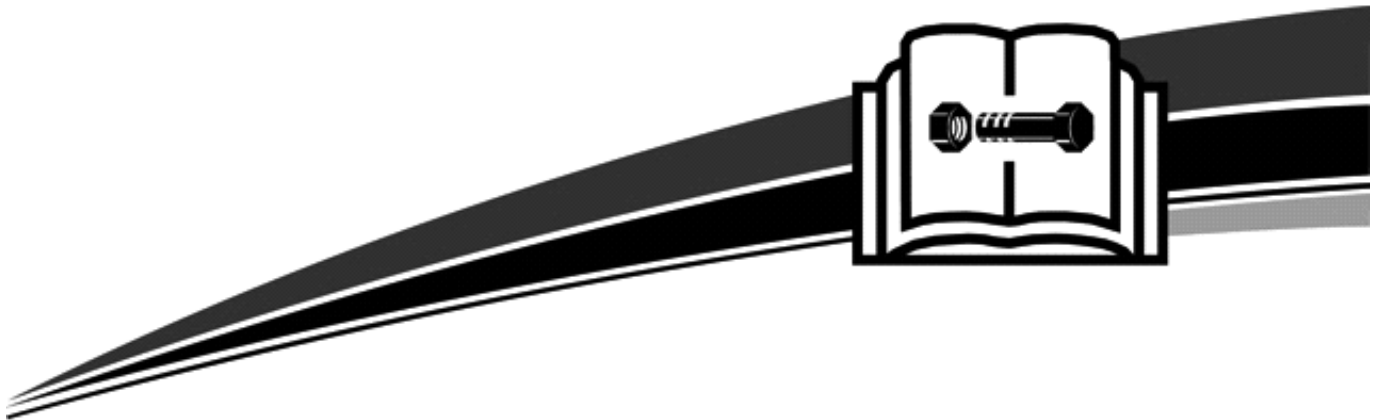


# RTX100 Trencher

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## *Parts Manual*



Publish Date Thu, 17 Dec 2015  
Serial No. 1956-  
Order No. 105400ZVL



**Vermeer**

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DO MORE.

## HOW TO USE THE MANUAL

This manual contains illustrations and parts lists of components and assemblies which make up the machine. Each page consists of the name of the assembly or component, a figure number, reference numbers, part numbers, part names, and the quantities of the parts used.

Assembly or component name helps identify the illustration and parts list for each figure. This name also helps locate the general area of the machine where the assembly or component can be located.

Figure numbers are used to identify each assembly or component and to group these assemblies or components into major categories.

Reference numbers shown in a column refer to the numbered parts in the illustration. This ties the part in the illustration to the part number and description in the parts list.

Part numbers are used to identify individual parts or part assemblies.

Part descriptions provide the name of the part, plus additional information such as dimensional specifications and what parts are grouped together to form part assemblies, which helps you identify the part(s).

Quantities listed for each figure are only for that assembly or component and not the total used per machine.

This parts manual is not intended to be a complete guide for machine service or repairs. Contact your Vermeer dealer for any of your service or technical requirements.

## ORDERING PARTS

Parts for repair or replacement are available through our network of authorized dealers located throughout the world.

Use only authorized Vermeer parts for repair or replacement. Always give the serial number and

model number of the machine for which parts are being ordered. When ordering parts for component(s), which are not manufactured by Vermeer Corporation, also give the serial number of that component(s). Order all parts by part number, part name, and quantity needed.

## UPDATING AND REORDERING MANUALS

The parts lists, illustrations, and specifications in this manual are based on the latest information available at time of publication. Your machine may have product improvements and options not yet contained in this manual.

Vermeer Corporation reserves the right to make changes at any time without notice or obligation to you.

Your dealer will receive notice of these changes and can assist you with accurate parts identification when ordering.

A copy of this manual is supplied with each machine. Additional copies are available through your dealer. When ordering additional manuals, use the reorder number listed on the front cover and the quantity needed.

## NOTICE TO OWNER

Replacement manuals are free of charge by registering your **used** Vermeer machine. Your machine's Operator's, Maintenance and Parts Manuals may be available online at [www.myvermeer.com](http://www.myvermeer.com). For questions about online or printed manuals, or to register a used machine, contact the Customer Data Department by telephone: 800-829-0051 or 641-628-3141; email: [customerdata@vermeer.com](mailto:customerdata@vermeer.com); internet: [www.vermeer.com](http://www.vermeer.com) or [www.myvermeer.com](http://www.myvermeer.com); or, letter: Customer Data Dept., Vermeer Corporation, PO Box 200, Pella IA 50219 USA.

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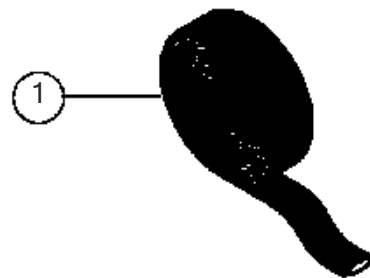
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Hydraulic Supplies

Fig 01-01

CORDURA SLEEVES

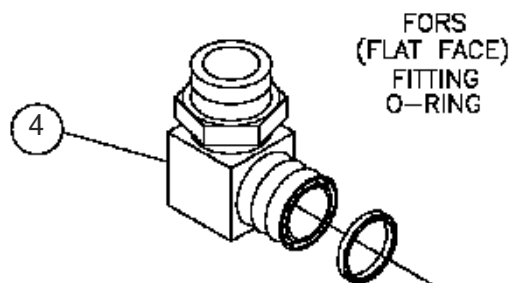
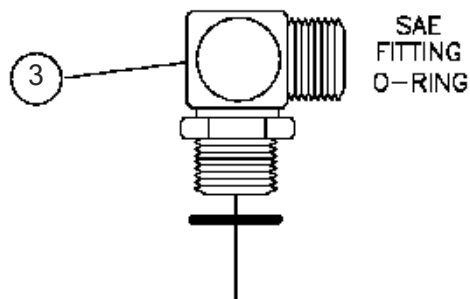


NOTE: SPECIFY LENGTH WHEN ORDERING

TIE STRAPS



O-RINGS



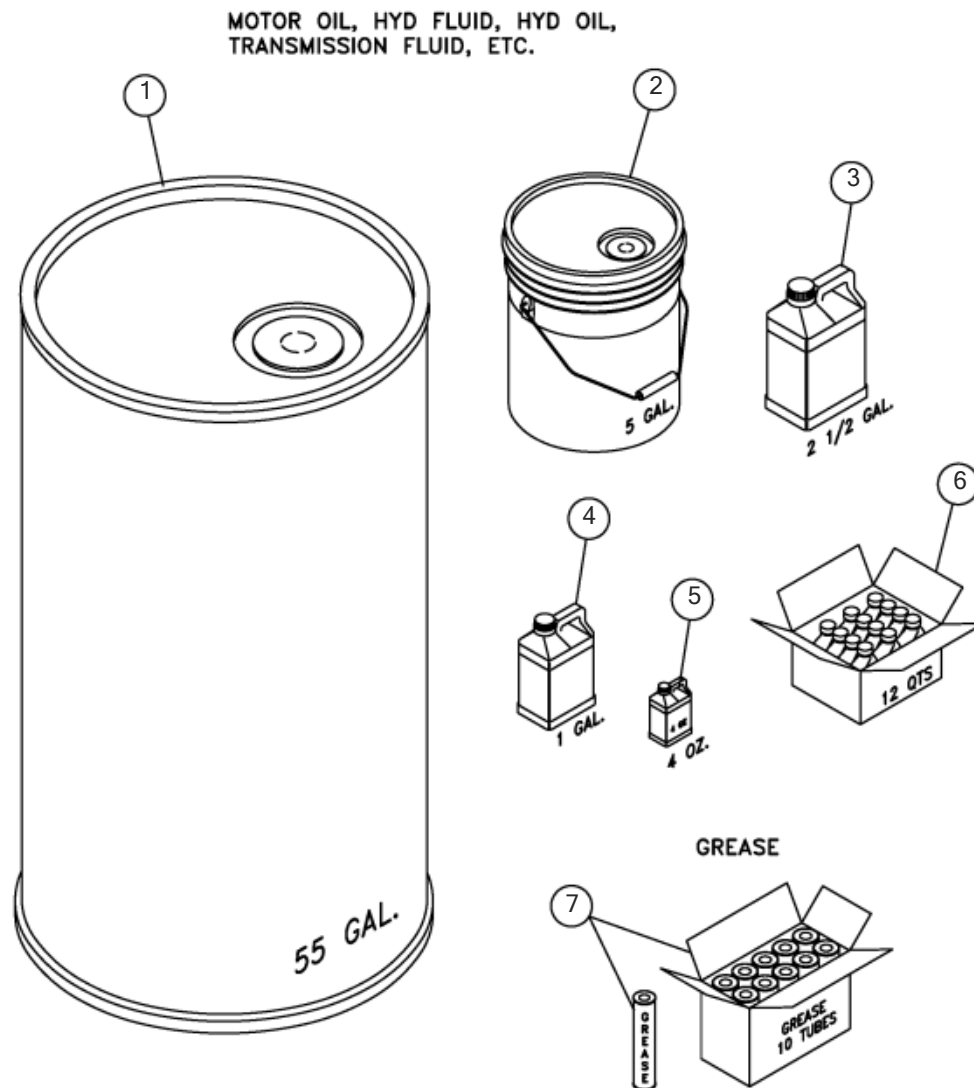
NOTE: O-RINGS LISTED ARE 90 DUROMETER

**Hydraulic Supplies**  
**Fig 01-01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
		CORDURA SLEEVES	A/R	
1	83726001	CORDURA SLEEVE-.090WALLX.71ID.	A/R	SPECIFY LENGTH
1	66094001	CORDURA SLEEVE .090WALL 1.22ID	A/R	SPECIFY LENGTH
1	67264001	CORDURA SLEEVE .090WALL 1.42ID	A/R	SPECIFY LENGTH
1	69129001	SLEEVE-CORDURA 1.59ID	A/R	SPECIFY LENGTH
1	53840001	CORDURA SLEEVE-.090WALL1.81 ID	A/R	SPECIFY LENGTH
1	53841001	CORDURA SLEEVE-.090WALL 2.37DI	A/R	SPECIFY LENGTH
1	235824001	CORDURA SLEEVE-NHS-090	A/R	SPECIFY LENGTH
		TIE STRAPS	A/R	
2	78657001	STRAP-CABLE TIE 4" T18R	A/R	
2	59634001	SINGLE NYTIE - 8"	A/R	
2	58151001	STRAP-CABLE TIE-T120R-0 15"	A/R	
		O-RINGS (SAE)	A/R	
3	78185027	O-RING # 407228	A/R	
3	53649081	O-RING	A/R	
3	59088057	O-RING AS-906-C90	A/R	
3	59088053	O-RING SAE 8	A/R	
3	792029	O-RING	A/R	
3	78518037	ORING	A/R	
3	793017	ORING	A/R	
3	81580001	O-RING # AS-916-090	A/R	
3	93316001	O-RING AS-920-C90	A/R	
		O-RINGS (FORS)	A/R	
4	4485011	O-RING-250003-903 (90D) 5/16" ID X 7/16" OD	A/R	90 DUROMETER
4	1749025	SEAL-O RING 15007 (90D)	A/R	90 DUROMETER
4	16138031	ORING	A/R	90 DUROMETER
4	93846001	O-RING-AS-016-C90 FOR#10ORS FIT	A/R	90 DUROMETER
4	93847001	O-RING-AS-018-C90 FOR#12ORS FIT	A/R	90 DUROMETER
4	19876047	O-RING-405895 (90D)	A/R	90 DUROMETER
4	93849001	O-RING-AS-025-C90 FOR#20ORS FIT	A/R	90 DUROMETER
4	93850001	O-RING-AS-029-C90 FOR#24ORS FIT	A/R	90 DUROMETER

### Lubricants

Fig 01-02





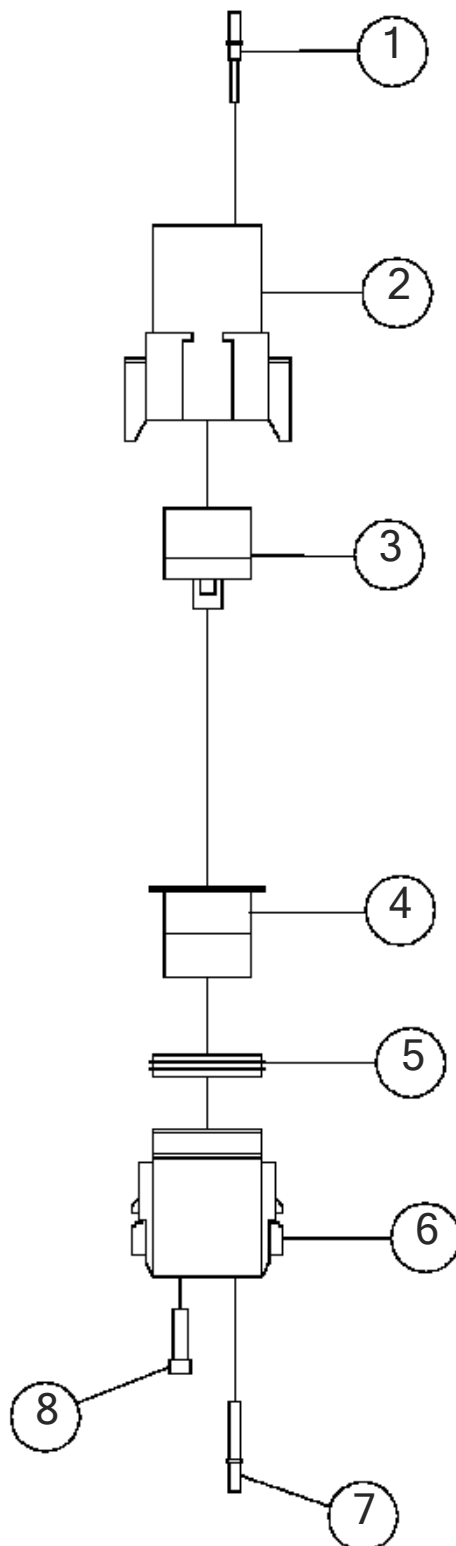
**Lubricants**  
**Fig 01-02**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
		55 GALLON	A/R	
1	99661005	ULTRA GOLD 15W40 55 GALLON DRUM	A/R	
1	104155005	ULTRA GOLD 30W 55 GALLON DRUM	A/R	
1	99662005	ULTRA GOLD VMF HYD FLUID 55 DRUM	A/R	
1	101518005	ULTRA GOLD HY-POWER 68 55 GALLON DRUM	A/R	
1	101519005	ULTRA GOLD HY-POWER 100 55 GALLON DRUM	A/R	
1	621584005	ULTRA GOLD HY-POWER 46 HYD OIL 55 GAL.	A/R	
1	144569982	MOBIL EAL224H 55 GALLON DRUM	A/R	
1	99663005	ULTRA GOLD 80/90WGEAR OIL 55 DRUM	A/R	
1	99661005	ULTRA GOLD 15W40 55 GALLON DRUM	A/R	
		5 GALLON	A/R	
2	99661003	ULTRA GOLD 15W40 5 GALLON PAIL	A/R	
2	142939003	ULTRA GOLD 10W/30 5 GAL PAIL	A/R	
2	99662003	ULTRA GOLD VMF HYD FLUID 5 GALLON PAIL	A/R	
2	101518003	ULTRA GOLD HY-POWER 68 5 GALLON PAIL	A/R	
2	101519003	ULTRA GOLD HY-POWER 100 5 GALLON PAIL	A/R	
2	621584003	ULTRA GOLD HY-POWER 46 HYD OIL 5 GALLON	A/R	
2	125653003	ULTRA GOLD ATF 5 GALLON	A/R	
2	127732003	HYD. OIL-BIODEGRADABLE (5 GAL)	A/R	
2	99663003	ULTRA GOLD 80W90 TRANS 5 GALLON PAIL	A/R	
		2 1/2 GALLON	A/R	
3	99661002	ULTRA GOLD 15W40 CASE 2 2 1/2 GALLON JUGS	A/R	
3	99662002	ULTRA GOLD VMF HYD 2 2 1/2 GALLON JUGS	A/R	
3	101518002	ULTRA GOLD HY-POWER 68 2 2 1/2 GALLON JUGS	A/R	
3	101519002	ULTRA GOLD HY-POWER 100 2 2 1/2 GALLON BUCKETS	A/R	
3	621584002	ULTRA GOLD HY-POWER 46 HYD OIL 2 1/2 GAL (CASE 2)	A/R	
3	125653002	ULTRA GOLD ATF FLUID 2 2 1/2 GALLON JUGS	A/R	
3	99663002	ULTRA GOLD 80W90 TRANS 2 1/2 case	A/R	
3	142939002	ULTRA GOLD 10W30 2 2 1/2 GALLON BUCKETS	A/R	
		1 GALLON	A/R	
4	101518007	ULTRA GOLD HY-POWER 68 BULK	A/R	
		MISC	A/R	
5	2647001	DIFFERENTIAL FLUID - 4 OZ.	A/R	
		12 QUARTS (CASE)	A/R	
6	99661008	ULTRA GOLD 15W40 CASE 12 QUARTS	A/R	
6	142939008	ULTRA GOLD 10W30 MOTOR OIL(12 QTS)	A/R	
6	247337008	50W OIL-NONDETERGENT(CASE 12 QUARTS)	A/R	
6	216825008	ULTRA GOLD 75W90 SYNTHETIC 12 QUARTS	A/R	
6	238858008	PL VMR ISO SYN GEAR 12QT/CS	A/R	
		10PC CASE (14OZ TUBES)	A/R	
7	101562003	ULTRA GOLD ULTRA LC GREASE CASE OF 10 14OZ	A/R	

DT Series Connectors

Fig 01-03

DT SERIES



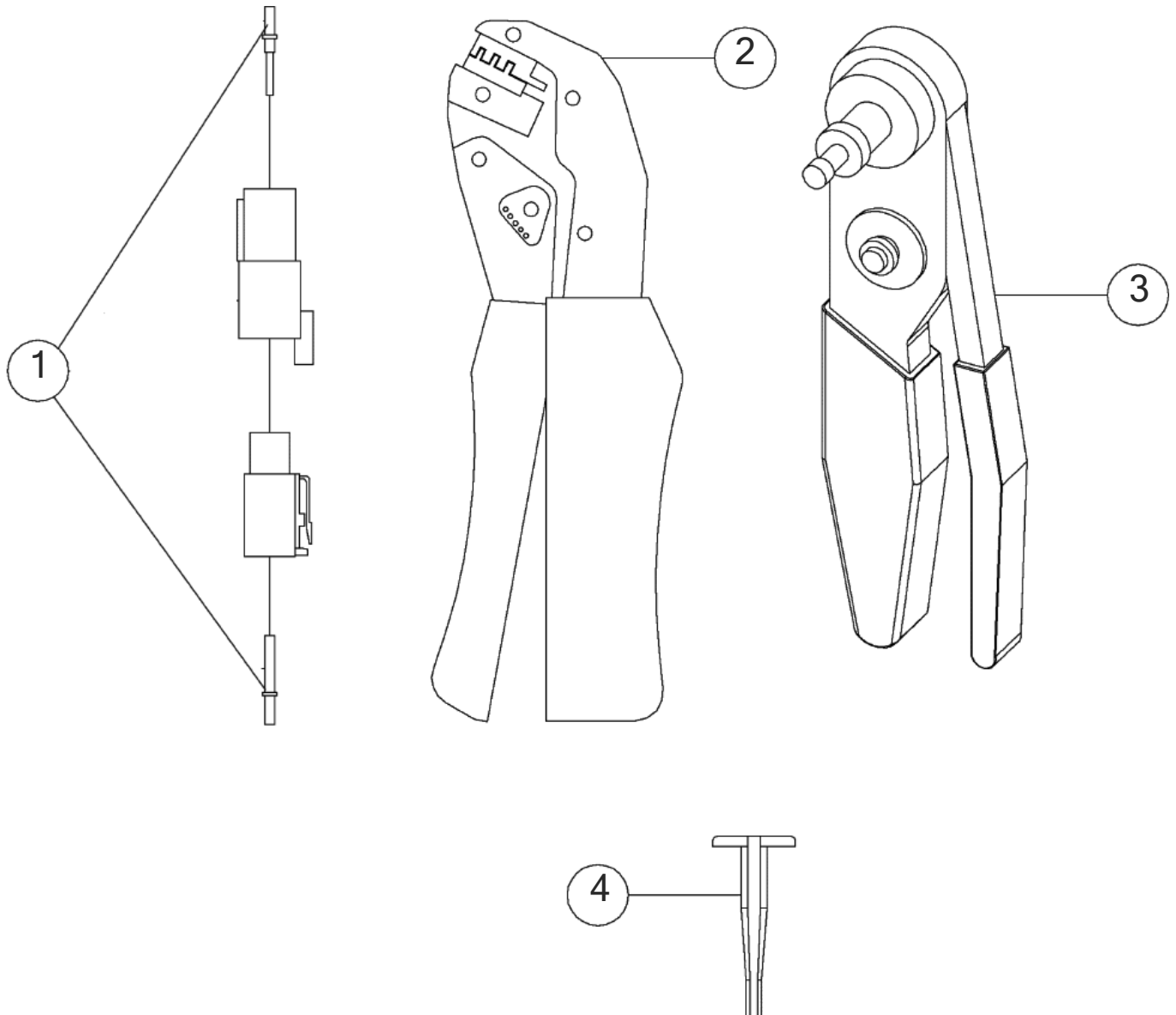
## DT Series Connectors

Fig 01-03

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	276866001	PIN - 14/16 GA.	A/R	
1	87696001	CONTACT PIN - SIZE 16, SOLID	A/R	
2	125286001	RECEPTACLE-DEUTSCH 2 PIN	A/R	
2	276868001	RECEPTACLE - 3 PIN	A/R	
2	130656001	RECEPTACLE-DEUTSCH 4 PIN	A/R	
2	276890001	RECEPTACLE - 6 PIN	A/R	
2	276943001	8 WAY RECEPTACLE - DT SERIES	A/R	
2	276944001	8 WAY RECEPTACLE - DT SERIES	A/R	
2	276945001	8 WAY RECEPTACLE - DT SERIES	A/R	
2	276946001	8 WAY RECEPTACLE - DT SERIES	A/R	
2	276947001	RECEPTACLE - 12 PIN (A)	A/R	
2	276948001	12 WAY RECEPTACLE - DT SERIES	A/R	
2	276949001	12 WAY RECEPTACLE - DT SERIES	A/R	
2	276950001	12 WAY RECEPTACLE - DT SERIES	A/R	
3	276870001	WEDGE - 2 PIN RECEPTACLE	A/R	
3	276871001	WEDGE - 3 PIN RECEPTACLE	A/R	
3	276872001	WEDGE - 4 PIN RECEPTACLE	A/R	
3	276873001	WEDGE - 6 PIN RECEPTACLE	A/R	
3	94200001	8 CONTACT RECEPTACLE - WEDGE LOCK	A/R	
3	103213001	12 CONTACT RECEPTACLE - WEDGE LOCK	A/R	
4	276874001	WEDGE - 2 PIN PLUG	A/R	
4	125284001	3 CONTACT PLUG - WEDGE LOCK	A/R	
4	276876001	4 WAY PLUG - WEDGELOCK	A/R	
4	276877001	WEDGE - 6 PIN PLUG	A/R	
4	98106001	8 CONTACT PLUG - WEDGE LOCK	A/R	
4	103214001	WEDGE - 12 PIN PLUG	A/R	
5	276878001	GASKET - INTERFACE 2 PIN	A/R	
5	276879001	GASKET - INTERFACE 3 PIN	A/R	
5	276880001	GASKET - INTERFACE 4 PIN	A/R	
5	276881001	GASKET - INTERFACE 6 PIN	A/R	
5	276882001	GASKET - INTERFACE 8 PIN	A/R	
5	276883001	GASKET - INTERFACE 12 PIN	A/R	
6	276884001	PLUG - 2 PIN	A/R	
6	125289001	3 WAY PLUG - DT SERIES	A/R	
6	276886001	4 WAY PLUG - DT SERIES	A/R	
6	276887001	PLUG - 6 PIN	A/R	
6	98107001	8 WAY PLUG - DT SERIES	A/R	
6	276985001	8 WAY PLUG - DT SERIES	A/R	
6	276986001	8 WAY PLUG - DT SERIES	A/R	
6	276987001	8 WAY PLUG - DT SERIES	A/R	
6	103211001	12 WAY PLUG - DT SERIES	A/R	
6	276988001	12 WAY PLUG - DT SERIES	A/R	
6	276989001	12 WAY PLUG - DT SERIES	A/R	
6	276990001	12 WAY PLUG - DT SERIES	A/R	
7	91354001	CONTACT SOCKET - SIZE 16, SOLID	A/R	
8	94201001	PLUG - SEALING (12-16)	A/R	

DT Series Tools

Fig 01-04



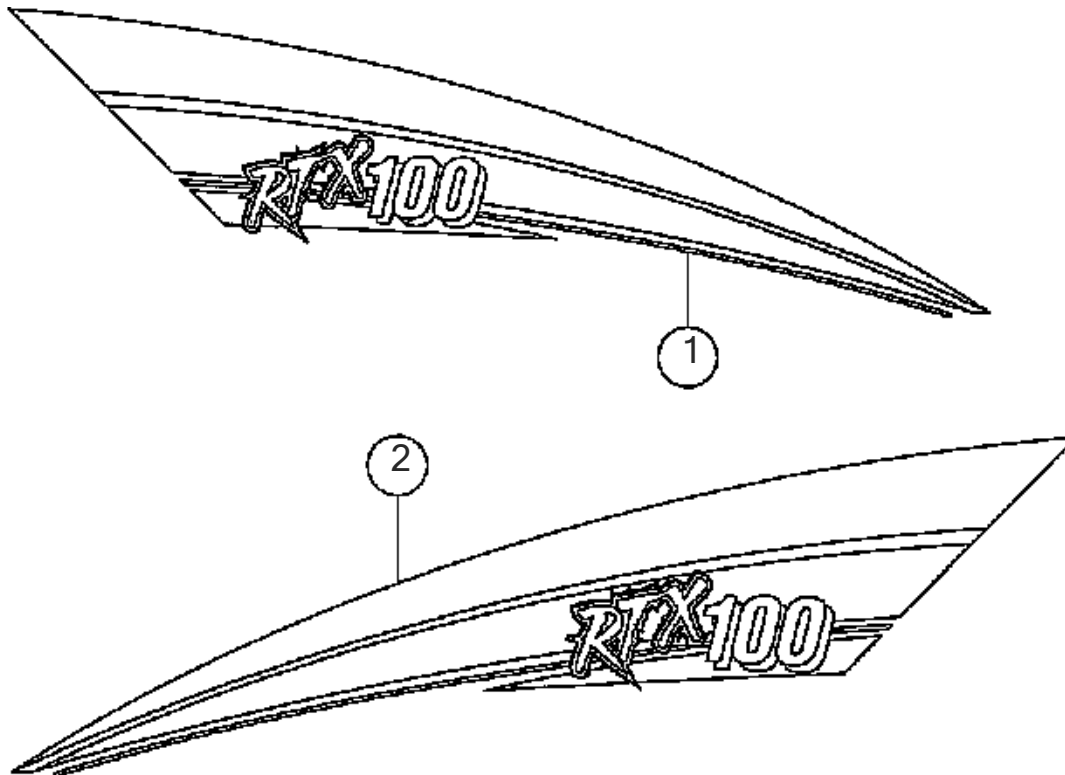
## DT Series Tools

## Fig 01-04

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	286553001	TOOL - DEUTSCH CRIMPING (FIELD)	A/R	
2	603961001	PLIERS-DEUTSCH CRIMPING	A/R	
3	905102001	TOOL-CONTACT REMOVAL	A/R	
4	905102001	TOOL-CONTACT REMOVAL	A/R	
4	(276892001)	TOOL - 16/18 GA. EXTRACTOR (BLUE)	A/R	
	276893001	TOOL - 20/24 GA EXTRACTOR - RED	A/R	

Decals- Cosmetic/Standard

Fig 02-01



Notice • Aviso • Hinweis • Avis • Avviso

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**AVIS AU PROPRIÉTAIRE** - Vous êtes invité à aviser Vermeer Corporation lorsque vous venez de faire l'achat d'une machine Vermeer d'occasion. Veuillez aviser le service des données clients (Customer Data Department) par téléphone : 800-828-0051 ou 841-828-3141 ; par courriel : [customerdata@vermeer.com](mailto:customerdata@vermeer.com) ; sur internet : [www.vermeer.com](http://www.vermeer.com) ou [www.vermeerg.com](http://www.vermeerg.com) ; ou par lettre : Customer Data Dept., Vermeer Corporation, PO Box 200, Pella IA 50219 E.-U. Sur demande, un propriétaire de machine Vermeer d'occasion recevra un jeu de manuels gratuits : manuel d'utilisation, manuel d'entretien et manuel de pièces détachées.

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2326940

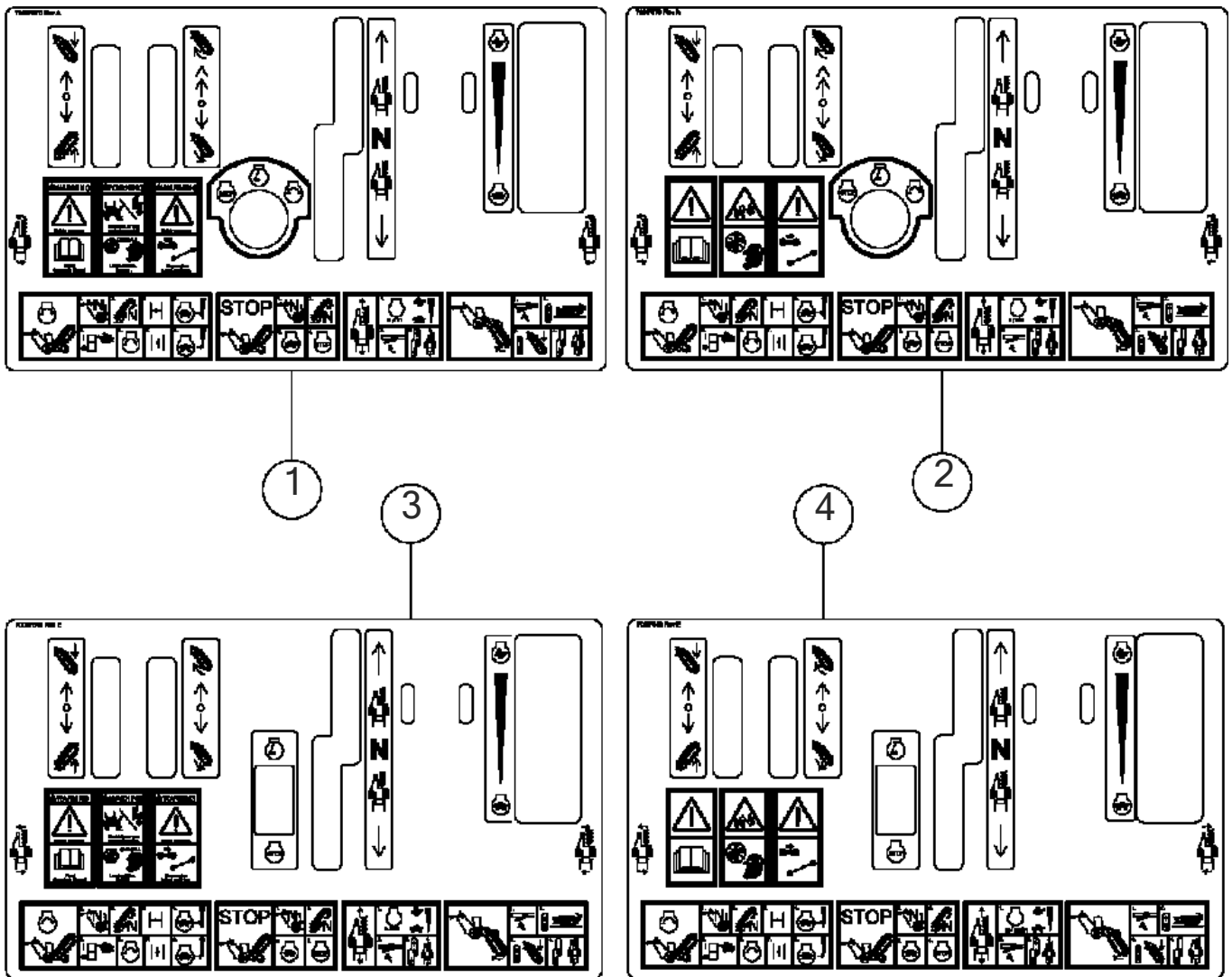
3

**Decals- Cosmetic/Standard**  
**Fig 02-01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	7000D939	DECAL - RTX100 LEFT SIDE STRIPE	1	
2	7000D940	DECAL - RTX100 RIGHT SIDE STRIPE	1	
3	2326940	DECAL-NOTICE TO OWNERS	1	

Decals- Control

Fig 02-02





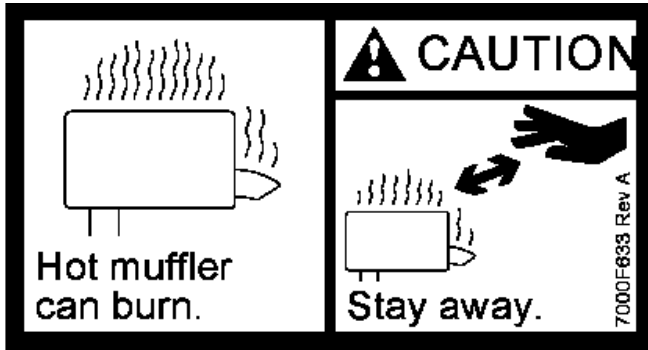
## Decals- Control

## Fig 02-02

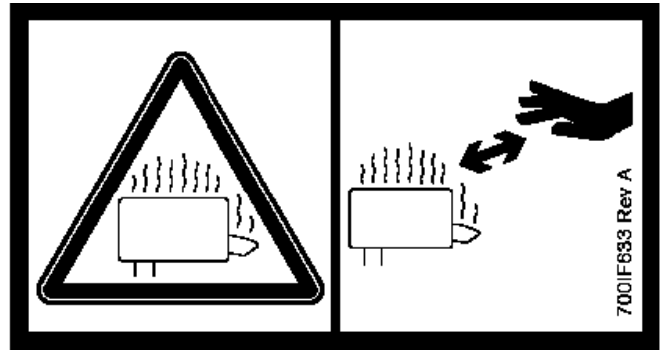
REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	7000F670	DECAL CONTROL PANEL	1	Domestic
2	700IF670	DECAL-CONTROL PANEL	1	International
3	7000F543	DECAL CONTROL PANEL	1	Domestic
4	700IF543	DECAL CONTROL PANEL	1	International

Decals- Warning

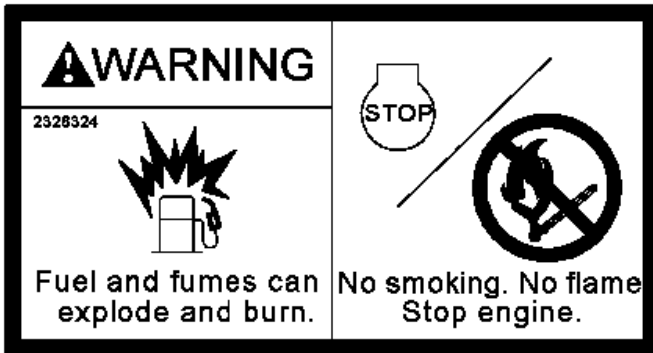
Fig 02-03



1

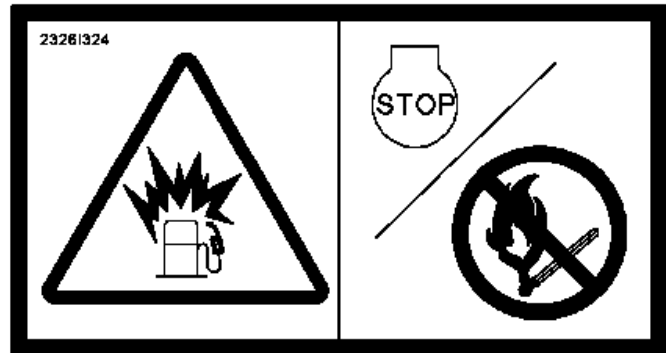


2



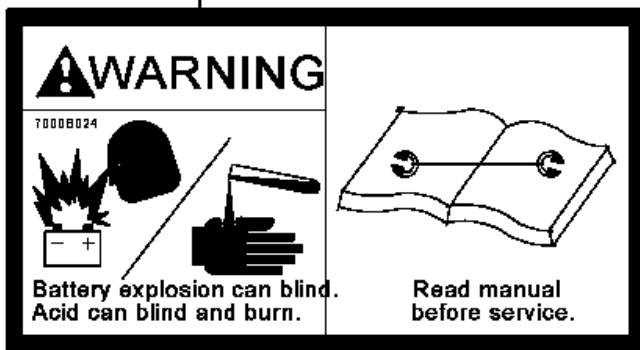
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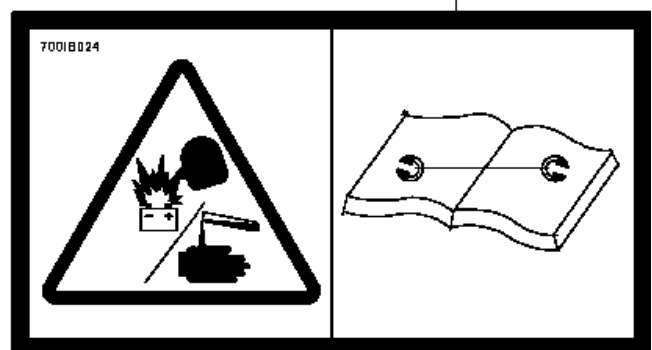


4

6



5



**Decals- Warning**  
**Fig 02-03**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	7000F633	DECAL - CAUTION HOT, MUFFLER CAN BURN	1	Domestic
2	700IF633	DECAL-CAUTION, HOT MUFFLER CAN BURN	1	International
3	2326324	DECAL-WARNING/REFUEL	1	Domestic
4	2326I324	DECAL - WARNING EXPLOSION	1	International
5	7000B024	DECAL - WARNING	1	Domestic
6	700IB024	DECAL - WARNING	1	International
7	7000B111	DECAL-DANGER	1	Domestic
8	700IB111	DECAL - DANGER	1	International

Decals- Warning

Fig 02-04

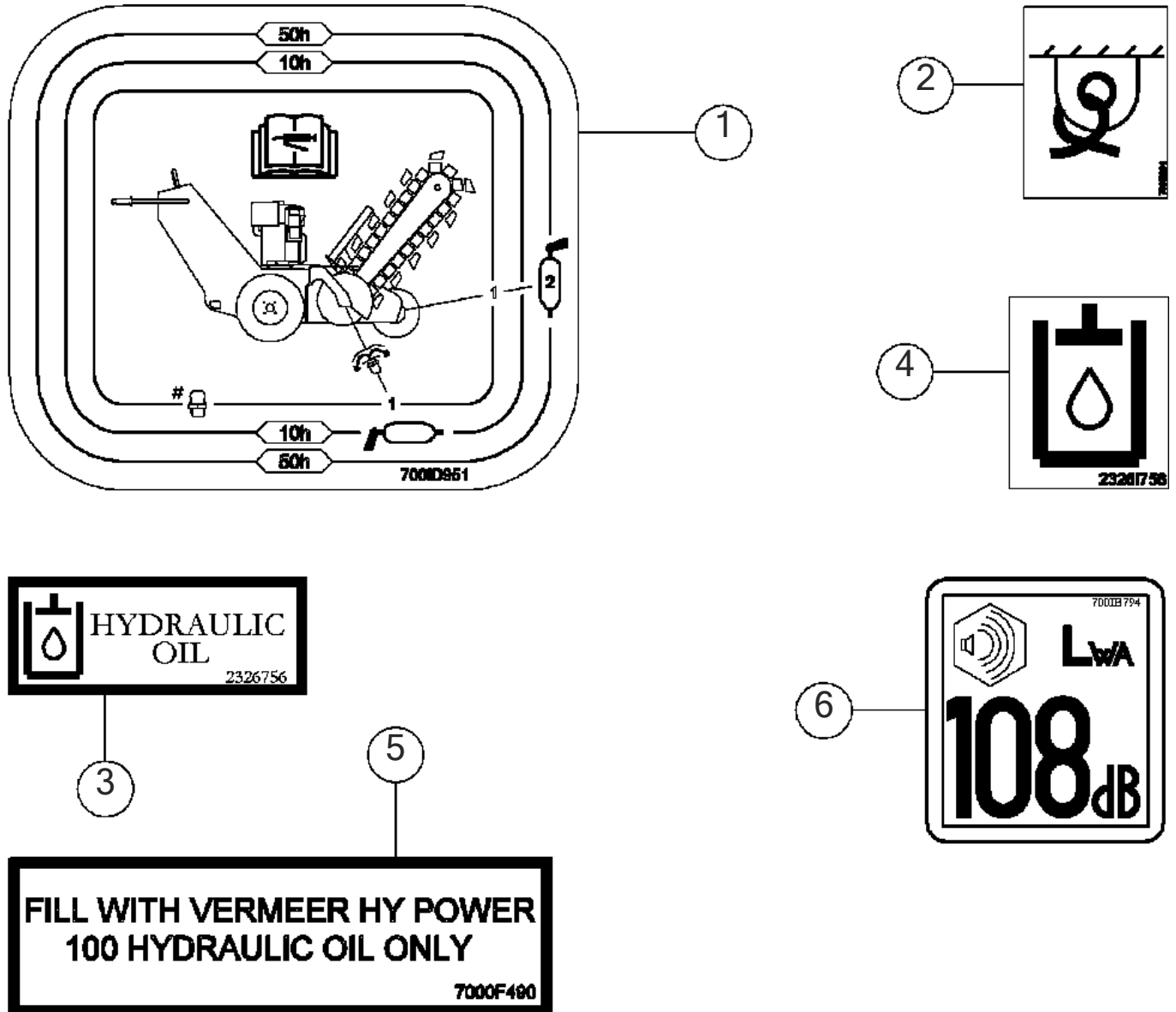


## Decals- Warning

## Fig 02-04

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	7000B111	DECAL-DANGER	1	Domestic
2	700IB111	DECAL - DANGER	1	International

Decals- Miscellaneous  
Fig 02-04X01

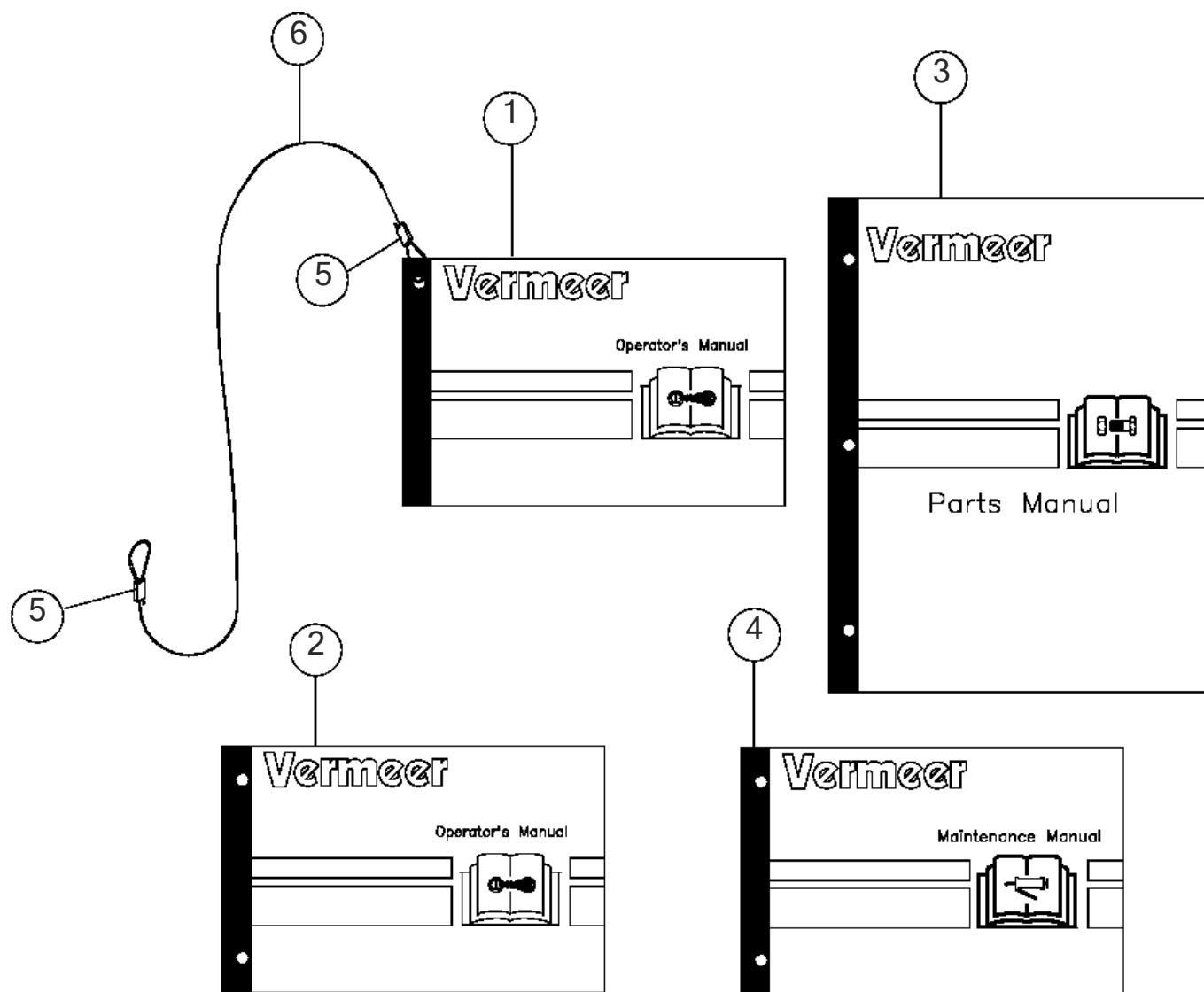


**Decals- Miscellaneous**  
**Fig 02-04X01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	700ID951	DECAL - GREASE CHART - RTX100	1	
2	7000I834	DECAL - TIE DOWN POINT	3	
3	2326756	DECAL-HYDRAULIC OIL	1	Domestic
4	2326I756	DECAL-HYDRAULIC FLUID	1	International
5	7000F490	DECAL-VERMEER HY POWER 100	1	
6	700IB794	DECAL- SOUND POWER LEVEL (108)	1	

RESOURCE LIBRARY

Fig 02-05





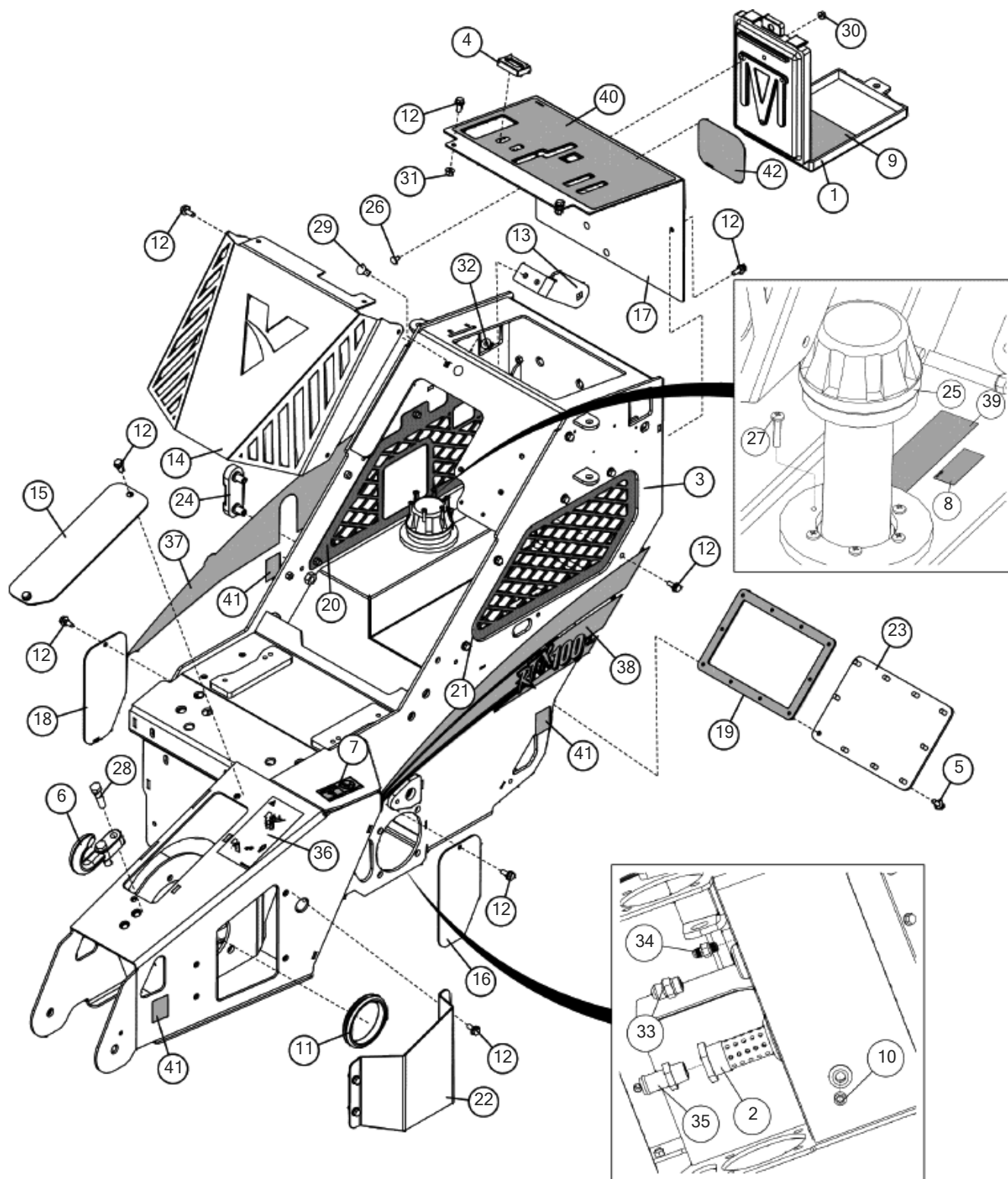
**RESOURCE LIBRARY**

**Fig 02-05**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296331581	MANUAL ASSY - RTX100 CABLED OM o1.00	1	Includes Ref. No's 5 & 6
2	105400BN3	OM - RTX100 (EN) o2.00	1	
3	105400ZVL	PM-RTX100 TRENCHER E 2.00	1	
4	105400BN5	MM - RTX100 (EN) m2.00	1	
5	142423001	CRIMP-CABLE (FOR.068DIA.CABLE)	2	
6	142954001	CABLE-.068DIA.NYLON CT.-36.00	1	

Mainframe-Electric Start (SN 1573-)

Fig 03-01R02



## Mainframe-Electric Start (SN 1573-)

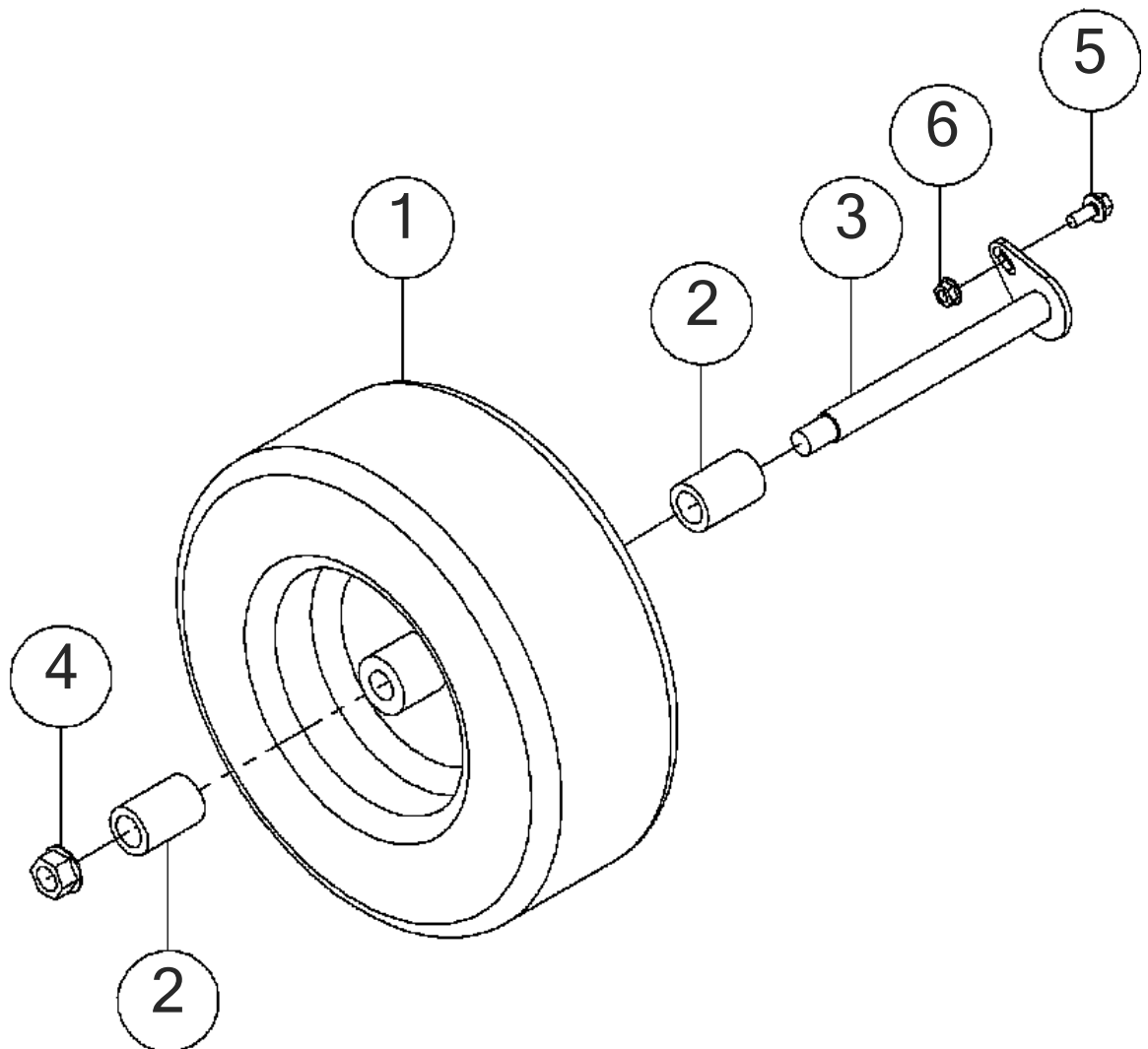
## Fig 03-01R02

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	142410001	CASE - 6" X 9" X 1" OPERATOR MANUAL	1	
2	157931001	STRAINER - PLATED TFS-1015-0-0	1	
3	163713982	WELDMENT - MAINFRAME PED TRENCHER	1	
4	163733289	METER-HOUR	1	
5	180007635	BOLT-5/16-18X3/4 FLANGE WHIZ (PFCN)	10	
6	224755001	HOOK-TOWING (BLACK)	1	
7	2326324	DECAL-WARNING/REFUEL (DOMESTIC)	1	
8	2326756	DECAL-HYDRAULIC OIL	1	
9	2326940	DECAL-NOTICE TO OWNERS	1	
10	283523001	PLUG - 3/8 NPT HEX MAGNETIC	1	
11	296297147	GROMMET 1/4 X 4.0 GROOVE DIA.	1	
12	296300762	SCREW HFS .31 - 18 X .75 GR8 YZ	24	
13	296304383	PLATE - CONTROLLER FRICTION MOUNT RTX100	1	
14	296304412	PLATE - HOOD PANEL RTX100	1	
15	296304416	PLATE - TRENCHER BOOM TOP ACCESS RTX100	1	
16	296304418	PLATE - MAINFRAME ACCESS COVER RTX100	1	
17	296312991	PLATE - CONTROL PANEL COVER RTX100	1	
18	296330258	PLATE - MAINFRAME ACCESS COVER	1	
19	296344852	GASKET HYDRAULIC TANK	1	
20	296359009	WELDMENT - RH SIDE PANEL RTX100	1	
21	296359010	WELDMENT - LH SIDE PANEL RTX100	1	
22	296359105	PLATE - TRENCHER MOTOR SHIELD	1	
23	296369888	CLEANOUT COVER - HYDRAULIC TANK	1	
24	296399031	INDICATOR - FLUID LEVEL W/TEMP - LV10	1	
25	296399032	BREATHER CAP - VENTED - LOCKABLE	1	
26	373004	BOLT - 1/4-20X1/2 GD5 CARRIAGE	3	
27	504544001	MACH SCREW-10-32 X 1 RH PLT	6	
28	510304020	SCREW-HCS-.50-13X2.00-GR5-YZ	2	
29	510308110	BOLT-CARG-.38-16X1.00-GR5-YZ	2	
30	510313401	NUT-HEXFLGL-.25-20-GR2-YZ	3	
31	510314401	NUT-HEXFLGL-.31-18-GR2-YZ	2	
32	510315411	NUT-HEXFLGL-.38-16-GR2-YZ	2	
33	53827001	FITTING- 10M O-RING X 10M JIC ST.	1	
34	65565001	FITTING - 6M O-RING X 6M JIC ST.	1	
35	68633001	FITTING-1"M NPTX1"BEAD HOSE INSERT STR	1	
36	7000B111	DECAL-DANGER	1	
37	7000D939	DECAL - RTX100 LEFT SIDE STRIPE	1	
38	7000D940	DECAL - RTX100 RIGHT SIDE STRIPE	1	
39	7000F490	DECAL-VERMEER HY POWER 100	1	
40	7000F543	DECAL CONTROL PANEL	1	
41	7000I834	DECAL - TIE DOWN POINT	3	
42	7000ID951	DECAL - GREASE CHART - RTX100	1	

OUTRIGGER TIRE

Fig 03-02

Illustration No. 296304402



## OUTRIGGER TIRE

## Fig 03-02

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296304470	WHEEL ASSY-13X5.00-6 SEMI PNEUMATIC	1	
2	1088011	TUBE-1 1/4"ODX13/16"ID-1 7/8"	2	
3	296304430	PIN - TAILWHEEL	1	
4	510352513	NUT-SMFLGTL-.63-11-G-YZ	1	
5	510345210	SCREW-FLGWZ-.31-18X1.00-GR2-YZ	1	
6	510352507	NUT - SMFLGTL - .31- 18 - F - YZ	1	

Mainframe-Recoil Start (SN 1573-)

Fig 03-03R02

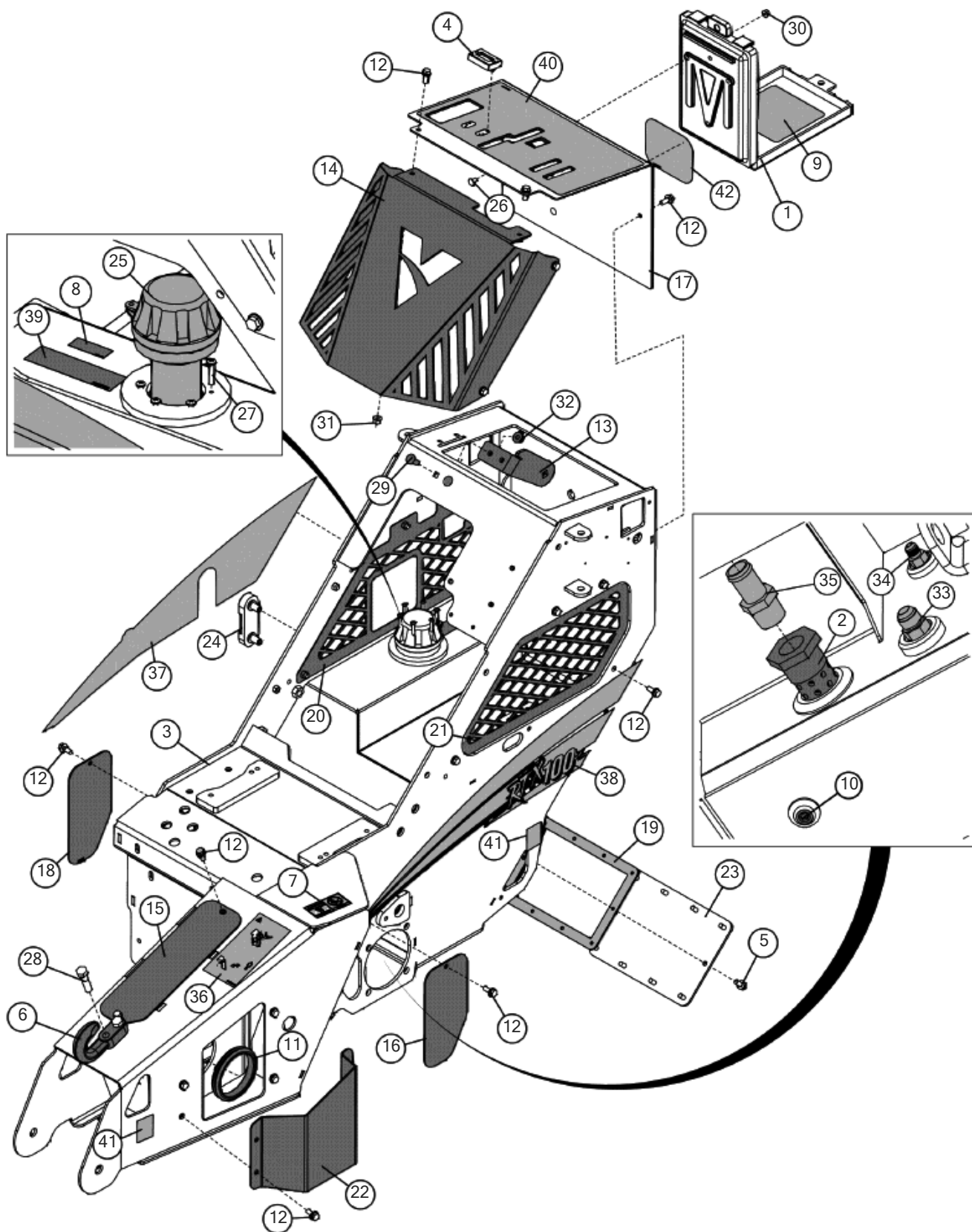


Illustration No. 296359008- Not For Ordering

## Mainframe-Recoil Start (SN 1573-)

## Fig 03-03R02

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	142410001	CASE - 6" X 9" X 1" OPERATOR MANUAL	1	
2	157931001	STRAINER - PLATED TFS-1015-0-0	1	
3	163713982	WELDMENT - MAINFRAME PED TRENCHER	1	
4	163733289	METER-HOUR	1	
5	180007635	BOLT-5/16-18X3/4 FLANGE WHIZ (PFCN)	10	
6	224755001	HOOK-TOWING (BLACK)	1	
7	2326324	DECAL-WARNING/REFUEL (DOMESTIC)	1	
8	2326756	DECAL-HYDRAULIC OIL	1	
9	2326940	DECAL-NOTICE TO OWNERS	1	
10	283523001	PLUG - 3/8 NPT HEX MAGNETIC	1	
11	296297147	GROMMET 1/4 X 4.0 GROOVE DIA.	1	
12	296300762	SCREW HFS .31 - 18 X .75 GR8 YZ	24	
13	296304383	PLATE - CONTROLLER FRICTION MOUNT RTX100	1	
14	296304412	PLATE - HOOD PANEL RTX100	1	
15	296304416	PLATE - TRENCHER BOOM TOP ACCESS RTX100	1	
16	296304418	PLATE - MAINFRAME ACCESS COVER RTX100	1	
17	296312991	PLATE - CONTROL PANEL COVER RTX100	1	
18	296330258	PLATE - MAINFRAME ACCESS COVER	1	
19	296344852	GASKET HYDRAULIC TANK	1	
20	296359009	WELDMENT - RH SIDE PANEL RTX100	1	
21	296359010	WELDMENT - LH SIDE PANEL RTX100	1	
22	296359105	PLATE - TRENCHER MOTOR SHIELD	1	
23	296369888	CLEANOUT COVER - HYDRAULIC TANK	1	
24	296399031	INDICATOR - FLUID LEVEL W/TEMP - LV10	1	
25	296399032	BREATHER CAP - VENTED - LOCKABLE	1	
26	373004	BOLT - 1/4-20X1/2 GD5 CARRIAGE	3	
27	504544001	MACH SCREW-10-32 X 1 RH PLT	6	
28	510304020	SCREW-HCS-.50-13X2.00-GR5-YZ	2	
29	510308110	BOLT-CARG-.38-16X1.00-GR5-YZ	2	
30	510313401	NUT-HEXFLGL-.25-20-GR2-YZ	3	
31	510314401	NUT-HEXFLGL-.31-18-GR2-YZ	2	
32	510315411	NUT-HEXFLGL-.38-16-GR2-YZ	2	
33	53827001	FITTING- 10M O-RING X 10M JIC ST.	1	
34	65565001	FITTING - 6M O-RING X 6M JIC ST.	1	
35	68633001	FITTING-1"M NPTX1"BEAD HOSE INSERT STR	1	
36	7000B111	DECAL-DANGER	1	
37	7000D939	DECAL - RTX100 LEFT SIDE STRIPE	1	
38	7000D940	DECAL - RTX100 RIGHT SIDE STRIPE	1	
39	7000F490	DECAL-VERMEER HY POWER 100	1	
40	7000F543	DECAL CONTROL PANEL	1	
41	7000I834	DECAL - TIE DOWN POINT	3	
42	7000ID951	DECAL - GREASE CHART - RTX100	1	

### Hose Clamps

Fig 03-04

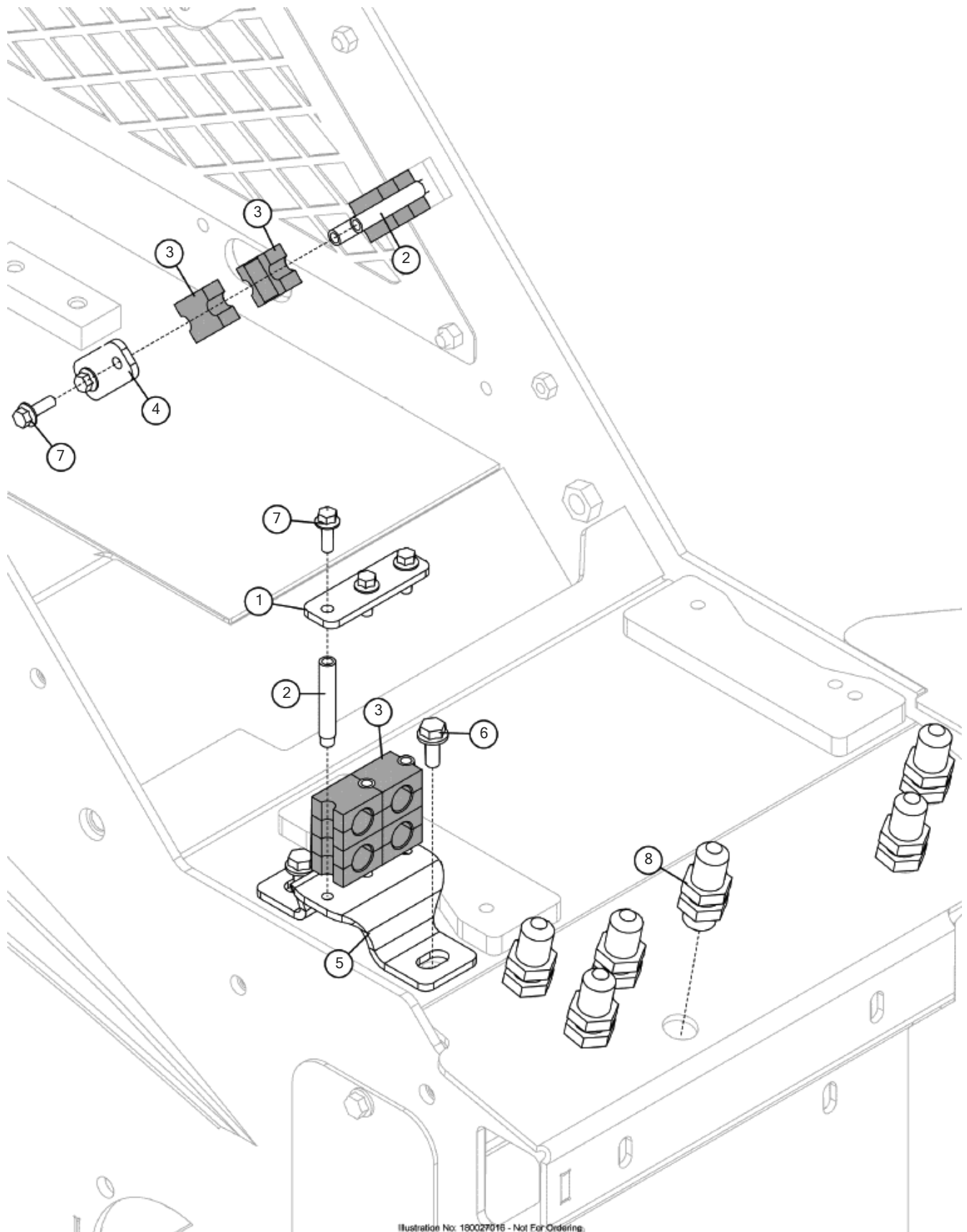


Illustration No. 180027016 - Not For Ordering.



## Hose Clamps

## Fig 03-04

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	100821001	CLAMP-HOSE	1	
2	101510009	POST-CLAMP SERIES 3 1/4-20	5	
3	101511033	CLAMP-CUSH.HALF#3 .625 DIA.	12	
4	155442001	BAR - SINGLE #3 HOSE CLAMP	1	
5	180027001	PLATE-HOSE OFFSET	1	
6	296300762	SCREW HFS .31 - 18 X .75 GR8 YZ	2	
7	4473006	BOLT-1/4-20X3/4 FLG WHIZ	5	
8	60927001	FITTING-8 JIC BULKHEAD ST.UNION	6	

Boomhead & Auger (SN 1794-)

Fig 04-01R01

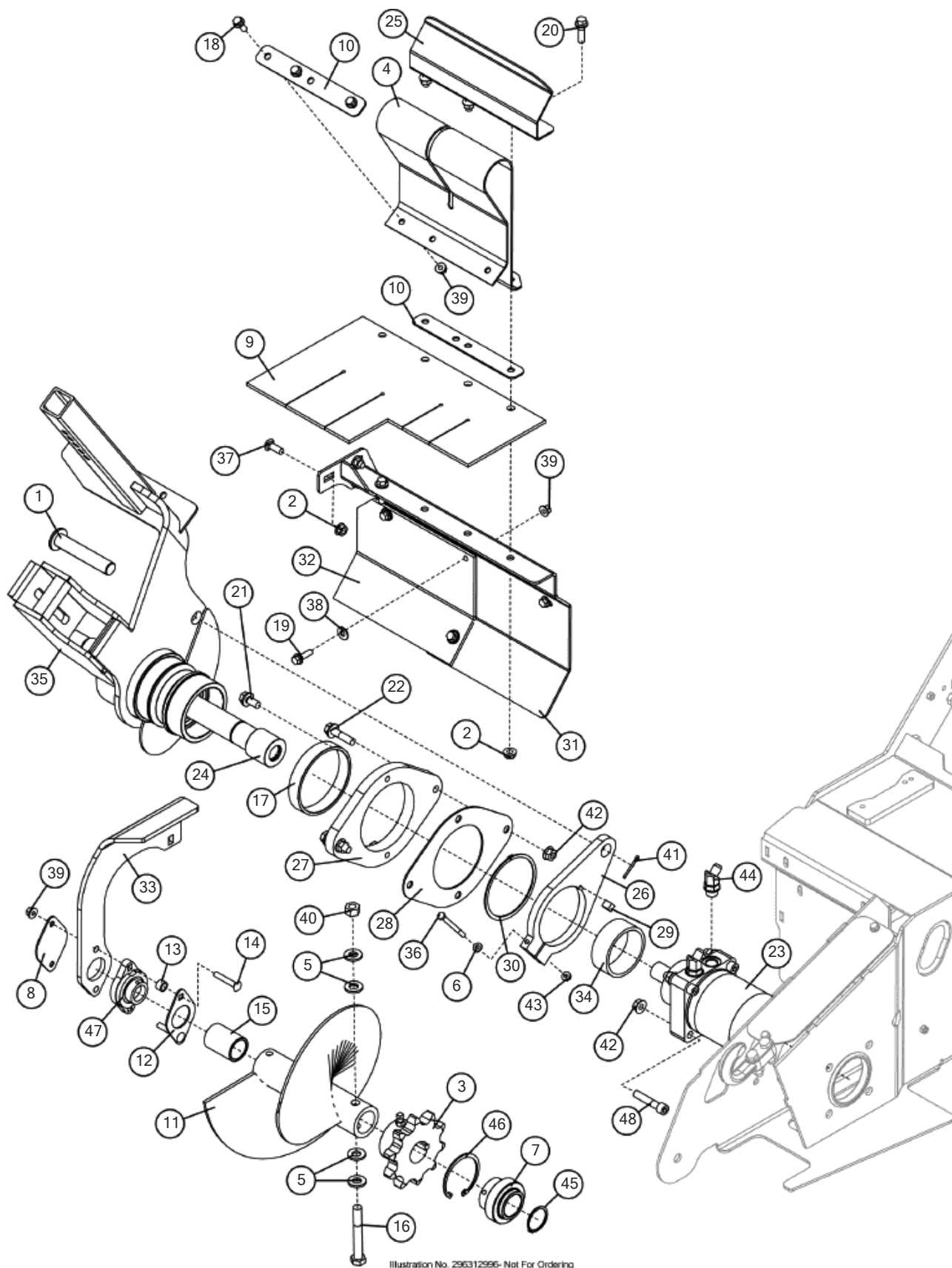


Illustration No. 296312996-Not For Ordering

## Boomhead &amp; Auger (SN 1794-)

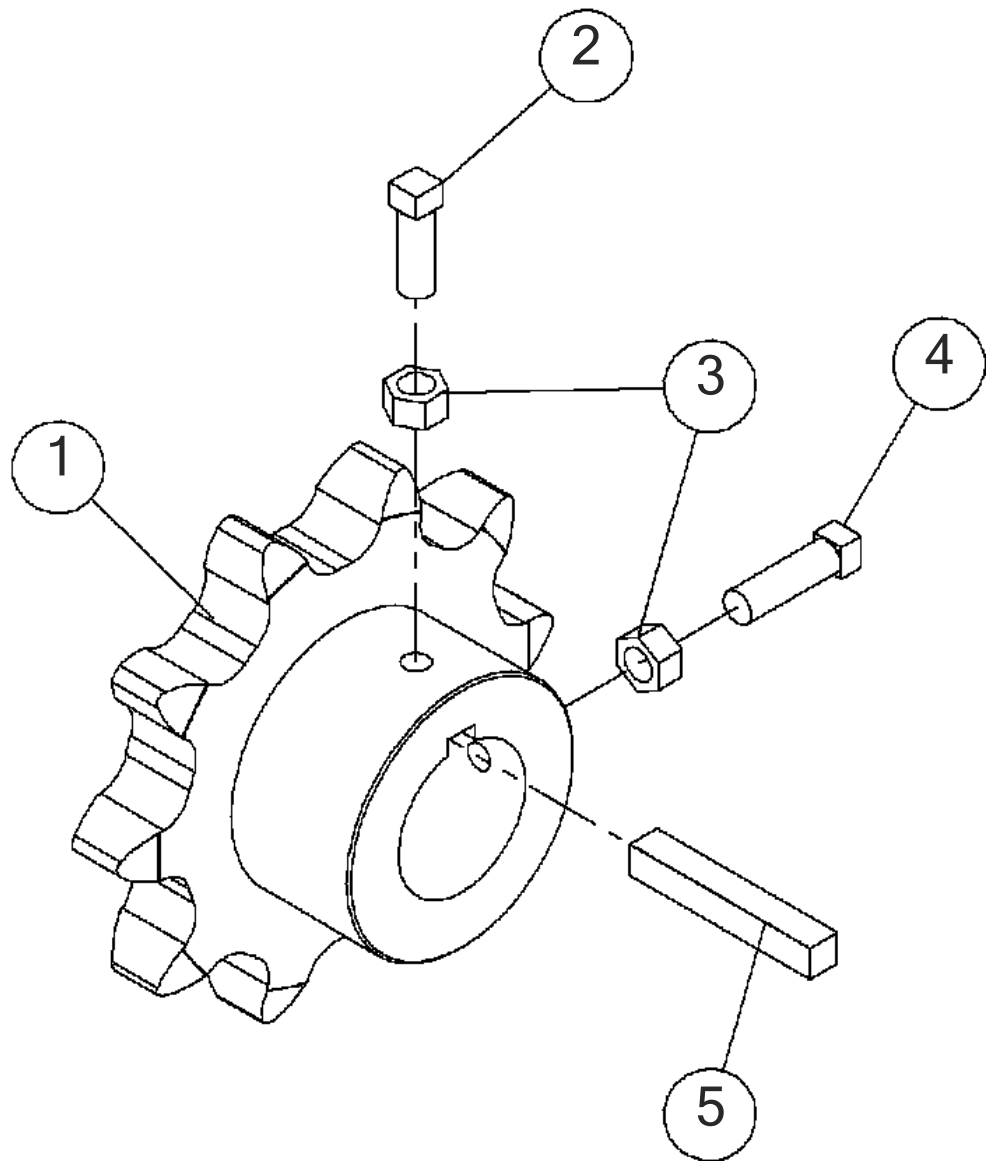
## Fig 04-01R01

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	1795025	PIN - CYLINDER, 1" X 5" - YZ	1	
2	1809015	NUT-7/16-14 SM.FLNGE.T.L.	7	
3	205366003	SPROCKET-DRIVE	1	Breakdown Fig. 4-1t01
4	220482001	GUARD-RUBBER	1	
5	235715001	WASHER-FLATSTRL-.63-.66 X 1.31-.15-YZ-A325	4	
6	252252001	WASHER-5/16 SAE FLAT ZP	1	
7	255477001	BRG-1 3/4 CYLINDRICAL W/COL.	1	
8	258467001	PLATE - BEARING CAP	1	
9	260718001	FLAP-RUBBER DIRT GUARD	1	
10	260730001	PLATE - HOLD DOWN RT100	2	
11	263891001	AUGER WELDMENT	1	
12	266682001	PLATE - SEAL PROTECTOR	1	
13	266683001	TUBE - SPACER	2	
14	266686001	BOLT - CARG. -.38-16 X 2.25 -GR5-CZ	2	
15	271752001	SLEEVE - AUGER TUBE	1	
16	287009001	BOLT - 5/8-11 X 4-1/2 GR8 HEX YZN PLTD	1	
17	296298078	BUSHING-COMPOSITE 5.50D X 5 X 1	1	
18	296300772	SCREW HFS .38-16X1.00 GR8 YZ	8	
19	296300773	SCREW-HFS-.38-16X1.25-GR8-YZ	1	
20	296300782	SCREW-HFS-.44-14X1.50-GR8- YZ	4	
21	296300788	SCREW HFS .50 13 X 1.00 GR8 YZ	2	
22	296300792	SCREW-HFS-.50-13X2.00-GR8-YZ	2	
23	296304309	MOTOR-130CC HYDRAULIC	1	
24	296304336	WELDMENT - DIGGERSHAFT	1	
25	296304344	PLATE - SHIELD SUPPORT	1	
26	296304355	PLATE - BOOMHEAD CYLINDER MOUNT	1	
27	296304408	PLATE - PIVOT BUSHING MOUNT	1	
28	296304415	PLATE - BUSHING BACKING	1	
29	296304429	KEY .50 X .50 X .625	1	
30	296304434	SNAP RING - 5100-500	1	
31	296312966	WELDMENT-OUTBOARD BEARING SUPPORT	1	
32	296312967	RUBBER-FLAP AUGER CHUTE	1	
33	296330282	PLATE - OUTBOARD BEARING MOUNT	1	
34	296359054	BUSHING-COMPOSITE 3.50IDX1.50	1	
35	296359055	WELDMENT - RTX100 BOOMHEAD	1	
36	351034	BOLT-5/16-18X3 1/2 HEXHD GR.5	1	
37	376012	7/16-14X1 1/4 GR#5 CARRIAGE BT	3	
38	485007	WASHER-FLATSTD-.38-.44X1.00-.08-CZ	3	
39	510315411	NUT-HEXFLGL-.38-16-GR2-YZ	11	
40	430001	NUT-5/8 NC SLTL GRADE B ZINC	1	
40	(510319501)	NUT-TLHEX-.63-11-B-YZ	1	
41	510338817	COTTER PIN - 5/32" X 1 1/2" YZ	1	
42	510352501	NUT-SMFLGCTRLOCK - .50-13-G-YZ	6	
43	510352507	NUT - SMFLGTL - .31- 18 - F - YZ	1	
44	59400001	FITTING-8M JICX10M ADJ. 45 DEG.ELBOW	2	
45	601175	SNAP RING-#5160 EXT 1 3/4" HVY	1	
46	602325	SNAP RING-INT.3.25 N5000-325	1	
47	72051001	BEARING-GVFTD-1 1/4S	1	
48	86881001	SCREW-1/2-13X2 1/2 SOC.HD CAP	4	

Breakdown- Drive Sprocket

Fig 04-01T01

Illustration No. 205366003

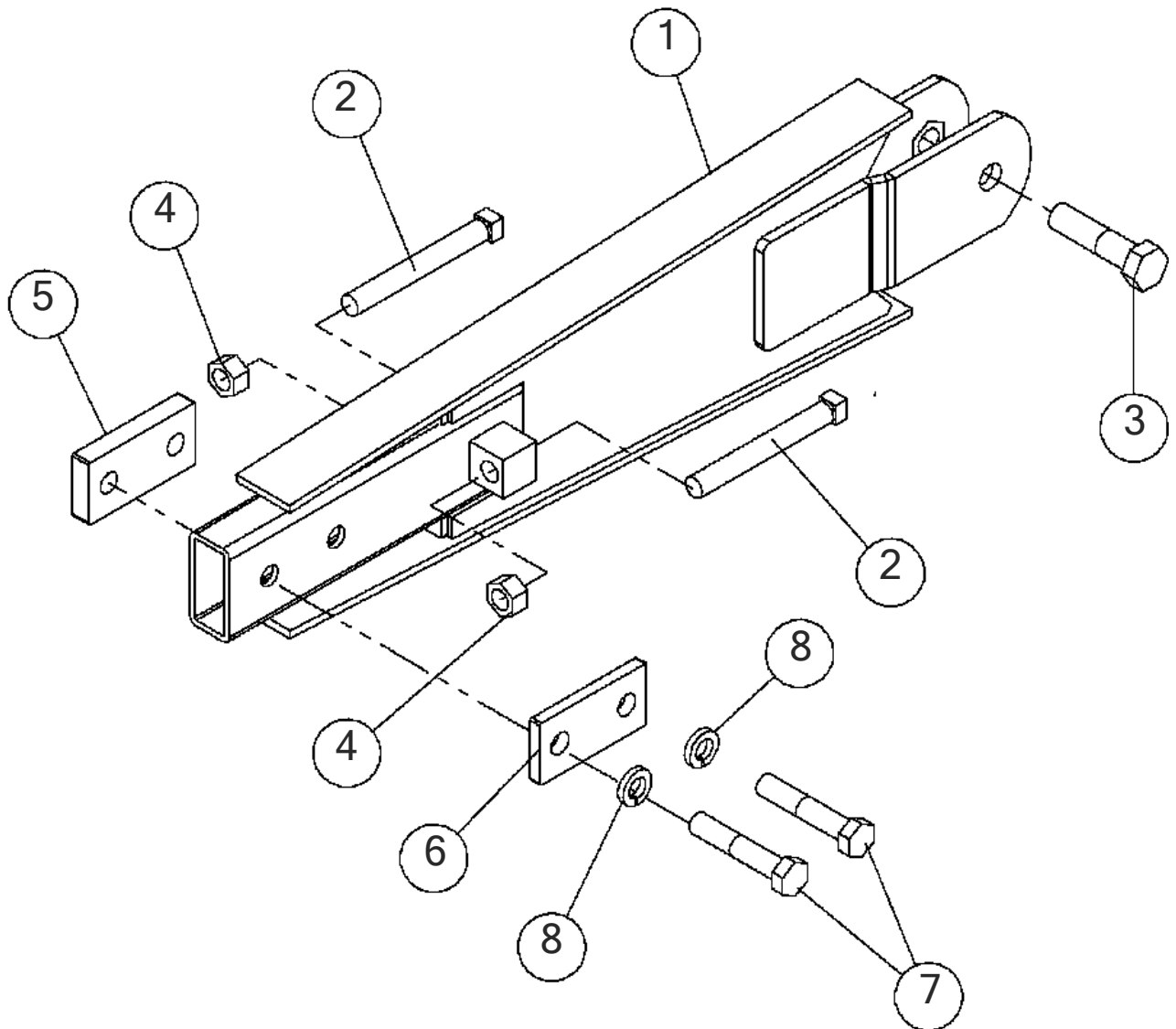


**Breakdown- Drive Sprocket  
Fig 04-01T01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	205366003	SPROCKET-DRIVE	1	
2	235320001	SCREW-SQSET-3/8-16X1-YZ-CUP	1	
3	412001	NUT-3/8 NC HEX GR2 - YZ	2	
4	240057001	SQ HSS-3/8-16X1 1/4 ZINC PLTD	1	
5	579015	HKEYS-3/8X3/8X2 1/2	1	

**BOOM-24"**  
**Fig 04-02**

Illustration No. 227526001

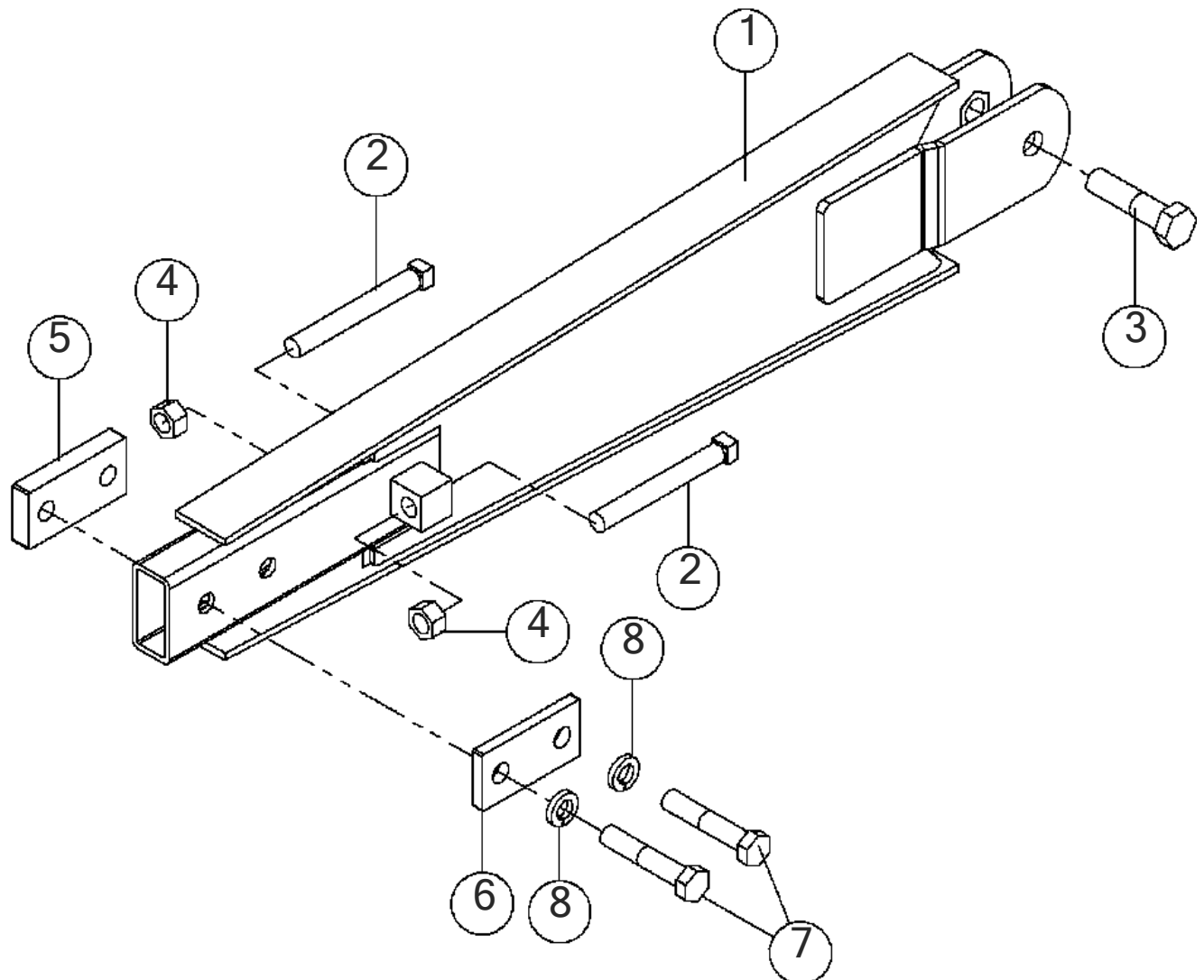


**BOOM-24"**  
**Fig 04-02**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	237345001	BOOM-24"/18" (7" E.I.)	1	
2	243773001	SCREW-51B-11 X 5 SQ. HD.PLATED	2	
3	369030	BOLT-3/4-10X3" GRADE#5 HEX	1	
4	428001	NUT-5/8 NC HEX	2	
5	220437001	BAR-BOOM BLOCK	1	
6	53579001	CLAMP-BOOM	1	
7	366032	BOLT-5/8-11X3 1/4" GRADE#5 HEX	2	
8	480015	WASHER-5/8 S/T LOCK	2	

**BOOM-30"**  
**Fig 04-03**

Illustration No. 227527001





## BOOM-30"

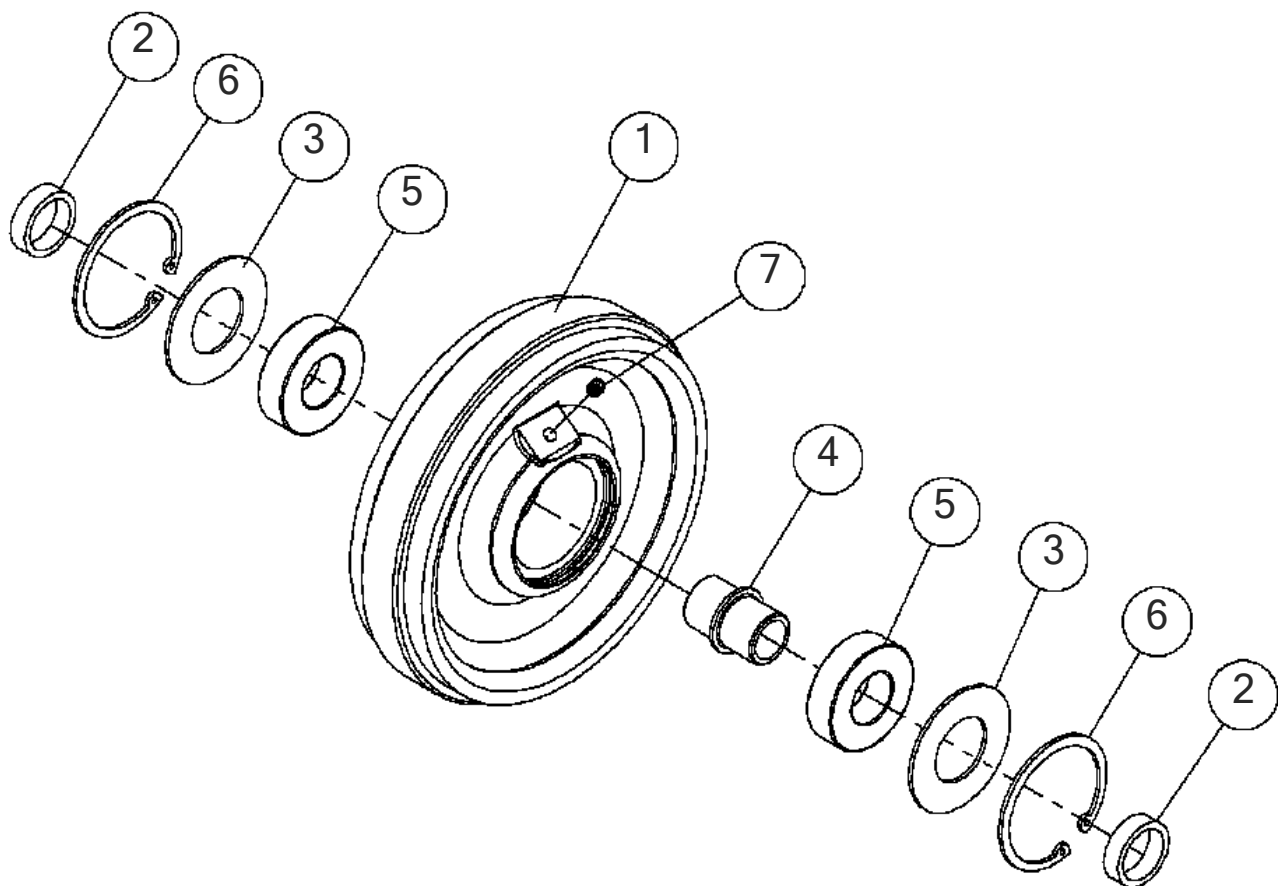
## Fig 04-03

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	237337001	BOOM-30"/24" (7" E.I.)	1	
2	243773001	SCREW-51B-11 X 5 SQ. HD.PLATED	2	
3	369030	BOLT-3/4-10X3" GRADE#5 HEX	1	
4	428001	NUT-5/8 NC HEX	2	
5	220437001	BAR-BOOM BLOCK	1	
6	53579001	CLAMP-BOOM	1	
7	366032	BOLT-5/8-11X3 1/4" GRADE#5 HEX	2	
8	480015	WASHER-5/8 S/T LOCK	2	

END IDLER-7" GREASELESS

Fig 04-04

Illustration No. 263299001



## END IDLER-7" GREASELESS

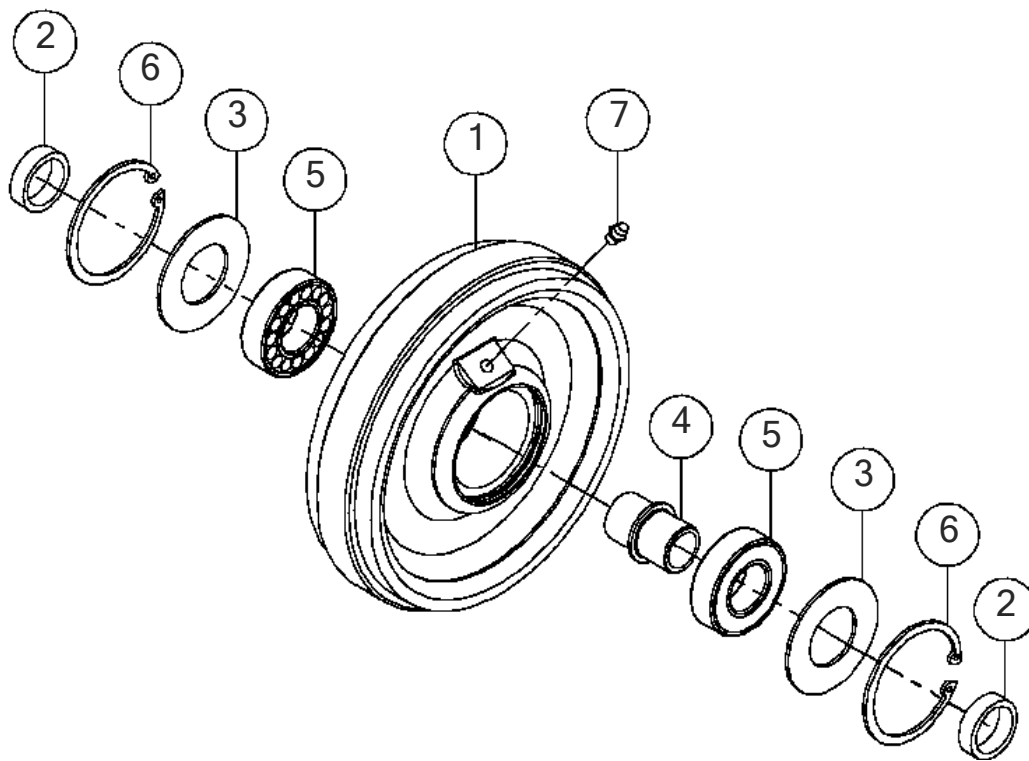
Fig 04-04

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1		END IDLER-7" CAST	1	NOT SOLD SEPARATELY
2	252291001	SPACER - END IDLER @	2	
3	260170001	WASHER - DIRT GUARD	2	
4	260171001	SPACER - END IDLER	1	
5	296291787	BRG - 6205 2RS CHINA	2	
6	502468001	SNAP RING N5000-244	2	
7	522001	SSS-1/4-28X1/4	1	
	263299001	ASSY - 7" END IDLER		(GREASELESS)

End Idler-7" Greaseable (SN 1341-)

Fig 04-05R01

Illustration No. 271776001



End Idler-7" Greaseable (SN 1341-)

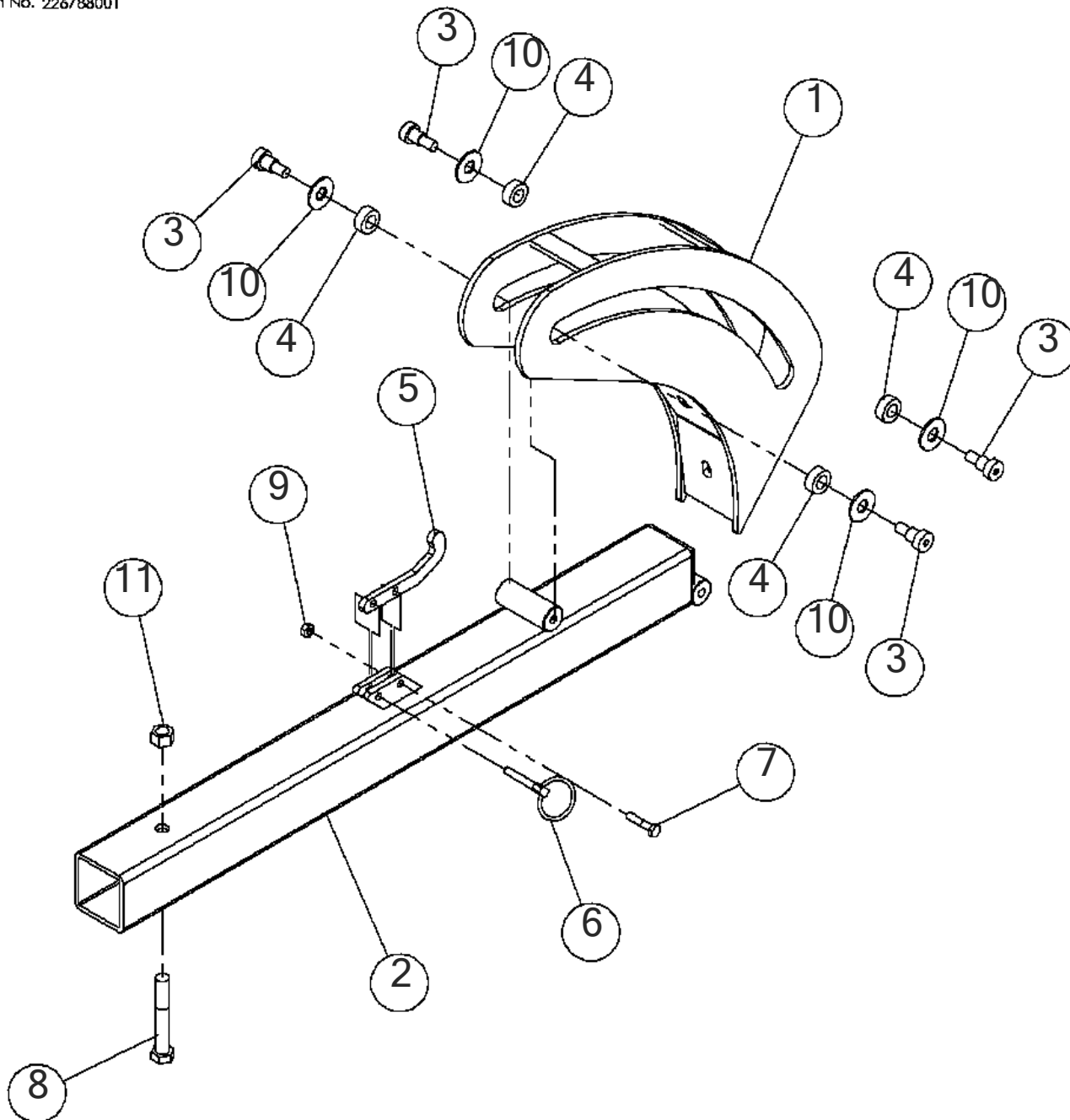
Fig 04-05R01

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1		END IDLER-7" CAST	1	Not Sold Separately
2	252291001	SPACER - END IDLER	2	
3	260170001	WASHER - DIRT GUARD	2	
4	260171001	SPACER - END IDLER	1	
5	296355445	BEARING-KOYO 6205 1RDC3 GREASEABLE BEARING BALL	2	
6	502468001	SNAP RING N5000-244	2	
7	598001	FITTING-1/4" NF ST GREASE ZERK	1	
	271776001	ASSY.7" END IDLER (GREASEABLE)	A/R	Incl. All Items In Figure

TRENCH CLEANER-24"

Fig 04-06

Illustration No. 226788001



## TRENCH CLEANER-24"

## Fig 04-06

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	206334001	SHOE-H.D.CRUMBER	1	
2	206340001	CRUMBER BRIDGE-30"/24"	1	
3	98035001	SCREW-1/2X1/2 SOCKET SHOULDER	4	
4	206337001	ROLLER @	4	
5	206382001	LATCH-CRUMBER SHOE	1	
6	1797003	PIN-QUICK LATCH 1/4"-6M DIA ZYC	1	
7	350012	1/4-20X1 1/4IN.GRADE#5HEX BOLT	1	
8	358032	BOLT-1/2-13X3 1/4 GRADE #5 HEX	1	
9	403001	NUT-1/4 NC SLTL	1	
10	485009	WASHER-7/16 FLAT	4	
11	423001	NUT-1/2 NC SLTL UTB	1	

Trench Cleaner-30"

Fig 04-07

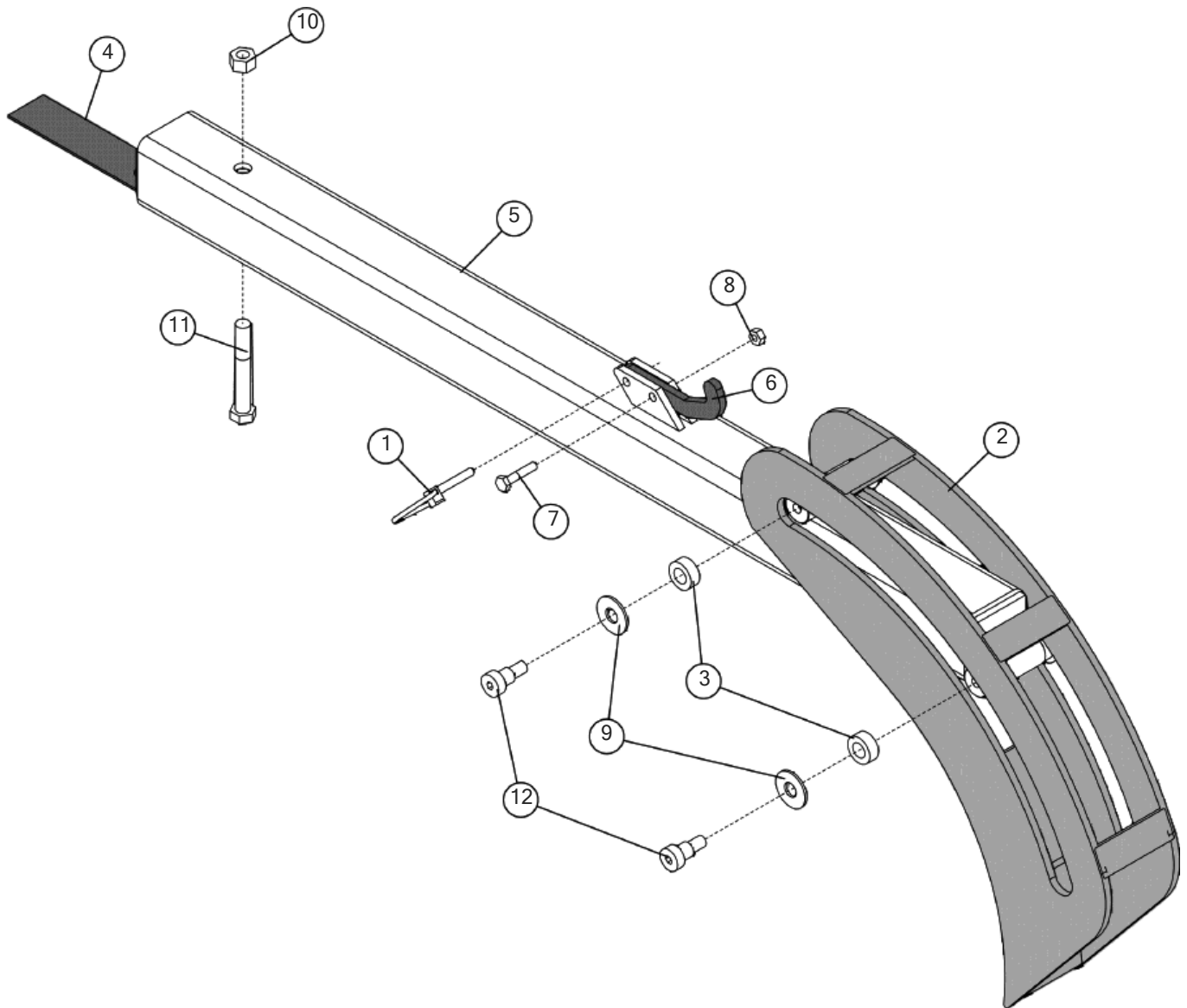


Illustration No: 226789001 - Not For Ordering



## Trench Cleaner-30"

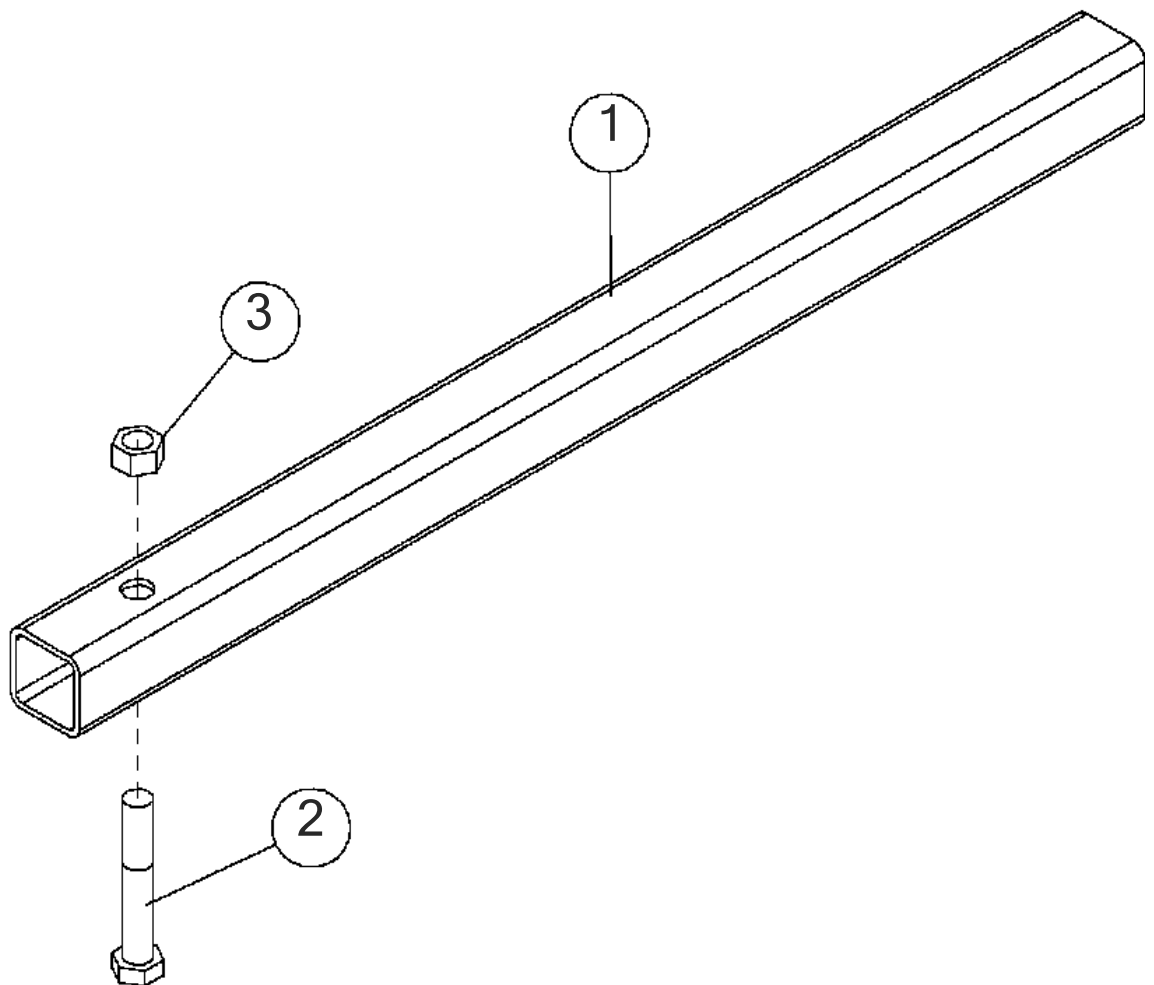
## Fig 04-07

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	1797003	PIN-QUICK LATCH 1/4"-6M DIA ZYC	1	
2	206334001	SHOE-H.D.CRUMBER	1	
3	206337001	ROLLER @	4	
4	206338001	SHIM - CRUMBER 14GA	1	
5	206343001	CRUMBER BRIDGE-36"/30"	1	
6	206382001	LATCH-CRUMBER SHOE	1	
7	350012	BOLT - 1/4-20X1 1/4IN.GRADE#5HEX	1	
8	403001	NUT-1/4 NC SLTL	1	
9	485009	WASHER-7/16 FLAT	4	
10	506044012	NUT-HEX TOPLOCK,M12 -1.75,YZ,D980V	1	
11	507407080	SCREW-HCS,M12-1.75X80,10.9,YZ,ISO4017,PT	1	
12	98035001	SCREW-1/2X1/2 SOCKET SHOULDER	4	

RESTRAINT BAR-24"

Fig 04-08

Illustration No. 260741001



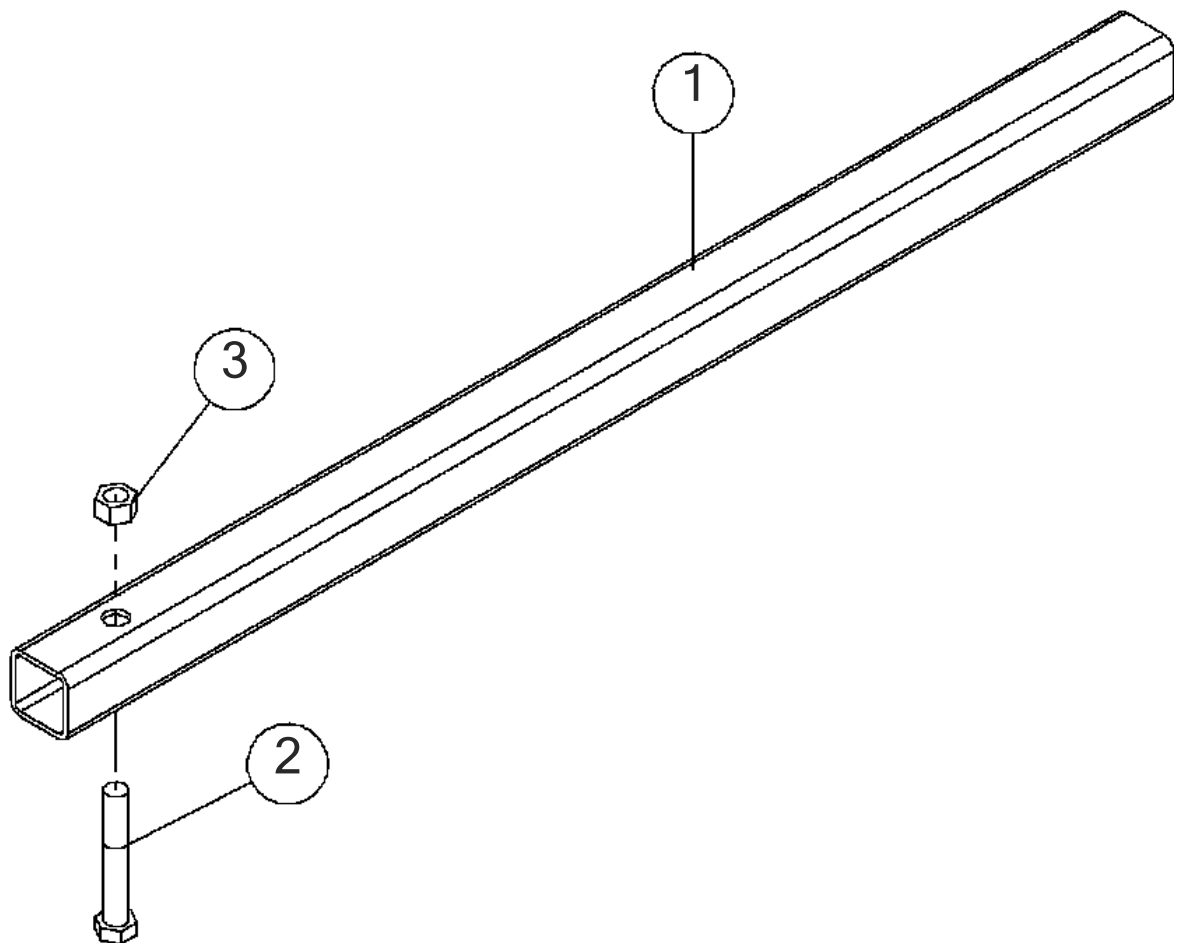
**RESTRAINT BAR-24"****Fig 04-08**

<b>REF NO.</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>	<b>QTY.</b>	<b>REMARKS</b>
1	220453001	TUBE-24" RESTRAINT	1	
2	507093075	SCREW-HCS,M12-1.75X75,8.8,YZ,ISO4014,PT	1	
3	506044012	NUT-HEX TOPLOCK,M12 -1.75,YZ,D980V	1	

RESTRAINT BAR-30"

Fig 04-09

Illustration No. 260742001



## RESTRAINT BAR-30"

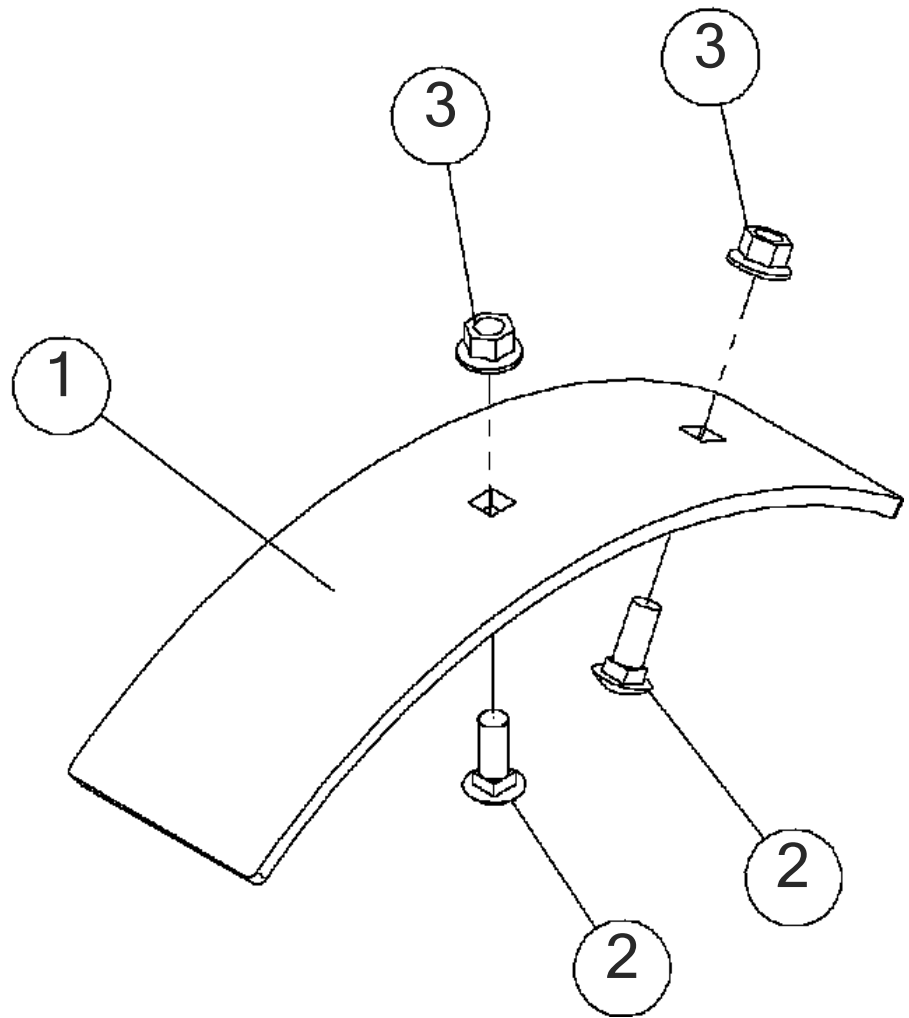
## Fig 04-09

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	220393001	TUBE-30" RESTRAINT	1	
2	507093075	SCREW-HCS,M12-1.75X75,8.8,YZ,ISO4014,PT	1	
3	506044012	NUT-HEX TOPLOCK,M12 -1.75,YZ,D980V	1	

EXTENSION PLATES-4"

Fig 04-10

Illustration No. 206351001



**EXTENSION PLATES-4"**

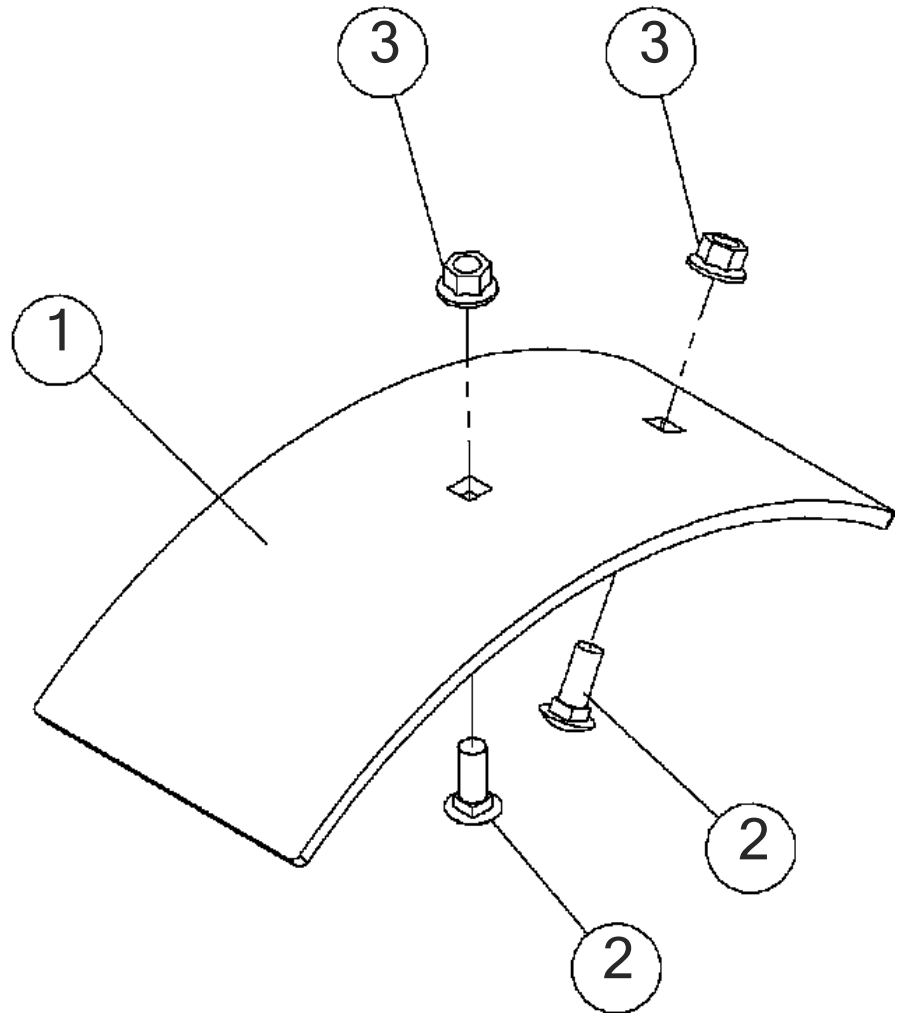
**Fig 04-10**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	206352001	PLATE-4"EXTENSION	1	
2	375010	BOLT-3/8"-16X1"GD#5 CARRIAGE	2	
3	4536001	NUT - 3/8-16 FLG. WHIZ LOCK	2	

EXTENSION PLATES-6"

Fig 04-11

Illustration No. 206353001





**EXTENSION PLATES-6"**

**Fig 04-11**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	206354001	PLATE-6"EXTENSION	1	
2	375010	BOLT-3/8"-16X1"GD#5 CARRIAGE	2	
3	4536001	NUT - 3/8-16 FLG. WHIZ LOCK	2	

Hydraulic Diagram (SN1877-)

Fig 05-01R02

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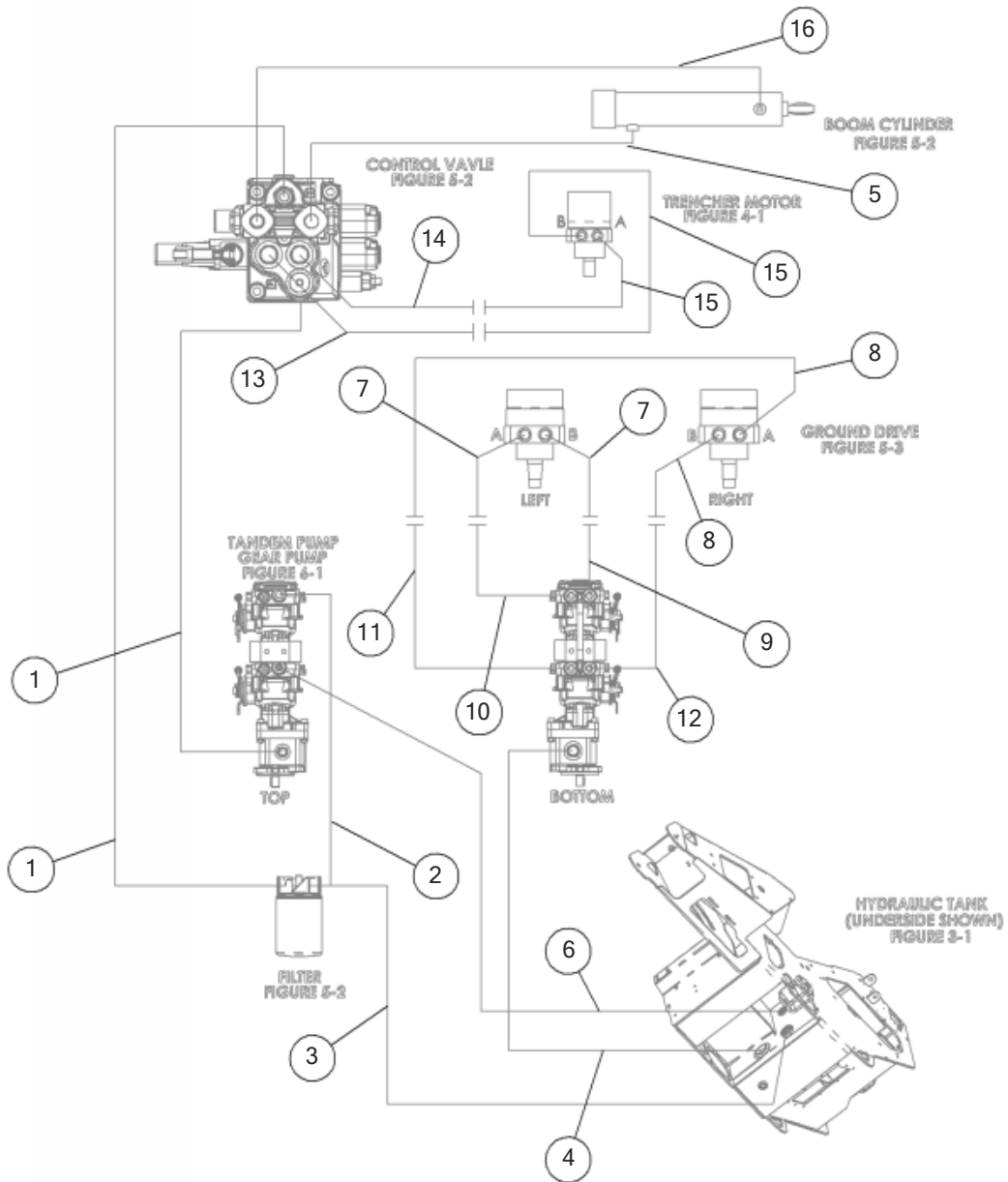


Illustration No: 180027000 - Not For Ordering

Hydraulic Diagram (SN1877-)

Fig 05-01R02

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296359077	HOSE HYD .50X10.0-8FSJ-ST/60S 3K PSI	2	
2	296304485	HOSE-HYD 3/8X9 3/4-6FSJ-ST/90	1	
3	296304490	HOSE-HYD-5/8X57.5-10FSJ-ST/45	1	
4	296355358	HOSE - 1.0 X 36 - 150PSI - 100R4	1	
5	296304492	HOSE-HYD-3/8X45.5-6FSJ-ST/90 LONG	1	
6	296330361	HOSE-HYD-3/8X26-6FSJ-ST/90	1	
7	57940235	HOSE-HYD-.38X19-6FSJ-ST/ST-3000PSI-100R2	2	
8	296290606	HOSE-HYD-.38X17.5-6FSJ-ST/90-3000PSI-100R17-M3K	2	
9	180025599	FORMED TUBE-0.50" 42.5 DIA;3K PSI	1	
10	180025540	FORMED TUBE-0.50" X 52.5 DIA;3K PSI	1	
11	180025541	FORMED TUBE-0.50" X 36.5 DIA;3K PSI	1	
12	180025542	FORMED TUBE-0.50" X 32.35 DIA;3K PSI	1	
13	180025557	FORMED TUBE - 0.50" X 48.5 DIA; 3K PSI	1	
14	180025558	FORMED TUBE-.050" X 45.4 DIA; 3D PSI	1	
15	296030001	HOSE-HYD 1/2X19 8FSJ ST/90 3000PSI	2	
16	296304489	HOSE-HYD-3/8X37 1/2-6FSJ-ST/90	1	

Control Valve/ Boom Cylinder/ Filter (SN 1132-)

Fig 05-02R01

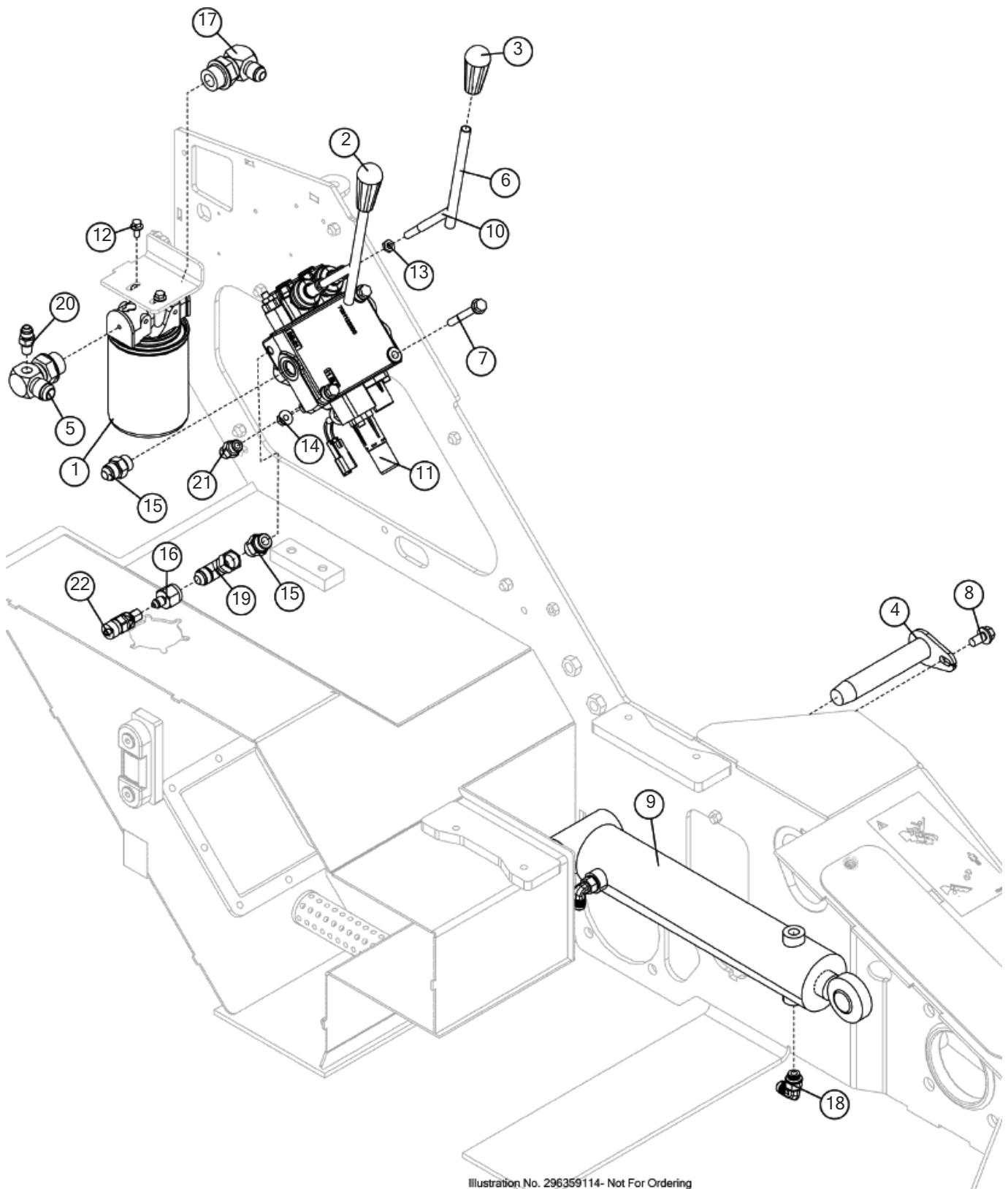


Illustration No. 296359114- Not For Ordering

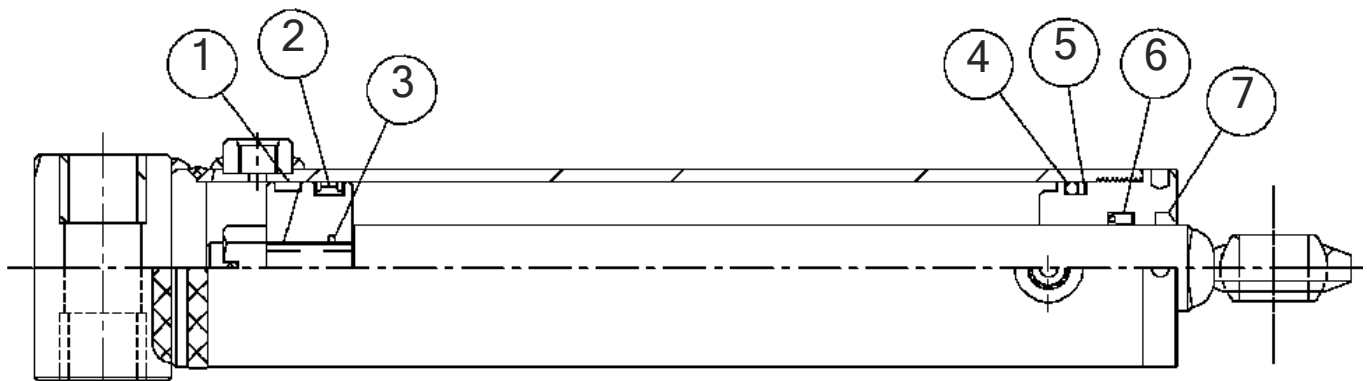
## Control Valve/ Boom Cylinder/ Filter (SN 1132-)

## Fig 05-02R01

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	163733192	FILTER-HYDRAULIC	1	
	163733191	FILTER ELEMENT-HYDRAULIC OIL	1	
2	241778001	HANDLE - VALVE CONTROL-YELLOW	1	
3	241779001	HANDLE-VALVE CONTROL - GREEN	1	
4	263850001	CYLINDER PIN	1	
5	271219001	FITTING-90-10MJ-12MORBA-P6-4FP	1	
6	279380001	HEAT SHRINK 3/8 DIA 6in LONG QTY 20	2	
7	296300769	SCREW-HFS-.31-18X2.50-GR8-YZ	3	
8	296300771	SCREW-HFS-.38-16X.75GR8-YZ	1	
9	296304389	CYLINDER-HYDRAULIC-2.5 X 1.25 X 10.0 STROKE	1	Breakdown Fig. 5-2t01
10	296312976	HANDLE-RTX100 VALVE	2	
11	296359014	VALVE-2 SPOOL TRENCHER	1	Breakdown Fig. 5-2t02
12	4473004	BOLT - 1/4-20X1/2 FLGE WHIZ	2	
13	507090008	NUT-HEX,M8-1.25,CL10,YZ,ISO4032	2	
14	510314401	NUT-HEXFLGL-.31-18-GR2-YZ	3	
15	53824001	FITTING-#8M O-RING-#8M JIC ST.	3	
16	54385001	FITTING-8F JICX4MJIC REDUCER	1	
17	57949001	FITTING-12MX8M JIC 90 DEG. EL.	1	
18	59426001	FITTING - 90 6MJ 6MORBA	2	
19	59461001	TEE-8 JIC SW RUN	1	
20	65562001	FITTING-1/4M X 6M JIC ST.	1	
21	65565001	FITTING - 6M O-RING X 6M JIC ST.	2	
22	83015001	FITTING-4F JIC DIAGNOSTIC	1	

Breakdown-Boom Cylinder

Fig 05-02T01

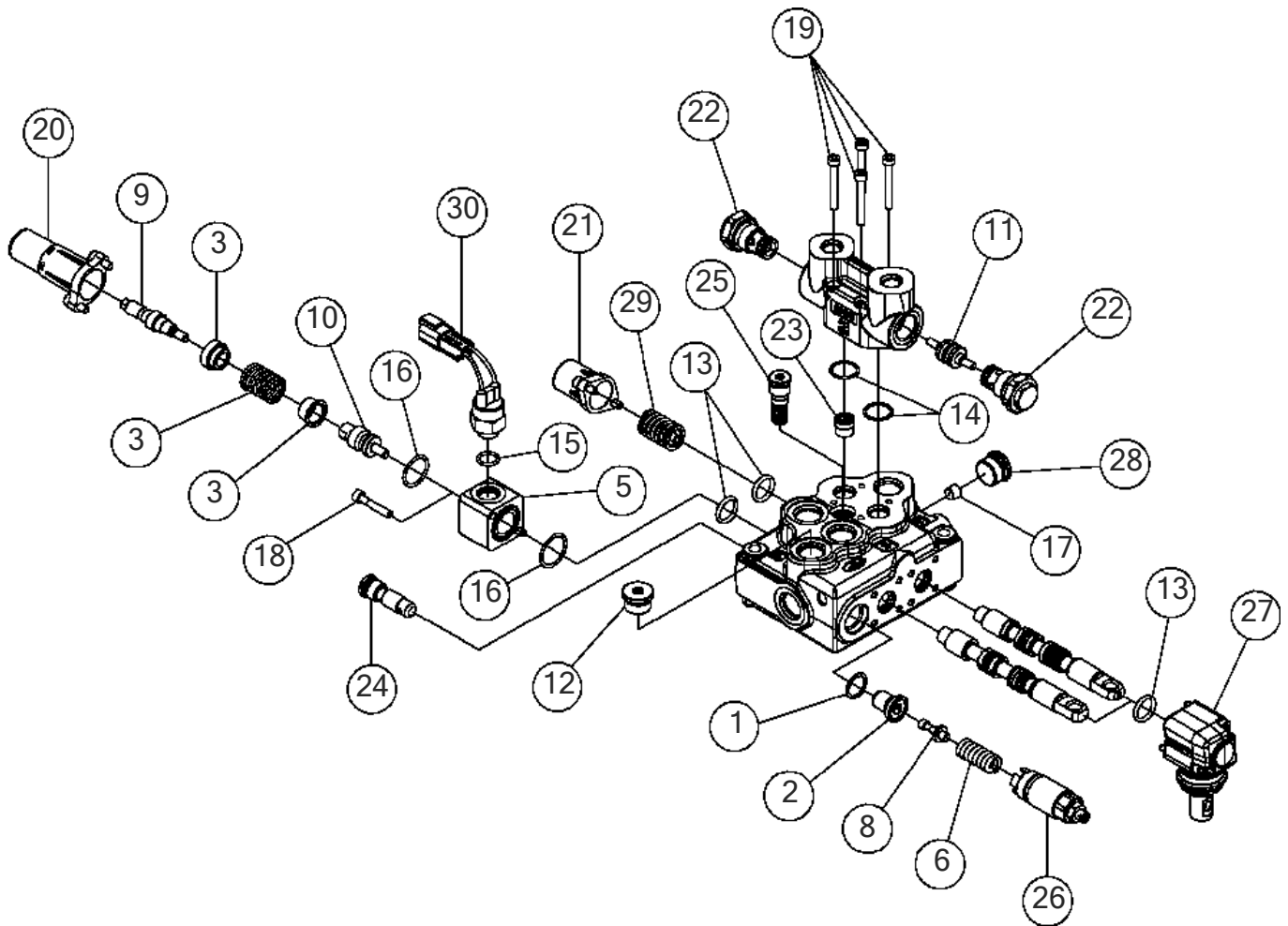


**Breakdown-Boom Cylinder  
Fig 05-02T01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1		WEAR RING	1	NOT SOLD SEPARATELY
2		CAPPED T-SEAL	1	NOT SOLD SEPARATELY
3		O-RING	1	NOT SOLD SEPARATELY
4		O-RING	1	NOT SOLD SEPARATELY
5		BACKUP WASHER	1	NOT SOLD SEPARATELY
6		POLYPAK (TYPE "B")	1	NOT SOLD SEPARATELY
7		ROD WIPER	1	NOT SOLD SEPARATELY
	274852001	SEAL KIT	A/R	Include Refs' 1-7
	296304389	CYLINDER-HYDRAULIC-2.5 X 1.25 X 10.0 STROKE	A/R	Include All Items In Figure

Breakdown-2 Spool Valve

Fig 05-02T02





**Breakdown-2 Spool Valve**  
**Fig 05-02T02**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	274949001	RING-16X20X1	1	
2	274950001	RING-SEAL VMP5	1	
3	180025702	10BZ/S5-SDM80 DETENT KIT	4	
3	(274951001)	SPOOL CONTROL 08/ SDM080 BUSHING	1	
5	274953001	ET-MG/ SDT-WP END CAP	1	
6	180019587	(BLUE) SPRING	1	
7	(274955001)	CONTROL-08/SDN979 'B' SPRING	1	
8	274956001	SUTTER-VMPK5	1	
9	274957001	PIN-V10B/ SDM080-S5	1	
10	274801001	PIN - 9ET3/S5	1	
11	274958001	PISTON-VBP5	1	
12	236100047	PLUG-SAE 8	1	
13	274809001	SEAL - O - RING 15.88 X 2.62 NBR 70 SH	4	
14	236100059	O-RING - 17.17 X 1.78	2	
15	268912001	11.89X1.98 3-906 N552-90 O-RING SEAL	1	
16	274791001	SEAL - O - RING 21.95 X 1.78 VITON 75SH	2	
17	274960001	PLUG-1/8" (FC1.85)-0.073"	1	
18	274961001	SCREW-UNI-5931/M5X30-8.8	2	
19	274962001	SCREW UNI 5931/M5X40-12.9	4	
20	274963001	KIT-V13/ SD5 ENDCAP	1	
21	274964001	KIT-S5 END CAP	1	
22	274965001	VALVE-VBP5	2	
23	274966001	OREFICE-R06/FC1.1 SAE6	1	
24	180019589	VR5 KIT	1	
25	274967001	KIT-VRS/ S5	1	
26	180019586	VMD5/G KIT	1	
27	274968001	KIT-LEVER W/SCREW LSG/ S5	2	
28	274969001	PLUG-AET/ SD5	1	
29	180019590	SPOOL CONTROL KIT	1	
30	274970001	POLLAK-SWITCH (NO)/DT04-2P	1	
	296359014	VALVE-2 SPOOL TRENCHER	A/R	Incl. All Items In Figure

Ground Drive Motors

Fig 05-03

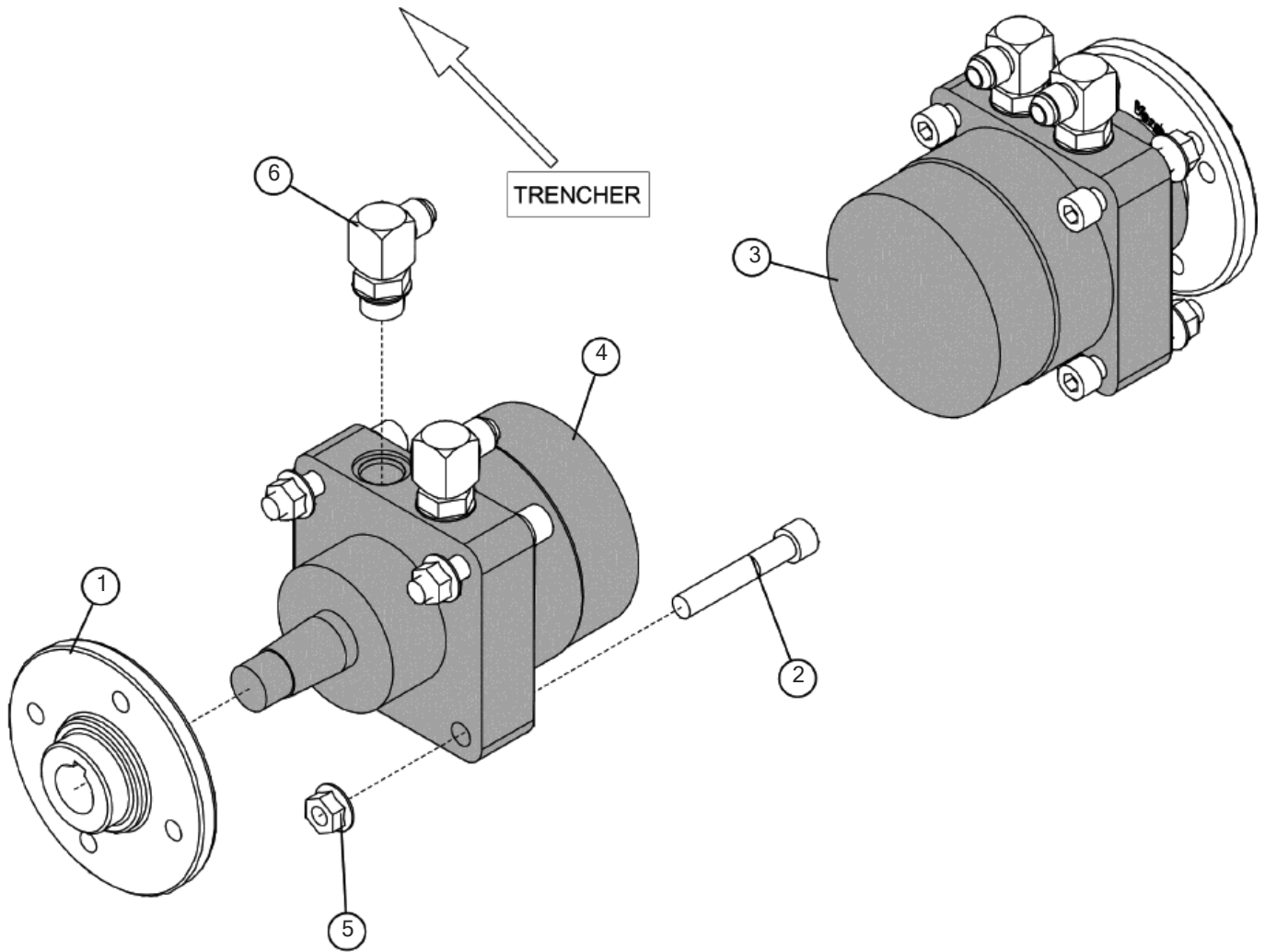


Illustration No: 180027038 - Not For Ordering

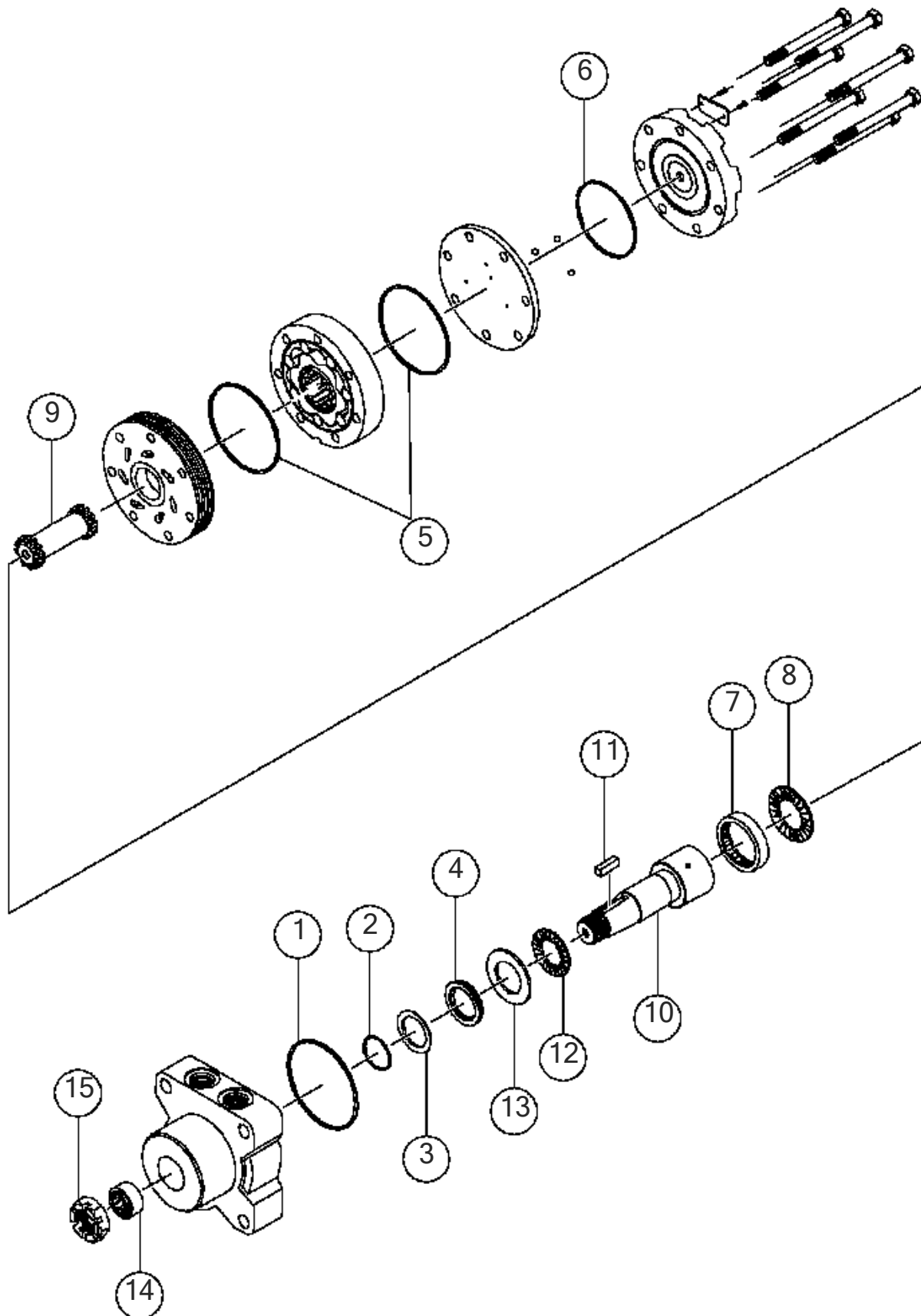
## Ground Drive Motors

## Fig 05-03

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296290252	WHEEL HUB (EATON) MACH	2	
2	296330255	SCREW SHCS .50 13 X 3.00 GR5 YZ	8	
3	296359012	MOTOR-HYD-WHITE 375CC STD ROT	1	Breakdown Fig. 5-3t01 (Right)
4	296359013	MOTOR-HYD-WHITE-375CC REV ROT	1	Breakdown Fig. 5-3t01 (Left)
5	510352501	NUT-SMFLGCTRLOCK - .50-13-G-YZ	8	
6	59407001	ELBOW-8M JICX10M ADJ. 90 DEG.	4	

Breakdown -Ground Drive Motors

Fig 05-03T01



**Breakdown -Ground Drive Motors**  
**Fig 05-03T01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1		HOUSING SEAL	1	NOT SOLD SEPARATELY
2		METAL SHIM	1	NOT SOLD SEPARATELY
3		TEFLON BACK-UP SEAL	1	NOT SOLD SEPARATELY
4		SHAFT SEAL	1	NOT SOLD SEPARATELY
5		BODY SEAL	2	NOT SOLD SEPARATELY
6		ENDCOVER SEAL	1	NOT SOLD SEPARATELY
7	161643001	REAR HOUSING BEARING	1	
8	161581001	REAR THRUST BEARING	1	
9	274948001	DRIVE LINK	1	
10	274947001	SHAFT	1	Include Ref.#11
11		KEY	1	NOT SOLD SEPARATELY
12	274945001	FRONT THRUST BEARING	1	
13	274944001	FRONT THRUST WASHER	1	
14	274943001	FRONT HOUSING BEARING	1	
15	163644785	NUT-1.00-20-UNEF WHITE HYD WHEEL MOTOR 1 1/4 TAPER	1	
	261638003	SEAL KIT	A/R	Include Refs' 1-6
	296359012	MOTOR-HYD-WHITE 375CC STD ROT	A/R	Include All Items In Figure
	296359013	MOTOR-HYD-WHITE-375CC REV ROT	A/R	Include All Items In Figure

13HP Honda Engine/Pumps (SN1794-)

Fig 06-01R01

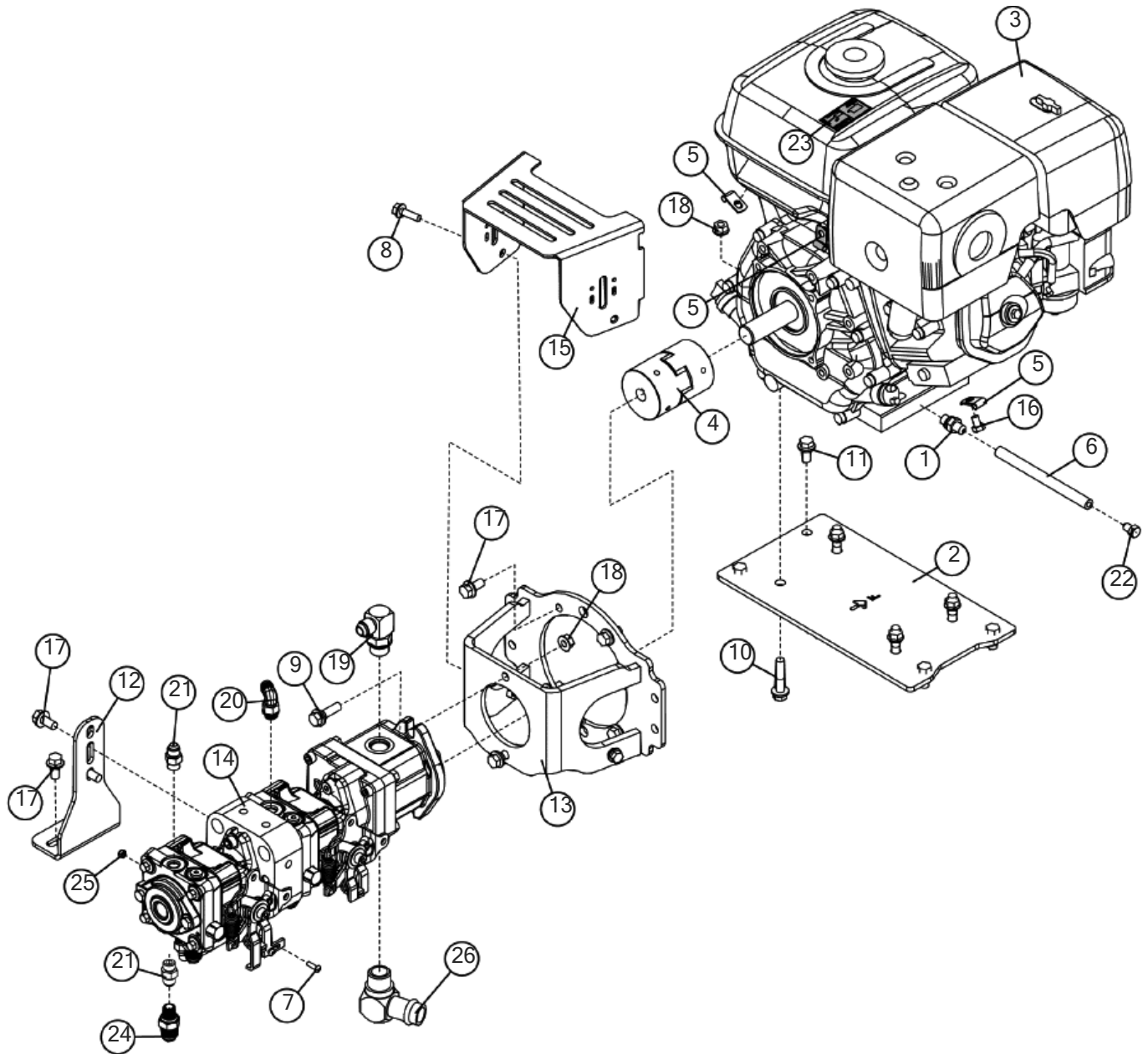


Illustration No. 296359038- Not For Ordering

## 13HP Honda Engine/Pumps (SN1794-)

## Fig 06-01R01

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	103058001	FITTING-M12X1.5X4M JIC STR.	1	
2	163713977	PLATE-ENGINE ADAPTER (HONDA)	1	
3	243253001	ENGINE-13HP HONDA CYCLONE AIR	1	Breakdown Fig. 6-1t01
4	255739001	COUPLER-ROTEX 28-03 ST	1	Breakdown Fig. 6-3
5	2595017	CLAMP-HOSE 1/4 W/11/32 HOLE	3	
6	266652001	HOSE - 45LA - 4FJX - 4FJX - 6.00	1	
7	267451001	SCREW - 10 - 24 X 5/8 SS PHIL PAN MACH S	2	
8	296300763	SCREW,HFS,.31,18X1.00,GR8,YZ	2	
9	296300773	SCREW-HFS-.38-16X1.25-GR8-YZ	2	
10	296300775	SCREW HFS .38 16 X 1.75 GR8 YZ	4	
11	296300863	SCREW-HFS-.38-16X.75-GR8-YZ-PATCH	4	
12	296312969	PLATE-PISTON PUMP MOUNT	1	
13	296312972	WELDMENT - PUMP MOUNT	1	
14	296312997	PUMP-ASSY-TANDEM/GEAR PUMP	1	Breakdown Fig. 6-4
15	296359057	SHIELD-COUPLER RTX100	1	
16	506032012	SCREW-HCS,M8-1.25X12,8.8,YN,D933,FT	1	
17	510346206	SCREW FLGWZ .38,16 X .75,GR2,YZ	8	
18	510352504	NUT - SMFLGTL - .38-16 - G - YZ	6	
19	59407001	ELBOW-8M JICX10M ADJ. 90 DEG.	1	
20	59426001	FITTING - 90 6MJ 6MORBA	1	
21	65565001	FITTING - 6M O-RING X 6M JIC ST.	5	
22	66330001	PLUG-4 JIC MALE	1	
23	7000F633	DECAL - CAUTION HOT, MUFFLER CAN BURN	1	
24	86235001	FITTING-6M ORING X 8M JIC STR.	4	
25	99042001	NUT-NYLOCK-#10-24-GR2-CZ	2	
26	99706001	FITTING-12MORX1"HOSEBEAD 90DEG	1	

Breakdown-Engine

Fig 06-01T01

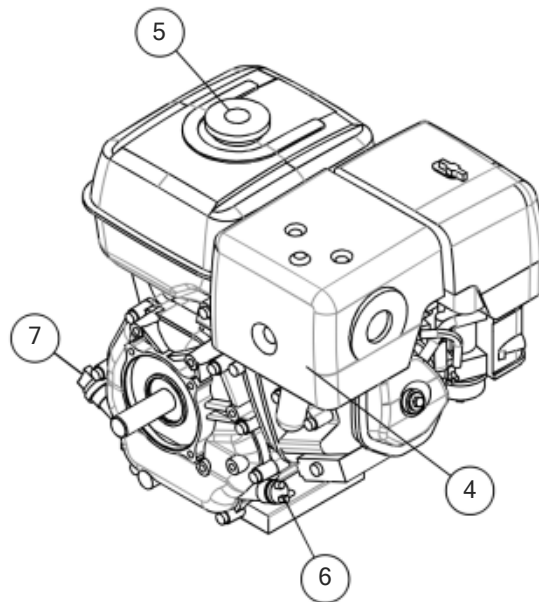
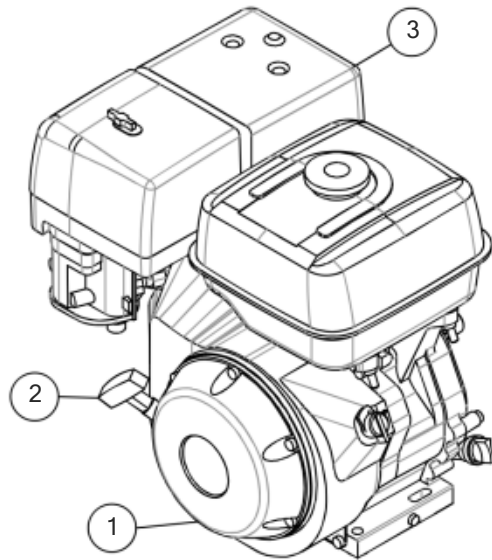


ILLUSTRATION NO. 243253001\_PB - Not For Ordering



**Breakdown-Engine**  
**Fig 06-01T01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	224527075	PULL ROPE AND SPRING ASSY	1	
1	(274926001)	STARTER RECOIL	1	
1	224527041	ROPE-RECOIL STARTER 64"	1	
1	(274928001)	ROPE RECOIL STARTER	1	
2	224527037	GRIP-STARTER	1	
2	(274927001)	STARTER GRIP	1	
3		AIR CLEANER ASSY	1	Breakdown Fig. 6-5
4	274934001	MUFFLER PROTECTOR	1	
5	274935001	CAP-FUEL FILLER	1	
5	274936001	CAP-PACKING FUEL FILLER	1	
6	274937001	CAP-OIL FILLER	1	
	274939001	CAP-PACKING OIL FILLER	1	
7	274938001	DIPSTICK	1	
	243253001	ENGINE-13HP HONDA CYCLONE AIR	A/R	Include All Items In Figure
Note		WHEN ORDERING PARTS INCLUDE (MODEL GX390K1QDW9)	A/R	

Engine- 13HP Honda Electric W/ Pumps (SN1794-)

Fig 06-02R01

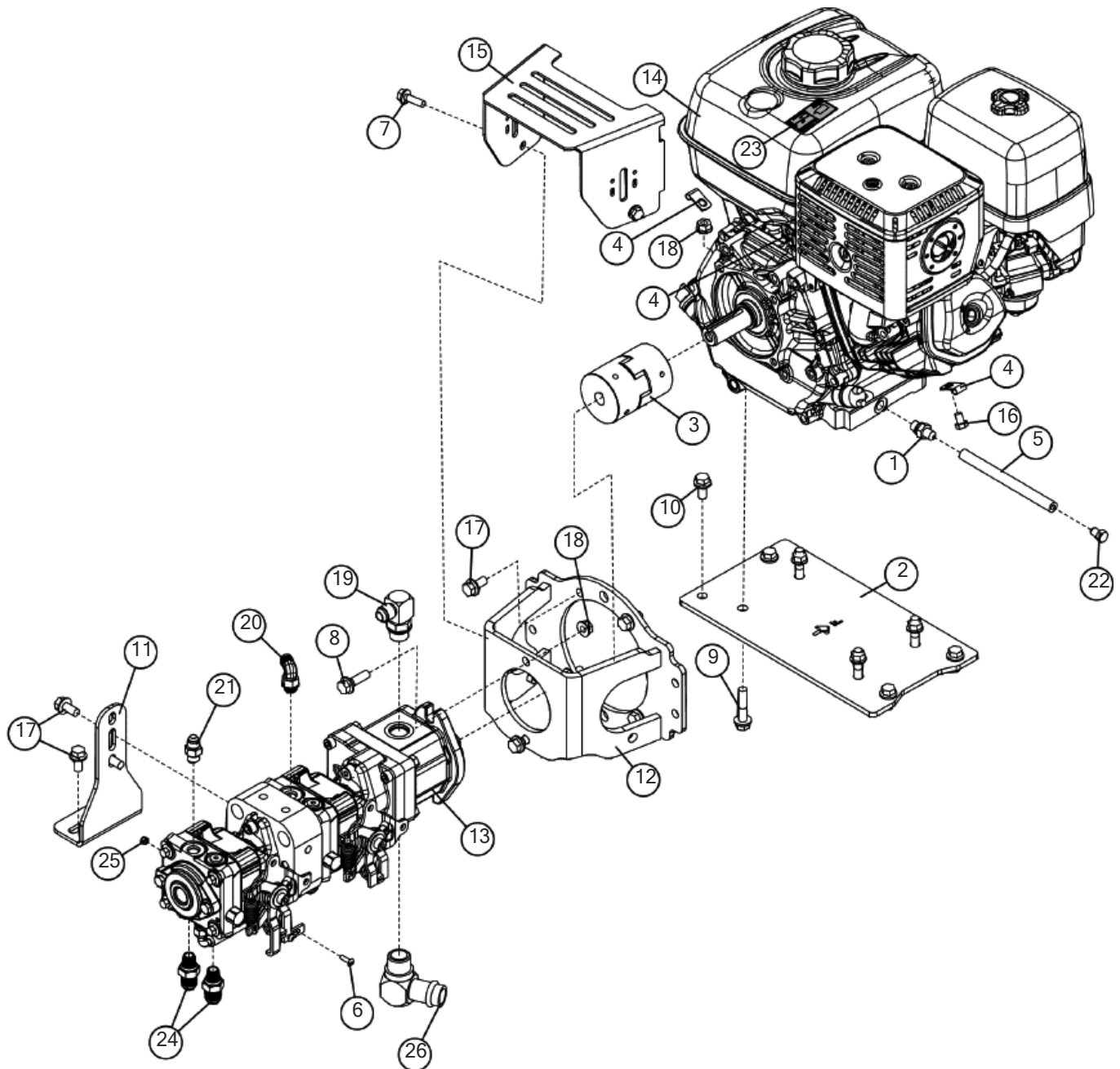


Illustration No. 296359039- Not For Ordering

## Engine- 13HP Honda Electric W/ Pumps (SN1794-)

## Fig 06-02R01

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	103058001	FITTING-M12X1.5X4M JIC STR.	1	
2	163713977	PLATE-ENGINE ADAPTER (HONDA)	1	
3	255739001	COUPLER-ROTEX 28-03 ST	1	Breakdown Fig. 6-3
4	2595017	CLAMP-HOSE 1/4 W/11/32 HOLE	3	
5	266652001	HOSE - 45LA - 4FJX - 4FJX - 6.00	1	
6	267451001	SCREW - 10 - 24 X 5/8 SS PHIL PAN MACH S	2	
7	296300763	SCREW,HFS,.31,18X1.00,GR8,YZ	2	
8	296300773	SCREW-HFS-.38-16X1.25-GR8-YZ	2	
9	296300775	SCREW HFS .38 16 X 1.75 GR8 YZ	4	
10	296300863	SCREW-HFS-.38-16X.75-GR8-YZ-PATCH	4	
11	296312969	PLATE-PISTON PUMP MOUNT	1	
12	296312972	WELDMENT - PUMP MOUNT	1	
13	296312997	PUMP-ASSY-TANDEM/GEAR PUMP	1	Breakdown Fig. 6-4
14	296359021	ENGINE-13HP HONDA W/ STARTER	1	Breakdown Fig. 6-2t01
15	296359057	SHIELD-COUPLER RTX100	1	
16	506032012	SCREW-HCS,M8-1.25X12,8.8,YN,D933,FT	1	
17	510346206	SCREW FLGWZ .38,16 X .75,GR2,YZ	8	
18	510352504	NUT - SMFLGTL - .38-16 - G - YZ	6	
19	59407001	ELBOW-8M JICX10M ADJ. 90 DEG.	1	
20	59426001	FITTING - 90 6MJ 6MORBA	1	
21	65565001	FITTING - 6M O-RING X 6M JIC ST.	1	
22	66330001	PLUG-4 JIC MALE	1	
23	7000F633	DECAL - CAUTION HOT, MUFFLER CAN BURN	1	
24	86235001	FITTING-6M ORING X 8M JIC STR.	4	
25	99042001	NUT-NYLOCK-#10-24-GR2-CZ	2	
26	99706001	FITTING-12MORX1"HOSEBEAD 90DEG	1	

Breakdown-Engine

Fig 06-02T01

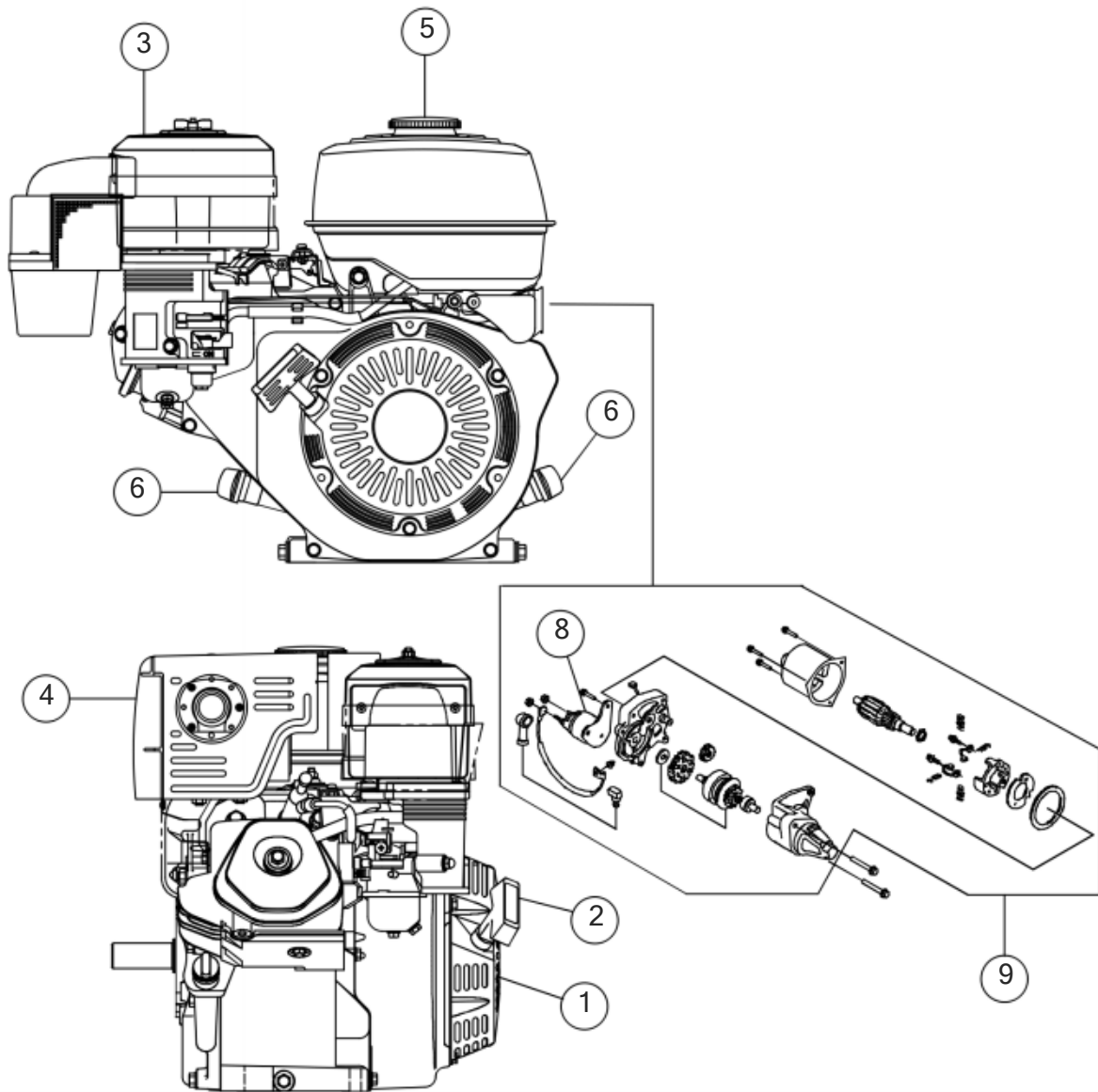


ILLUSTRATION NO. 296359021\_BD - Not For Ordering

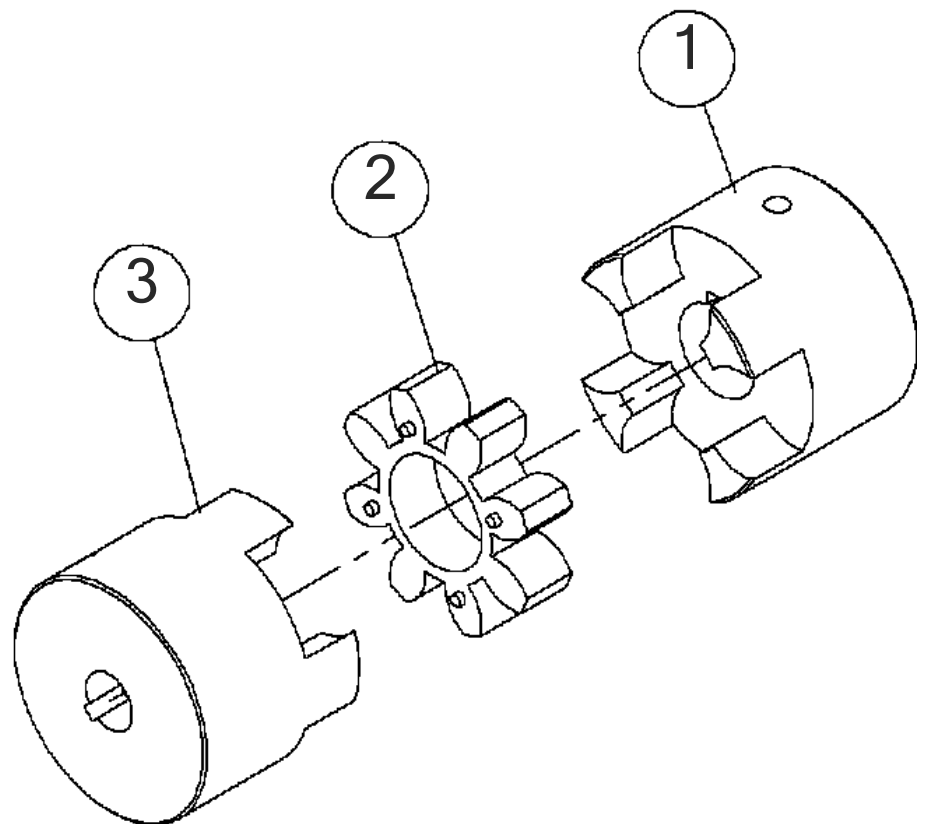
**Breakdown-Engine**  
**Fig 06-02T01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	224527075	PULL ROPE AND SPRING ASSY	1	
1	224527041	ROPE-RECOIL STARTER 64"	1	
2	224527037	GRIP-STARTER	1	
3		AIR CLEANER ASSY	1	Breakdown Fig. 6-5
4	274934001	MUFFLER-PROTECTOR	1	
4	274933001	MUFFLER-COMP.	1	
5	274935001	CAP - FUEL FILLER	1	
5	274936001	CAP-PACKING OIL FILLER	1	
6	274937001	CAP - OIL FILLER	1	
6	274939001	CAP-PACKING OIL FILLER	2	
7	274938001	DIPSTICK	1	
8	274940001	CONTRACTOR ASSEMBLY	1	
9	274941001	STARTER MOTOR UNIT	1	
	296359021	ENGINE-13HP HONDA W/ STARTER	A/R	Include All Items In Figure

Breakdown- Coupler-Rotex

Fig 06-03

Illustration No. 255739001



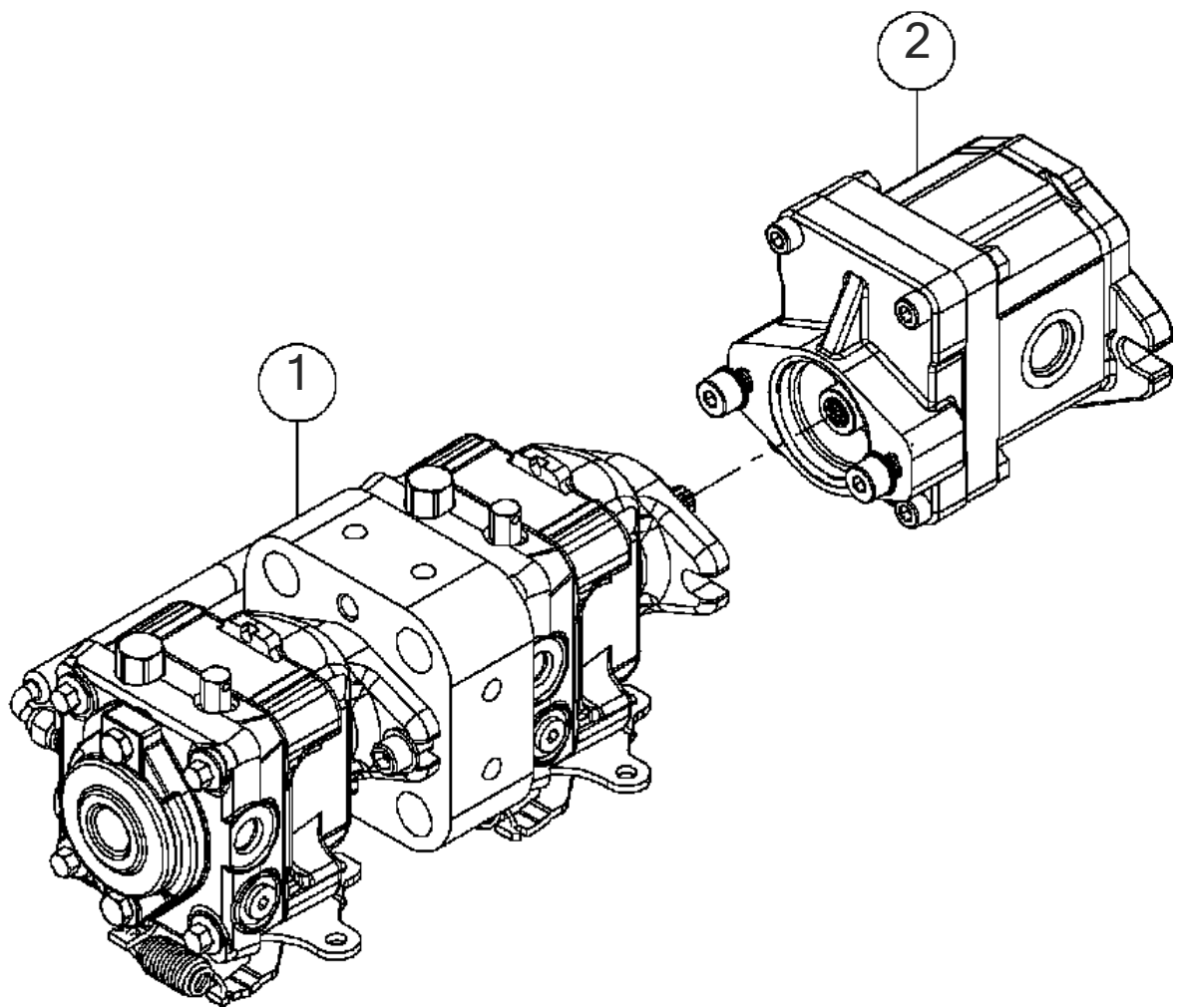
**Breakdown- Coupler-Rotex**  
**Fig 06-03**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	255740001	COUPLER JAW-1.00" BORE	1	
2	600388005	SPIDER- 28 spider 92 sh	1	
3	255742001	COUPLER JAW-.625" BORE	1	
	255739001	COUPLER-ROTEX 28-03 ST	A/R	Include All Items In Figure

Breakdown- Tandem/Gear Pump

Fig 06-04

Illustration No. 296312997



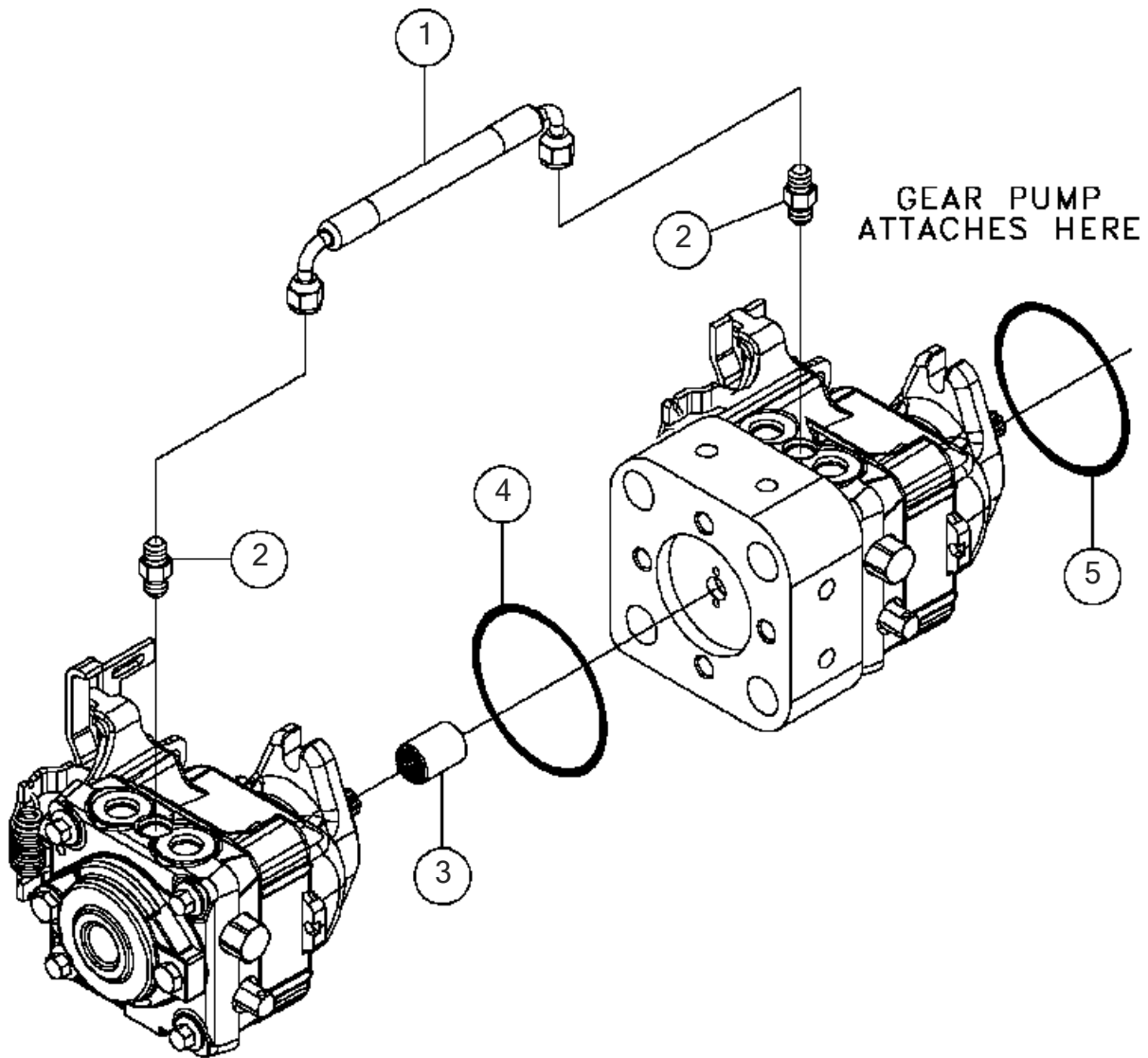


**Breakdown- Tandem/Gear Pump**  
**Fig 06-04**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296359011	PUMP-TANDEM PISTON 6.1CC W/NEUTRAL START	1	Breakdown Fig. 6-4t01 & 6-4t02
2	296304297	PUMP-GEAR .51CID SAUER A/A-A	1	
2	210493017	SEAL KIT	1	

Breakdown- Tandem Pump

Fig 06-04T01

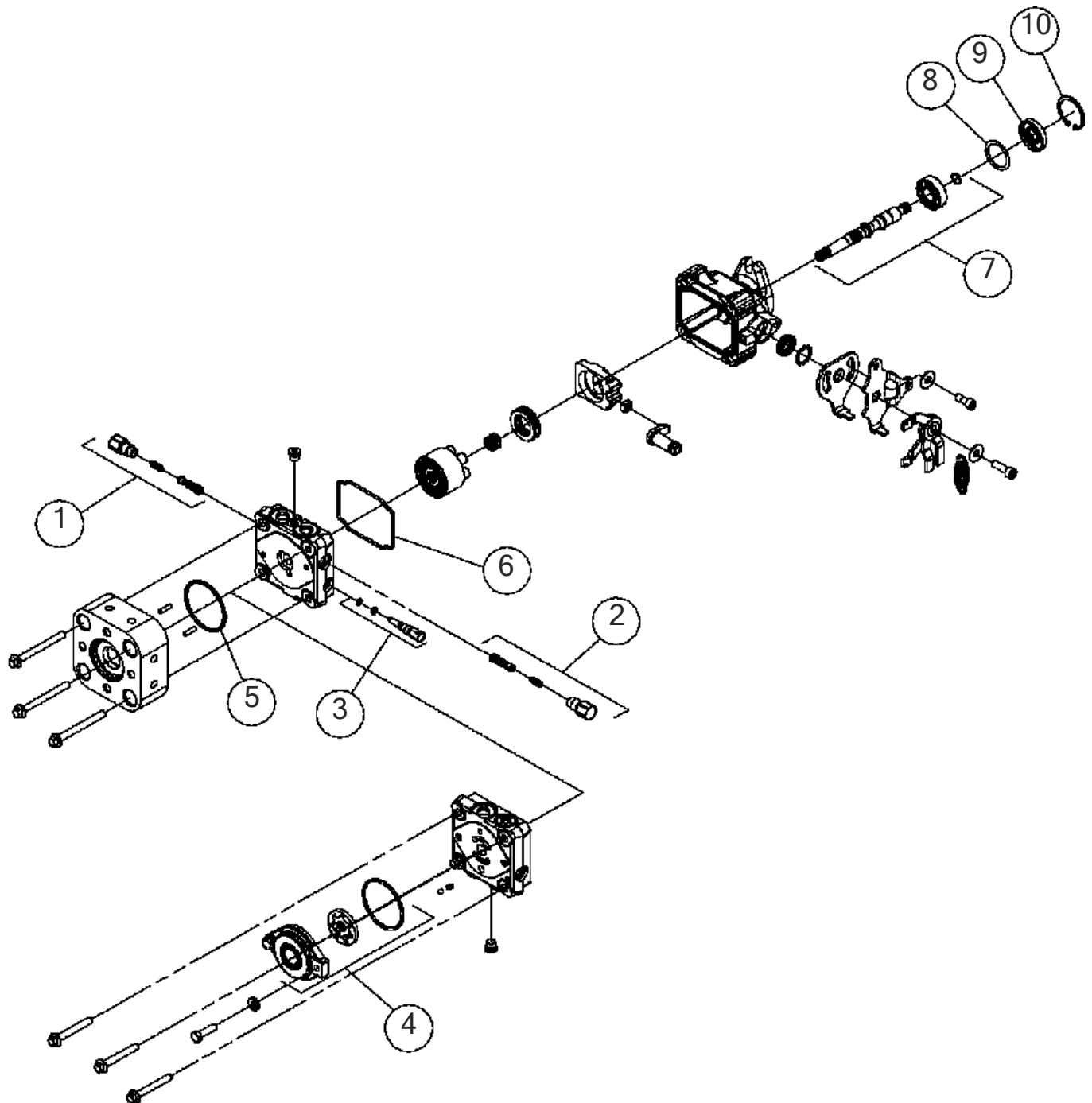


**Breakdown- Tandem Pump**  
**Fig 06-04T01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296368355	HOSE ASSY-6.50" LONG	1	
2	296368357	FITTING-5/16 SAE ST 7/16 JIC	2	
3	296368356	COUPLING-15T 32/64 TO 9T 24/40	1	
4	296368358	ORING-103X1.987ID	1	
5	296368320	ORING	1	
	296359011	*PUMP-TANDEM PISTON 6.1CC W/NEUTRAL START	A/R	Inc. All Items In Fig. 6-4t01 & 6-4t02

Breakdown- Tandem Pump

Fig 06-04T02



**Breakdown- Tandem Pump  
Fig 06-04T02**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296368310	KIT-SHOCK VALVE	1	
2	296368311	KIT-SHOCK VALVE	2	
3	296368312	KIT-BYPASS VALVE	2	
4	296368313	KIT-CHARGE PUMP	1	
5	296368314	O-RING SQUARE	1	
6	296368315	HOUSING-ORING	1	
7	296368321	KIT-PUMP SHAFT	1	
8	261577023	SPACER	1	
9	261577025	LIP SEAL 17X40X7 PTC	1	
10	261577027	RETAINING RING	1	
	296368324	TANDEM KIT	A/R	Inc. Ref#s' 5 & 6
	296359011	*PUMP-TANDEM PISTON 6.1CC W/NEUTRAL START	A/R	Inc. All Items In Fig. 6-4t01 & 6-4t02

Breakdown-Air Cleaner

Fig 06-05

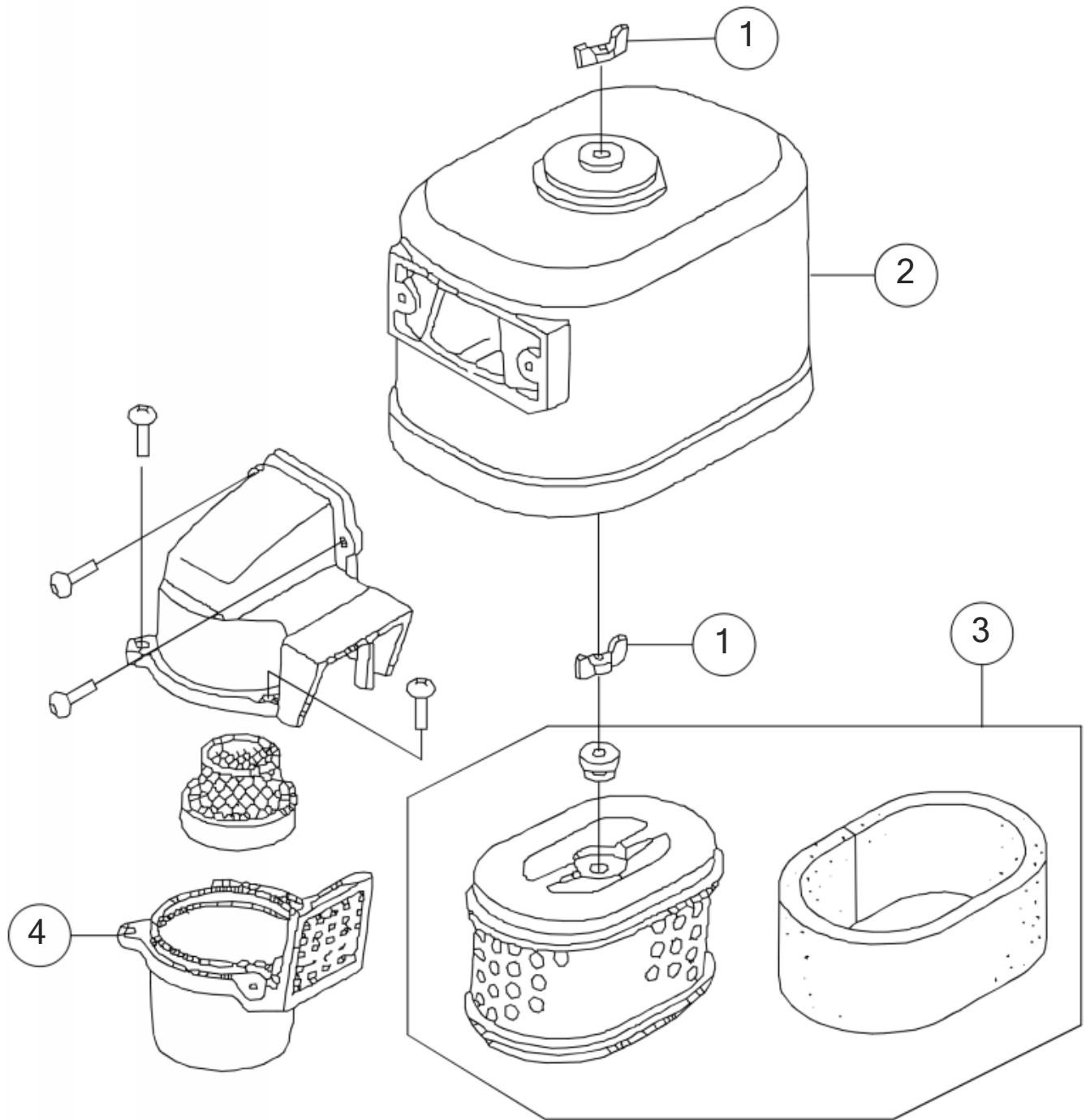


ILLUSTRATION NO. 180027266\_PB - Not For Ordering

**Breakdown-Air Cleaner**

**Fig 06-05**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	274929001	NUT-TOOL BOX SETTING	2	
2	243253011	COVER COMP AIR CLEANER - CYCL	1	
3	224527013	ELEMENT-AIR CLEANER	1	
4	243253019	CASE-PRE AIR CLEANER	1	

Engine- 14 HP Kohler Recoil W/ Pumps (SN1794-)

Fig 06-06R01

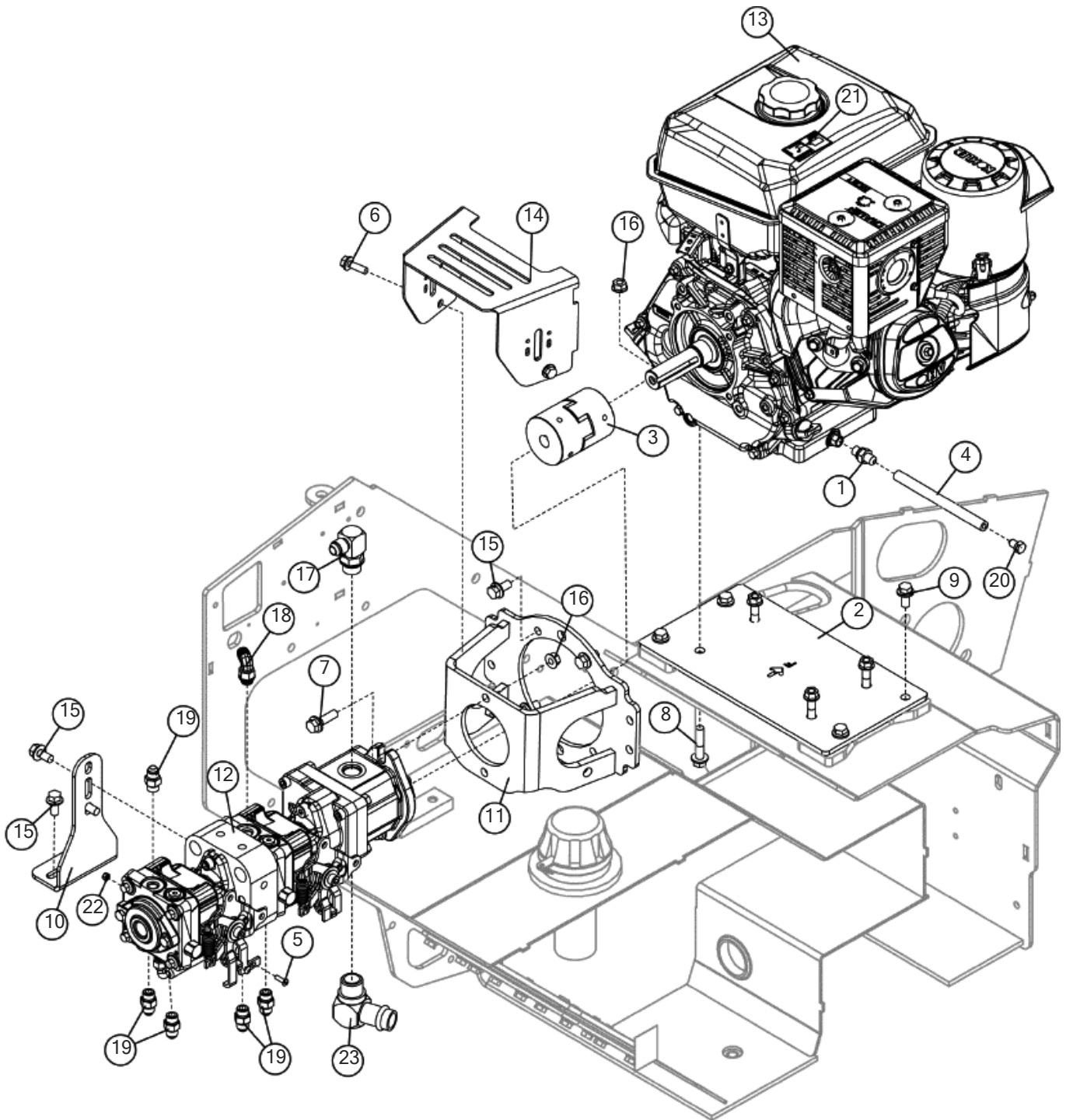


Illustration No. 296355351- Not For Ordering



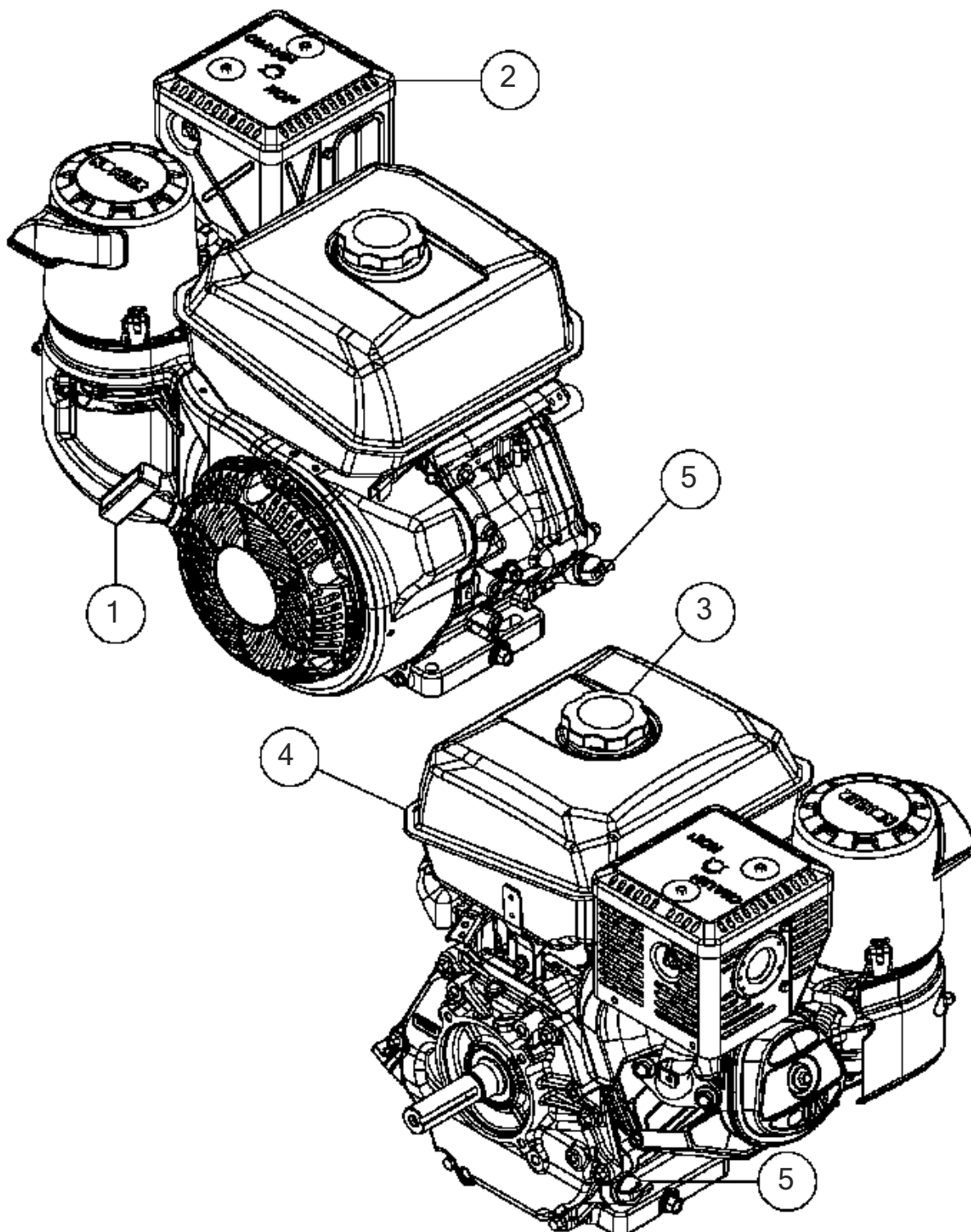
## Engine- 14 HP Kohler Recoil W/ Pumps (SN1794-)

## Fig 06-06R01

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	103058001	FITTING-M12X1.5X4M JIC STR.	1	
2	163713977	PLATE-ENGINE ADAPTER (HONDA)	1	
3	255739001	COUPLER-ROTEX 28-03 ST	1	Breakdown Fig. 6-3
4	266652001	HOSE - 45LA - 4FJX - 4FJX - 6.00	1	
5	267451001	SCREW - 10 - 24 X 5/8 SS PHIL PAN MACH S	2	
6	296300763	SCREW,HFS,.31,18X1.00,GR8,YZ	2	
7	296300773	SCREW-HFS-.38-16X1.25-GR8-YZ	2	
8	296300775	SCREW,HFS,.38,16X1.75,GR8,YZ	4	
9	296300863	SCREW-HFS-.38-16X.75-GR8-YZ-PATCH	4	
10	296312969	PLATE-PISTON PUMP MOUNT	1	
11	296312972	WELDMENT - PUMP MOUNT	1	
12	296312997	PUMP-ASSY-TANDEM/GEAR PUMP	1	Breakdown Fig. 6-4
13	296355344	ENGINE - CH440 RECOIL START KOHLER 14HP	1	Breakdown Fig. 6-6t01 through 6-6t03
14	296359057	SHIELD-COUPLER RTX100	1	
15	510346206	SCREW FLGWZ .38,16 X .75,GR2,YZ	8	
16	510352504	NUT - SMFLGTL - .38-16 - G - YZ	6	
17	59407001	ELBOW-8M JICX10M ADJ. 90 DEG.	1	
18	59426001	FITTING - 90 6MJ 6MORBA	1	
19	65565001	FITTING - 6M O-RING X 6M JIC ST.	5	
20	66330001	PLUG-4 JIC MALE	1	
21	7000F633	DECAL - CAUTION HOT, MUFFLER CAN BURN	1	
22	99042001	NUT - NYLOCK - 10 - 24 - GR2 - CZ	2	
23	99706001	FITTING-12MORX1"HOSEBEAD 90DEG	1	

Breakdown-Engine 14HP Kohler Recoil W/Pump

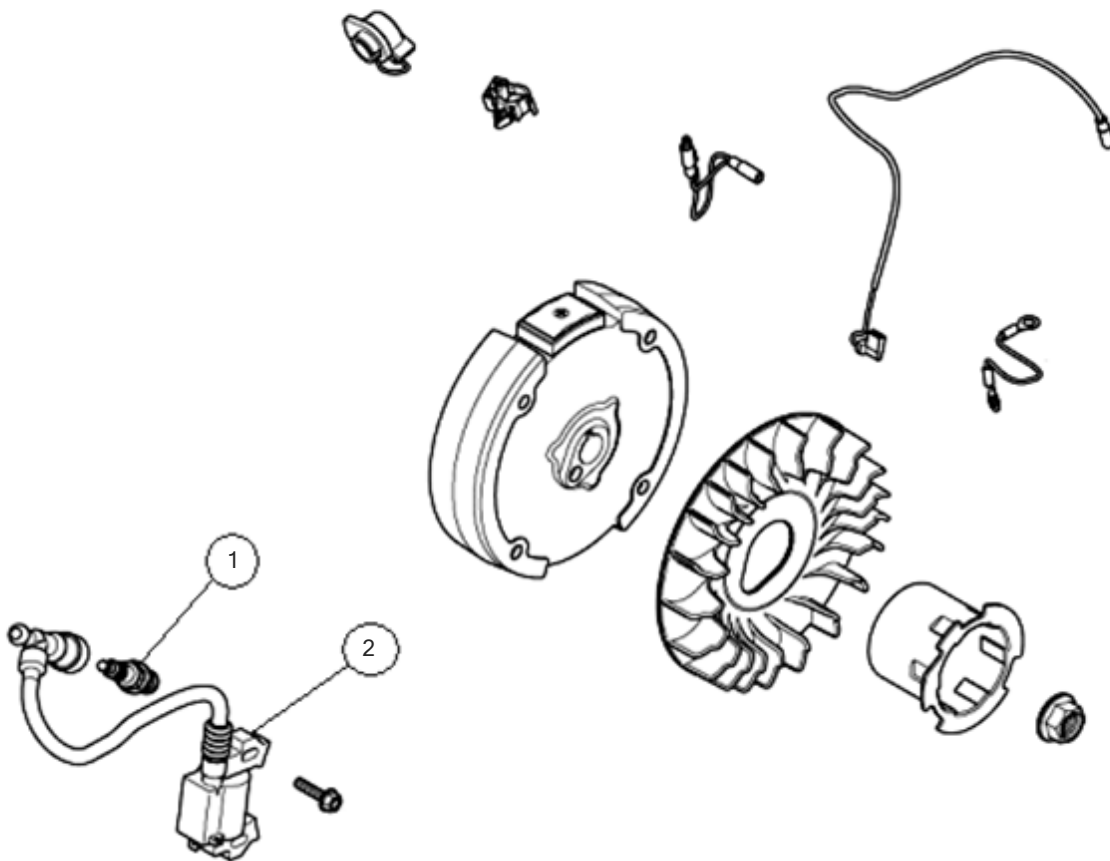
Fig 06-06T01



**Breakdown-Engine 14HP Kohler Recoil W/Pump  
Fig 06-06T01**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296368292	RETRACTABLE STARTER ASSY	1	
2	296368293	KIT-MUFFLER	1	
2	296368294	GASKET-MUFFLER	1	
3	296368296	CAP-EVAPORATIVE EMISSION	1	
4	296368298	TANK-FUEL ASSY	1	
4	296368297	FILTER-FUEL TANK	1	
5	296368299	DIPSTICK ASSY	1	
5	296368301	SEAL-OIL	2	
6	296368300	CAP ASSY-OIL FILL	1	
7	296368326	SWITCH-OIL SENSOR ASSY	1	(Not Shown)
	296355344	ENGINE - CH440 RECOIL START KOHLER 14HP	A/R	Inc. All Items In Fig. 6-6z01 To 6-6z03

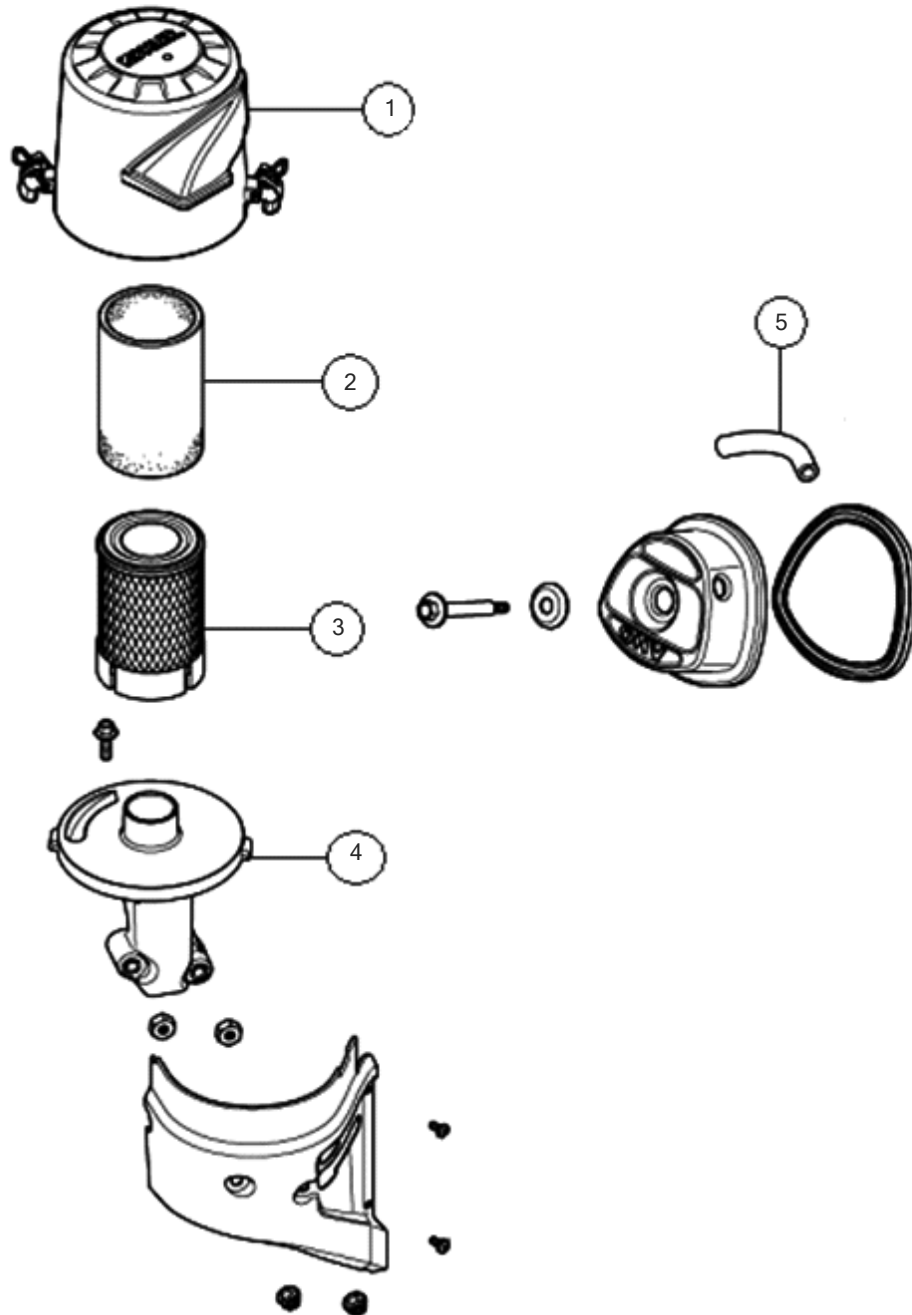
Breakdown- Ignition/ Charging  
Fig 06-06T02



**Breakdown- Ignition/ Charging**  
**Fig 06-06T02**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296368302	SPARK-PLUG RFI	1	
2	296368303	MODULE-IGNITION	2	
	296355344	ENGINE - CH440 RECOIL START KOHLER 14HP	A/R	Inc. All Items In Fig. 6-6z01 To 6-6z03

Breakdown- Air Intake/ Filtration  
Fig 06-06T03



**Breakdown- Air Intake/ Filtration**  
**Fig 06-06T03**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296368288	COVER-AIR ASSEMBLY	1	
2	296368289	ELEMENT-PRE CLEANER	1	
3	296368290	ELEMENT-AIR FILTER	1	
4	296368291	BASE-ASSY AIR CLEANER CYCLONIC	1	
5	296368295	TUBE-BREATHER	1	
	296355344	ENGINE - CH440 RECOIL START KOHLER 14HP	A/R	Inc. All Items In Fig. 6-6z01 To 6-6z03

Engine-14HP Kohler Electric W/Pump (SN1794-)

Fig 06-07R01

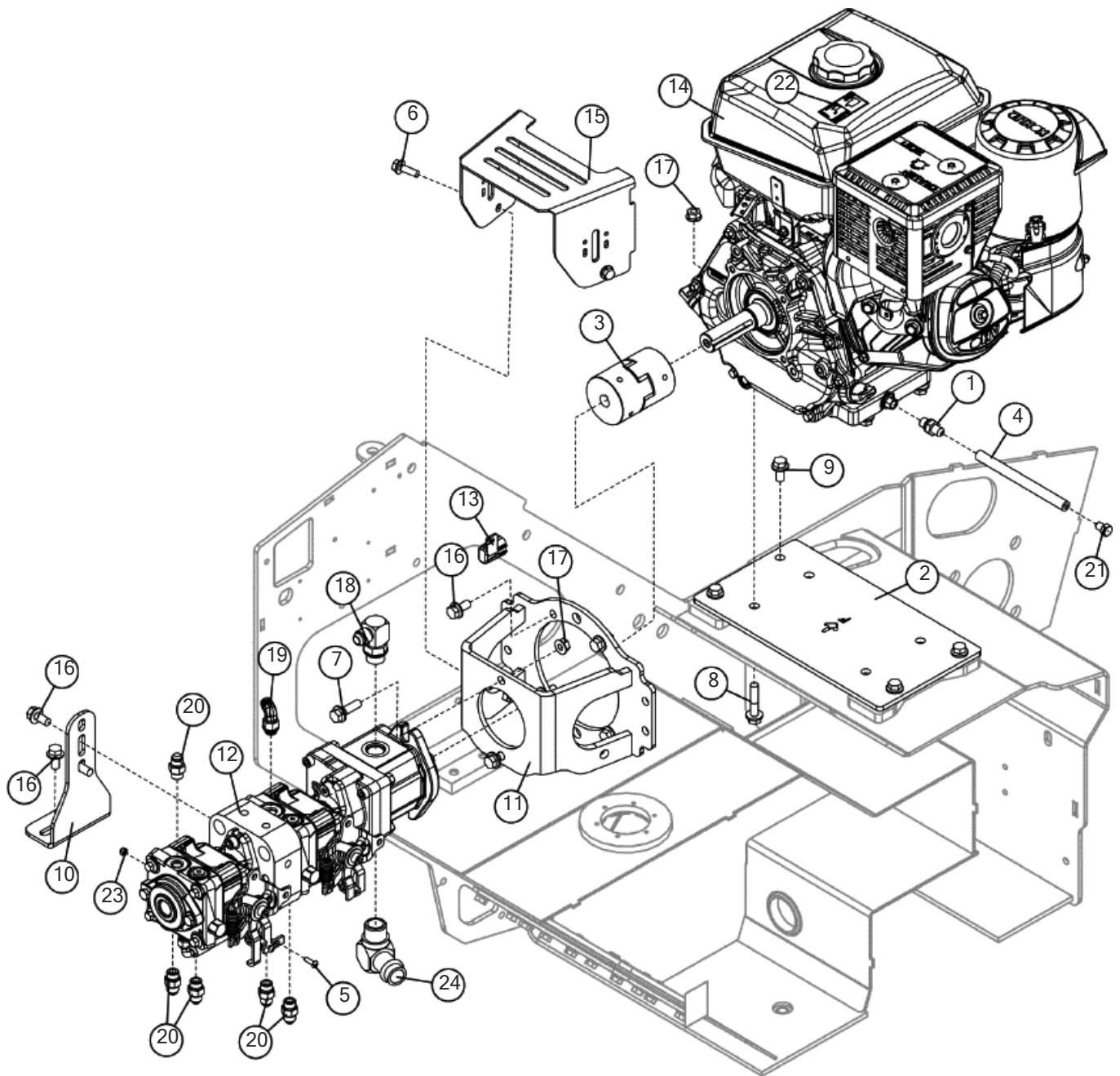


Illustration No. 296355352- Not For Ordering



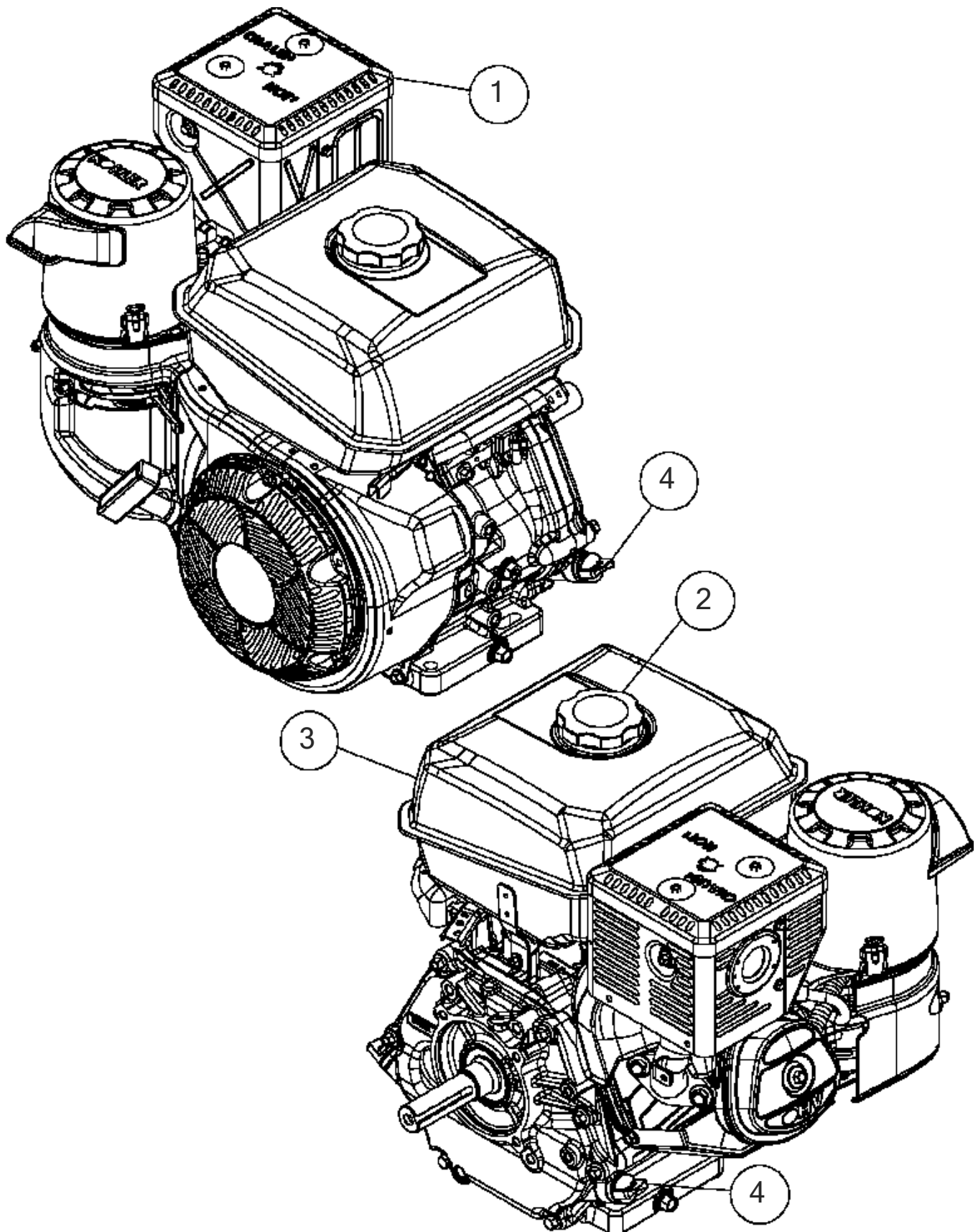
## Engine-14HP Kohler Electric W/Pump (SN1794-)

## Fig 06-07R01

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	103058001	FITTING-M12X1.5X4M JIC STR.	1	
2	163713977	PLATE-ENGINE ADAPTER (HONDA)	1	
3	255739001	COUPLER-ROTEX 28-03 ST	1	Breakdown Fig. 6-3
4	266652001	HOSE - 45LA - 4FJX - 4FJX - 6.00	1	
5	267451001	SCREW - 10 - 24 X 5/8 SS PHIL PAN MACH S	2	
6	296300763	SCREW,HFS,.31,18X1.00,GR8,YZ	2	
7	296300773	SCREW-HFS-.38-16X1.25-GR8-YZ	2	
8	296300775	SCREW,HFS,.38,16X1.75,GR8,YZ	4	
9	296300863	SCREW-HFS-.38-16X.75-GR8-YZ-PATCH	4	
10	296312969	PLATE-PISTON PUMP MOUNT	1	
11	296312972	WELDMENT - PUMP MOUNT	1	
12	296312997	PUMP-ASSY-TANDEM/GEAR PUMP	1	Breakdown Fig. 6-4
13	296344926	FUSE MINI WEATHER CAP	1	
14	296355343	ENGINE - CH440 ELEC. START KOHLER 14HP	1	Breakdown Fig. 6-7t01 through 6-7t04
15	296359057	SHIELD-COUPLER RTX100	1	
16	510346206	SCREW FLGWZ .38,16 X .75,GR2,YZ	8	
17	510352504	NUT - SMFLGTL - .38-16 - G - YZ	6	
18	59407001	ELBOW-8M JICX10M ADJ. 90 DEG.	1	
19	59426001	FITTING - 90 6MJ 6MORBA	1	
20	65565001	FITTING - 6M O-RING X 6M JIC ST.	5	
21	66330001	PLUG-4 JIC MALE	1	
22	7000F633	DECAL - CAUTION HOT, MUFFLER CAN BURN	1	
23	99042001	NUT - NYLOCK - 10 - 24 - GR2 - CZ	2	
24	99706001	FITTING-12MORX1"HOSEBEAD 90DEG	1	

Breakdown-Engine

Fig 06-07T01



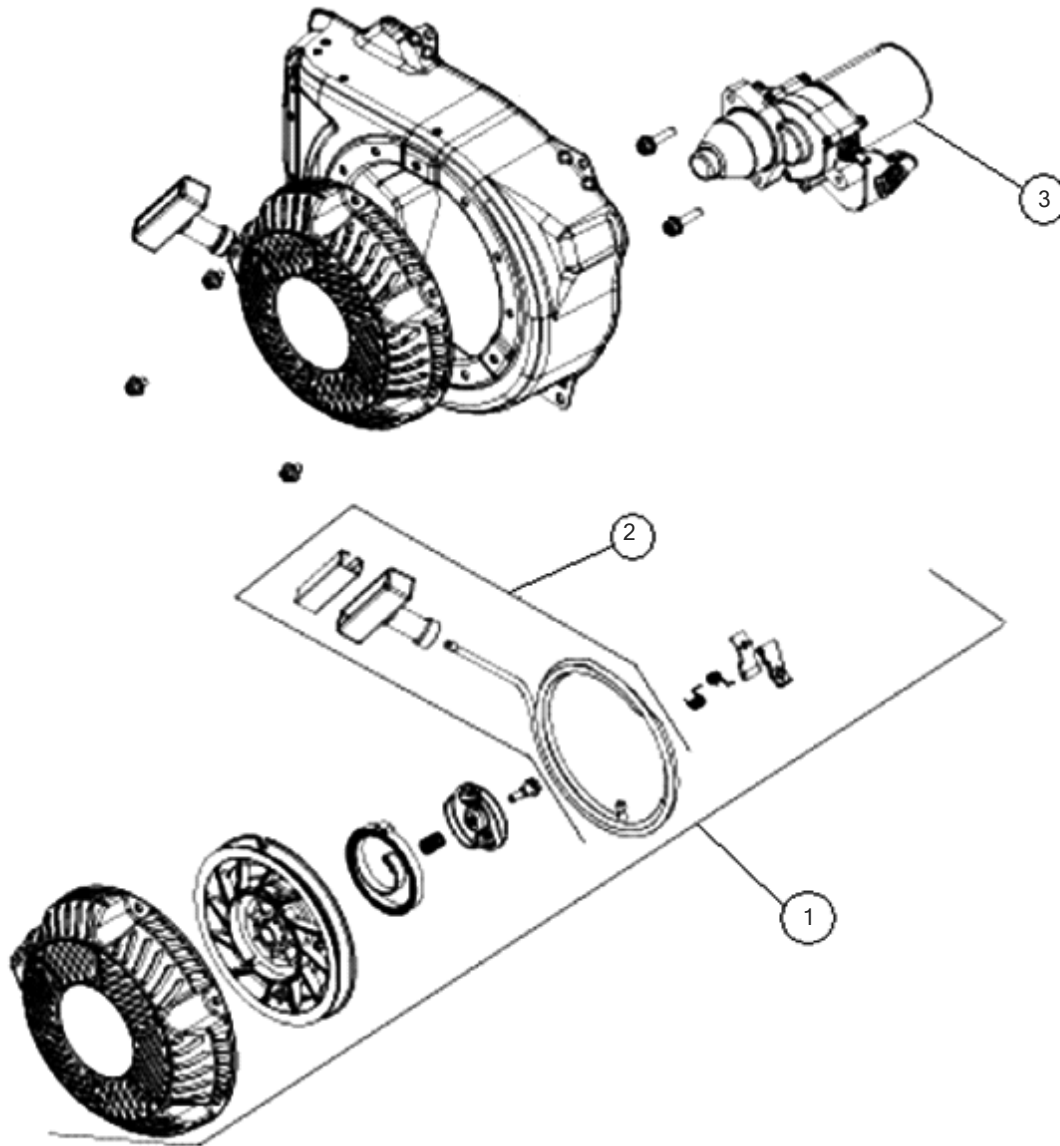
## Breakdown-Engine

## Fig 06-07T01

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296368293	KIT-MUFFLER	1	
1	296368294	GASKET-MUFFLER	1	
2	296368296	CAP-EVAPORATIVE EMISSION	1	
3	296368298	TANK-FUEL ASSY	1	
3	296368297	FILTER-FUEL TANK	1	
4	296368299	DIPSTICK ASSY	1	
4	296368301	SEAL-OIL	2	
5	296368300	CAP ASSY-OIL FILL	1	
6	296368326	SWITCH-OIL SENSOR ASSY	1	(Not Shown)
	296355343	ENGINE - CH440 ELEC. START KOHLER 14HP	A/R	Inc. All Items In Fig. 6-7t01 To 6-7t04

Breakdown- Starting System

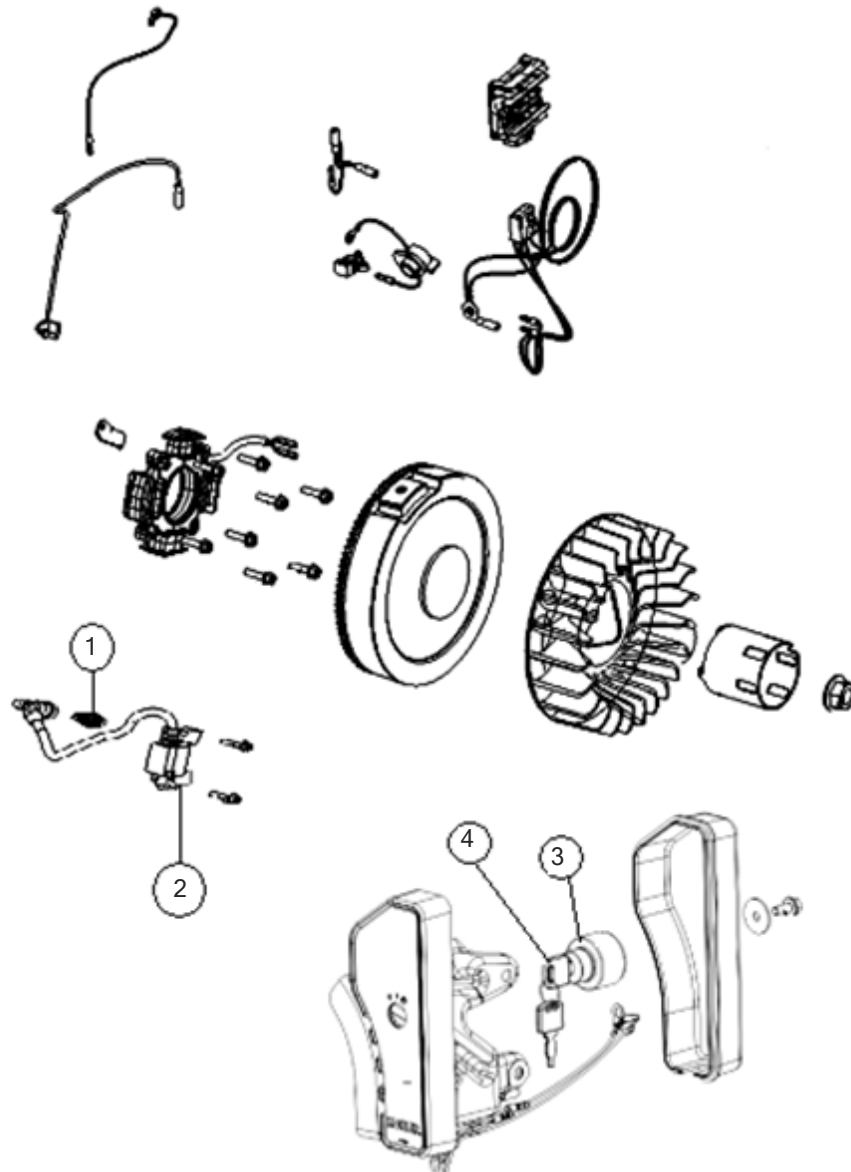
Fig 06-07T02



**Breakdown- Starting System**  
**Fig 06-07T02**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296368292	RETRACTABLE STARTER ASSY	1	
2	296368305	KIT-HANDLE	1	
3	296368304	STARTER ASSY	1	
	296355343	ENGINE - CH440 ELEC. START KOHLER 14HP	A/R	Inc. All Items In Fig. 6-7t01 To 6-7t04

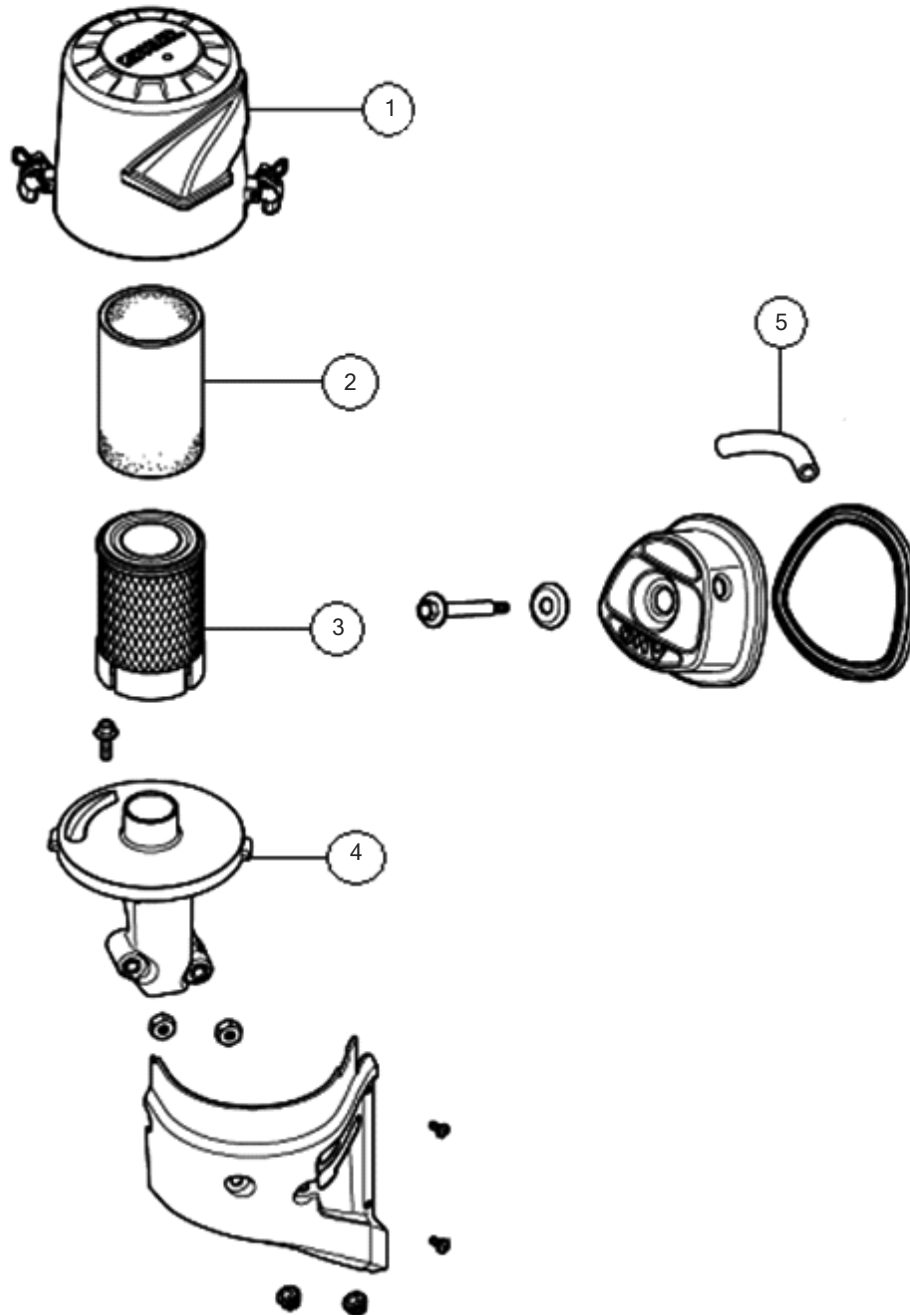
Breakdown- Ignition/ Charging  
Fig 06-07T03



**Breakdown- Ignition/ Charging**  
**Fig 06-07T03**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296368302	SPARK-PLUG RFI	1	
2	296368303	MODULE-IGNITION	1	
3	296368306	IGNITION SWITCH	1	
4	296368307	KEYS-PAIR .	1	
	180028975	REGULATOR RECTIFIER	1	
	296355343	ENGINE - CH440 ELEC. START KOHLER 14HP	A/R	Inc. All Items In Fig. 6-7z01 To 6-7z04

Breakdown- Air Intake/ Filtration  
Fig 06-07T04





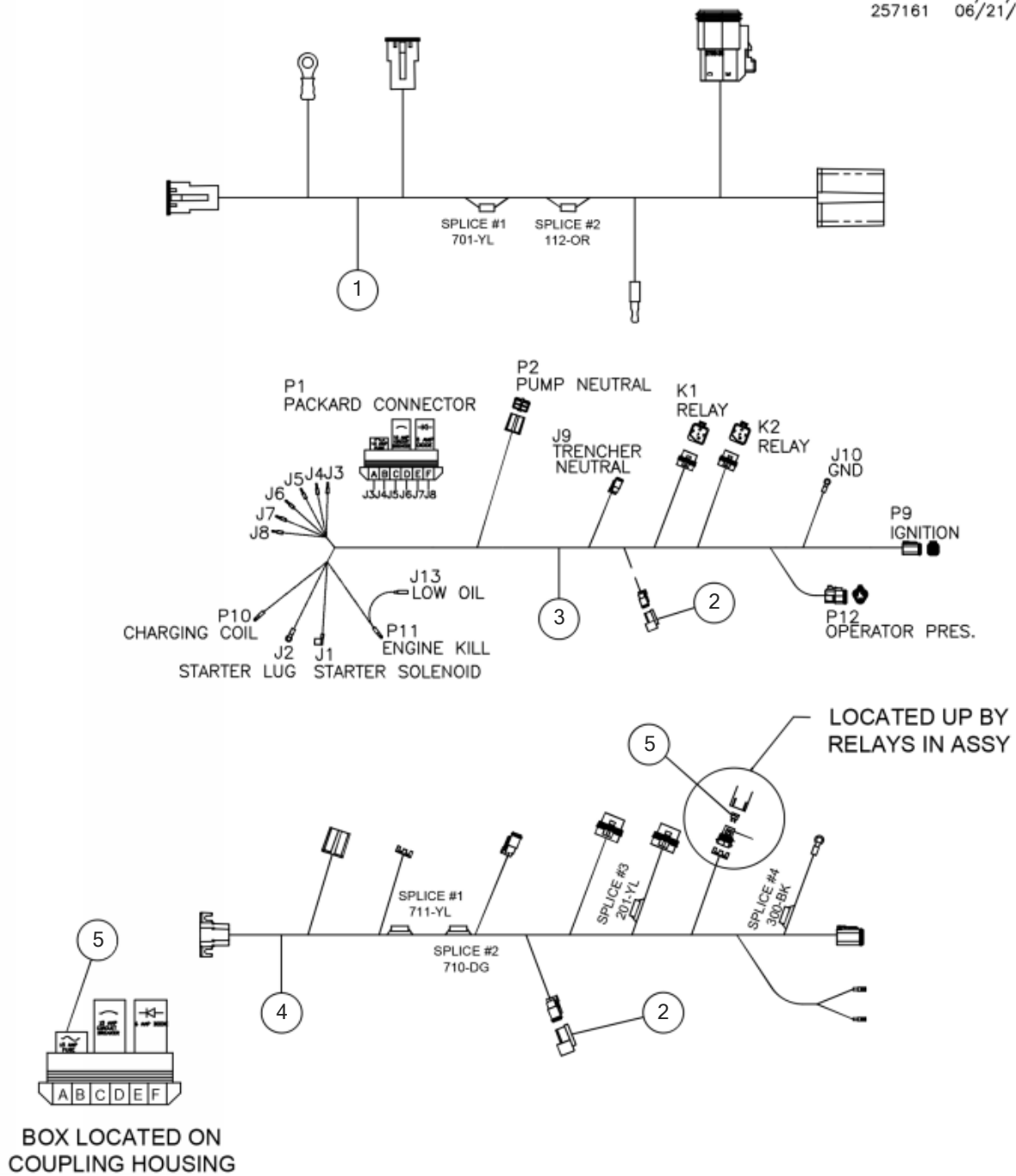
**Breakdown- Air Intake/ Filtration  
Fig 06-07T04**

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296368288	COVER-AIR ASSEMBLY	1	
2	296368289	ELEMENT-PRE CLEANER	1	
3	296368290	ELEMENT-AIR FILTER	1	
4	296368291	BASE-ASSY AIR CLEANER CYCLONIC	1	
5	296368295	TUBE-BREATHER	1	
	296355343	ENGINE - CH440 ELEC. START KOHLER 14HP	A/R	Inc. All Items In Fig. 6-7t01 To 6-7t04

Harness-RTX100 (SN 1279-)

Fig 07-01R02

261861 04/13/15  
257161 06/21/13



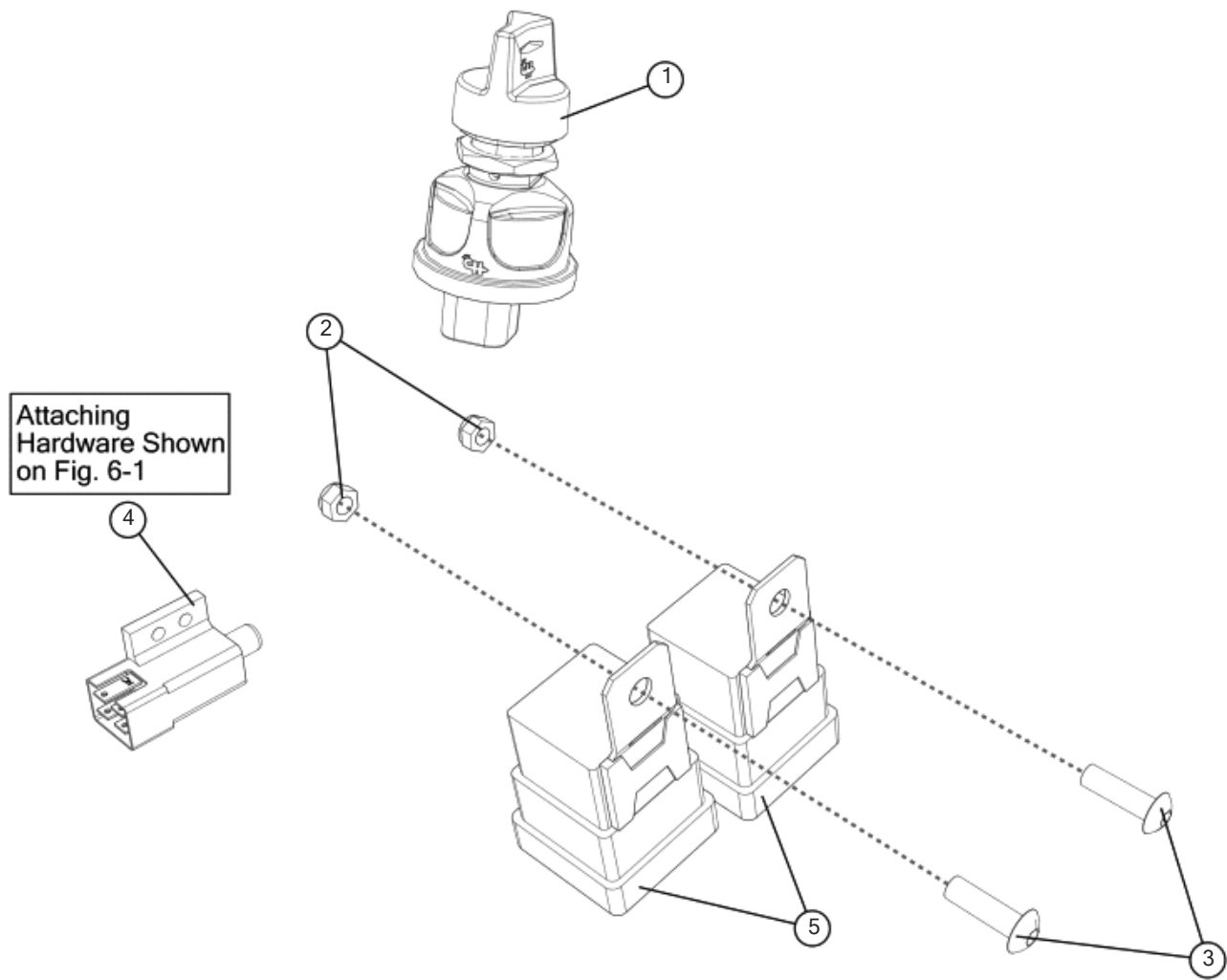
Harness-RTX100 (SN 1279-)

Fig 07-01R02

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296312992	HARNESS-RTX100 MAIN	1	Recoil Honda & Kohler
2	296379164	DIODE	2	
3	296355347	HARNESS - RTX100 HONDA ELECT. START	1	Honda Electric Start
4	296355321	HARNESS-RTX100/150 KOHLER ELEC. START	1	Kohler Electric Start
5	296273498	FUSE - MINI 15 AMP	2	

Electrical-Honda E/S

Fig 07-02



## Electrical-Honda E/S

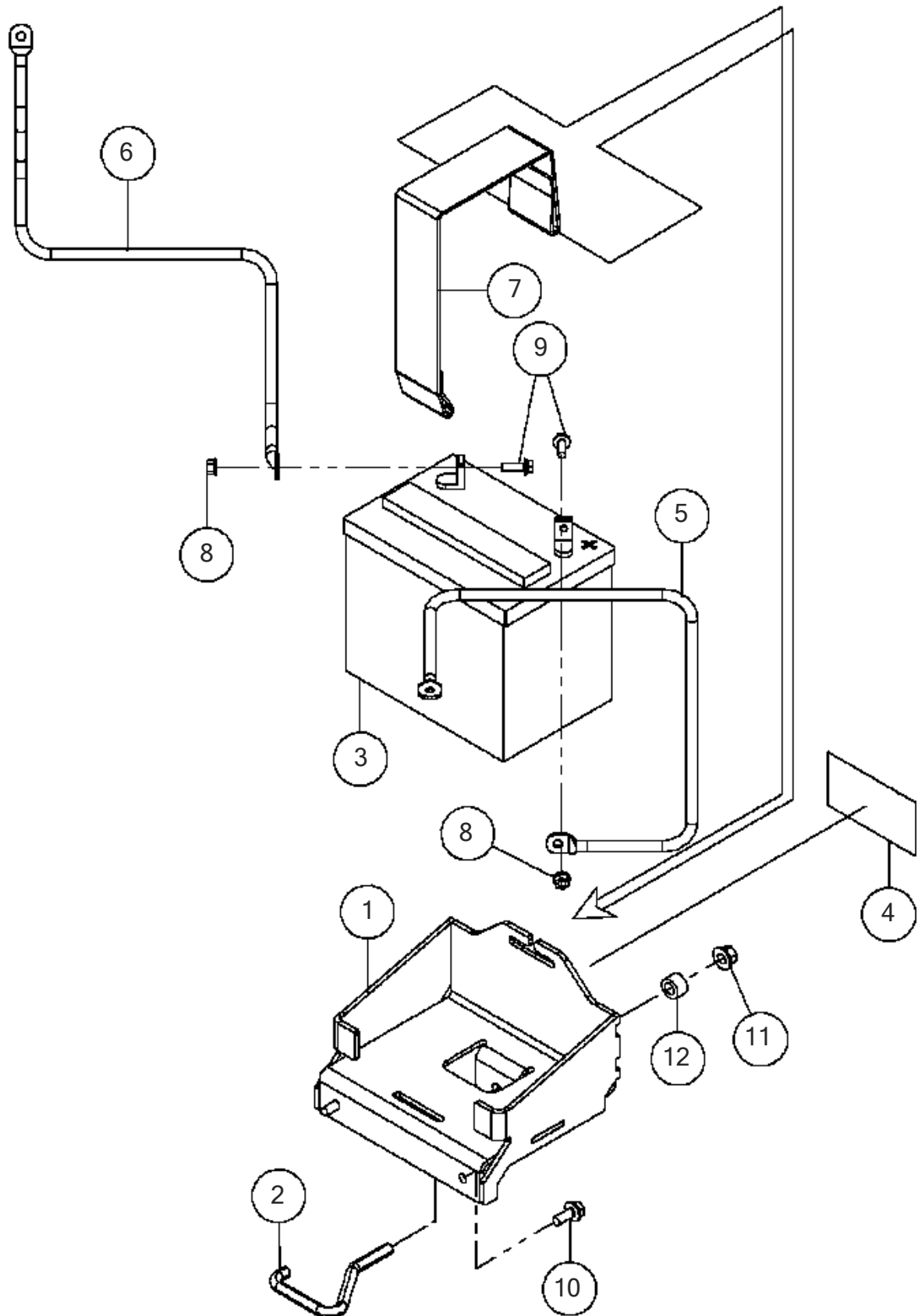
## Fig 07-02

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	163710948	SINGLE KEY SW, ROT, 3POS, PLSTC	1	
2	99042001	NUT-NYLOCK-#10-24-GR2-CZ	2	
3	267451001	SCREW - 10 - 24 X 5/8 SS PHIL PAN MACH S	2	
4	296359016	SWITCH-NO/NC PLUNGER	1	
5	700000162	RELAY - SPDT - WEATHERPROOF/BRACKET	2	

### BATTERY

Fig 07-03

Illustration No. 296359058



**BATTERY**  
**Fig 07-03**

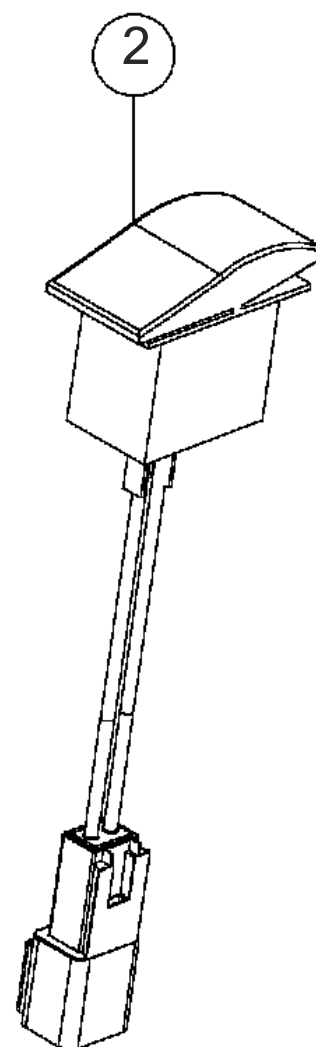
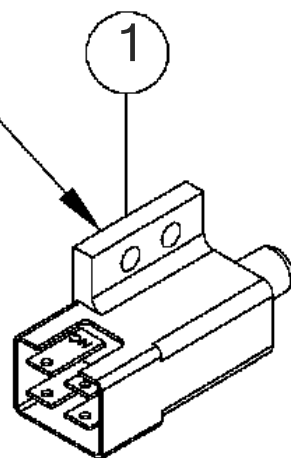
REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296359106	WELDMENT-BATTERY TRAY	1	
2	296359052	HOOK-2.00W X 4.38L X .38-16 UNC	1	
3		BATTERY-SP30 230CCA	1	Not Available (Interstate MT51-R500CCA)
4	7000B024	DECAL - WARNING	1	Domestic
4	7001B024	DECAL - WARNING	1	International
5	263628001	CABLE - BATTERY, POSITIVE	1	
6	263629001	CABLE - BATTERY, NEGATIVE	1	
7	296359059	STRAP POLYPROPYLENE 2.0WX15.5L	1	
8	510313401	NUT-HEXFLGL-.25-20-GR2-YZ	2	
9	510344206	SCREW-FLGWZ-.25-20X.75-GR2-YZ	2	
10	296300762	SCREW-HFS-.31-18X.75-GR8-YZ	2	
11	510315411	NUT-HEXFLGL-.38-16-GR2-YZ	1	
12	296325697	*SPACER SUPPORT	1	

ELECTRICAL-R/S (SN 1258-)

Fig 07-04R01

Illustration No. 296359035

ATTACHING  
HARDWARE SHOWN  
ON FIG. 6-1





ELECTRICAL-R/S (SN 1258-)

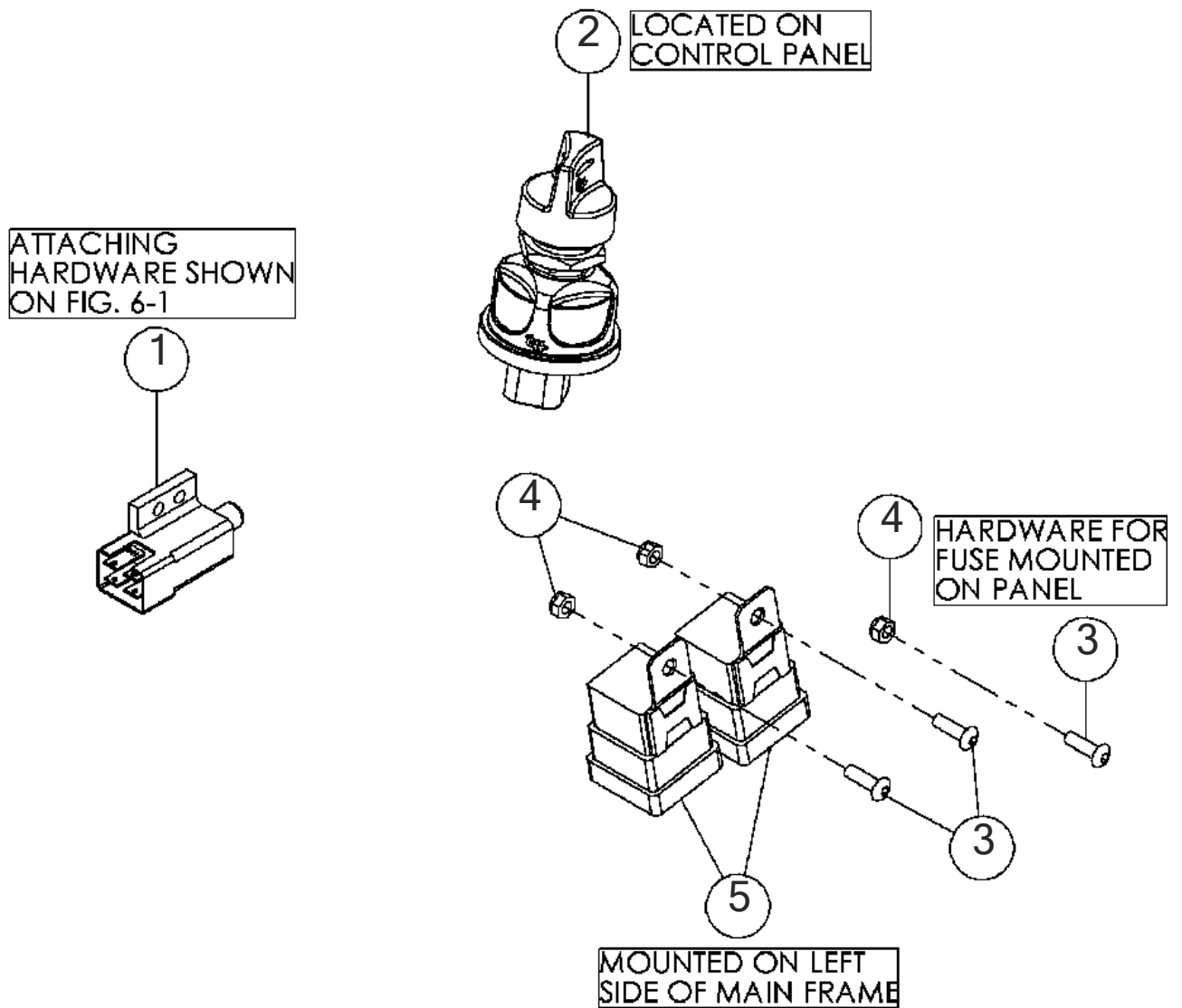
Fig 07-04R01

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296359016	SWITCH-NO/NC PLUNGER	1	Ground Drive Neutral
2	257204001	*SWITCH-SP 2 POSITION RED SN:1258--	1	(1258-)

ELECTRICAL-KHOLER E/S

Fig 07-05

Illustration No. 296359111



## ELECTRICAL-KHOLER E/S

## Fig 07-05

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296359016	SWITCH-NO/NC PLUNGER	1	Ground Drive Neutral
2	296355346	SWITCH IGNITION OFF/IGN/START 95060-04	1	
3	267451001	SCREW - 10 - 24 X 5/8 SS PHIL PAN MACH S	3	
4	99042001	NUT - NYLOCK - 10 - 24 - GR2 - CZ	3	
5	700000162	RELAY - SPDT - WEATHERPROOF/BRACKET	2	

Ground Drive Controls (SN1956-)

Fig 08-01R03

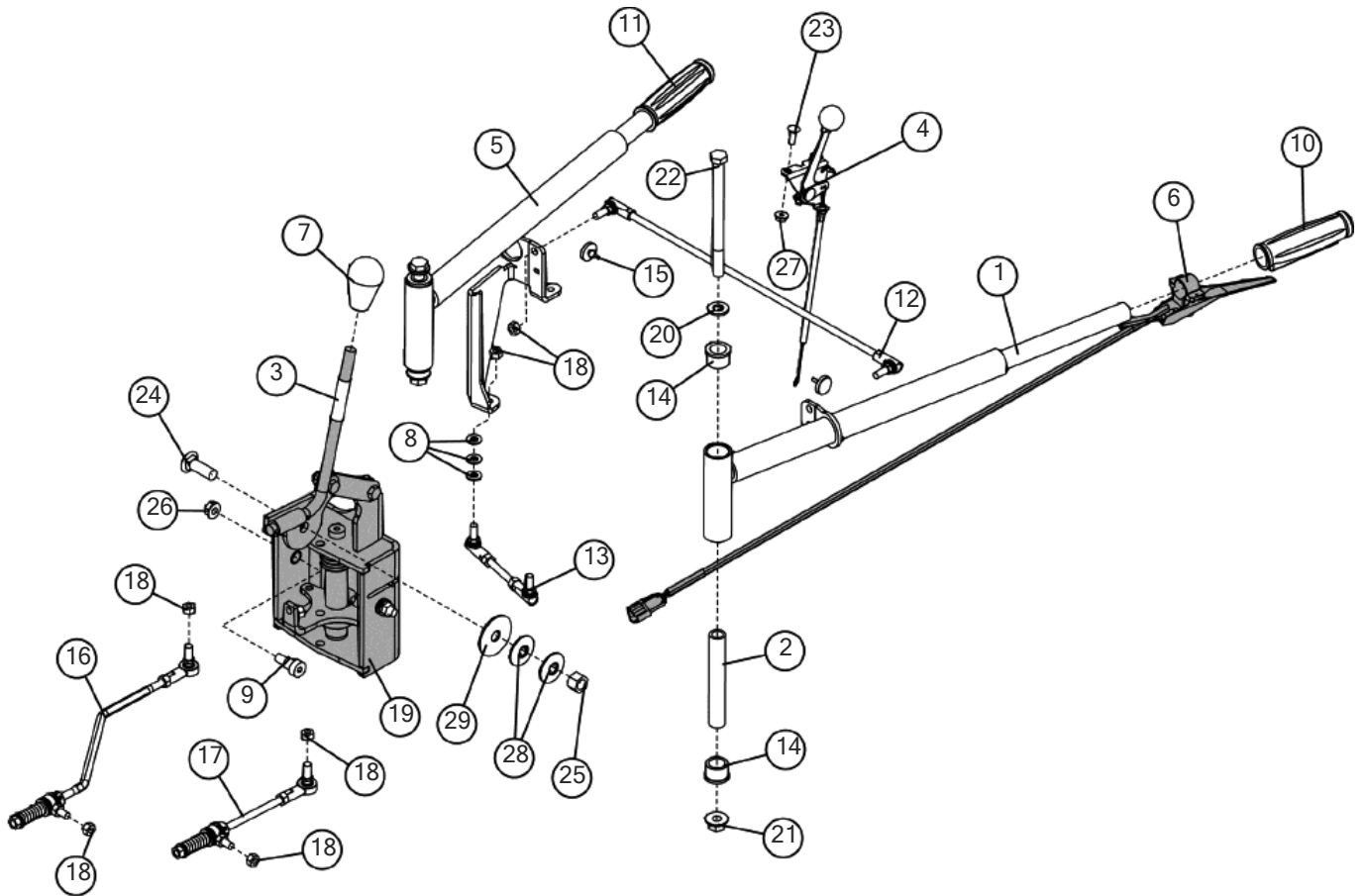


Illustration No: 296312947 - Not For Ordering

## Ground Drive Controls (SN1956-)

## Fig 08-01R03

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	163710257	WELDMENT - STEERING BAR LEFT HAND	1	
2	163710259	TUBE - VZ STEER PIVOT	2	
3	163710606	SHRINK TUBE 1/2 ID - 2.00	1	
4	163713303	THROTTLE ASSY-56" CABLE	1	
5	163724037	WELDMENT - STEERING BAR RIGHT HAND	1	
6	163733454	ASSY-OP PRESENCE HANDLE W/ CONNECTOR	1	
7	223932001	KNOB-#259 OVAL 1/2-13 (ORANGE)	1	
8	235714001	WASHER - 5/16 FLAT, ZN	3	
9	240056001	SCREW-SHSS-.50X.50-.38-16THD-CZ	2	
10	296297235	INTEGRATED GRIP - OPERATOR PRESENCE	1	
11	296297236	STYLIZED GRIP - 7/8" ID	2	
12	296304397	ASSEMBLY-STEERING BAR LINKAGE	1	
13	296304399	ASSEMBLY-REAR PISTON PUMP LINKAGE	1	
14	296304467	FLANGE BUSHING-BRONZE .753" ID X 1.0" OD X 3/16	4	
15	296307022	GROMMET - RUBBER PUSH-IN; 0.88 OD X 0.17 THICK	2	
16	296359032	ASSEMBLY - FRONT PISTON PUMP LINKAGE	1	
17	296359033	ASSEMBLY - REAR PISTON PUMP LINKAGE	1	
18	296359073	NUT HEXCTRLOCK .31-24-CZ	8	
19	296369840	ASSEMBLY - CONTROLLER RTX100/RTX150	1	
20	506046012	WASHER-FLAT+M12 -ZN+D+125A	2	
21	507085012	NUT-HEXFLNG LOCK, M12-1.75,10.9,YZ,D6927	2	
22	507093160	SCREW-HCS,M12-1.75X160,8.8,YZ,ISO4014,PT	2	
23	510308156	BOLT-CARG-.25-20X.75-GR5	2	
24	510310114	BOLT-CARG-.50-13X1.50-GR5-YZ	1	
25	510317501	NUT-TLHEX-.50-13-B-YZ	1	
26	510352503	NUT-SMFLGTL-.38-16-F-YZ	2	
27	510352505	NUT-SMFLGTL-.25-20-G-YZ	2	
28	63471001	SPRING-BELLEVILLE 1/2"IDX.070 - YZ	2	
29	67892001	DISC-THROTTLE FRICTION	1	

Controller (SN 1262-)

Fig 08-02R01

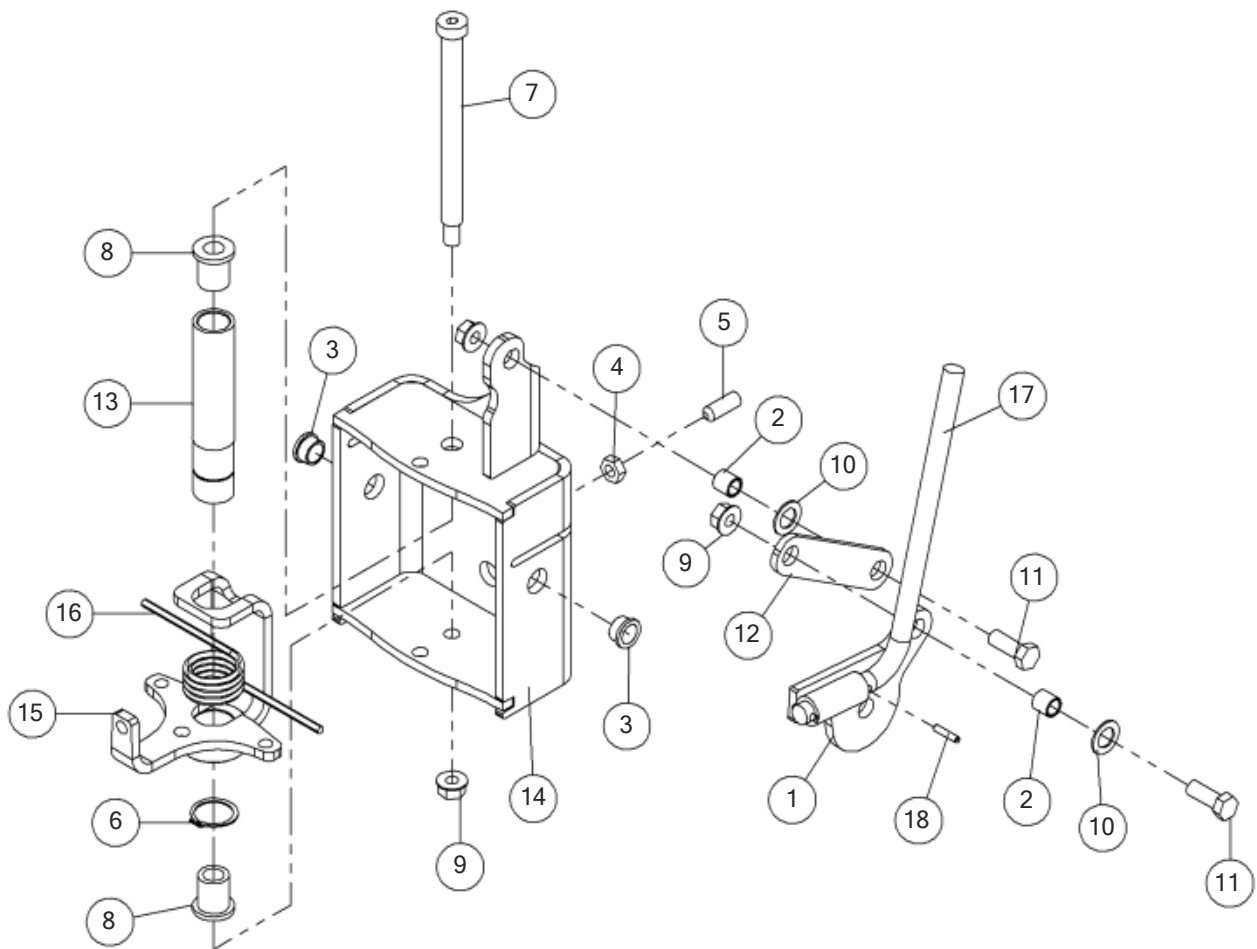


Illustration No: 296369840 - Not For Ordering

## Controller (SN 1262-)

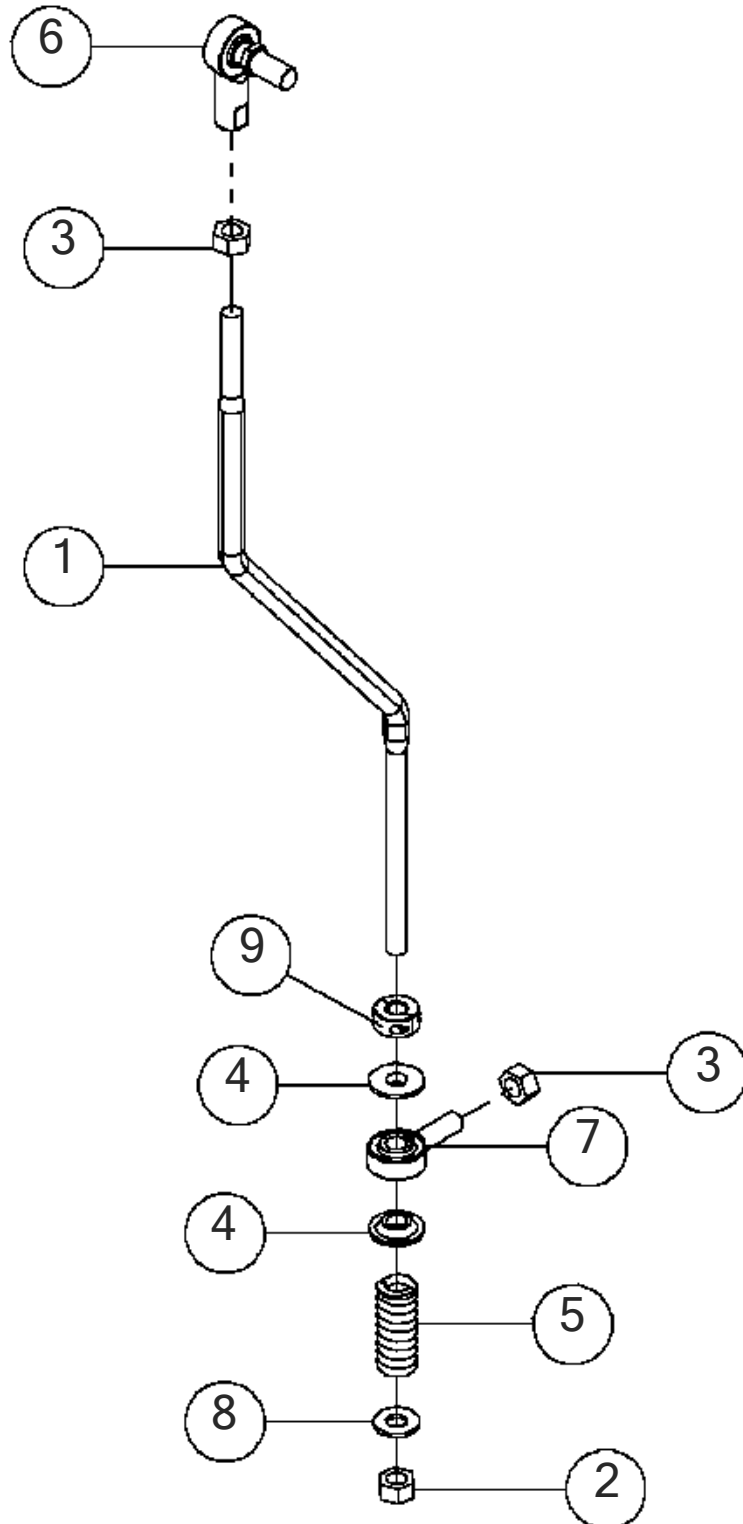
## Fig 08-02R01

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	163724033	WELDMENT - PUMP FRICTION CONTROL	1	
2	269599001	BRONZE BUSHING 1/2 OD X 3/8 ID - 1/2"	2	
3	296369831	BUSHING - FLG - .50ID X .625OD - .375 - BRONZE	2	
4	250576001	NUT-3/8 NC HEX JAM W/Y-ZINC	2	
5	293848001	SOC SET SCREW - 3/8-16 X 1 LG	2	
6	600100	SNAP RING-#5100 EXT 1"	1	
7	296369818	SCREW-SHSS-.38X16-.63-NA-PLN-.50X5.50-SHLDR	1	
8	224703001	BRZ BUSHING-.753 X.502-1.00	2	
9	510352503	NUT-SMFLGTL-.38-16-F-YZ	3	
10	510353625	WASHER-MCHBSHG-.50-.53X.88-18G-YZ	2	
11	510302010	SCREW-HCS-.38-16X1.00-GR5-YZ	2	
12	296312986	PLATE - GROUND DRIVE LINKAGE RTX100	1	
13	296369802	CONTROLLER SHAFT	1	
14	163710264	WELDMENT - VZ STEER CONTROLLER	1	
15	296369805	SHAFT WELDMENT	1	
16	296369806	SPRING - TORSION 1.08 I.D.	1	
17	163724034	BAR-GROUND DRIVE HANDLE	1	
18	1978023	PIN-ROLL 5/32X3/4	2	

PISTON PUMP LINKAGE-FRONT

Fig 08-03

Illustration No. 296359032





## PISTON PUMP LINKAGE-FRONT

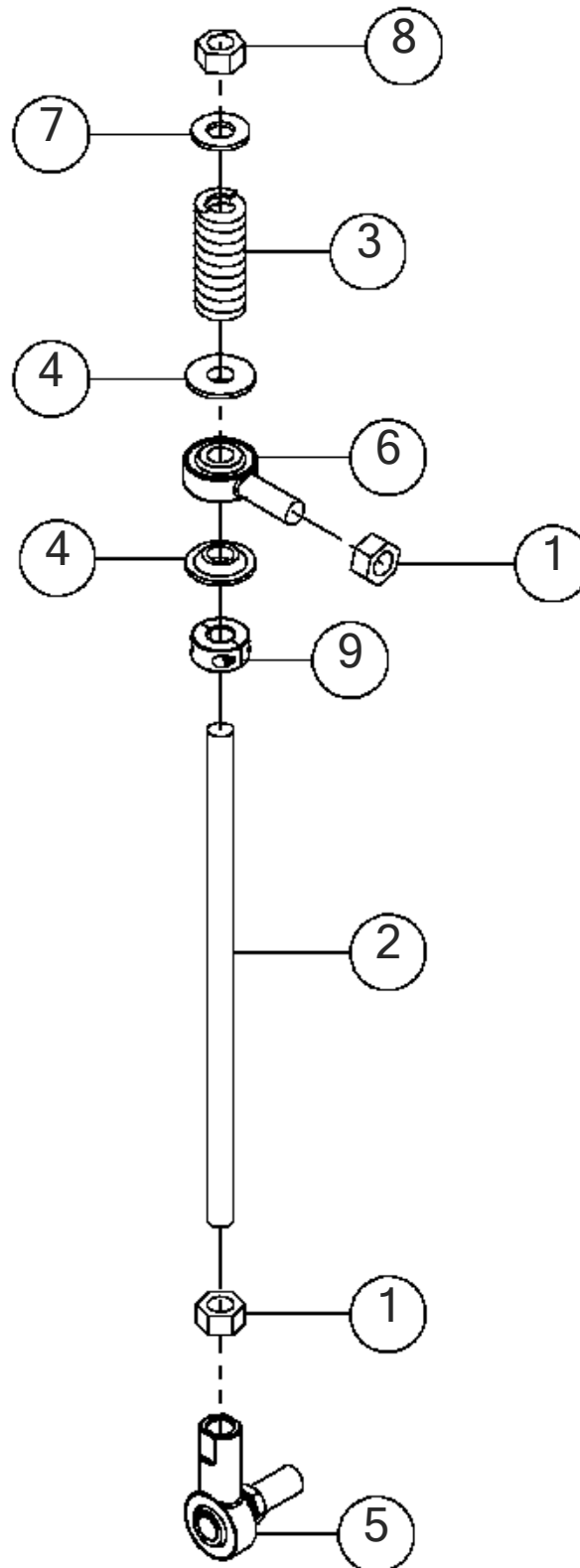
Fig 08-03

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296359031	LINKAGE ARM-FRONT PISTON PUMP	1	
2	296359073	NUT HEXCTRLOCK .31-24-CZ	1	
3	250521001	*NUT - 5/16 NF Gr8 Y/ZINC	2	
4	296359070	WASHER 5/16" SAFETY	2	
5	296359069	SPRING 1.5LX.344IDX.625ODX57LB	1	
6	296359072	ROD END 5/16" SPHERICAL FEMALE W/STUD	1	
7	296359071	ROD END 5/16" SPHERICAL MALE	1	
8	235714001	WASHER - FLATSTRL - .31 - .34 X .69 - .06-YZ-A325	1	
8	(510360631)	WASHER-FLATSAEHARD-.31-.34X.69-.06-YZ-A325		
9	296359063	COLLAR 5/16' SHAFT(2PIECE)	1	

PISTON PUMP LINKAGE-REAR

Fig 08-04

Illustration No. 296359033



## PISTON PUMP LINKAGE-REAR

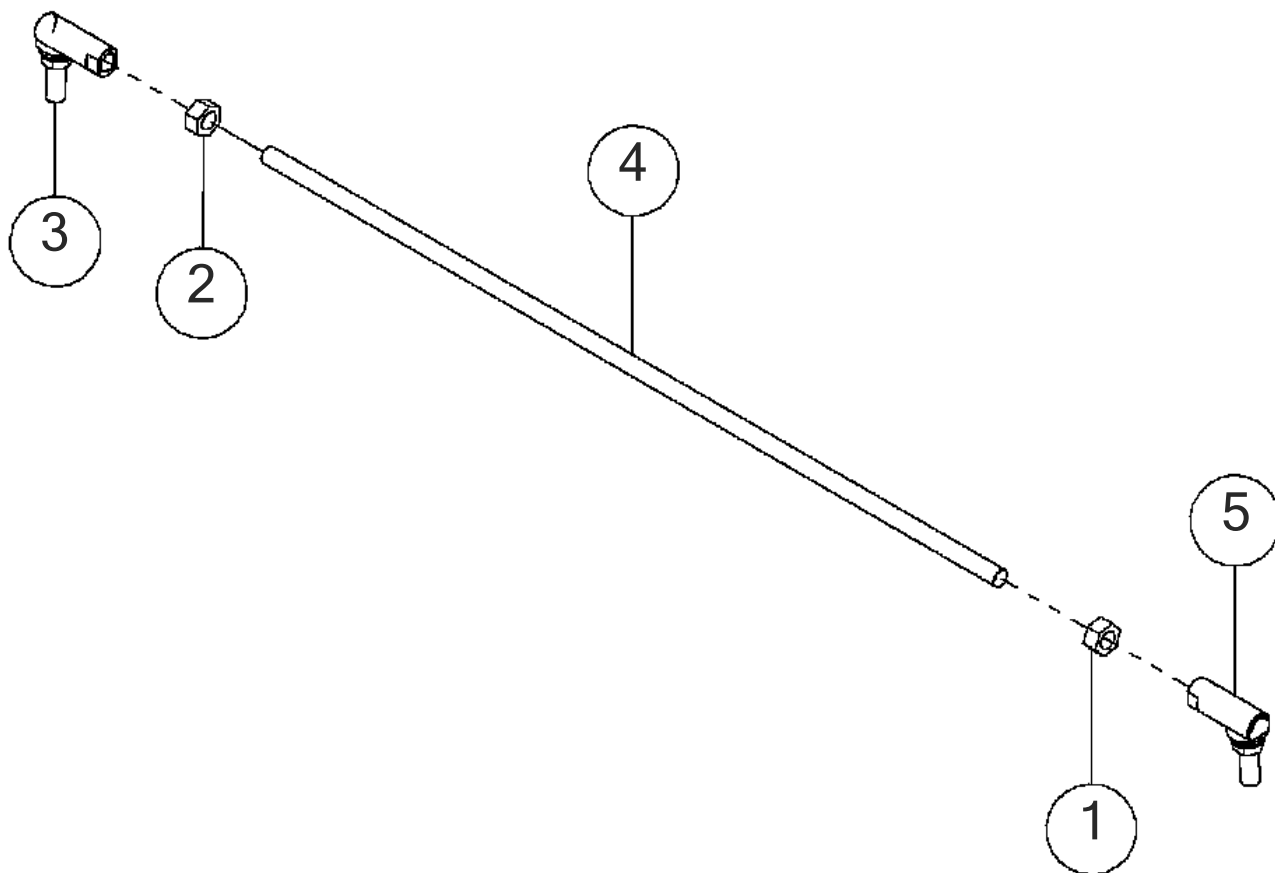
Fig 08-04

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	250521001	*NUT - 5/16 NF Gr8 Y/ZINC	2	
2	296359048	LINKAGE ARM-REAR PISTON PUMP	1	
3	296359069	SPRING 1.5LX.344IDX.625ODX57LB	1	
4	296359070	WASHER 5/16" SAFETY	2	
5	296359072	ROD END 5/16" SPHERICAL FEMALE W/STUD	1	
6	296359071	ROD END 5/16" SPHERICAL MALE	1	
7	235714001	WASHER - FLATSTRL - .31 - .34 X .69 - .06-YZ-A325	1	
7	(510360631)	WASHER-FLATSAEHARD-.31-.34X.69-.06-YZ-A325		
8	296359073	NUT HEXCTRLOCK .31-24-CZ	1	
9	296359063	COLLAR 5/16' SHAFT(2PIECE)	1	

STEERING BAR LINKAGE

Fig 08-05

Illustration No. 296304397



**STEERING BAR LINKAGE****Fig 08-05**

<b>REF NO.</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>	<b>QTY.</b>	<b>REMARKS</b>
1	250521001	NUT - 5/16 NF Gr8 Y/ZINC	1	
2	296304404	NUT-HEX-.31-24-GR8-YZ-LH	1	
3	274971001	BALL JOINT-5/16-24 LH THREAD	1	
4	274974001	THREAD ROD - 16.5"	1	
5	274972001	BALL JOINT-5/16-24 RH THREAD	1	

SPRING CENTER LINKAGE (SN 1262-) (DELETED)

Fig 08-06R01

Illustration No. 296304401

**DELETED NOT IN CURRENT  
PRODUCTION, SEE FIG. 8-1**

SPRING CENTER LINKAGE (SN 1262-) (DELETED)

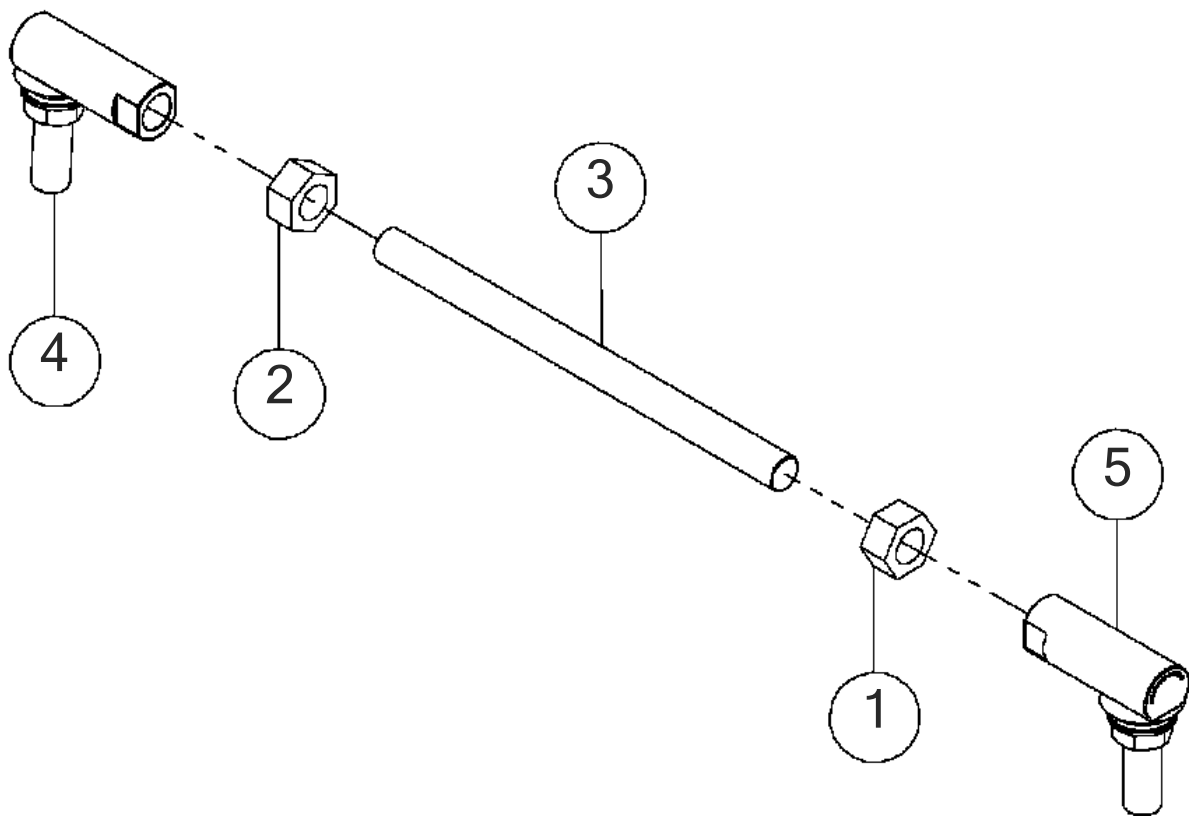
Fig 08-06R01

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
		DELETED NOT IN CURRENT PRODUCTION, SEE FIG. 8-1		

REAR PISTON PUMP LINKAGE

Fig 08-07

Illustration No. 296304399





## REAR PISTON PUMP LINKAGE

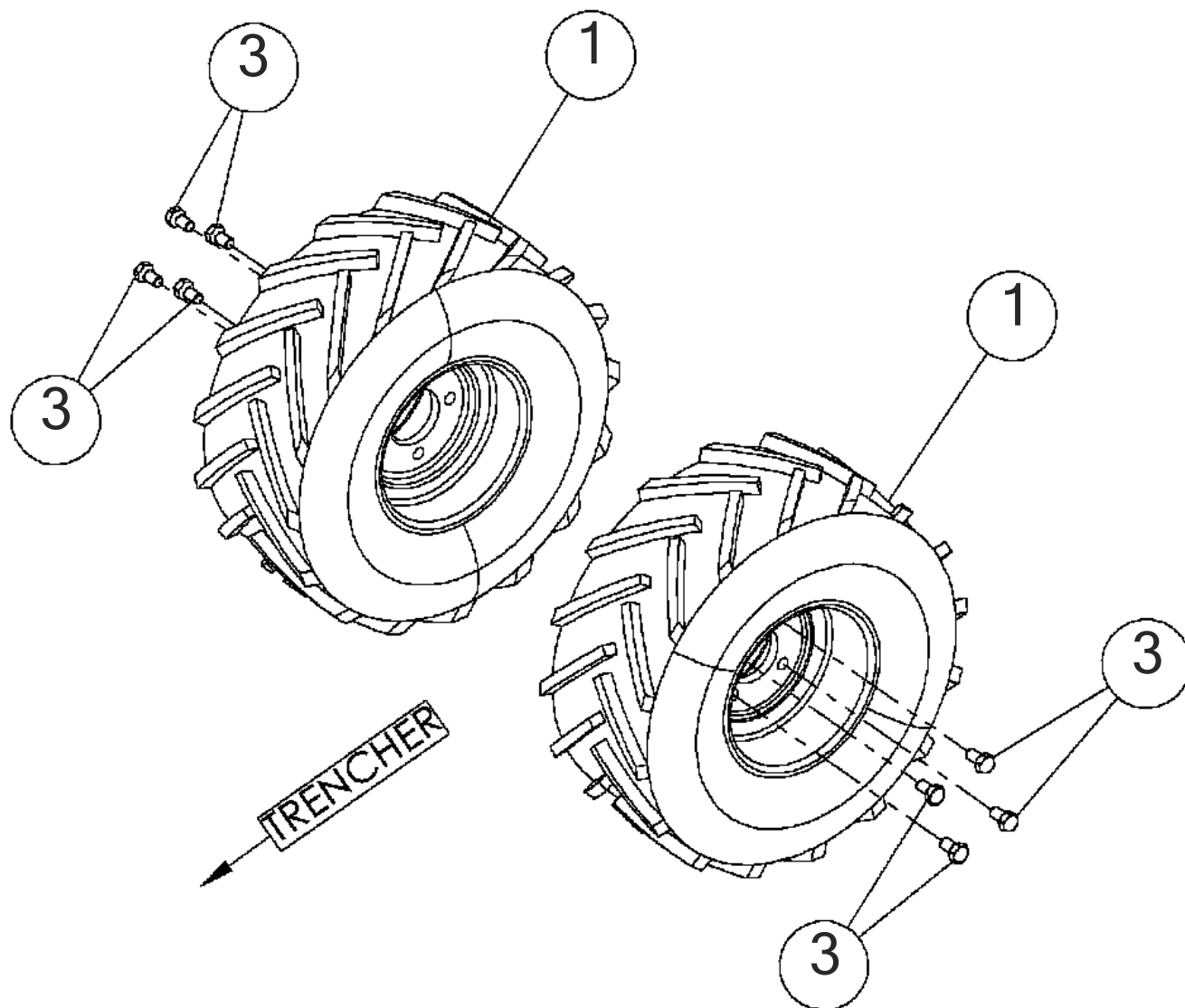
Fig 08-07

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	250521001	NUT - 5/16 NF Gr8 Y/ZINC	1	
2	296304404	NUT-HEX-.31-24-GR8-YZ-LH	1	
3	274976001	THREADED ROD-5/16-24-4.50	1	
4	274971001	BALL JOINT-5/16-24 LH THREAD	1	
5	274972001	BALL JOINT-5/16-24 RH THREAD	1	

STANDARD TIRE

Fig 09-01

Illustration No. 296304308



## STANDARD TIRE

## Fig 09-01

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	243269001	WHEEL ASSY -18/9.5-8 RIGHT	1	Include Following 2 Items:
1	224734003	WHEEL	2	
1	243267001	TIRE-18X9.50-8 LUG	2	
2	243268001	WHEEL ASSY-18/9.50-8 LEFT	1	Include Following 2 Items:
3	1644007	BOLT-1/2-20NF X 3/4 LUG	8	

### Track System

Fig 09-02

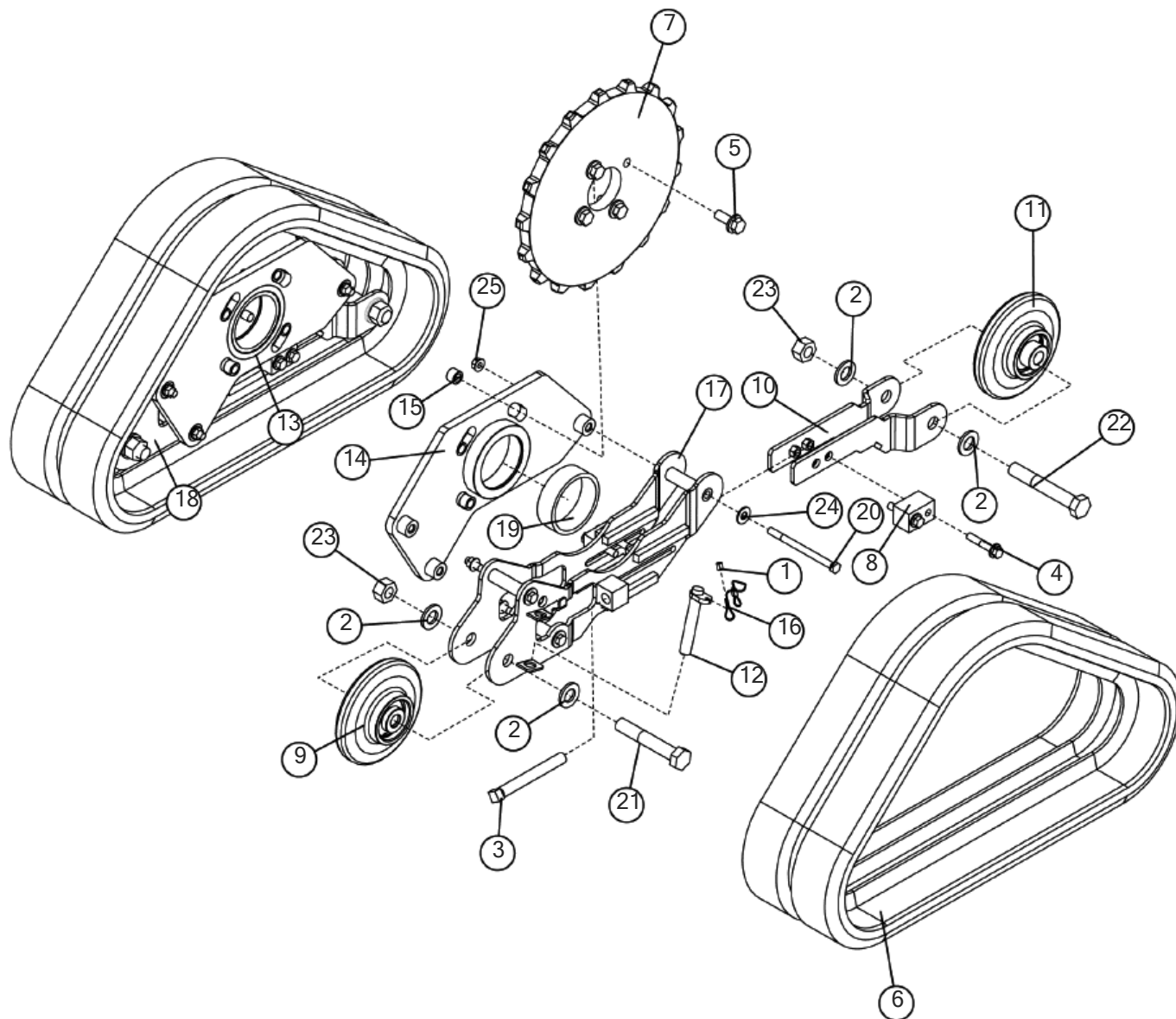


Illustration No. 296359041- Not For Ordering

## Track System

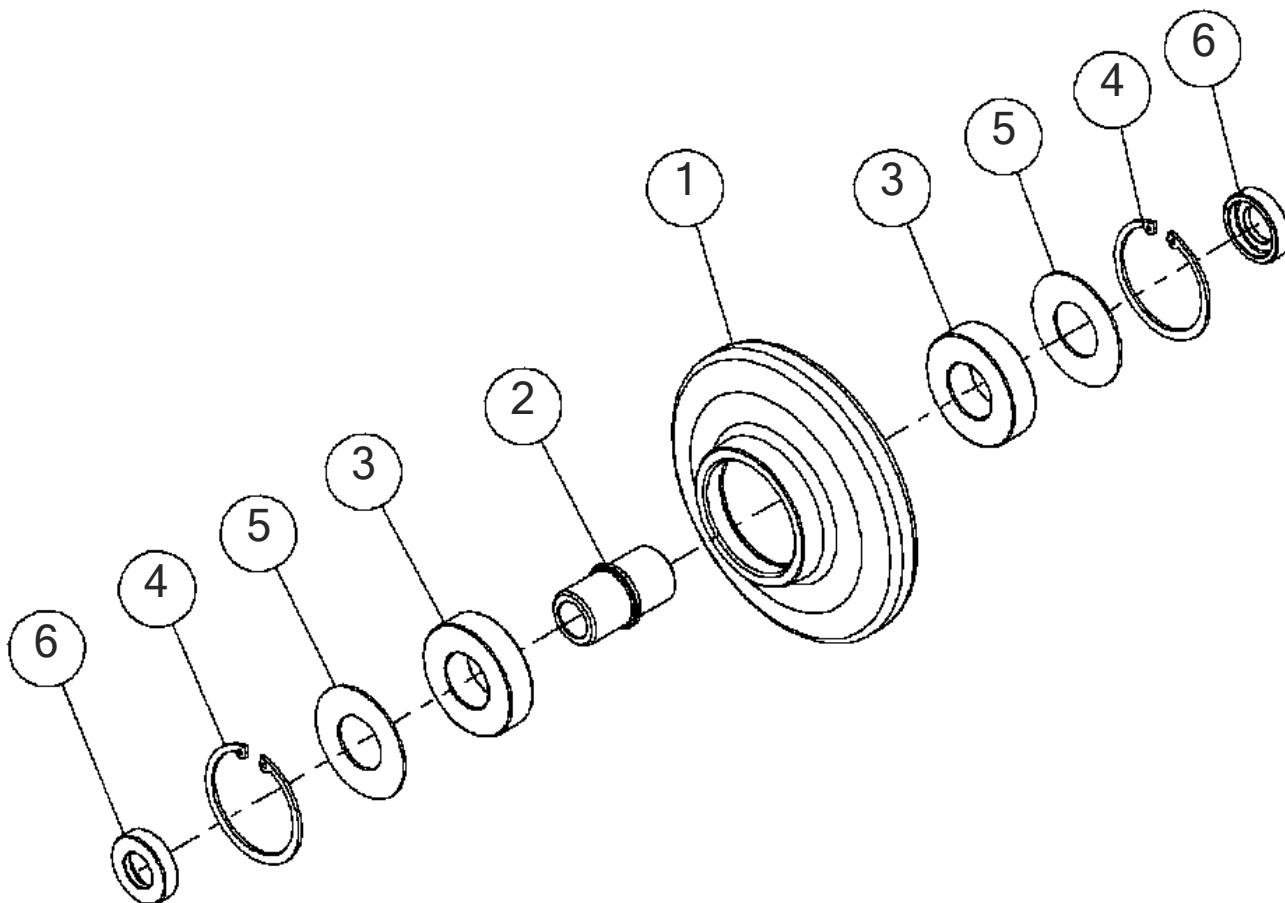
## Fig 09-02

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	142423001	CRIMP-CABLE (FOR.068DIA.CABLE)	2	
2	235717001	WASHER - 3/4" HARDENED FLAT YZ	8	
3	243773001	SCREW-51B-11 X 5 SQ. HD.PLATED	2	
4	296300776	SCREW HFS .38 16 X 2.00 GR8 YZ	8	
5	296300827	SCREW-HFS-.50-20X1.25-GR8-YZ	8	
6	296304305	TRACK-180X28X60	2	
7	296304439	SPROCKET 17T - MINITRACK	2	
8	296304449	BAR - TENSION SLIDER MINITRACK	4	
9	296304450	ASSY - FRONT TRACK IDLER	2	
10	296304452	WELDMENT - TENSIONER MINITRACK	2	
11	296304471	ASSY - REAR TRACK IDLER	2	
12	296304499	WELDMENT - TRACK BRAKE PIN	1	
13	296312998	WELDMENT-RHS TRACK MOUNT	1	
14	296312999	WELDMENT-LHS TRACK MOUNT	1	
15	296318408	TUBE - SPACER	8	
16	296330257	CABLE-.068 DIA.NYLON COATED 6IN	1	
17	296359004	WELDMENT - LHS TRACK CARRIAGE MINITRACK	1	
18	296359005	WELDMENT - RHS TRACK CARRIAGE MINITRACK	1	
19	296359015	BUSHING-COMPOSIT 3.25 I.D.	2	
20	510302050	SCREW HCS .38 16 X 5.00 GR5 YZ	6	
21	510307044	SCREW-HCS-.75-10X4.50-GR5-YZ	2	
22	510307050	SCREW - HCS - .75-10 X 5.00-GR5-YZ	2	
23	510321501	NUT-TLHEX-.75-10-B-YZ	4	
24	510337607	WASHER-FLATSTD-.38-.44X1.00-.08-YZ	6	
25	510352504	NUT - SMFLGTL - .38-16 - G - YZ	6	

FRONT TRACK IDLER

Fig 09-03

Illustration No. 296304450



## FRONT TRACK IDLER

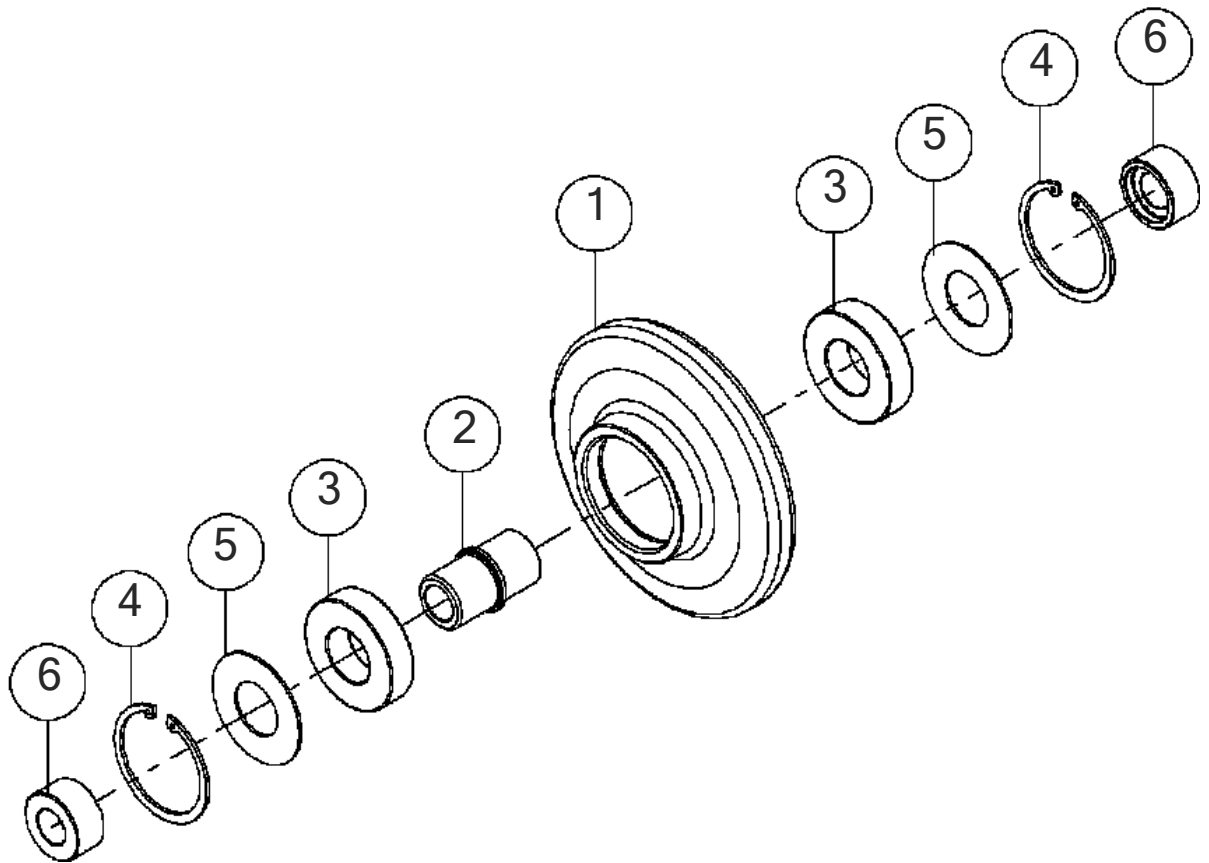
Fig 09-03

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296295505	IDLER-MACHINED	1	
2	296304454	PIN - IDLER MINITRACK IDLER	1	
3	502467001	BEARING 6206 2RS1	2	
4	502468001	SNAP RING N5000-244	2	
5	296304458	SHIELD - BEARING MINITRACK IDLER	2	
6	296304461	SPACER - IDLER TUBE MINITRACK IDLER	2	

REAR TRACK IDLER

Fig 09-04

Illustration No. 296304471





## REAR TRACK IDLER

Fig 09-04

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296295505	IDLER-MACHINED	1	
2	296304454	PIN - IDLER MINITRACK IDLER	1	
3	502467001	BEARING 6206 2RS1	2	
4	502468001	SNAP RING N5000-244	2	
5	296304458	SHIELD - BEARING MINITRACK IDLER	2	
6	296295515	TUBE - SPACER	2	

### Single Point Lift Bracket

Fig 09-05

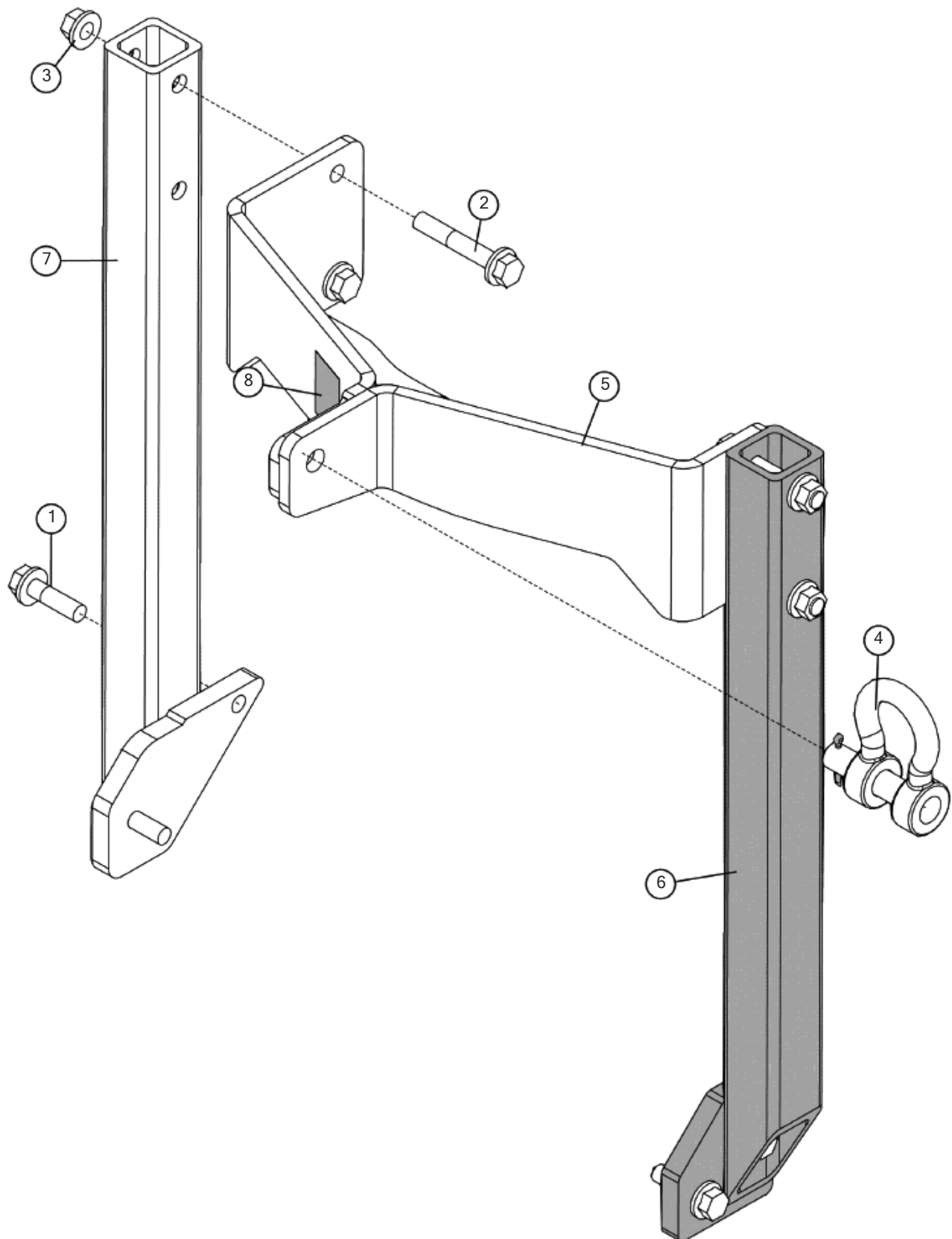


Illustration No. 296410116- Not For Ordering

## Single Point Lift Bracket

## Fig 09-05

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296300791	SCREW-HFS-.50-13X1.75-GR8-YZ	4	
2	296300796	SCREW-HFS-.50-13X3.00-GR8-YZ	4	
3	296300851	NUT-HEXFLGTL-.50-13-G-YZ	4	
4	296410119	SHACKLE	1	
5	296413507	WELDMENT - LIFT NECK	1	
6	296413513	WELDMENT - LEFT LIFTING SUPPORT ARM	1	
7	296413516	WELDMENT - SUPPORT ARM, RIGHT	1	
8	7000I445	DECAL-LIFT POINT	1	

Backfill Blade

Fig 10-01

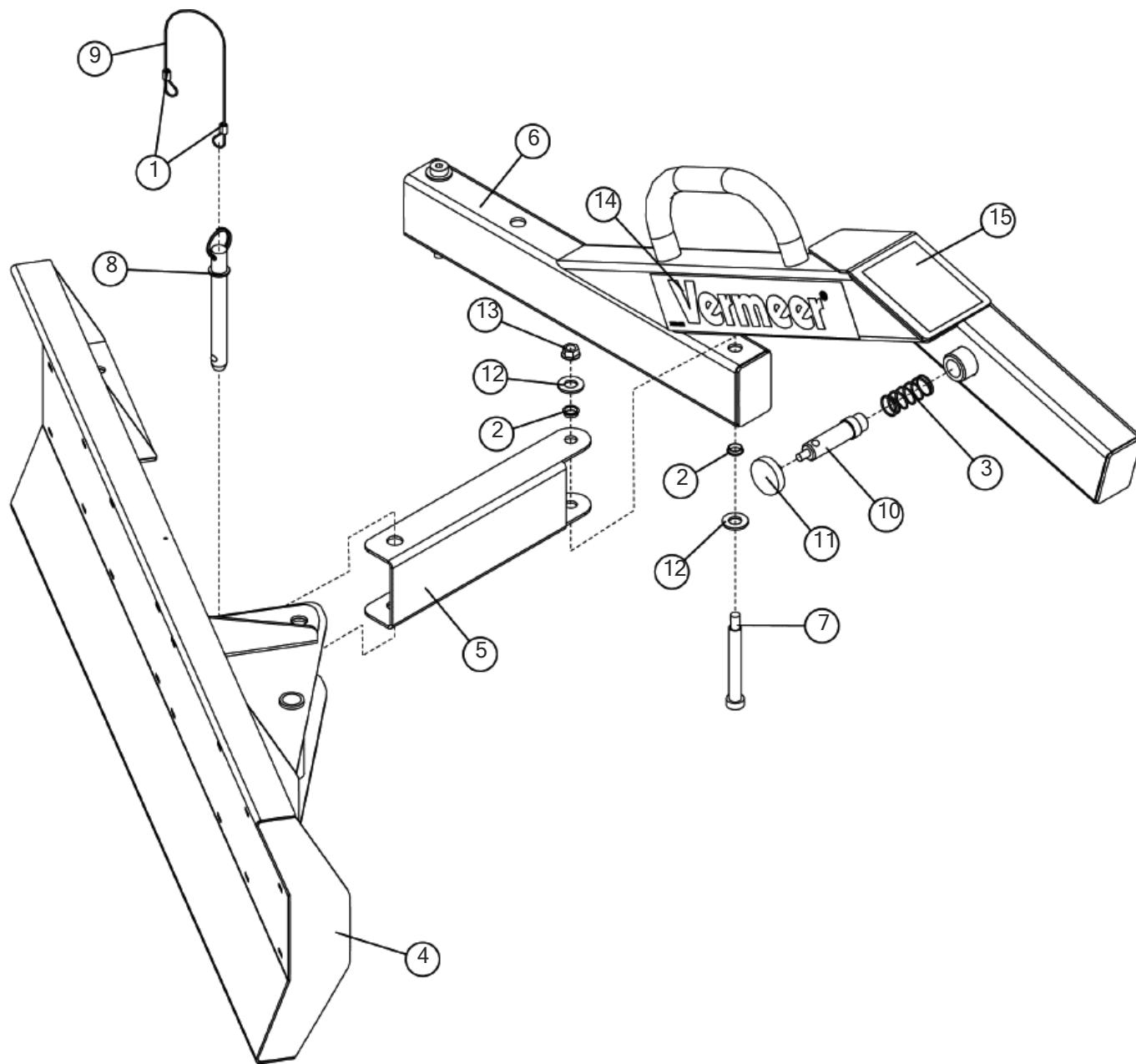


Illustration No. 296312849- Not For Ordering

## Backfill Blade

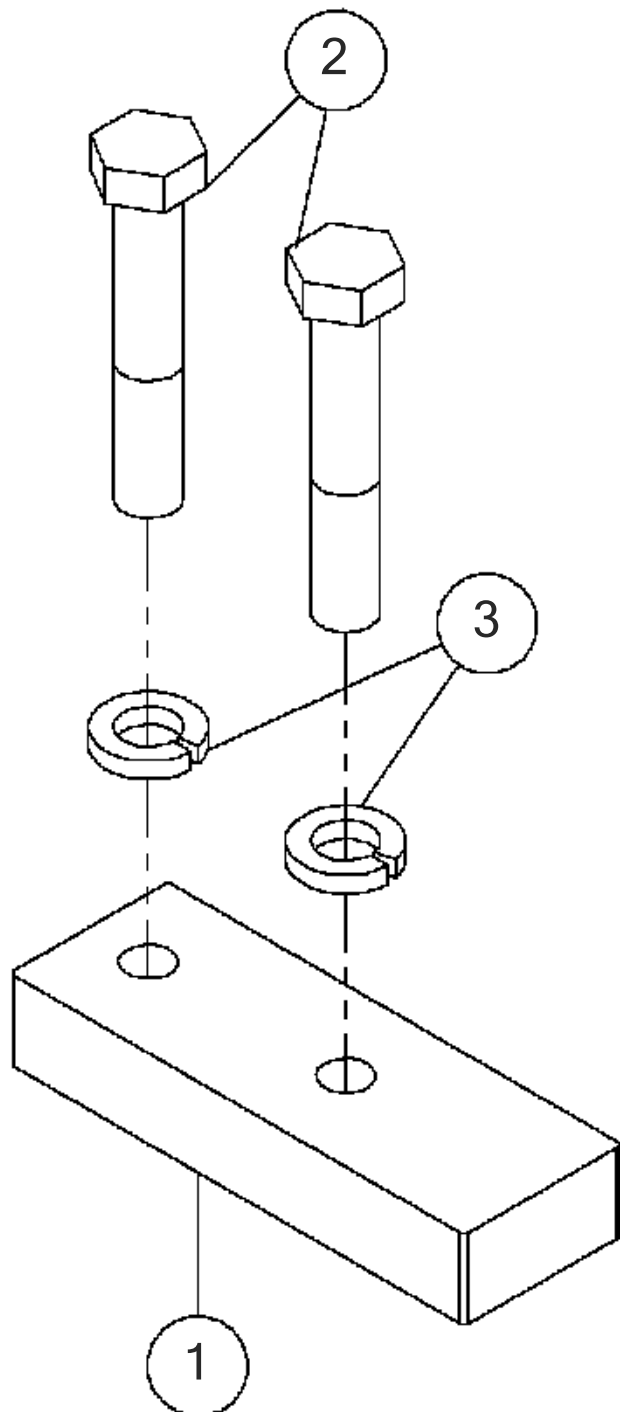
## Fig 10-01

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	142423001	CRIMP-CABLE (FOR.068DIA.CABLE)	2	
2	144795001	BUSHING-PLASTIC SPLIT 1/2ID X .2	4	
3	261665001	SPRING-COMPRESSION .78 ID X.062 WIRE-2.0	1	
4	296312851	SUBWELD BLADE 40in	1	
5	296312856	BRACE-BACKFILL BLADE	1	
6	296312859	SUBWELD-BACKFILL BLADE ARM	1	
7	296312870	SCREW - SHSS - .38-16NA-NA-PLN-.50X3.50-SHLDR	2	
8	296312871	PIN-DETENT .625 X 4.00	1	
9	296312872	CABLE-.068 X 18"	1	
10	296312878	PIN-PLUNGER LOCK	1	
11	296312889	KNOB - 1.57 DIA, 5/16-18 INSERT (BLACK)	1	
12	485025	WASHER-1/2 FLAT-HARDENED-YZ	4	
13	510352503	NUT-SMFLGTL-.38-16-F-YZ	2	
14	7000A672	DECAL-VERMEER	1	
15	700IF239	DECAL - BACKFILL BLADE INSTALLATION PROCEDURE	1	

Backfill Blade Spacer

Fig 10-02

Illustration No. 296312896



Backfill Blade Spacer

Fig 10-02

REF NO.	PART NO.	DESCRIPTION	QTY.	REMARKS
1	296312862	SPACER-BOOM BLOCK	1	
2	366034	BOLT-5/8-11X3 1/2 GRADE#5 HEX	2	
3	480015	WASHER-5/8 S/T LOCK	2	







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