replace all blades and hardware on an R1 Series Rotary Disc Header.

31 (Option) Tall Crop Dividers



1010757

(OPTION) TALL CROP DIVIDERS

Ref	Part Number	Description	Qty	Serial Number
	B5800	KIT – TALL CROP DIVIDERS ⁶⁹		
1	223236	DIVIDER WELDMENT – LH	1	
	223248	DIVIDER WELDMENT – RH	1	
2	223232	ROD WELDMENT – CROP DIVIDER	2	
A	152439	BOLT – RHSSN M12 X 1.75 X 25-8.8-A3L		
B	184697	NUT – HEX SER FLG M12 X 1.75-8-A3L		

69. Kits available through Whole Goods only.

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