

6 INCH CHIPPER PARTS MANUAL

CH6627H

Briggs & Stratton Vanguard®

P/N: 78664-00

Revision: 20230601

VIN Range: 5VJAA0411NW007009 - Current

Companion to P/N: 78614-00



BEARCATPRODUCTS.COM// 888.625.4520

ENGLISH



WARNING: Cancer and Reproductive Harm
www.P65Warnings.ca.gov

Before You Begin

FOR MACHINE SERVICE OR PARTS

For service assistance, contact your nearest authorized Crary Bear Cat dealer or the factory. For parts, contact your authorized dealer. The parts manual for your machine is available at bearcatproducts.com/Product-Support/Find-A-Product-Manual. Your dealer will need to know the serial number of your machine to provide the most efficient service. See below for information on how to identify and record the serial number for your machine.

FOR ENGINE SERVICE OR PARTS

For engine service or parts, contact your nearest authorized engine dealer. Crary Bear Cat does not handle any parts, repairs or warranties for engines.

ORDERING PARTS

Only genuine Crary Bear Cat replacement parts should be used to repair the machine. Replacement parts manufactured by others could present safety hazards, even though they may fit on this machine. Replacement parts are available from your Crary Bear Cat dealer.

Provide the following when ordering parts:

- The SERIAL NUMBER of your machine.
- The PART NUMBER of the part.
- The PART DESCRIPTION.
- The QUANTITY needed.

IDENTIFICATION NUMBER LOCATION

Your machine will have a vehicle identification number (VIN). VINs are located on the left side of the trailer frame near the hitch. They are 17-digit numbers of the format: 5VJAA001XXWXXXXXX. For the exact location of the VIN, see the parts manual available at bearcatproducts.com/Product-Support/Find-A-Product-Manual.

Record your identification number in the space provided.

VEHICLE IDENTIFICATION NUMBER

MANUFACTURED BY/FABRIQUE PAR: CRARY INDUSTRIES, INC.	
FABRIQUE/MFR'D DATE:	PNEU/TIRE:
PNB/JGWR:	JANTE/RIM:
PNBE/JGWR:	PRESS DE GONF A FROID/COLD INFL:
THIS VEHICLE CONFORMS TO ALL APPLICABLE STANDARDS PRESCRIBED UNDER THE UNITED STATES AND CANADIAN MOTOR VEHICLE SAFETY REGULATIONS IN EFFECT ON THE DATE OF MANUFACTURE. CE VEHICULE EST CONFORME A TOUTES LES NORMES QUI LUI SONT APPLICABLES EN VERTU DU REGLEMENT SUR LA SECURITE DES VEHICULES AUTOMOBILES DES ETATS UNIS ET DU CANADA EN VIGUEUR A LA DATE DE SA FABRICATION.	
V.I.N./N.I.V.: 5VJAA001--W-----	TYPE/TYPE DE VEHICULE: TRA/REM

HOW TO CONTACT Crary Bear Cat

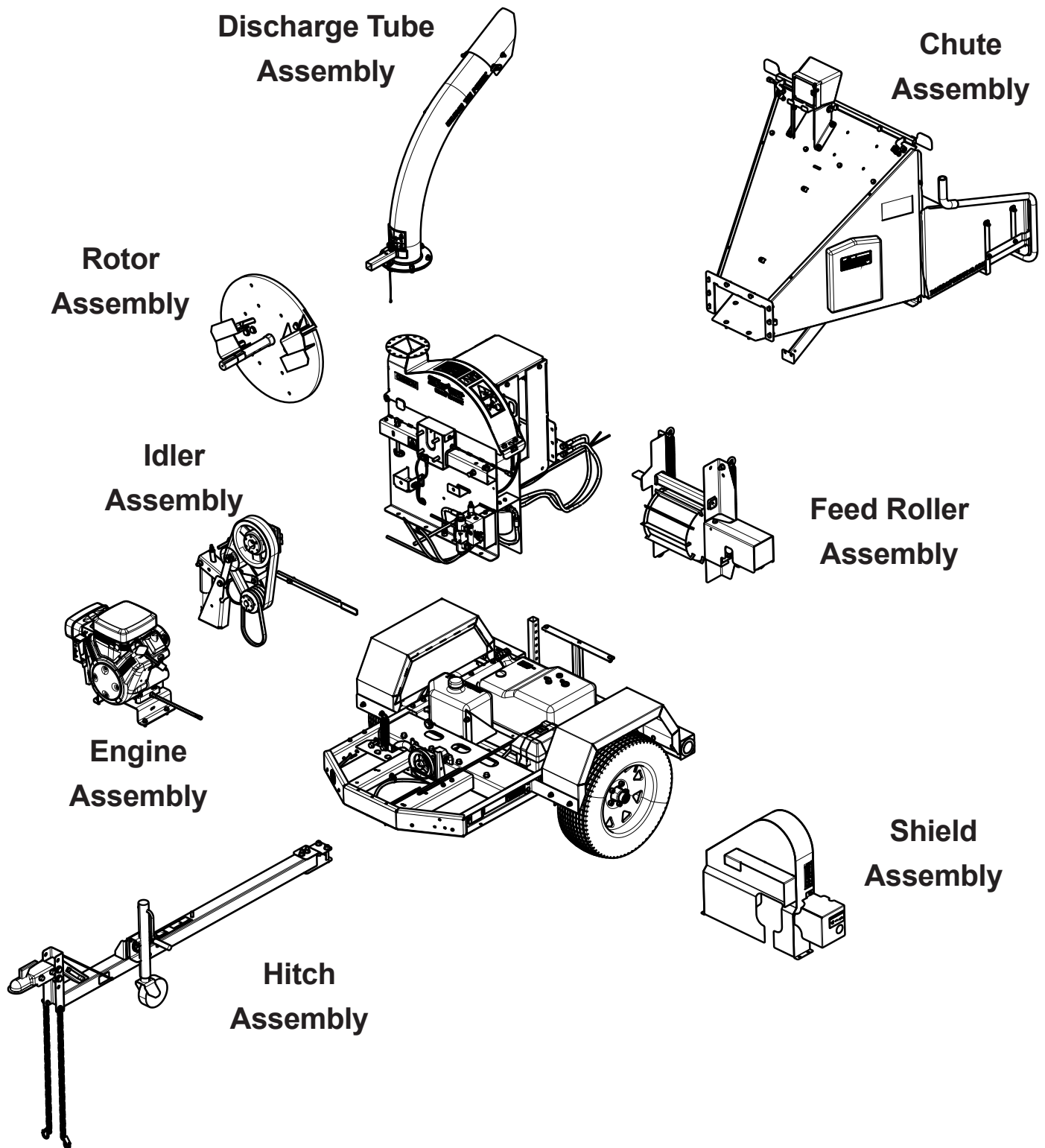
ADDRESS	PHONE	E-MAIL	HOURS
237 NW 12th Street P.O. Box 849 West Fargo, ND 58078	888-625-4520 701-282-5520 Fax: 701-282-9522	sales@bearcatproducts.com service@bearcatproducts.com	Monday - Friday 8 a.m. to 5 p.m. Central Time

TABLE OF CONTENTS

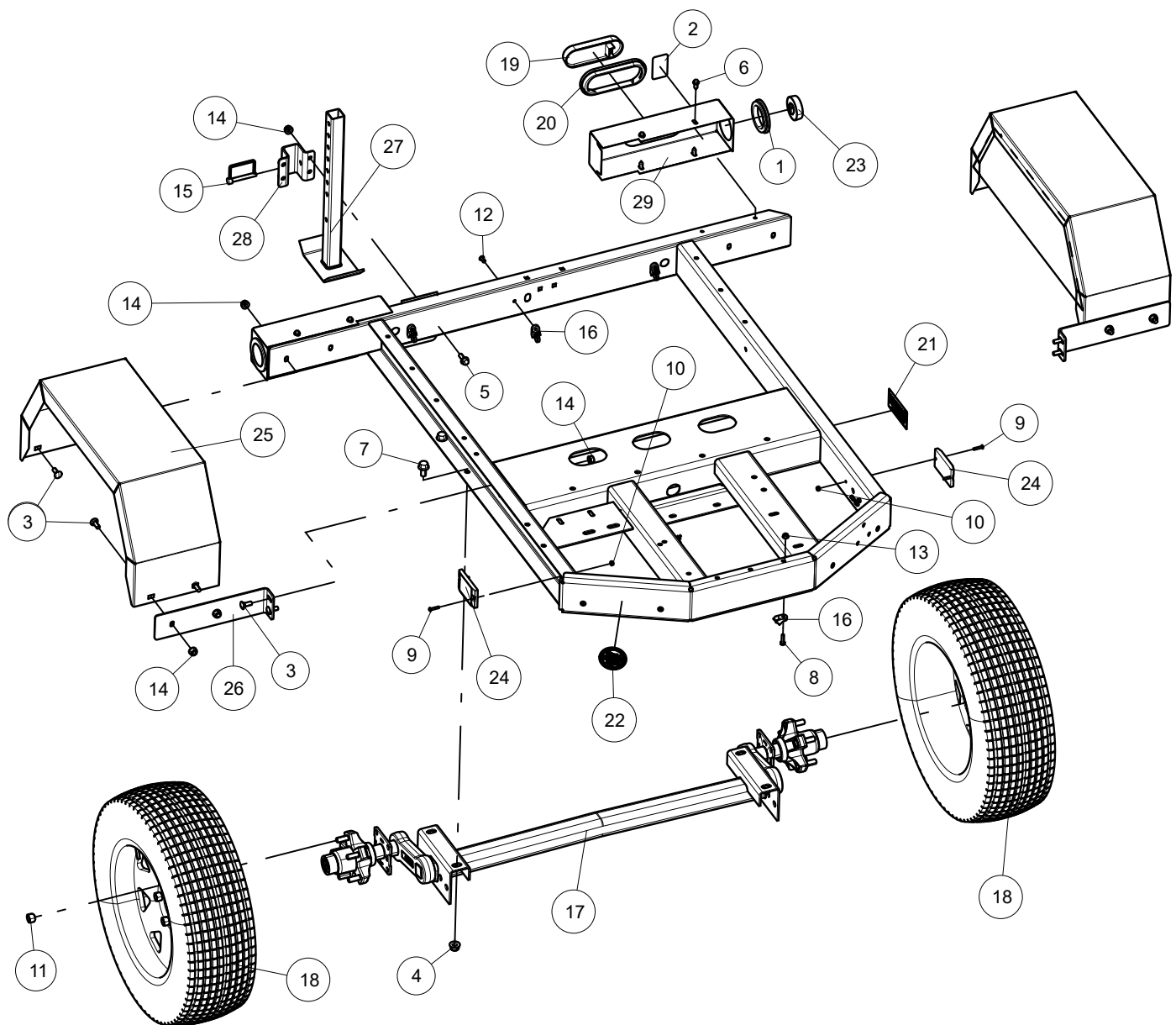
EXPLODED VIEW.....	1
FRAME (Drawing #1).....	2
FRAME (Drawing #2).....	4
HITCH	6
HOUSING (Drawing #1).....	8
HOUSING (Drawing #2).....	10
ACCESS COVER	12
ROTOR ASSEMBLY	14
VALVE ASSEMBLY.....	15
HYDRAULIC LAYOUT	16
IDLER (Drawing #1).....	18
IDLER (Drawing #2).....	20
ENGINE.....	22
FEED ROLLER	24
SHIELDS	26
CHUTE (Drawing #1)	28
CHUTE (Drawing #2)	30
DDC ENCLOSURE	32
DISCHARGE TUBE.....	34
ELECTRICAL SCHEMATIC.....	36
HYDRAULIC SCHEMATIC	37
SPECIFICATIONS	38
BOLT TORQUE.....	39
SERVICE PARTS & ACCESSORIES	40

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EXPLODED VIEW



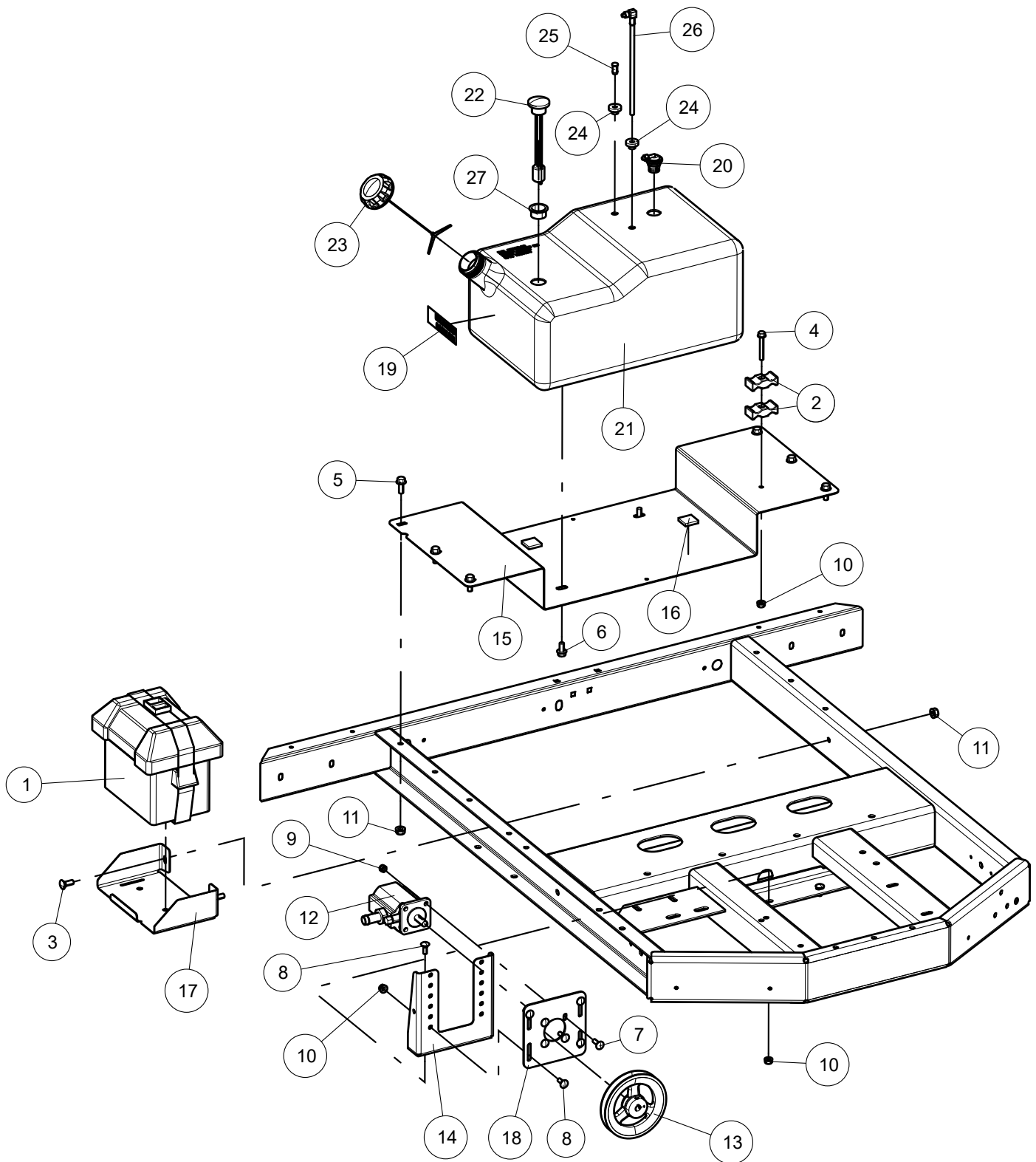
FRAME (Drawing #1)



FRAME (Drawing #1)

ITEM	PART NUMBER	DESCRIPTION
1	14366-00	GROMMET, CLEARANCE LIGHT
2	14374-00	REFLECTOR, WIDE ANGLE RED
3	15057	BOLT, 3/8-16 X 1 CRG GR5
4	15162-00	NUT, 1/2-13 NYLOCK FLANGE
5	15163-00	BOLT, 3/8 X 1 FLANGE NC
6	15176	SCREW, 11/32-12 X 7/8 FLANGE T-AB
7	15231-00	BOLT, 1/2-13 X 1 FLANGE GR5 NC
8	15284	BOLT, 1/4 X 1 HEX GR8 ZP
9	15393	MACH. SCREW, 10-24 X 1 RND HD PHL ZP
10	15397	NUT, 10/24 NYLOCK TYPE NM ZP
11	15527	NUT, 1/2-20 WHEEL
12	15828-00	RIVET, AL BLIND 1/4 X 3/4 DOME HEAD
13	15900-00	NUT, 1/4-20 NYLOCK-FLANGE
14	15905-00	NUT, 3/8-16 NYLOCK FLANGE
15	16808	PIN, 3/8 X 2-1/2 LYNCH
16	18549-00	CLAMP, CABLE MOUNT
17	31264-00	AXLE, TORSION 1800
18	31289-00	ASSEMBLY, TIRE AND WHEEL 14"
19	31736-00	TAIL LIGHT, OVAL LED
20	31737-00	GROMMET, OVAL TAIL LIGHT
21	32155-00	DECAL, ST205/75R14 LOAD RATING
22	32361-00	DECAL, NATM
23	33170-00	LIGHT, CLEARANCE/MARKER, RND, RED LED
24	74911-00	KIT, LED AMBER LIGHT (Includes Part #33875-00 & #33876-00)
25	70743-10	WELDMENT, CHIPPER FENDER
26	70744-10	BRACKET, FENDER
27	73449-10	WELDMENT, REAR STABILIZER
28	73450-10	GUIDE, TRAILER SUPPORT
29	74019-10	BRACKET, TAILLIGHT
–	17320	STRAP, 11 IN BLACK TIE (not shown)
–	32349-00	HARNESS, CHIPPER TRAILER (not shown)
–	33875-00	TERMINAL, RING #10 18GA (not shown)
–	33876-00	CONNECTOR, BUTT 18-22GA (not shown)

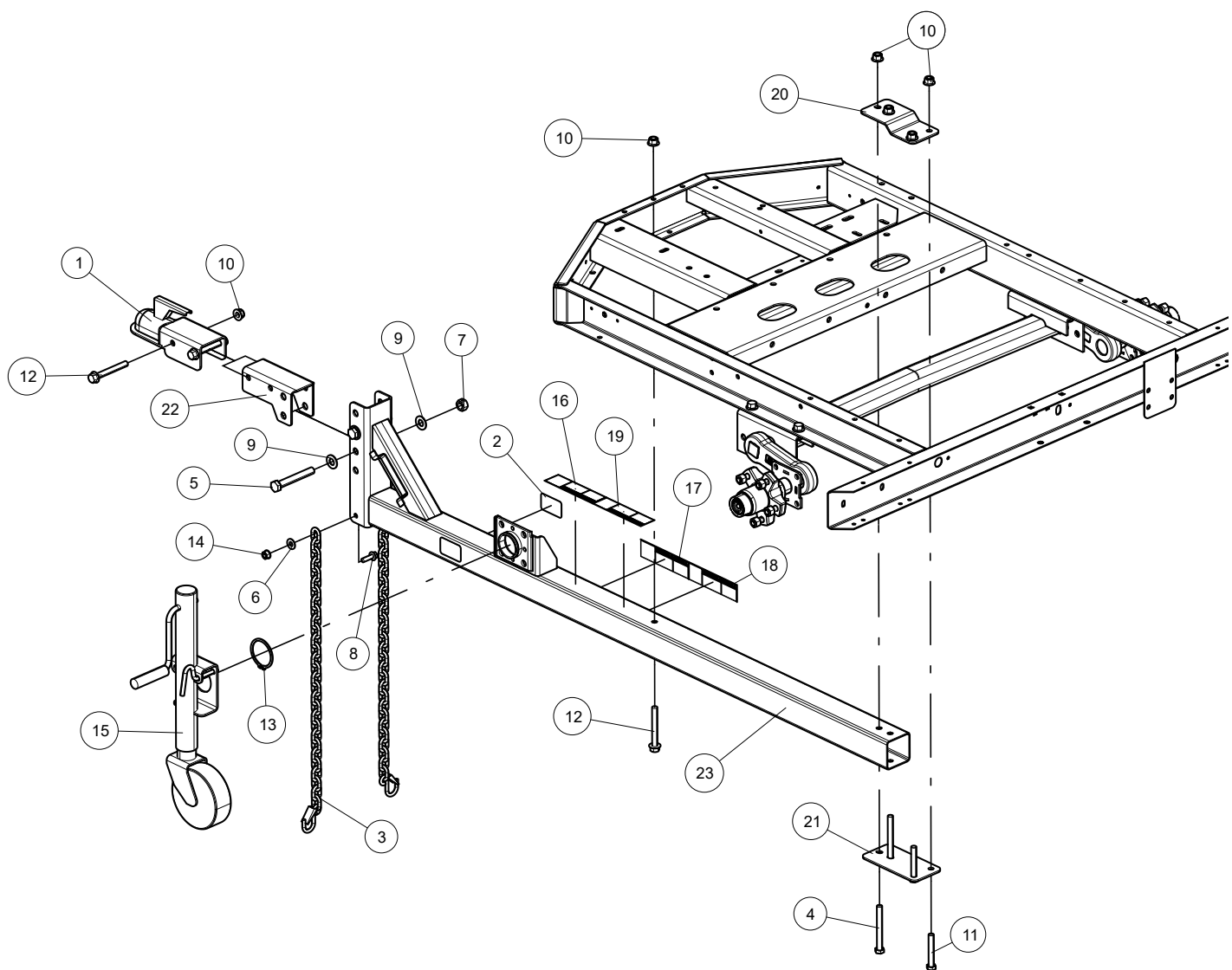
FRAME (Drawing #2)



FRAME (Drawing #2)

ITEM	PART NUMBER	DESCRIPTION
1	12839	BOX, SMALL BATTERY
2	14157-00	CLAMP, PLASTIC HOSE
3	15057	BOLT, 3/8-16 x 1 CRG
4	15135-00	BOLT, 5/16 x 2-1/4 FLANGE NC
5	15163-00	BOLT, 3/8 x 1 FLANGE NC
6	15229-00	BOLT, 3/8 x 3/4 FLANGE NC
7	15301	BOLT, 5/16-18 x 1 GR5 CRG
8	15349	BOLT, 5/16-18 x 7/8 GR5 CRG
9	15356	NUT, 5/16 NYLOCK
10	15904-00	NUT, 5/16-18 NYLOCK FLANGE
11	15905-00	NUT, 3/8-16 NYLOCK FLANGE
12	31671-00	PUMP, 2 STAGE CW HI/LO 0.605 DISP.
13	32921-00	PULLEY, 5.6 - 1/2" BORE FHP B
14	75965-10	BRACKET, MOUNT HYDRAULIC PUMP
15	76365-10	BASE, 9.25 GAL NYLON TANK
16	76477-00	PAD, FOAM FUEL TANK DAMPER
17	76612-10	BRACKET, BATTERY HOLDER
18	76910-10	PLATE, HYDRAULIC PUMP
–	77711-00	ASSEMBLY, FUEL TANK (includes Items 19-27)
19	18982-00	DECAL, UNLEADED GASOLINE
20	32542-00	VALVE, ROLL OVER
21	32822-00	TANK, ROTOMOLDED FUEL
22	32823-00	GAUGE, FUEL LEVEL KELCH 100
23	32824-00	CAP, NON-VENTED EPA/CARB APPROVED
24	36689-00	GROMMET, TANK FITTING
25	36690-00	PLUG, TANK VENT
26	36694-00	FITTING, TANK FUEL PICK-UP TUBE
27	36696-00	GROMMET, KELCH 100 GAUGE
–	76908-00	HOSE, FUEL 1/4" x 63" (not shown)

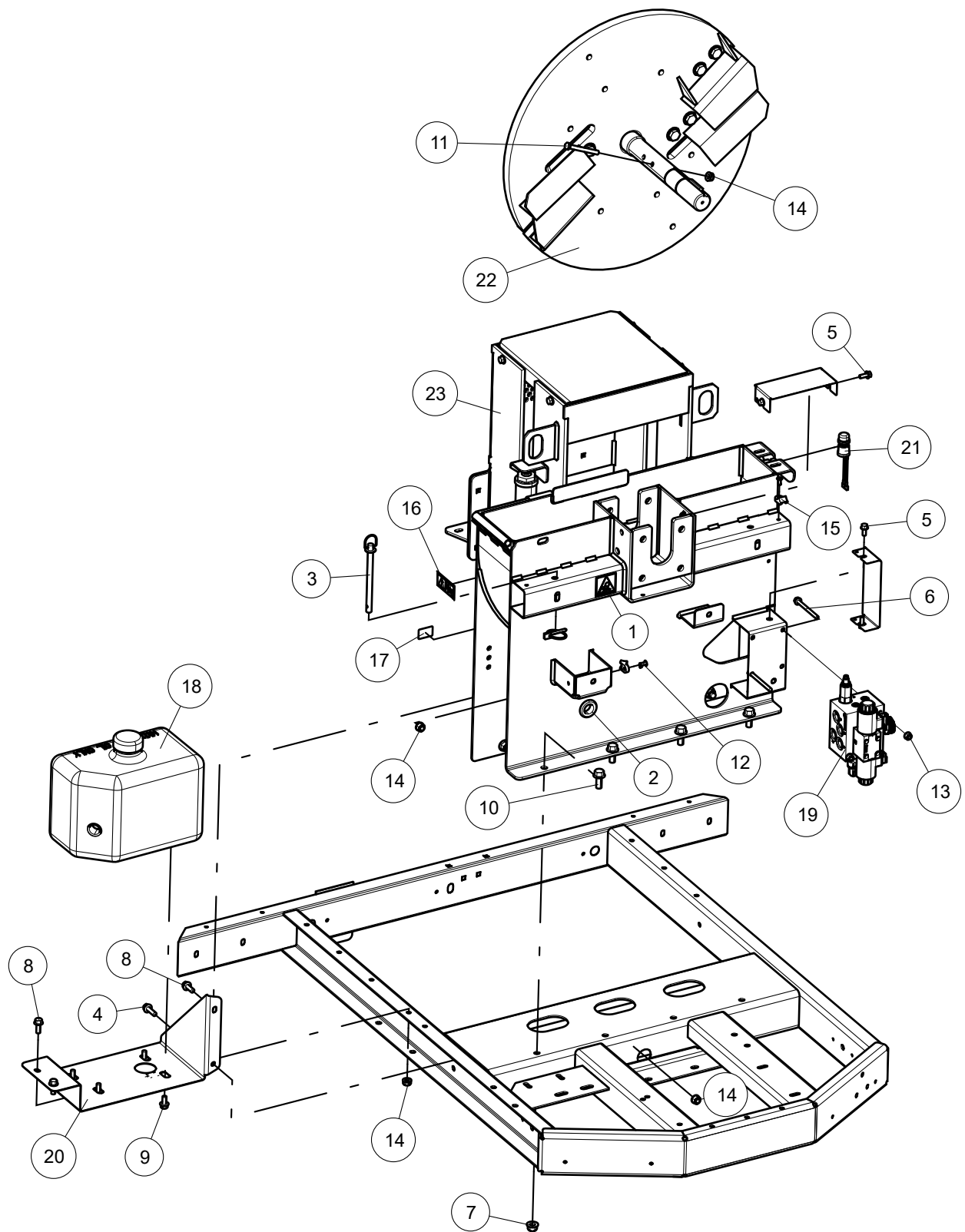
HITCH



HITCH

ITEM	PART NUMBER	DESCRIPTION
1	14257-00	COUPLER, 2 IN
2	14375-00	REFLECTOR, WIDE ANGLE AMBER
3	14381-00	CHAIN, SAFETY 5000 LB W/ LATCH
4	15017	BOLT, 1/2 × 4-1/2" GR5 HHCS NC ZP
5	15021	BOLT, 5/8 × 4-1/2 HEX HD G5 ZP
6	15031	WASHER, 3/8 FLAT
7	15050	NUT, 5/8" CENTERLOCK ZP GR5
8	15109-00	BOLT, 3/8 × 1-1/4 FLANGE NC
9	15129	WASHER, 5/8 SAE FLAT
10	15162-00	NUT, 1/2-13 NYLOCK FLANGE
11	15173	BOLT, 1/2 × 3-1/4 HCS GR5 ZP
12	15193-00	BOLT, 1/2-13 × 4 FLANGE GR5 CZP
13	15841-00	RING, 2-1/2 EXTERNAL SNAP
14	15905-00	NUT, 3/8-16 NYLOCK FLANGE
15	16616	JACK, PIVOTING W/ SWIVEL CASTOR
16	32327-00	DECAL, SAFETY CHAINS
17	32328-00	DECAL, TRAILER ELECTRICAL
18	32330-00	DECAL, CHECK WHEELS
19	32332-00	DECAL, SAFE COUPLING
20	72865-10	PLATE, AXLE SAFETY
21	72866-10	PLATE, AXLE SAFETY
22	77080-10	MOUNT, COUPLER
23	77808-10	WELDMENT, HITCH POLE

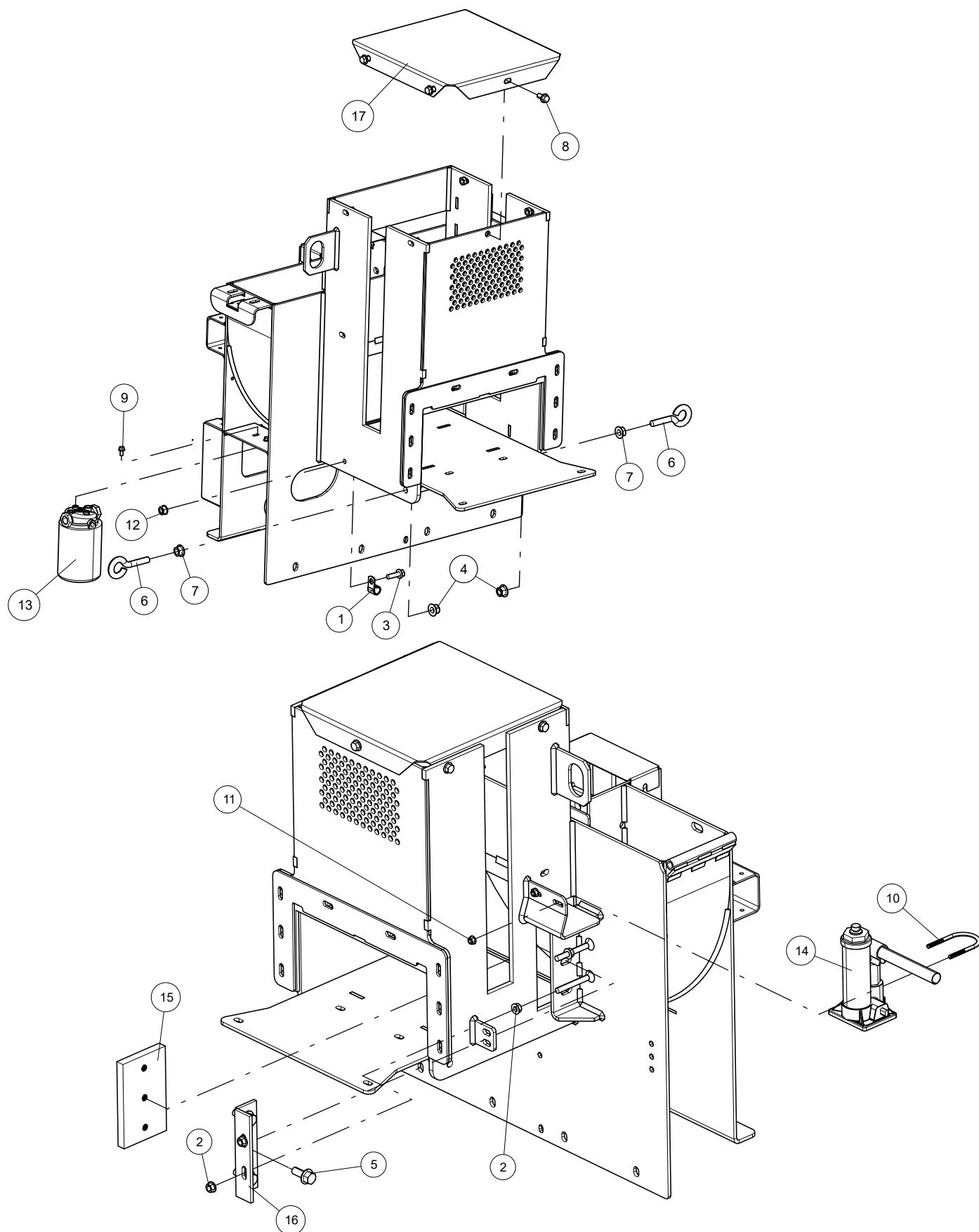
HOUSING (Drawing #1)



HOUSING (Drawing #1)

ITEM	PART NUMBER	DESCRIPTION
1	12174	DECAL, SHIELD DANGER ISO
2	14422-00	GROMMET, 1.75 x .25 x 1.00
3	14544-00	PIN, HITCH 1/2 x 6-1/2 W/ LYNCH
4	15109-00	BOLT, 3/8 x 1-1/4 FLANGE NC
5	15117-00	BOLT, 5/16 x 3/4 FLANGE NC
6	15148-00	BOLT, 5/16 x 3-1/2 SERRATED FLANGE NC
7	15162-00	NUT, 1/2-13 NYLOCK FLANGE
8	15163-00	BOLT, 3/8 x 1 FLANGE NC
9	15229-00	BOLT, 3/8 x 3/4 FLANGE NC
10	15232-00	BOLT, 1/2 -13 x 1-1/4 FLANGE NC
11	15739-00	BOLT, 3/8 x 3-1/2 FULL THD ZP GR5
12	15828-00	RIVET, AL BLIND 1/4 x 3/4 DOME HEAD
13	15904-00	NUT, 5/16-18 NYLOCK FLANGE
14	15905-00	NUT, 3/8-16 NYLOCK FLANGE
15	18549-00	CLAMP, CABLE MOUNT
16	18983-00	DECAL, CRUSHING ISO
17	35481	DECAL, GREASE GUN ICON
18	36322-00	TANK, HYDRAULIC
19	71628-00	ASSEMBLY, HYDRAULIC FEED FLOW VALVE W/ PS (see VALVE ASSEMBLY for part numbers)
20	76526-10	BRACKET, HYDRAULIC TANK
21	76622-00	ASSEMBLY, SEALED SWITCH
22	78288-00	ASSEMBLY, 6" ROTOR (see ROTOR ASSEMBLY for part numbers)
23	79234-00	ASSEMBLY, CH6627H HOUSING SUB WITH DECALS (includes Items, 1, 2, 12, 15, 17)
–	17320	STRAP, 11 IN BLACK TIE (not shown)

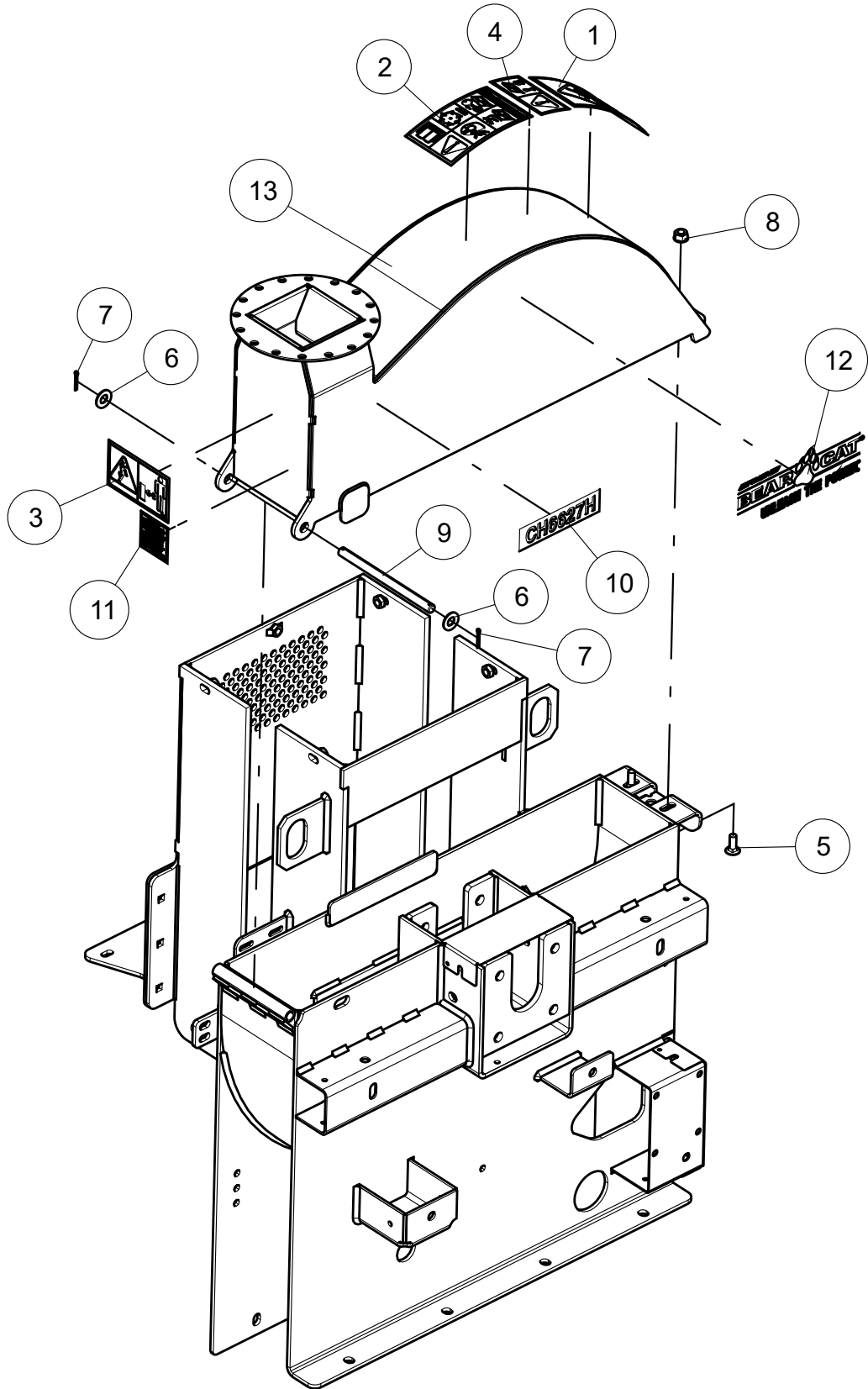
HOUSING (Drawing #2)



HOUSING (Drawing #2)

ITEM	PART NUMBER	DESCRIPTION
1	14048-00	CLAMP, 9/16 COATED
2	15051	NUT, 3/8-16 SERRATED FLANGE
3	15109-00	BOLT, 3/8 × 1-1/4 FLANGE NC
4	15162-00	NUT, 1/2-13 NYLOCK FLANGE
5	15232-00	BOLT, 1/2 - 13 x 1-1/4 FLANGE NC
6	15502	EYEBOLT, 1/2-13 × 2
7	15616	NUT, 1/2 SPIRAL LOCK NC ZP
8	15617	BOLT, 3/8-16 × 3/4 SERRATED FLANGE
9	15704-00	BOLT, 1/4" x 1/2 FLG GRG PATCH
10	15768-00	U-BOLT, 1/4 × 1-1/2 PIPE
11	15900-00	NUT, 1/4-20 NYLOCK FLANGE
12	15905-00	NUT, 3/8-16 NYLOCK FLANGE
13	16922	FILTER, SPIN-ON HYDRAULIC
14	73722-10	JACK, HYDRAULIC 2 TON
15	73982-10	ANVIL, 6" CHIPPER
16	73985-10	WELDMENT, BLOCK ADJUSTOR
17	79236-40	WELDMENT, FEED ROLLER COVER

ACCESS COVER

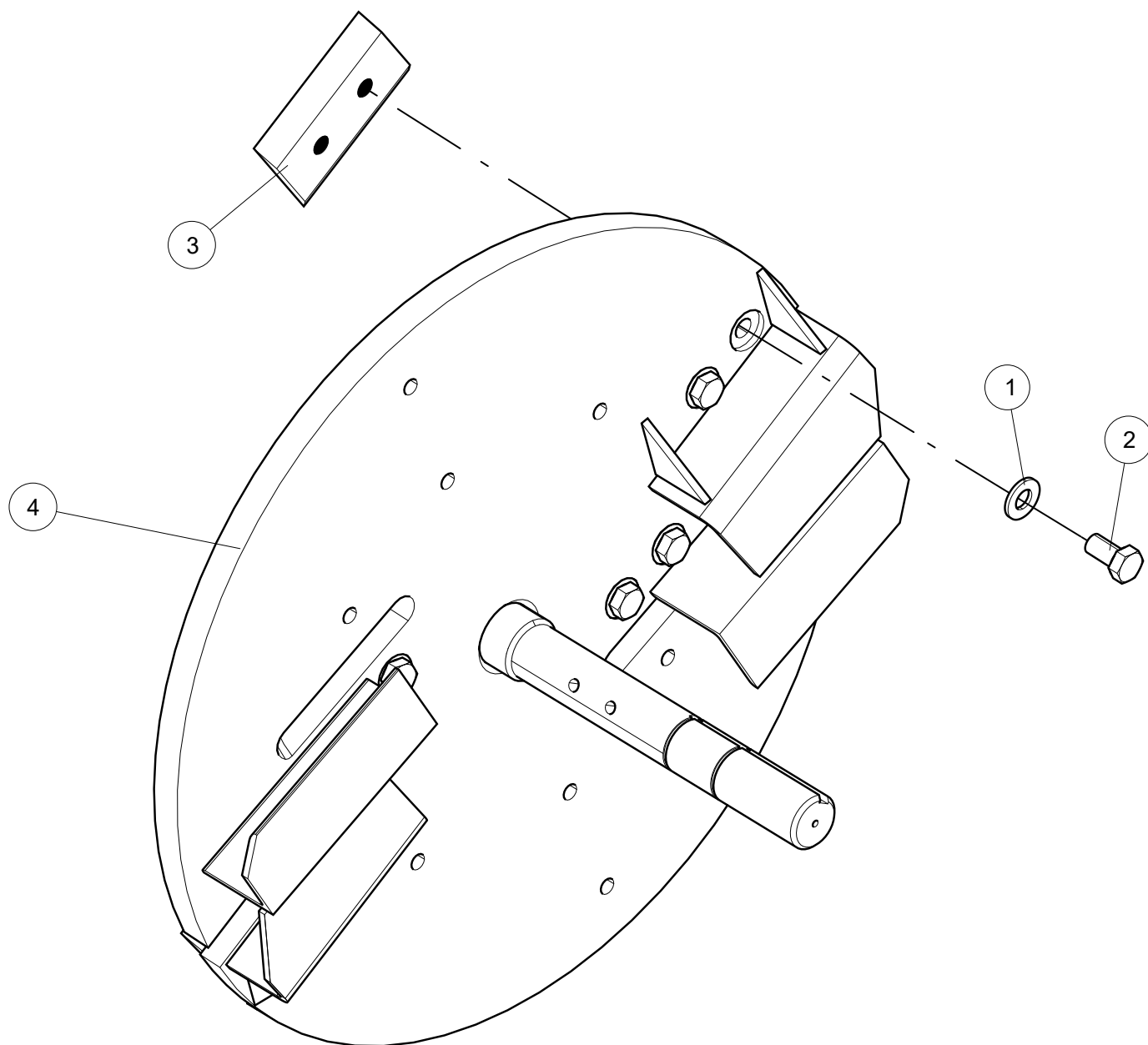


ACCESS COVER

ITEM	PART NUMBER	DESCRIPTION
1	12169	DECAL, KNIFE ACCESS ISO
2	12172	DECAL, OPERATING INSTRUCTIONS ISO
3	12173	DECAL, DISCHARGE ISO
4	12250	DECAL, MAINTENANCE ISO
5	15057	BOLT, 3/8-16 × 1 GR5 CRG
6	15097	WASHER, 1/2 SAE FLAT
7	15375	PIN, 1/8 × 1.00 ZP COTTER
8	15905-00	NUT, 3/8-16 NYLOCK FLANGE
9	30980-00	SHAFT, CHIPPER TOP PIVOT
10	33744-00	DECAL, MODEL CH6627H
11	33883-00	DECAL, SPARK ARRESTOR
12	34990-00	DECAL, CBC LOGO BLACK TAGLINE 3.11 x 9.42
13	78611-00	ASSEMBLY, CHIPPER COVER W/ CBC DECALS (Includes Items 1-4, 11-12)

ROTOR ASSEMBLY

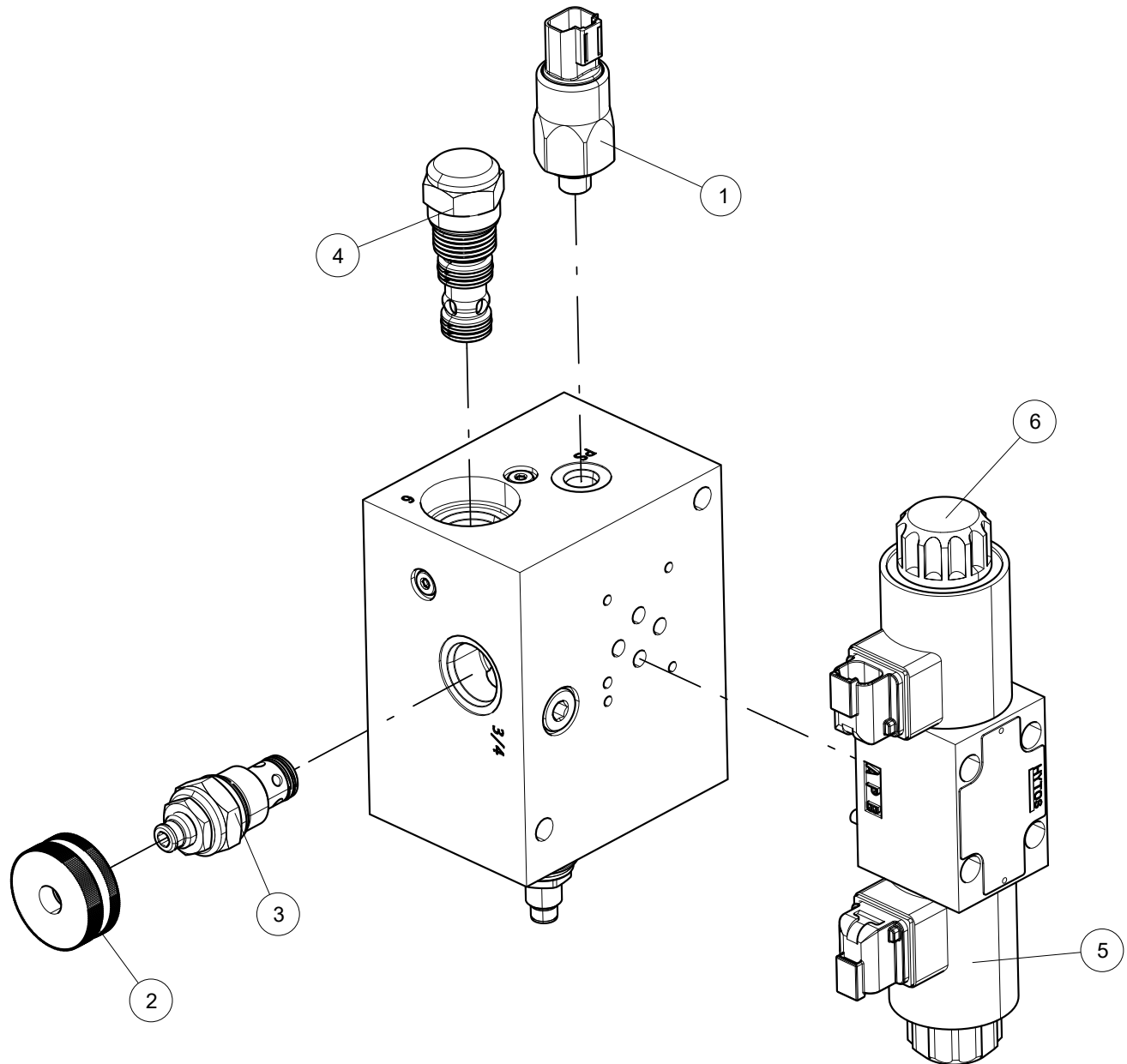
Part #78288-00



ITEM	PART NUMBER	DESCRIPTION
1	15770-00	WASHER, 5/8 SAE HARDENED (For service order part #78361-00)
2	15833-00	BOLT, M16 × 2.0 × 30 HEX HD W/ PATCH (For service order part #78361-00)
3	33797-00	BLADE, 30 DEGREE 1/2" CHIPPER (For service order part #78361-00)
4	78080-00	WELDMENT, 6 CHIPPER ROTOR
—	78361-00	KIT, CHIPPER BLADE (includes items 1-3)

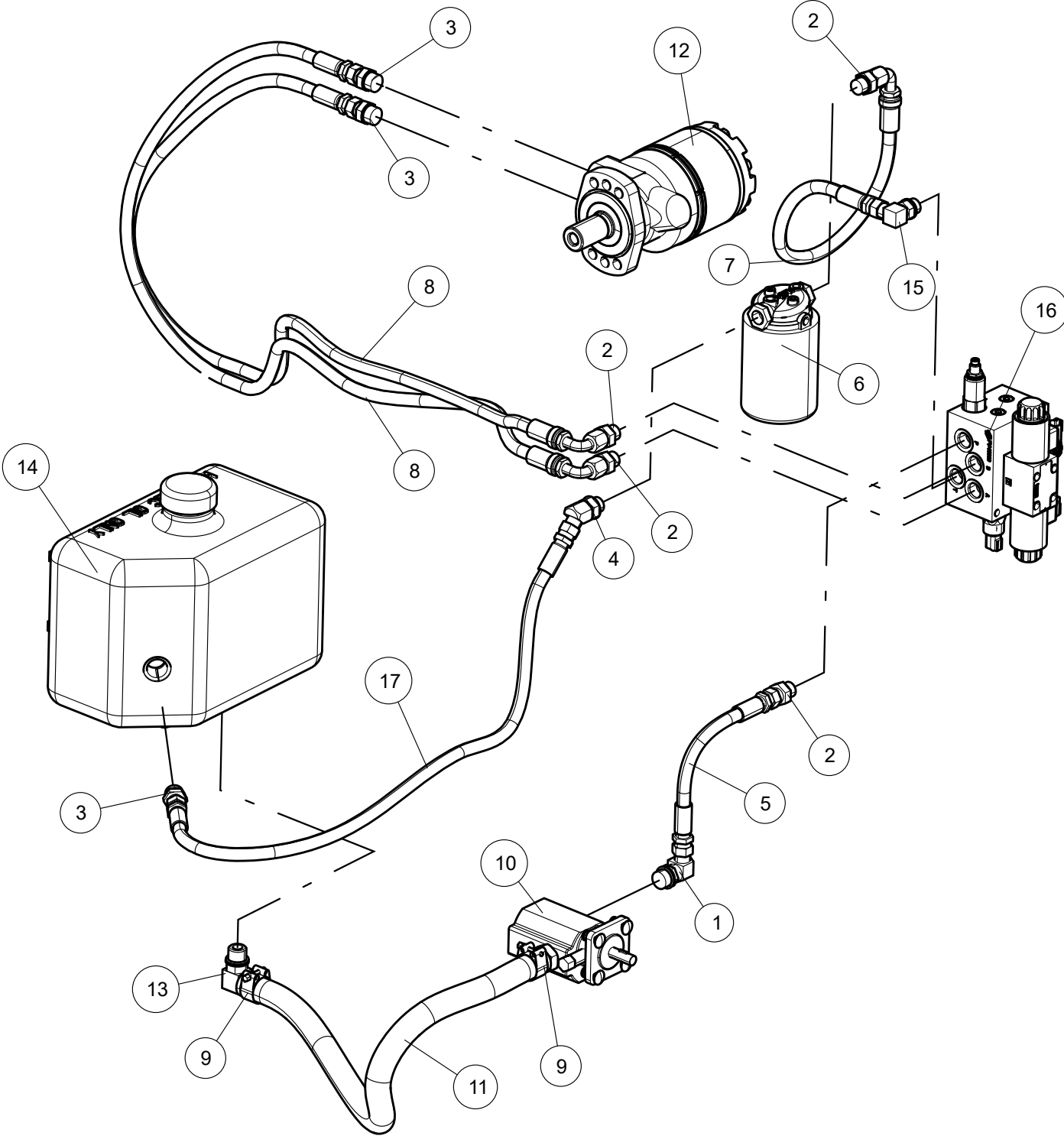
VALVE ASSEMBLY

Part #71628-00



ITEM	PART NUMBER	DESCRIPTION
1	30132-00	SWITCH, PRESSURE GC
2	30821-00	KIT, VALVE KNOB
3	31485-00	VALVE, NEEDLE - 10 MOUNT
4	31486-00	VALVE, DIFFERENTIAL SENSING
5	35091-00	COIL, SOLENOID
6	35092-00	NUT, COIL SOLENOID

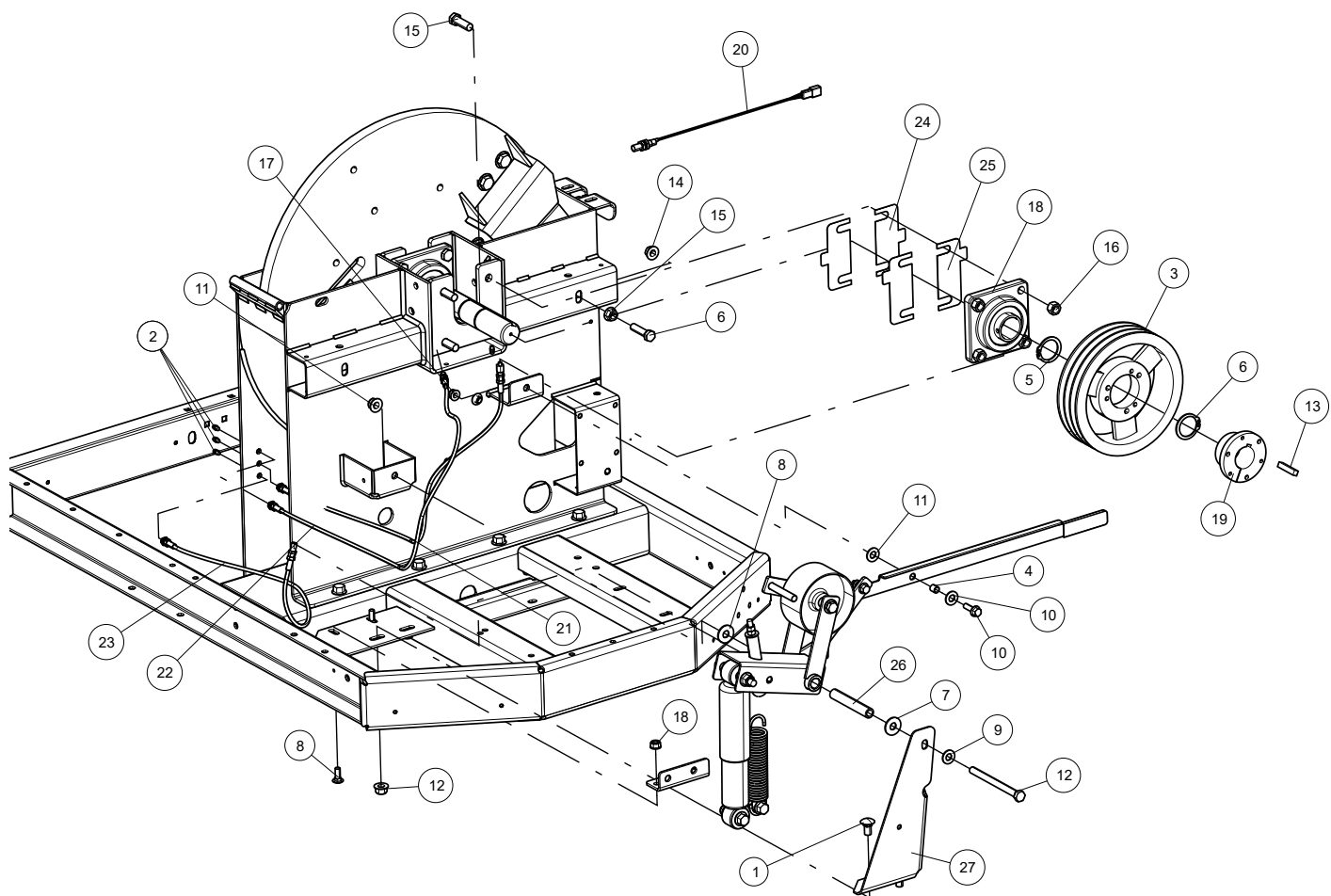
HYDRAULIC LAYOUT



HYDRAULIC LAYOUT

ITEM	PART NUMBER	DESCRIPTION
1	11810	ADAPTER, -10MORING/-8MJIC 90 DEG
2	12615	ADAPTER, -8MORING/-8MJIC
3	12626	ADAPTER, -10MORING/-8MJIC
4	14417-00	ADAPTER, -8MORB/-8MJIC 45
5	14631-00	HOSE ASSEMBLY, -8FMJIC/-8FMJICSW × 8-1/2
6	16588	ASSEMBLY, HYDRAULIC FILTER
7	18533-00	HOSE ASSEMBLY, -8FMJIC/-8FMJIC90 × 21
8	18535-00	HOSE ASSEMBLY, -8FMJIC/-8FMJIC90 × 61
9	31425-00	CLAMP, 1-5/32 TO 7/32 OD RANGE T-BOLT
10	31671-00	PUMP, 2 STAGE CW HI/LO 0.605 DISP.
11	31711-00	HOSE, .75 ID × 28 IN 100R4 HYD
12	34420-00	MOTOR, 45.45 CID HYDRAULIC
13	36017-00	ADAPTER, -10 MORING/.75 90 DEG HOSE
14	36322-00	TANK, HYDRAULIC
15	41287	ADAPTER, -8MORING/-8MJIC 90 DEG
16	71628-00	ASSEMBLY, HYDRAULIC FEED FLOW VALVE W/ PS (see VALVE ASSEMBLY for part numbers)
17	76909-00	HOSE, 3/8 × 35 -8FJICSW
–	16922	ELEMENT, HYDRAULIC FILTER (not shown)

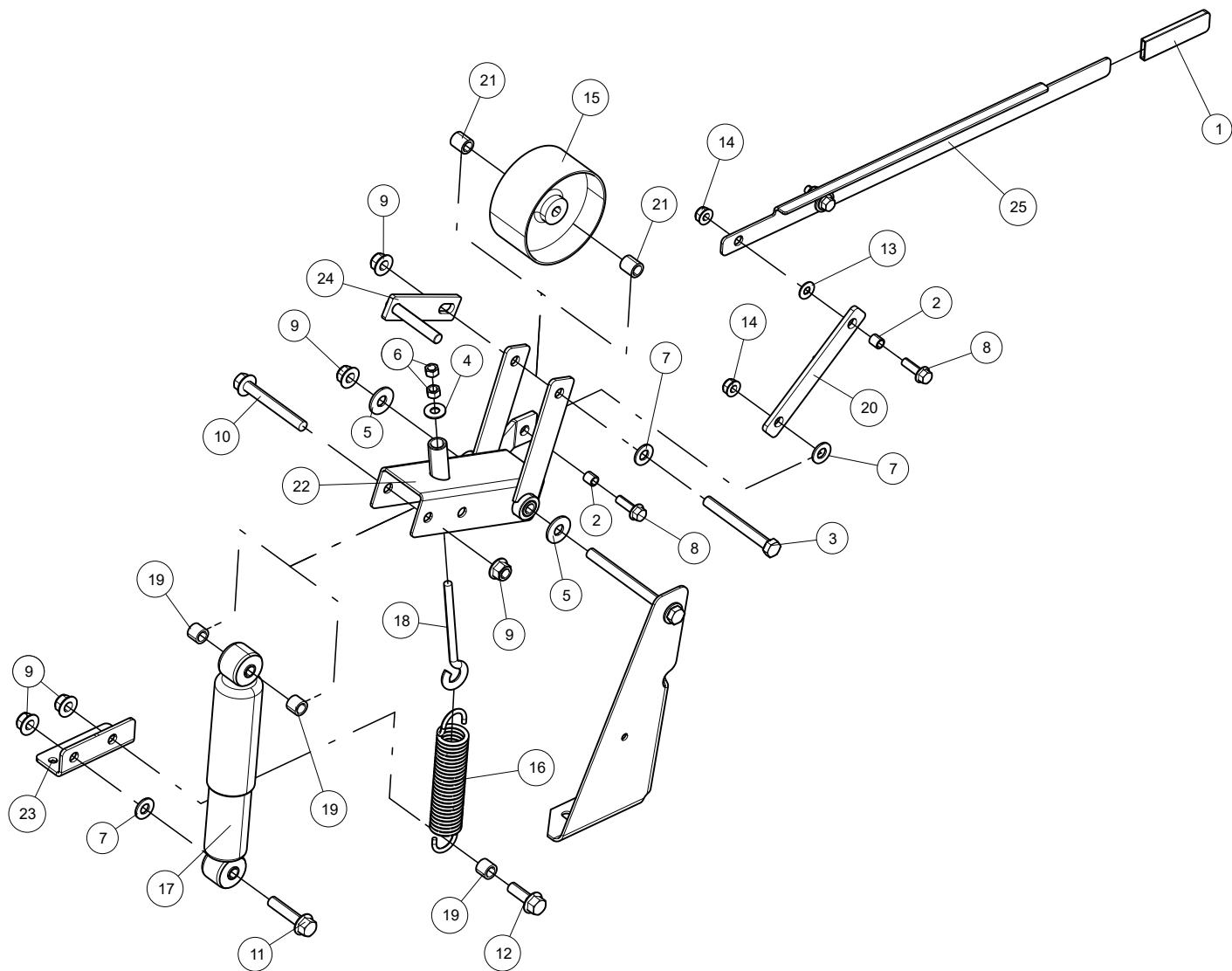
IDLER (Drawing #1)



IDLER (Drawing #1)

ITEM	PART NUMBER	DESCRIPTION
1	0103-0112-00	BOLT, 1/2 × 1 GR5 CRG ZP
2	12275	FITTING, 1/4 SELF-TAP GREASE
3	12459	SHEAVE, 3BQ9.4, SK
4	14239-00	BUSHING, 3/8 × 1/2 SLEEVE LUBE
5	14626-00	RING, 1-3/4 EXT HEAVY DUTY SNAP
6	15015	BOLT, 1/2-13 × 2 GR5 HEX CAPSCREW
7	15034	WASHER, 1/2 FLAT
8	15057	BOLT, 3/8-16 × 1 GR5 CRG
9	15097	WASHER, 1/2 SAE FLAT
10	15109-00	BOLT, 3/8 × 1-1/4 FLANGE NC
11	15162-00	NUT, 1/2-13 NYLOCK FLANGE
12	15234	BOLT, 1/2 × 6 G5 HCS - ZP
13	15440	KEY, 3/8" SQ × 2" LG PLAIN
14	15616	NUT, 1/2 SPIRAL LOCK NC ZP
15	15727-00	BOLT, 9/16 × 1-3/4 HEX GR5 ZP
16	15728-00	NUT, 9/16 CENTER LOCK GRB ZP
17	15905-00	NUT, 3/8-16 NYLOCK FLANGE
18	16553	BEARING, 1-3/4 4 BOLT FLANGE
19	17248	BUSHING, SK 1-3/4"
20	32108-00	SENSOR, M12 PNP PROXIMITY (replacement part)
21	35582-00	HOSE, 30" GREASE
22	35585-00	HOSE, 35" GREASE
23	35713-00	HOSE, 25" GREASE
24	74369-00	SHIM, 20 GA.
25	74371-00	SHIM, 16 GA.
26	74431-00	BUSHING, IDLER PIVOT
27	76561-10	BRACE, IDLER

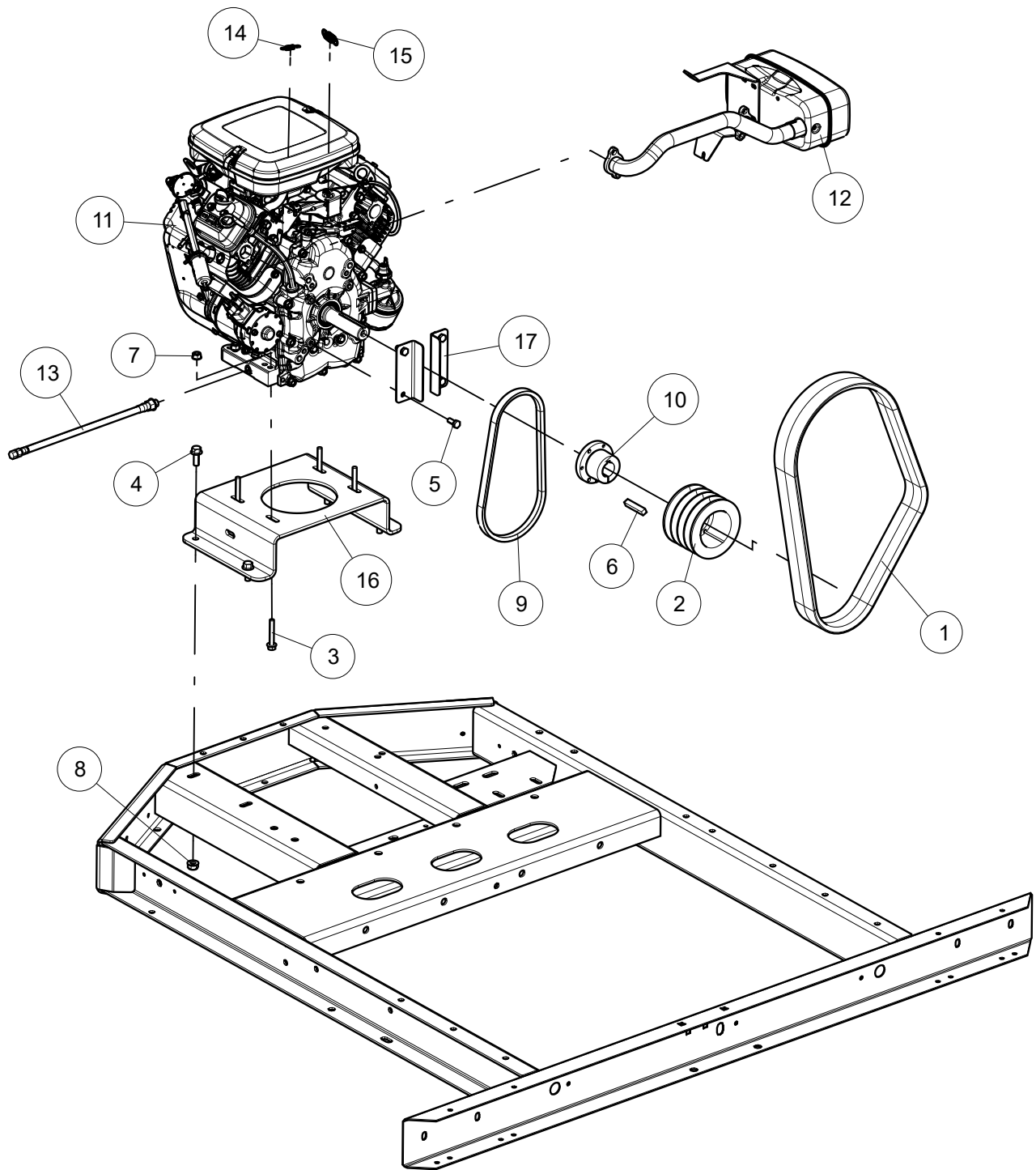
IDLER (Drawing #2)



IDLER (Drawing #2)

ITEM	PART NUMBER	DESCRIPTION
1	14076-00	GRIP, CLUTCH HANDLE
2	14239-00	BUSHING, 3/8 × 1/2 SLEEVE LUBE
3	15017	BOLT, 1/2 × 4-1/2" GR5 HHCS NC ZP
4	15031	WASHER, 3/8 FLAT
5	15034	WASHER, 1/2 FLAT
6	15042	NUT, 3/8" HEX NC ZP
7	15097	WASHER, 1/2 SAE FLAT
8	15109-00	BOLT, 3/8 × 1-1/4 FLANGE NC
9	15162-00	NUT, 1/2-13 NYLOCK FLANGE
10	15193-00	BOLT, 1/2-13x4, HWH, GR5, CZP
11	15228-00	BOLT, 1/2 -13 × 2-1/4 FLANGE NC
12	15230-00	BOLT, 1/2-13 × 1-1/2 GR5 FLANGE NC
13	15509	WASHER, 3/8 NYLON FLAT
14	15905-00	NUT, 3/8-16 NYLOCK FLANGE
15	16230	PULLEY, IDLER 5" × 2.50"
16	16502	SPRING, 7-3/4" EXTENSION
17	16786	ABSORBER, IDLER SHOCK
18	17804	EYEBOLT, 3/8" × 5" LG 4-1/4 THD ZP
19	70534	SPACER, 0.75 × 0.620
20	74029-10	LINK, ENGAGEMENT ARM
21	74041-10	SPACER, IDLER SHEAVE
22	74062-10	WELDMENT, IDLER ARM
23	74074-10	BRACKET, SPRING ANCHOR
24	74097-10	WELDMENT, BELT PIN
25	76525-10	LEVER, CLUTCH ENGAGEMENT

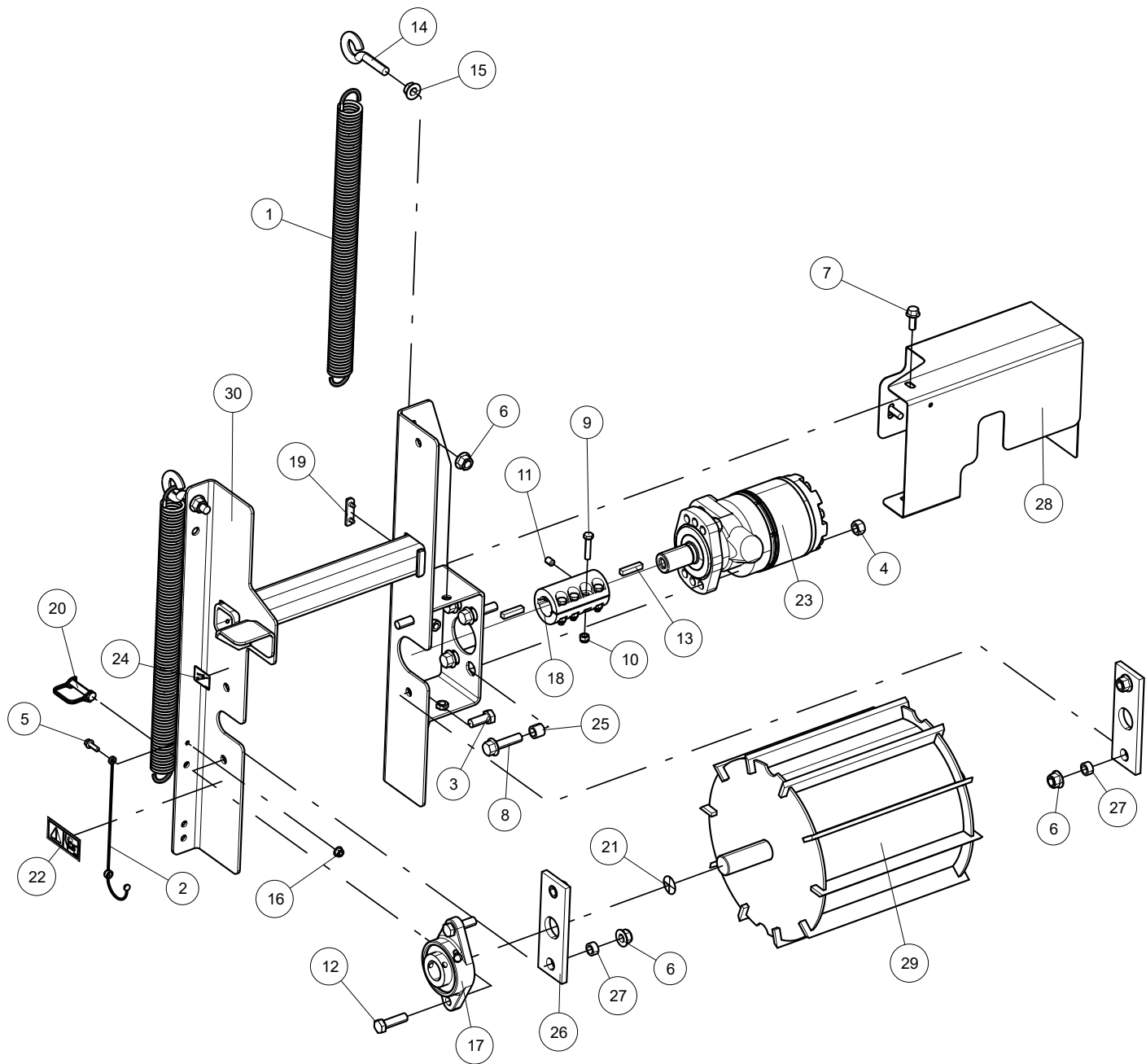
ENGINE



ENGINE

ITEM	PART NUMBER	DESCRIPTION
1	14261-00	BELT, 3RB48
2	14264-00	SHEAVE, 4B4.2 SD
3	15133-00	BOLT, 5/16 × 2 FLANGE NC
4	15163-00	BOLT, 3/8 × 1 FLANGE NC
5	15381	BOLT, 5/16-24 × 3/4" GR5 HHCS ZP
6	15440	KEY, 3/8" SQ x 2" LG PLAIN
7	15904-00	NUT, 5/16-18 NYLOCK FLANGE
8	15905-00	NUT, 3/8-16 NYLOCK FLANGE
9	16043	BELT, 29" C/S
10	16064	BUSHING, SD 1-1/8"
11	—	ENGINE, 23 HP BRIGGS (For service see engine owner's manual or your nearest Briggs & Stratton® industrial engine dealer.)
12	33743-00	MUFFLER, B&S SIDE MOUNT OIL FILTER SIDE (For service see engine owner's manual or your nearest Briggs & Stratton industrial engine dealer.)
13	36152-00	HOSE ASSEMBLY, CRANKCASE DRAIN
14	36943-00	SPRING, IDLE 23 HP BRIGGS
15	36944-00	SPRING, MAIN 23 HP BRIGGS
16	73427-10	PLATE, ENGINE MOUNT
17	73428-10	SHIELD, CRANKSHAFT
—	14629-00	CABLE, 50" NEG (not shown)
—	14985-00	CABLE, 48" POS (not shown)
—	33740-00	HARNESS, B&S WIRE (not shown)
—	33781-00	WIRE ASSEMBLY, ENGINE KILL (not shown)
—	33782-00	WIRE, IGNITION SPLICE (not shown)

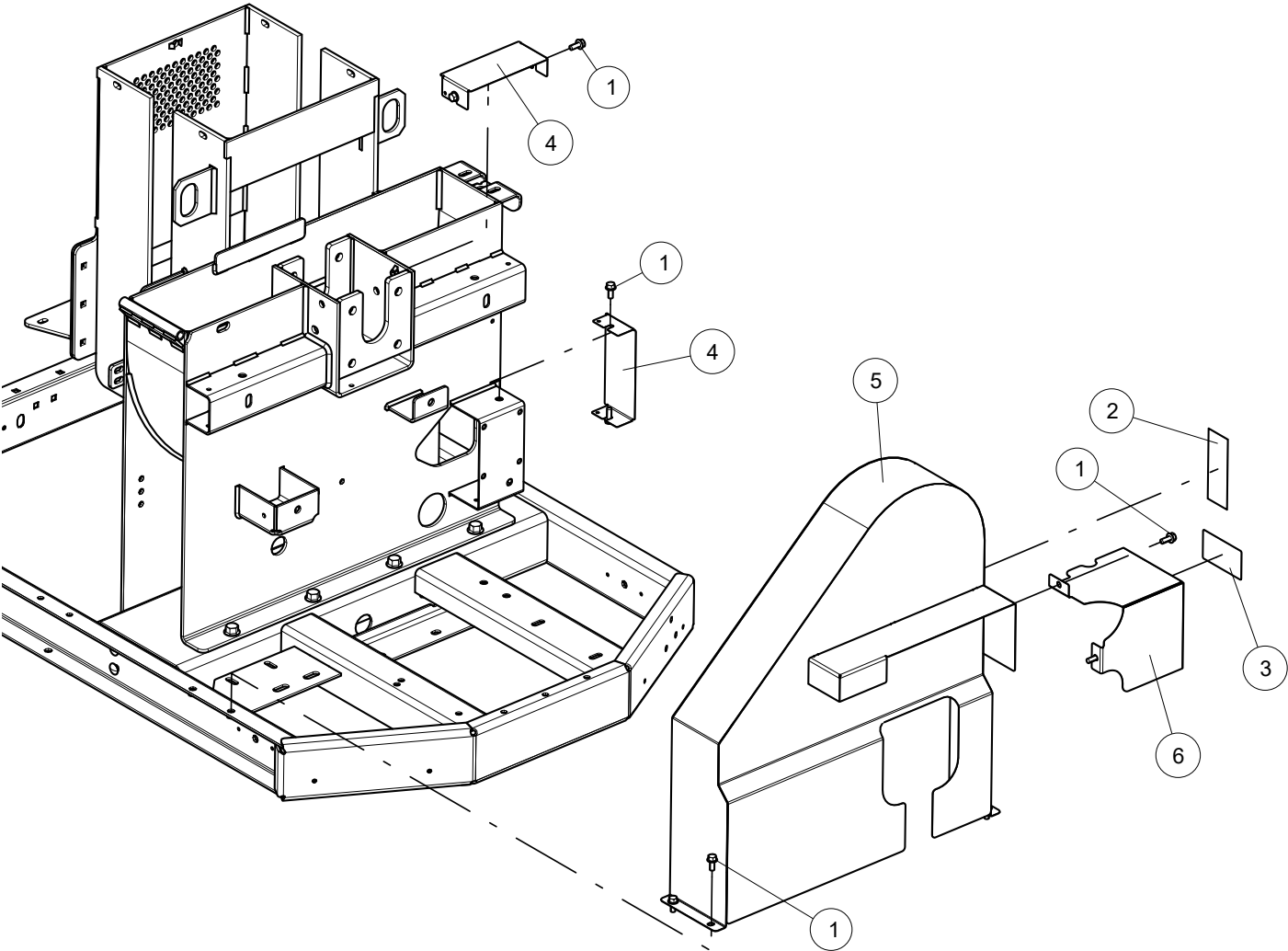
FEED ROLLER



FEED ROLLER

ITEM	PART NUMBER	DESCRIPTION
1	12504-10	SPRING, EXTENSION
2	12530	LANYARD, NYLON
3	15013	BOLT, 1/2 × 1-1/4" GR5 HHCS NC ZP
4	15049	NUT, 1/2-13 GR5 CENTERLOCK GRB
5	15079-00	BOLT, 1/4-20 × 3/4 HWH GR5 CZP
6	15162-00	NUT, 1/2-13 NYLOCK FLANGE
7	15163-00	BOLT, 3/8 × 1 FLANGE NC
8	15200-00	BOLT, 1/2-13 × 2 HWH GR5 CZP
9	15282	BOLT, 5/16 × 1-1/2 GR5 HEX CPS ZP
10	15356	NUT, 5/16-18 NE NYLOCK
11	15461	SCREW, 3/8 × 1/2 CUP PT SKT SET
12	15478	BOLT, 1/2-13 × 1-3/4 GR5 HCPS
13	15498	KEY, 5/16 × 1-1/2 SQUARE
14	15502	EYEBOLT, 1/2-13 × 2
15	15616	NUT, 1/2 SPIRAL LOCK NC ZP
16	15900-00	NUT, 1/4-20 NYLOCK FLANGE
17	16682	BEARING, 1-1/4" DIA 2 BOLT FLANGE
18	16683	COUPLER, 1-1/4 SHAFT
19	17434	WEAR PAD, STD. SPRING HD FRONT
20	17879	PIN, 3/8 × 1-1/2 LYNCH
21	18061-00	DECAL, ROTATING SHAFT
22	18983-00	DECAL, CRUSHING ISO
23	34420-00	MOTOR, 45.45 CID HYDRAULIC
24	35481-00	DECAL, GREASE GUN ICON
25	70534	SPACER, 0.75 × 0.620
26	73248	BEARING, SLIDE
27	73249	SPACER, .75 OD × .5 ID × .37
28	76555-10	WELDMENT, MOTOR COVER
29	77605-00	ASSEMBLY, 6" FEED ROLLER (includes Item 21)
30	79240-00	FEED ROLLER SLIDE W/ DECALS (Includes Items 22 & 24)

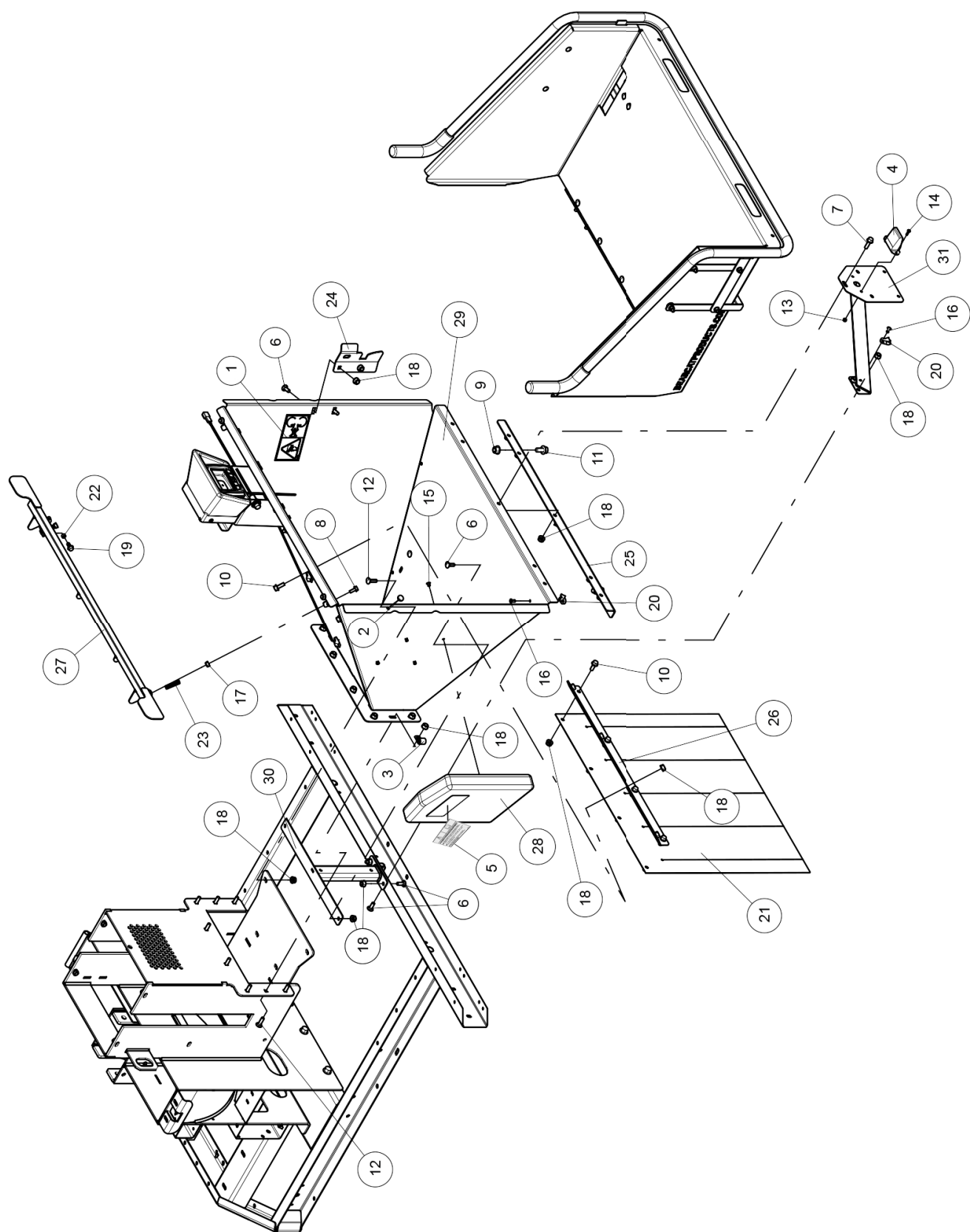
SHIELDS



SHIELDS

ITEM	PART NUMBER	DESCRIPTION
1	15117-00	BOLT, 5/16 × 3/4 FLANGE NC
2	18059-00	DECAL, CHIPPER ENGAGEMENT
3	18556-00	DECAL, FEED SPEED
4	76548-40	COVER, CHIPPER SHAFT
5	78033-00	ASSEMBLY, BELT SHIELD WITH DECALS (Includes Item 2)
6	79248-00	ASSEMBLY, HYD BLOCK SHIELD W/ DECAL (Includes Item 3)

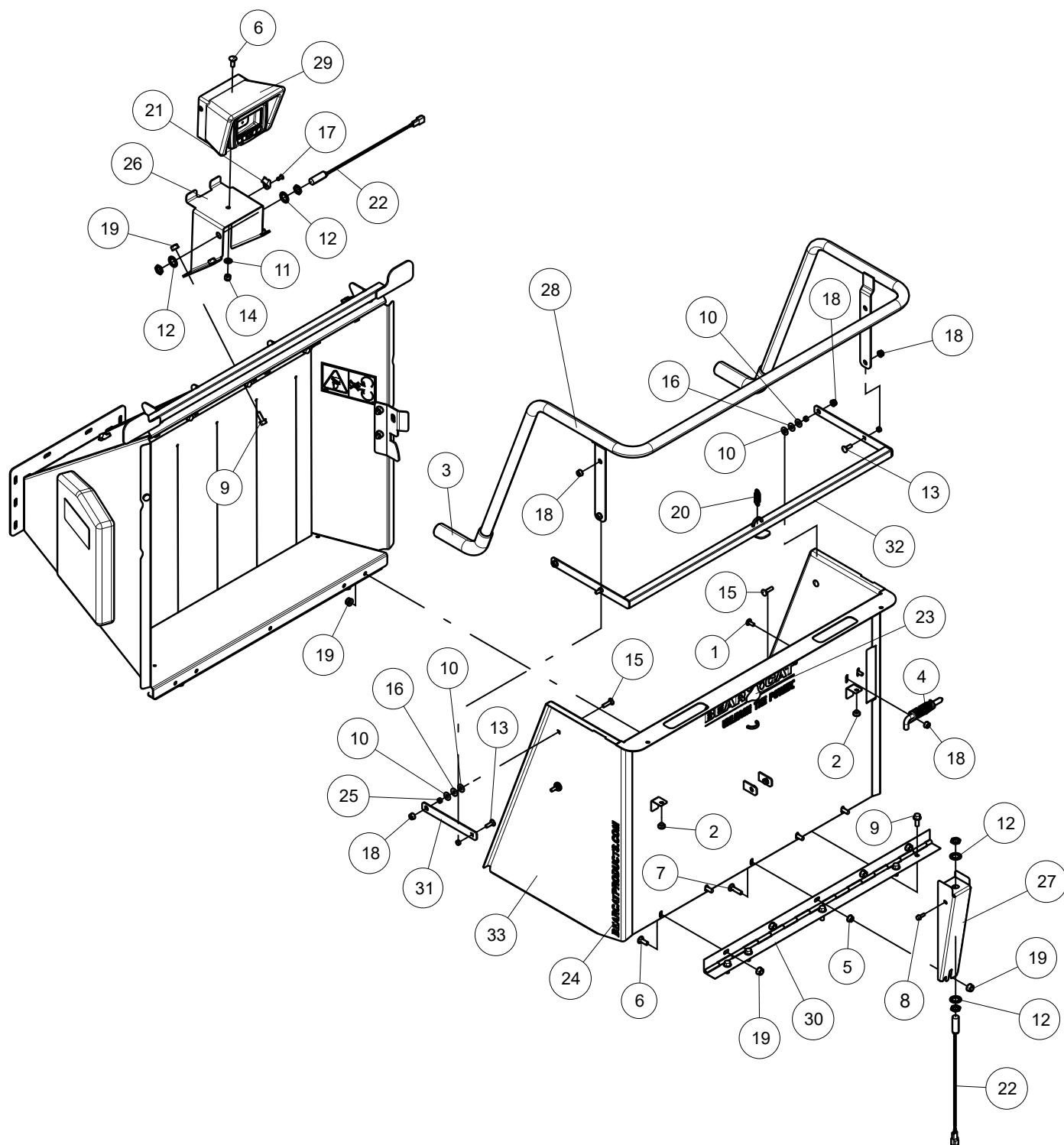
CHUTE (Drawing #1)



CHUTE (Drawing #1)

ITEM	PART NUMBER	DESCRIPTION
1	12175	DECAL, BLADE DANGER ISO
2	13904-00	BUMPER, RUBBER
3	14048-00	CLAMP, 9/16 COATED
4	14368-00	LIGHT, LICENSE PLATE
5	14942-00	DECAL, MULTILINGUAL MANUAL
6	15057	BOLT, 3/8-16 × 1 GR5 CRG
7	15109-00	BOLT, 3/8 × 1-1/4 FLANGE NC
8	15117-00	BOLT, 5/16 × 3/4 FLANGE NC
9	15162-00	NUT, 1/2-13 NYLOCK FLANGE
10	15163-00	BOLT, 3/8 × 1 FLANGE NC
11	15231-00	BOLT, 1/2-13 1.00 GR5 FLANGE NC
12	15378	BOLT, 3/8-16 × 1-1/4 GR5 CRG
13	15397	NUT, 10/24 NYLOCK TYPE NM ZP
14	15460	SCREW, MCH SCW 10-24 x 3/4" PAN HD PH ZP
15	15827-00	RIVET, AL BLIND 1/4 × 1/2 DOME HEAD
16	15828-00	RIVET, AL BLIND 1/4 × 3/4 DOME HEAD
17	15904-00	NUT, 5/16-18 NYLOCK FLANGE
18	15905-00	NUT, 3/8-16 NYLOCK FLANGE
19	15908-00	BOLT, 5/16-18 × 3/4 ZP FLANGE SHOULDER
20	18549-00	CLAMP, CABLE MOUNT
21	31263-00	FLAP, CHUTE
22	33282-00	BEARING, .375 × .50 × .25 LONG
23	33283-00	SPRING, COMPRESSION .437 DIA × 2.0 LONG
24	71984-40	PLATE, TRAY LATCH
25	71989-10	ANGLE, 6" INFEED SUPPORT
26	71990-10	SUPPORT, 6" CHIPPER FLAP
27	72086-10	WELDMENT, 6" TOP SAFETY BAR
28	77113-00	ASSEMBLY, MANUAL CONTAINER SERVICE PART (Includes Item 5)
29	78612-00	ASSEMBLY, 6" INFEED CHUTE W/ DECALS (Includes Item 1)
30	79287-10	WELDMENT, 6" INFEED SUPPORT VERT
31	79297-00	ASSEMBLY, CHIPPER CHUTE SUPPORT (Includes Items 16 & 20)
—	17320	STRAP, 11 IN BLACK TIE (not shown)

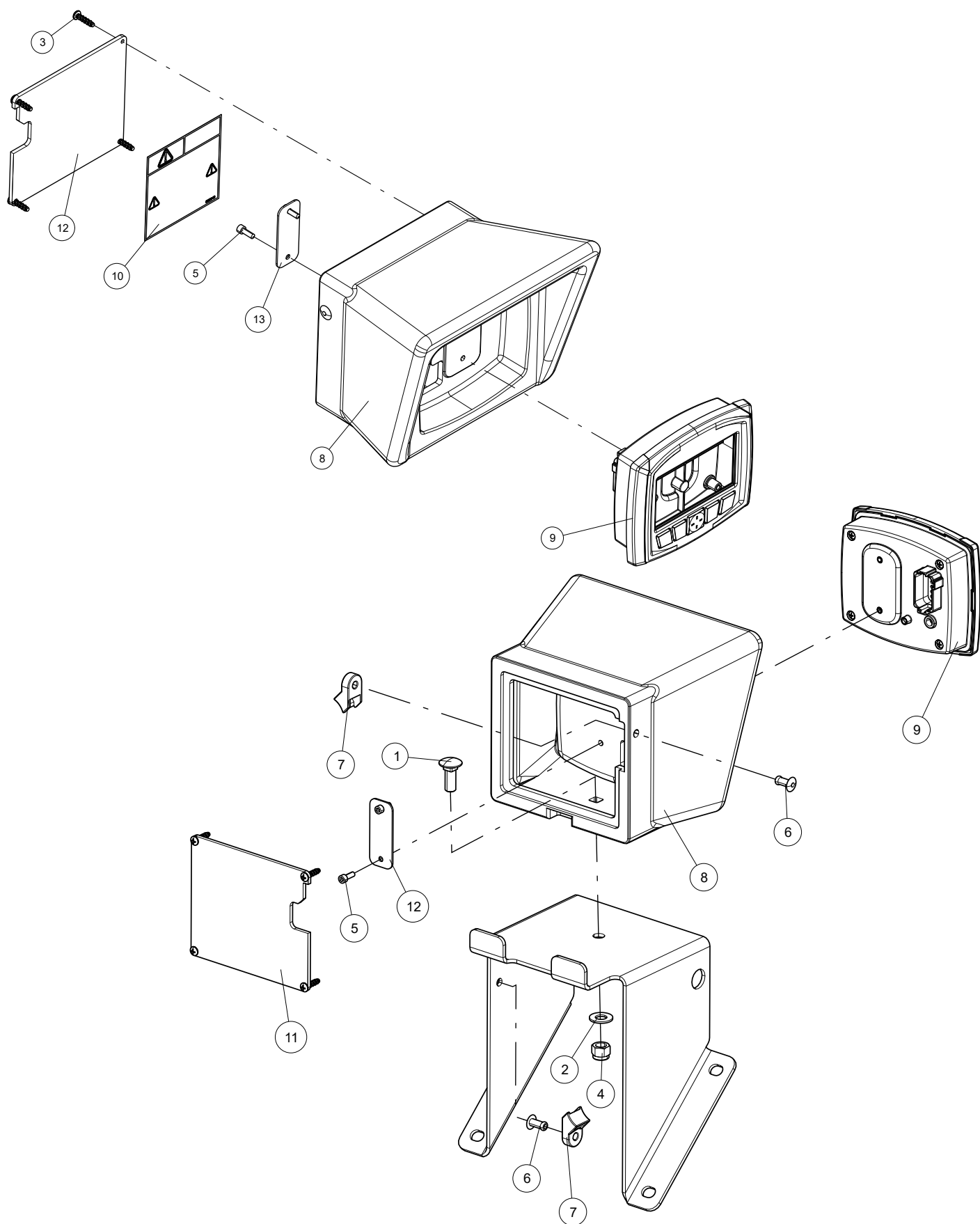
CHUTE (Drawing #2)



CHUTE (Drawing #2)

ITEM	PART NUMBER	DESCRIPTION
1	0103-0909-00	BOLT, 5/16-18 × 3/4 SN GR5 CRG
2	13904-00	BUMPER, RUBBER
3	14520-00	GRIP, 1.219 × 10.00
4	14971-00	LATCH, RH HINGE
5	15051	NUT, 3/8-16 SERRATED FLANGE
6	15057	BOLT, 3/8-16 × 1 GR5 CRG
7	15058	BOLT, 3/8-16 × 1-1/2 GR5 CRG
8	15079-00	BOLT, 1/4-20 × 3/4 FLANGE GR5 CZP
9	15163-00	BOLT, 3/8 × 1 FLANGE NC
10	15250	WASHER, 5/16 FLAT
11	15260	WASHER, 3/8 SAE FLAT
12	15286-00	WASHER, 3/4 INTERNAL LOCK
13	15301	BOLT, 5/16-18 × 1 GR5 CRG
14	15388	NUT, 3/8-16 NYLOCK
15	15398	BOLT, 5/16 × 1-1/4 GR5 CRG
16	15409	WASHER, 5/16" ID 7/8" OD NYLON FLAT
17	15828-00	RIVET, AL BLIND 1/4 × 3/4 DOME HEAD
18	15904-00	NUT, 5/16-18 NYLOCK FLANGE
19	15905-00	NUT, 3/8-16 NYLOCK FLANGE
20	16698	SPRING, 1/2 × 2.00 LG
21	18549-00	CLAMP, CABLE MOUNT
22	33281-00	SENSOR, M18 PROXIMITY (replacement part)
23	34993-00	DECAL, CBC LOGO O&W TAGLINE 4.66 x 14.13
24	35220-00	DECAL, CBC WEB ADDRESS WHITE 0.96 x 15.00
25	69126	SPACER, IDLER PIVOT
26	72001-10	MOUNT, 6" DDC
27	72020-10	MOUNT, 6" KNEEBAR PROX SENSOR
28	72303-40	WELDMENT, KNEEBAR 6"
29	72413-00	ASSEMBLY, DDC ENCLOSURE (see DDC ENCLOSURE for part numbers)
30	74033-10	HINGE, EXTENSION TRAY
31	74157-10	LINK, PARALLEL
32	74202-10	WELDMENT, KNEEBAR PIVOT
33	78608-00	6" INFEED TRAY W/ CBC DECALS (Includes Items 23 & 24)
–	17320	STRAP, 11 IN BLACK TIE (not shown)
–	33294-00	HARNESS, 6" GAS DDC CONTROLLER (not shown)

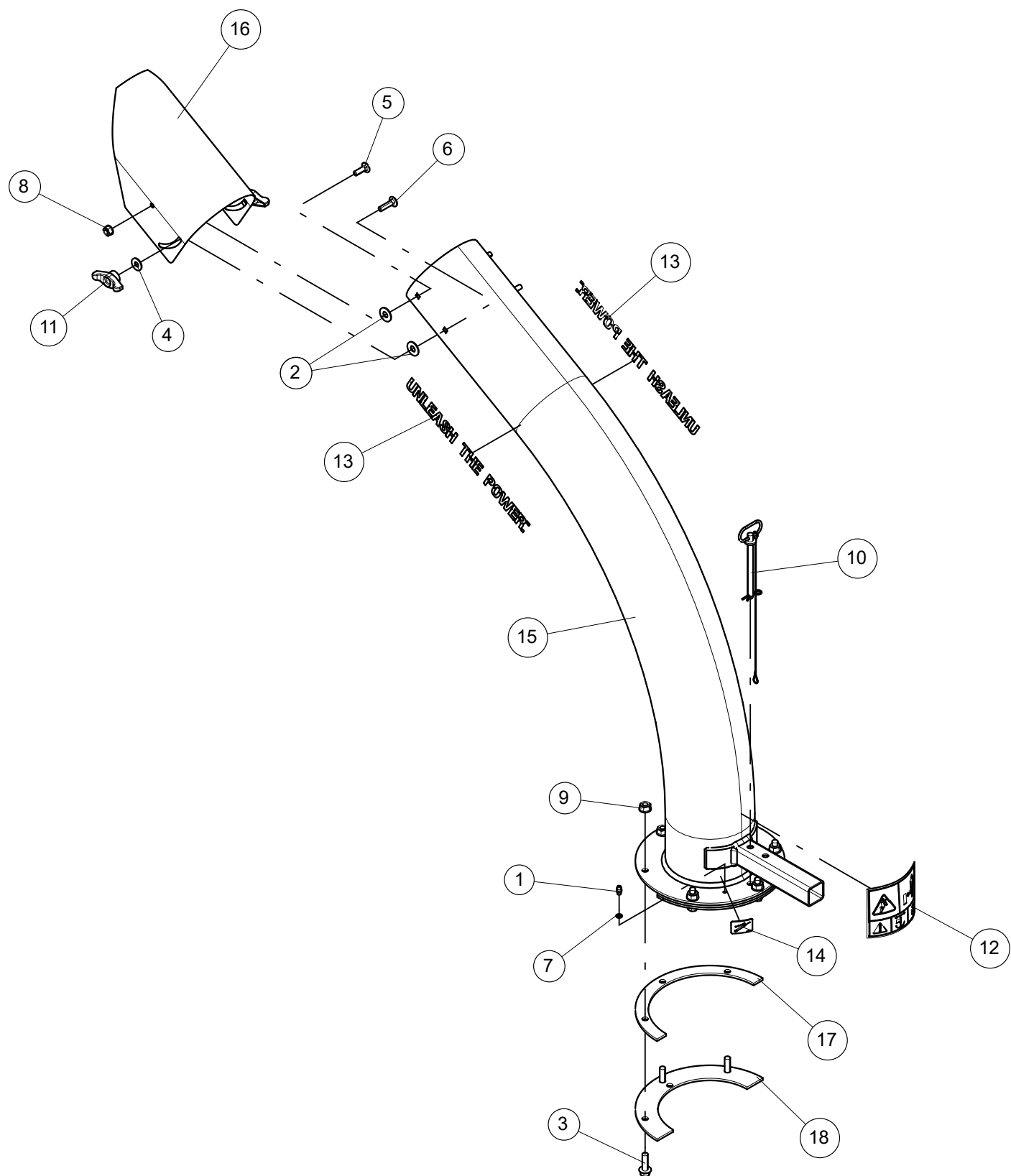
DDC ENCLOSURE



DDC ENCLOSURE

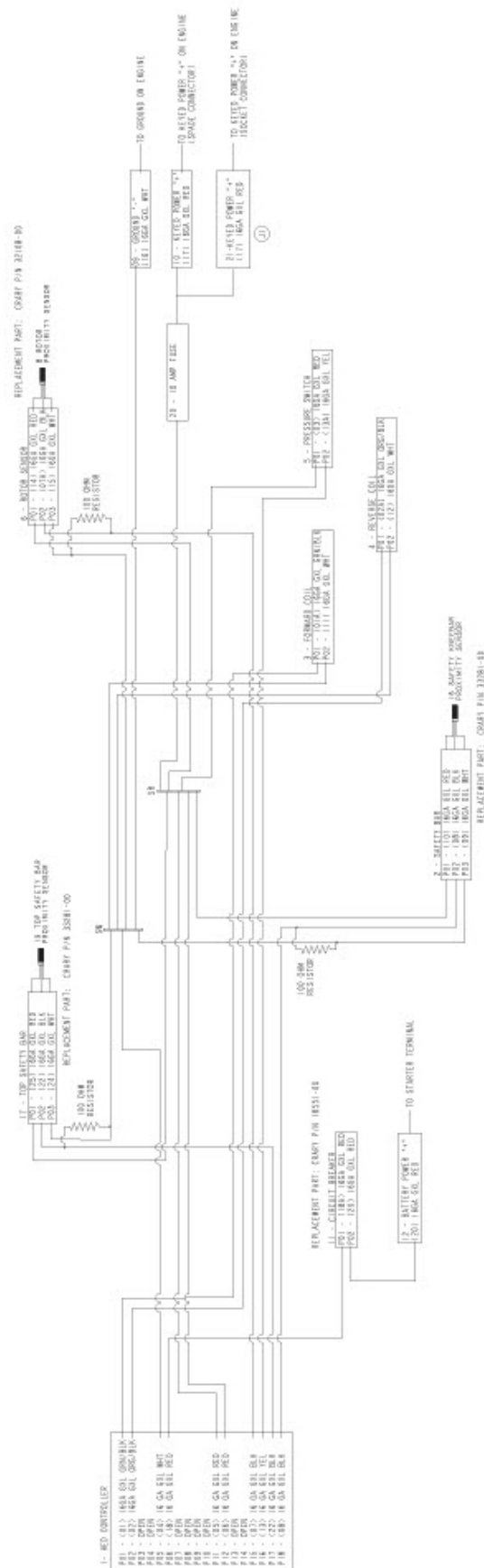
ITEM	PART NUMBER	DESCRIPTION
1	15057	BOLT, 3/8 × 1" GR5 CRG NC ZP
2	15260	WASHER, 3/8" SAE FLAT ZP
3	15287-00	SCREW, 10-16 3/4 LONG FOR PLASTIC
4	15388	NUT, 3/8" NE NYLOCK ZP
5	15817-00	SCREW, 8-32X 3/4 SKT HD CAP
6	15828-00	RIVET, AL BLIND 1/4 × 3/4 DOME
7	18549-00	CLAMP, CABLE MOUNT
8	33270-00	ENCLOSURE, CONTROLLER
9	33280-00	CONTROLLER, CL-709-100 MASTER
10	33298-00	DECAL, DDC MOUNTING INFO
11	72313-00	ASSEMBLY, ENCLOSURE COVER WITH DECAL (Includes Item 10)
12	72972-10	PLATE, DDC WASHER
—	17320	STRAP, 11 IN BLACK TIE (not shown)

DISCHARGE TUBE

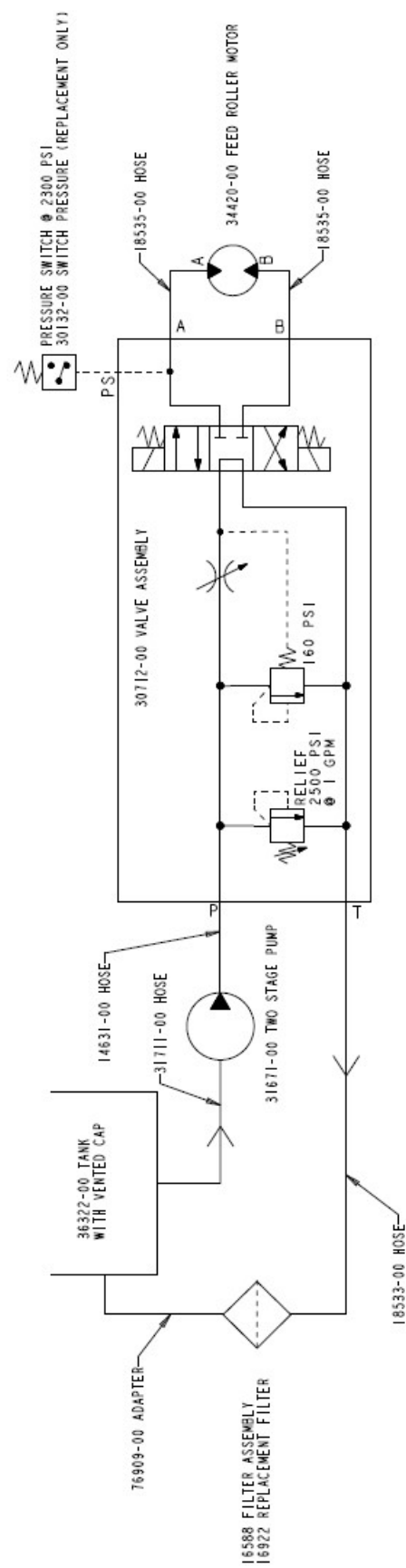


DISCHARGE TUBE

ITEM	PART NUMBER	DESCRIPTION
1	12275	ZERK, STRAIGHT 1/4-28 UNF MALE SELF-TAP .58 OVERALL LG
2	15031	WASHER, 3/8 FLAT
3	15109-00	BOLT, 3/8 × 1-1/4 FLANGE NC
4	15250	WASHER, 5/16" FLAT ZP
5	15301	BOLT, 5/16" × 1" GR5 CRG ZP
6	15398	BOLT, 5/16 × 1-1/4" GR5 CRG ZP
7	15584	WASHER, FLAT .254 × .400 × .048
8	15904-00	NUT, 5/16-18 NYLOCK FLANGE
9	15905-00	NUT, 3/8-16 NYLOCK FLANGE
10	30131-00	PIN, 3/8 × 4.25" DISCHARGE
11	31994-00	KNOB, 5/16-18 UNC TEE W/ LOCKING INSERT
12	32109-00	DECAL, DISCHARGE DEBRIS & LOCK
13	35222-00	DECAL, CBC TAGLINE O&W 1.18 x 12.90
14	35481-00	DECAL, GREASE GUN ICON
15	70166-00	ASSEMBLY, 6 INCH DISCHARGE CHUTE (Includes Items 1, 7, 12-14)
16	71081-10	DEFLECTOR, BLOWER VAC DISCHARGE
17	72452-10	SPACER, DISCHARGE PIVOT
18	72453-10	RING, DISCHARGE CLAMP



HYDRAULIC SCHEMATIC



SPECIFICATIONS

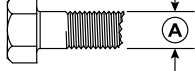
SPECIAL TORQUE REQUIREMENTS			
LOCATION	HARDWARE DESCRIPTION	TORQUE (UNIFIED INCH)	TORQUE (METRIC)
On chipper rotor, blade mounting cap screws	M16 × 2.0 × 3.0 hex HD with patch	120 ft-lbs.	162.7 Nm
Controller mounting hardware*	8-32 screws	20 in-lbs.	2.26 Nm
Back of controller	USB seal cap**	20 oz-in	0.14 Nm

*Use of medium strength thread locker required.

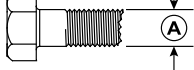
**If removing cap to program, cap and rubber washer must be reinstalled to correct torque to maintain IP67 seal.

BOLT TORQUE

The tables below are for reference purposes only and their use by anyone is entirely voluntary, unless otherwise noted. Reliance on their content for any purpose is at the sole risk of that person and any loss or damage resulting from the use of this information is the responsibility of that person.

SAE Grade and Head Markings	SAE 2	SAE 5	SAE 8	Bolt Diameter
				

BOLT DIAMETER (A)	BOLT TORQUE*					
	SAE 2		SAE 5		SAE 8	
	Nm	FT-LBS.	Nm	FT-LBS.	Nm	FT-LBS.
1/4"	7.5	5.5	11	8	16	12
5/16"	15	11	23	17	34	25
3/8"	27	20	41	30	61	45
7/16"	41	30	68	50	95	70
1/2"	68	50	102	75	149	110
9/16"	97	70	149	110	203	150
5/8"	122	90	203	150	312	230
3/4"	217	160	353	260	515	380
7/8"	230	170	542	400	814	600
1"	298	220	786	580	1220	900
1-1/8"	407	300	1085	800	1736	1280
1-1/4"	570	420	2631	1940	2468	1820

Metric Grade and Head Markings	4.8	8.8	10.9	12.9	Bolt Diameter
					

BOLT DIAMETER (A)	BOLT TORQUE*							
	4.8		8.8		10.9		12.9	
	Nm	FT-LBS.	Nm	FT-LBS.	Nm	FT-LBS.	Nm	FT-LBS.
M3	0.5	0.4	–	–	–	–	–	–
M4	3	2.2	–	–	–	–	–	–
M5	5	4	–	–	–	–	–	–
M6	6	4.5	11	8.5	17	12	19	14.5
M8	15	11	28	20	40	30	47	35
M10	29	21	55	40	80	60	95	70
M12	50	37	95	70	140	105	165	120
M14	80	60	150	110	225	165	260	190
M16	125	92	240	175	350	255	400	300
M18	175	125	330	250	475	350	560	410
M20	240	180	475	350	675	500	800	580
M22	330	250	650	475	925	675	1075	800
M24	425	310	825	600	1150	850	1350	1000
M27	625	450	1200	875	1700	1250	2000	1500

*Torque value for bolts and capscrews are identified by their head markings.

Torque figures indicated above are valid for non-greased or non-oiled threads and heads unless otherwise specified. Therefore, do not grease or oil bolts or capscrews unless otherwise specified in this manual. When using locking elements, increase torque values by 5%.

SERVICE PARTS & ACCESSORIES

PART NUMBER	DESCRIPTION
14519-00	COUPLER, 2-5/16 20,000 LB.
14900-00	HITCH, PINTLE RING 20,000 LB.
31605-00	TACH/HOUR METER KIT
70135-00	KIT, CH6627H ENGINE SHIELD
71930-00	KIT, 6" LOW PROFILE DISCHARGE CHUTE
78361-00	KIT, CHIPPER BLADE (1/2 INCH)
78862-00	KIT, ELECTRIC BRAKE
78921-00	KIT, SPARE TIRE HOLDER



2-5/16" Coupler, 14519-00



Pintle Ring Hitch, 14900-00



Tach / Hour Kit, 31605-00

CH6627H ENGINE SHIELD KIT

P/N: 70135-00

PART NUMBER	DESCRIPTION	QTY.
15057	BOLT, 3/8-16 x 1 CRG	5
15905-00	NUT, 3/8-16 NYLOCK FLANGE	5
77820-10	WELDMENT, ENGINE SHIELD	1



6" CHIPPER ELECTRIC BRAKES KIT

P/N: 78862-00

PART NUMBER	DESCRIPTION	QTY.
12304	WIRE HARNESS, CHIPPER BRAKES	1
12307	WIRE HARNESS, CHIPPER BRAKE GROUND	1
17320	STRAP, NYLON TIE	12
35504-00	BRAKE, LH 6" BRAKE ASSEMBLY	1
35506-00	BRAKE, RH 6" BRAKE ASSEMBLY	1
35507-00	HUB AND DRUM W/ HARDWARE	2

SERVICE PARTS & ACCESSORIES

6" LOW PROFILE DISCHARGE CHUTE KIT

P/N: 71930-00

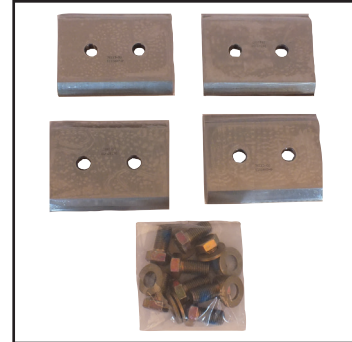
PART NUMBER	DESCRIPTION	QTY.
15109-00	BOLT, 3/8 x 1-1/4 FLANGE NC	6
15250	WASHER, 5/16 FLAT	6
15301	BOLT, 5/16 x 1 CRG	2
15398	BOLT, 5/16 x 1-1/4 CRG	2
15904-00	NUT, 5/16-18 NYLOCK FLANGE	2
15905-00	NUT, 3/8-16 NYLOCK FLANGE	6
30131-00	PIN, 3/8" x 4.25" DISCHARGE	1
31994-00	KNOB, 5/16-18 UNCTEE WITH LOCKING INSERT	2
71920-00	ASSEMBLY, 6" LOW PROFILE DISCHARGE	1
71931-10	CAP, 6" LOW PROFILE DISCHARGE	1
72452-10	SPACER, CHIPPER DISCHARGE	2
72453-10	CLAMP, CHIPPER DISCHARGE	2



1/2 INCH CHIPPER BLADE KIT

P/N: 78361-00

PART NUMBER	DESCRIPTION	QTY.
15770-00	WASHER, 5/8 SAE HRD	8
15833-00	BOLT, M16 x 2.0 x 30 HEX HD W/ PATCH	8
33797-00	BLADE, 30 DEGREE 1/2" CHIPPER	4



SPARE TIRE HOLDER KIT

P/N: 78921-00

PART NUMBER	DESCRIPTION	QTY.
0100-0140-00	BOLT, 1/2 x 1.00 LUG	2
15058	BOLT, 3/8-16 x 1-1/2 CRG	3
15527	NUT, 1/2 WHEEL	2
15905-00	NUT, 3/8-16 NYLOCK FLANGE	3
31289-00	ASSY, TIRE AND WHEEL 14 IN.	1
78385-00	KIT, CBC TIRE REGISTRATION	1
78916-10	WELDMENT, TIRE MOUNT BIG CHIPPER	1



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