



www.bearcatproducts.com

9 INCH CHIPPER

CH911DH - 1.1 L DIESEL KUBOTA

CH922DH - 2.2 L DIESEL KUBOTA

PARTS MANUAL



Manual P/N: 12139
Rev. 010113
Companion to P/N 16783
VIN Range: 5VJAA0000DW00001 to Current

Before You Begin

DEAR ECHO BEAR CAT CUSTOMER

Thank you for purchasing a ECHO Bear Cat product. The ECHO Bear Cat line is designed, tested, and manufactured to give years of dependable performance. To keep your machine operating at peak efficiency, it is necessary to adjust it correctly and make regular inspections. The following pages will assist you in the operation and maintenance of your machine. Please read and understand this manual before operating your machine.

If you have any questions or comments about this manual, please call us toll-free at 1.888.645.4520.

If you have any questions or problems with your machine, please call or write your local authorized ECHO Bear Cat Dealer.

This document is based on information available at the time of its publication. ECHO Bear Cat is continually making improvements and developing new equipment. In doing so, we reserve the right to make changes or add improvements to our product without obligation for equipment previously sold.

PLEASE SEND US YOUR WARRANTY CARD

A warranty card is included in your owner's kit packaged with your machine. Please take the time to fill in the information requested on the card. When you send your completed card to us, we will register your machine and start your coverage under our limited warranty or go to bearcatproducts.com/warranty/warranty-registration/.

FOR MACHINE SERVICE OR PARTS:

For service assistance, contact your nearest authorized ECHO Bear Cat dealer or the factory. For parts, contact your authorized dealer. The parts manual for your machine is available at http://bearcatproducts.com/main/support/index_html. Your dealer will need to know the identification number of your machine to provide the most efficient service. See below for information on how to identify and record the identification number for your machine.

FOR ENGINE SERVICE OR PARTS:

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

ORDERING PARTS

Only genuine ECHO 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 ECHO Bear Cat dealer.

Provide the following when ordering parts:

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

IDENTIFICATION NUMBER LOCATION

Your machine will have either a serial number or 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. Serial numbers are located on the machine body. They are 6-digit numbers.

Record your identification number in the space provided and on the warranty registration card.

SERIAL NUMBER OR VIN

HOW TO CONTACT ECHO BEAR CAT

ADDRESS	PHONE	E-MAIL	HOURS
237 NW 12th Street P.O. Box 849 West Fargo, ND 58078	888.645.4520 701.282.5520 FAX: 701.282.9522	sales@bearcatproducts.com service@bearcatproducts.com	Monday - Friday, 8 am to 5 pm Central Time

*Original Instructions

Is my machine CE Compliant?



The CE marking (also known as the "CE mark") is a mandatory compliance mark on products sold internationally where CE standards are enforced and in the European Economic Area (EEA). The CE marking certifies that a product has met European Union (EU) consumer safety, health or environmental requirements. By affixing the CE marking to our products, Echo Bear Cat declares that it meets EU safety, health and environmental requirements.



Echo Bear Cat products that are CE compliant will be clearly marked with an identifying "CE" decal. These products feature safety and other engineering features that non-CE compliant products do not have. Non-CE compliant Echo Bear Cat products are primarily sold in countries and regions that do not require or enforce mandatory CE certification. However, this is not true for all countries and regions. If you are unsure of CE requirements for the country or region in which you live, please contact your nearest Echo Bear Cat dealer or distributor.

Other CE Model Identifying Decals



Echo Bear Cat products that are CE compliant will also be labeled with a decibal level warning decal. This decal notes the decibal level of noise created while the machine is operating under normal conditions.



Machine Mass: XXX kg (XXX lb)
Nominal Power: XX kW (XXX cc)
@ XXXX RPM

CE compliant Echo Bear Cat products will also have a CE compliance information decal detailing weight and power specifications for the specific model on which it is found.

CE Compliant Decal Location

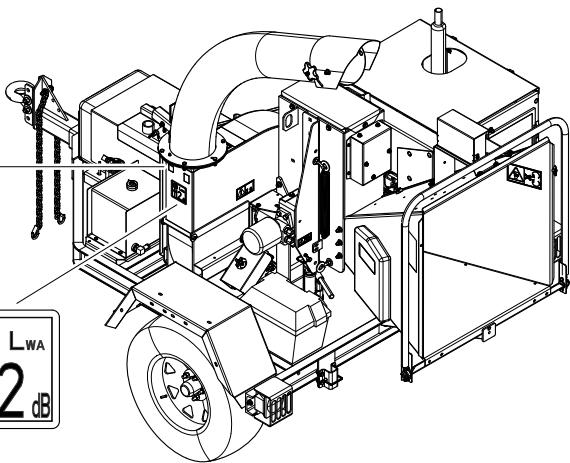
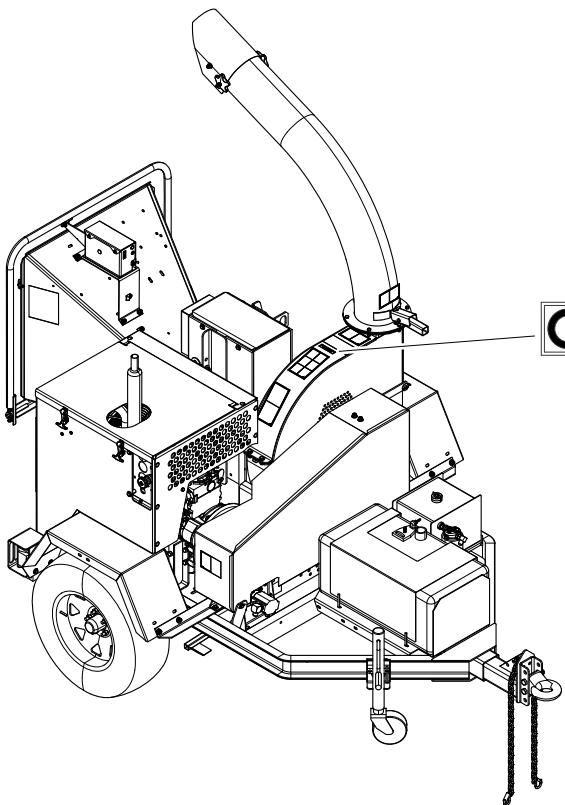
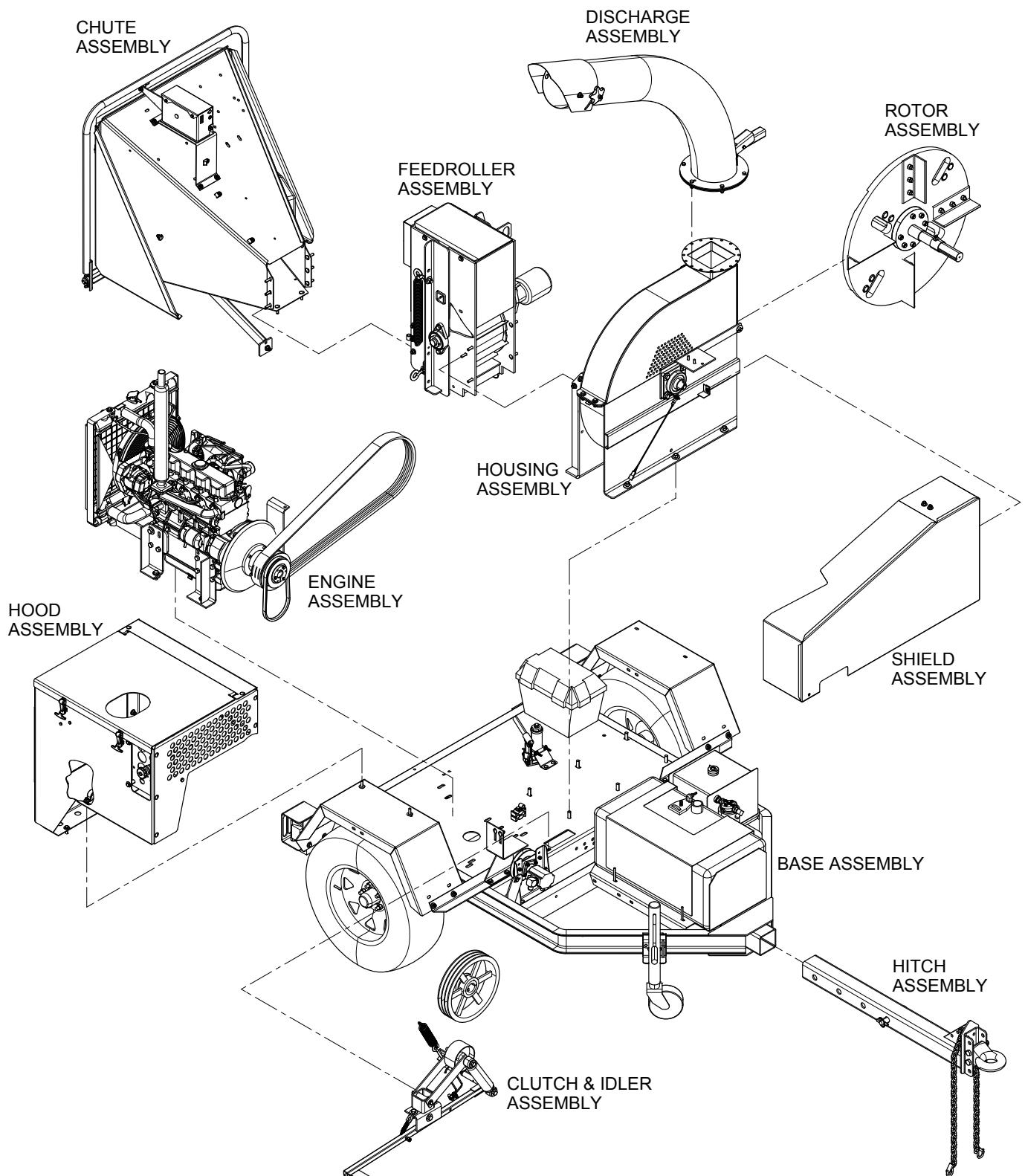
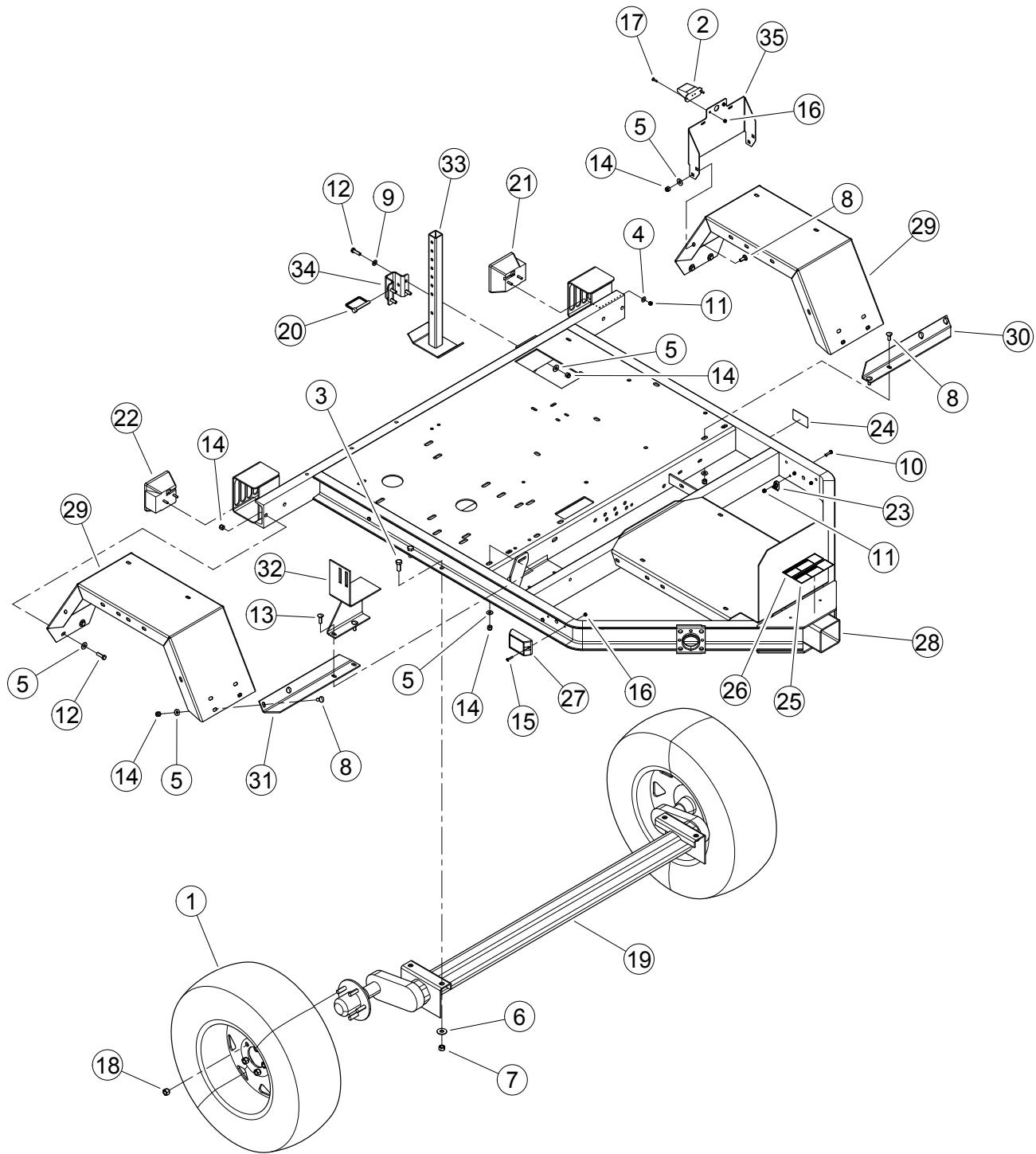


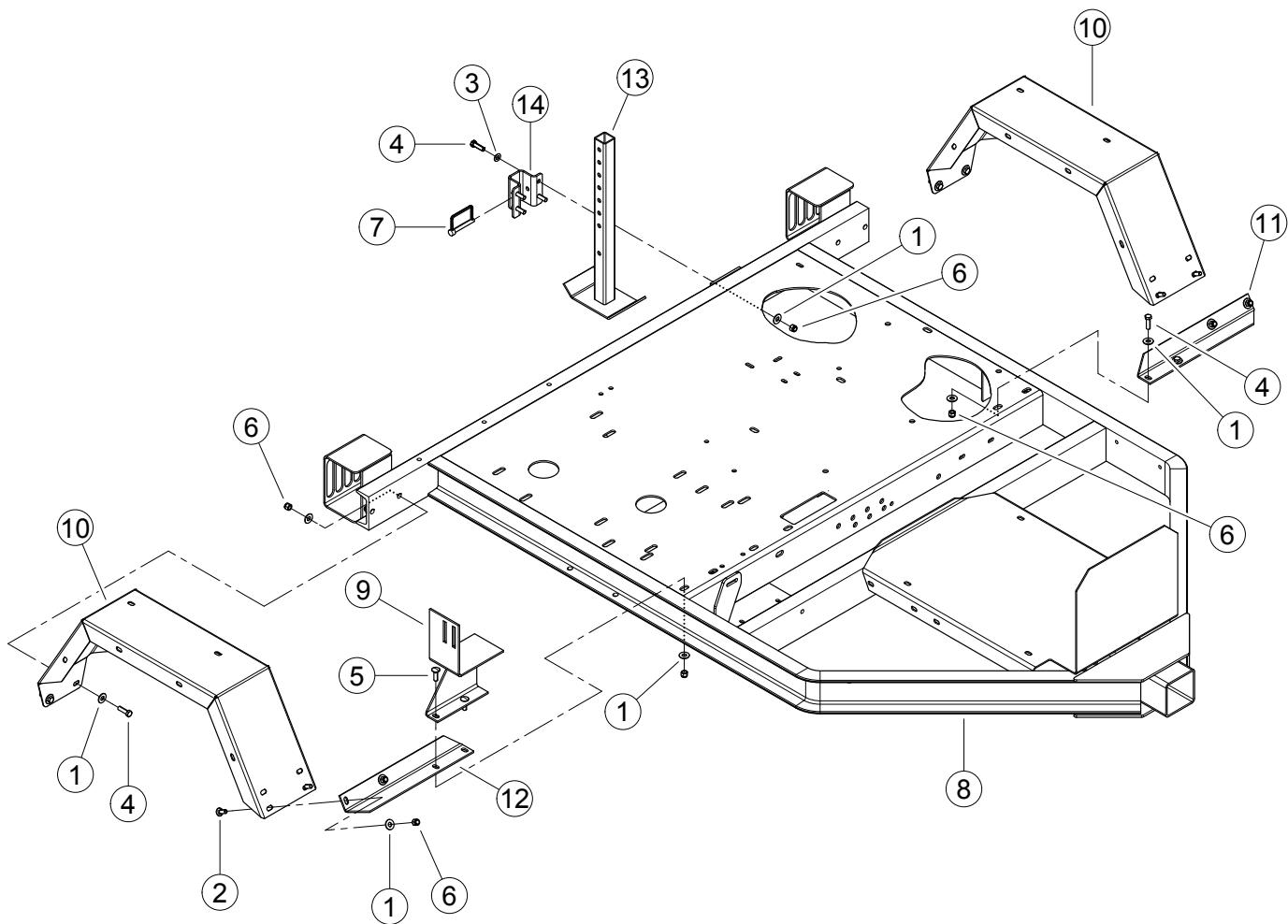
TABLE OF CONTENTS

DESCRIPTION	PAGE
FRAME (A).....	2
NON-CE COMPLIANT	
FRAME (A).....	4
CE COMPLIANT	
FRAME (B).....	6
HOUSING.....	8
ACCESS COVER.....	10
SHIELDS.....	11
FEED ROLLER.....	12
ENGINE.....	14
CH911DH	
ENGINE.....	16
CH922DH	
IDLER.....	18
HOOD.....	20
CH911DH	
HOOD.....	22
CH922DH	
CHUTE	24
NON-CE COMPLIANT	
CHUTE (A)	26
CE COMPLIANT	
CHUTE (B)	28
CE COMPLIANT	
DISCHARGE CHUTE.....	30
SWITCH BOX.....	32
HITCH.....	34
HYDRAULIC	35
ENGINE WIRING SCHEMATIC	36
CH911DH WITH 28 HP KUBOTA	
ENGINE WIRING SCHEMATIC	37
CH922DH WITH 50 HP KUBOTA	
HYDRAULIC SCHEMATIC	38
ELECTRICAL SCHEMATIC.....	39
SERVICE PARTS & ACCESSORIES	40

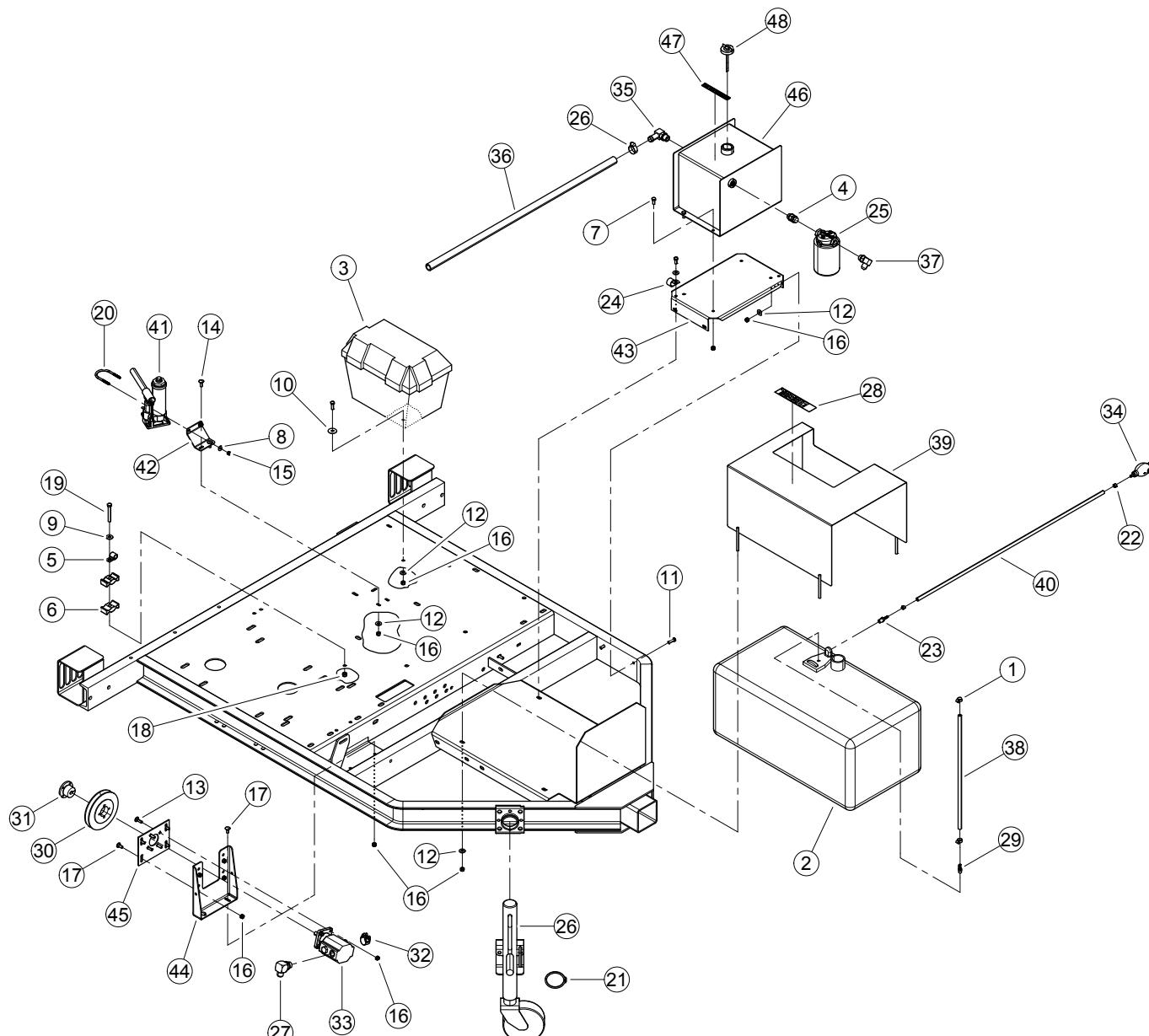




ITEM	PART NUMBER	DESCRIPTION
1	12125	ASSEMBLY, 15 IN. TIRE & WHEEL
2	14368-00	LIGHT, LICENSE PLATE
3	15013	BOLT, 1/2 X 1-1/4 HEX GR5 NC ZP
4	15030	WASHER, 1/4 FLAT ZP
5	15031	WASHER, 3/8 FLAT ZP
6	15034	WASHER, 1/2 FLAT ZP
7	15049	NUT, 1/2 CENTERLOCK GRB ZP
8	15057	BOLT, 3/8 X 1 CRG GR5 NC ZP
9	15260	WASHER, 3/8 SAE FLAT ZP
10	15284	BOLT, 1/4 X 1 HEX GR8 ZP
11	15355	NUT, 1/4 NE NYLOCK ZP
12	15364	BOLT, 3/8 X 1-1/4 HEX GR5 ZP
13	15378	BOLT, 3/8 X 1-1/4 CRG GR5 NC ZP
14	15388	NUT, 3/8 NE NYLOCK ZP
15	15393	MACH. SCREW, 10-24 X 1 RND HD PHL ZP
16	15397	NUT, 10/24 NYLOCK TYPE NM ZP
17	15460	MACH. SCREW, #10-24 X 3/4 PAN HD PH ZP
18	15527	NUT, 1/2 -20 WHEEL
19	16764	AXLE, 3000 LB. TORSION
20	16808	PIN, 3/8 X 2-3/4 SNAP
21	16903	LIGHT, LH TAIL
22	16904	LIGHT, RH TAIL
23	18549-00	CLAMP, CABLE MOUNT
24	32154-00	DECAL, P215/70R15 LOAD RATING
25	32328-00	DECAL, TRAILER ELECTRICAL
26	32330-00	DECAL, CHECK WHEELS
27	32347-00	LIGHT, AMBER SIDE MARKER
28	71508	WELDMENT, CHIPPER TRAILER
29	71534	FENDER, HEAVY DUTY
30	71545	ANGLE, FENDER MOUNT LH
31	71587	ANGLE, FENDER MOUNT RH
32	72668-12	WELDMENT, BELT GUIDE
33	73449-12	WELDMENT, REAR STABILIZER
34	73450-12	GUIDE, TRAILER SUPPORT
35	75183-12	BRACKET, LICENSE PLATE
	17320	STRAP, 11 IN BLACK TIE (NOT SHOWN)
	32324-00	Harness, CHIPPER TRAILER
	71707	CONDUIT, 1/4 X 158 WIRE (NOT SHOWN)
	71708	CONDUIT, 1/4 X 47 WIRE (NOT SHOWN)

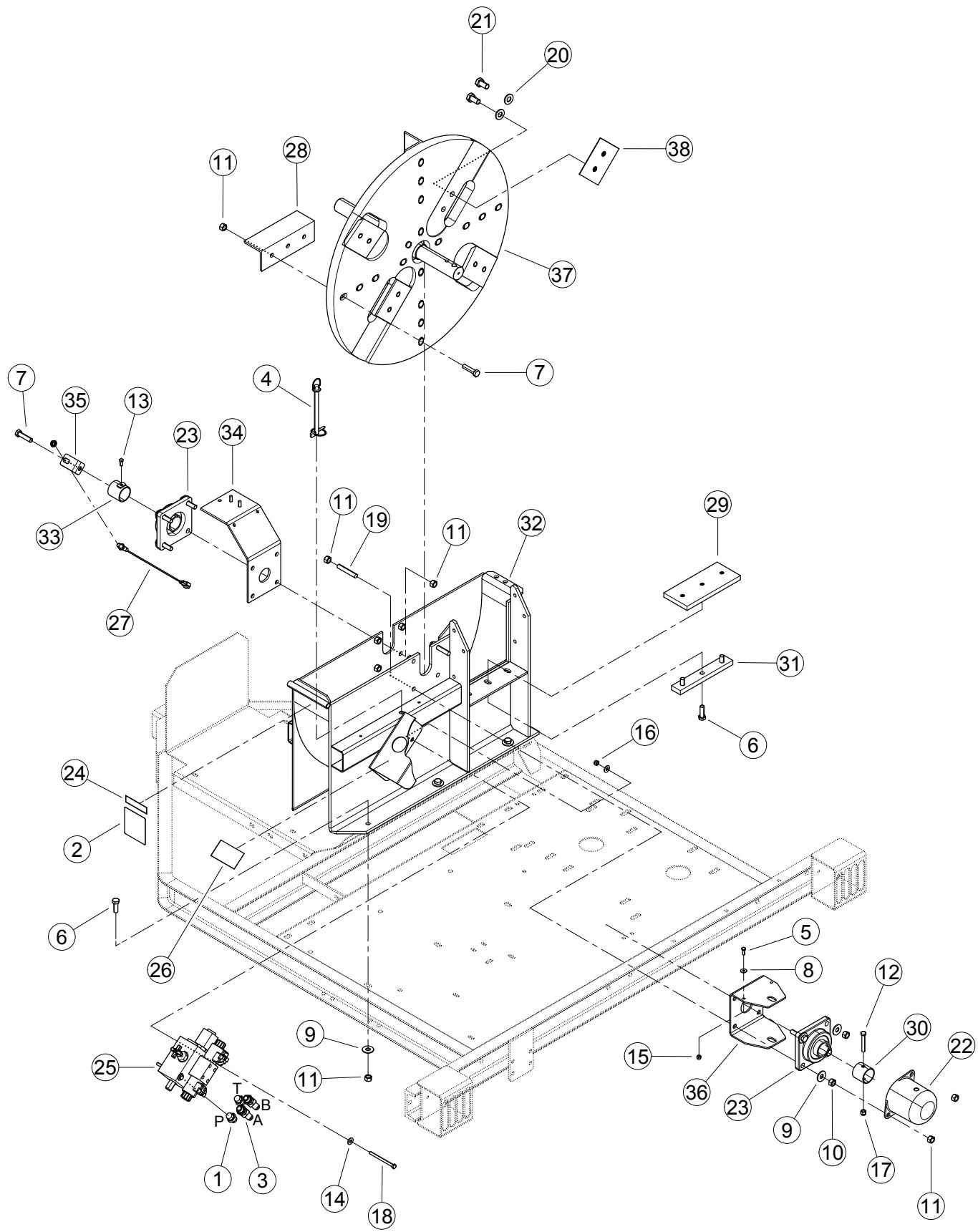


ITEM	PART NUMBER	DESCRIPTION
1	15031	WASHER, 3/8 FLAT ZP
2	15057	BOLT, 3/8 X 1 CRG GR5 NC ZP
3	15260	WASHER, 3/8 SAE FLAT ZP
4	15364	BOLT, 3/8 X 1-1/4 HEX HD GR5 ZP
5	15378	BOLT, 3/8 X 1-1/4 CRG GR5 NC ZP
6	15388	NUT, 3/8 NE NYLOCK ZP
7	16808	PIN, 3/8" X 2-3/4" SNAP
8	71965-12	WELDMENT, CHIPPER TRAILER
9	72668-12	WELDMENT, BELT GUIDE
10	73122-12	FENDER, HEAVY DUTY
11	73194-12	ANGLE, LH FENDER SUPPORT
12	73195-12	ANGLE, RH FENDER SUPPORT
13	73449-12	WELDMENT, REAR STABILIZER
14	73450-12	GUIDE, TRAILER SUPPORT

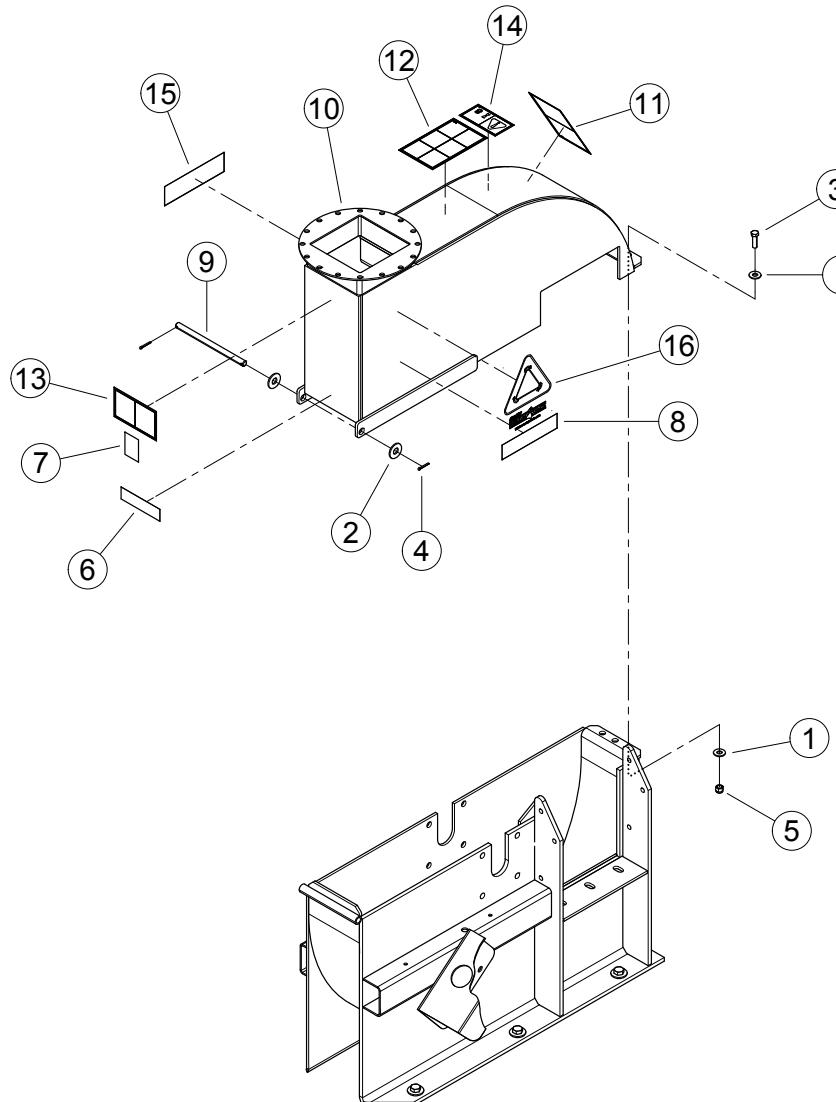


ITEM	PART NUMBER	DESCRIPTION
1	0123-0429-00	CLAMP, HOSE 5/16 X 5/8 DIA. MAX.
2	12053	TANK, 19 GAL FUEL
3	12271	BOX, PLASTIC BATTERY
4	12339	ADAPTER, -8 MORING / -8 MJIC
5	14048-00	CLAMP, 9/16 COATED
6	14157-00	CLAMP, PLASTIC OSE
7	15003	BOLT, 5/16 X 3/4 HEX HD GR5 ZP
8	15030	WASHER, 1/4 FLAT ZP

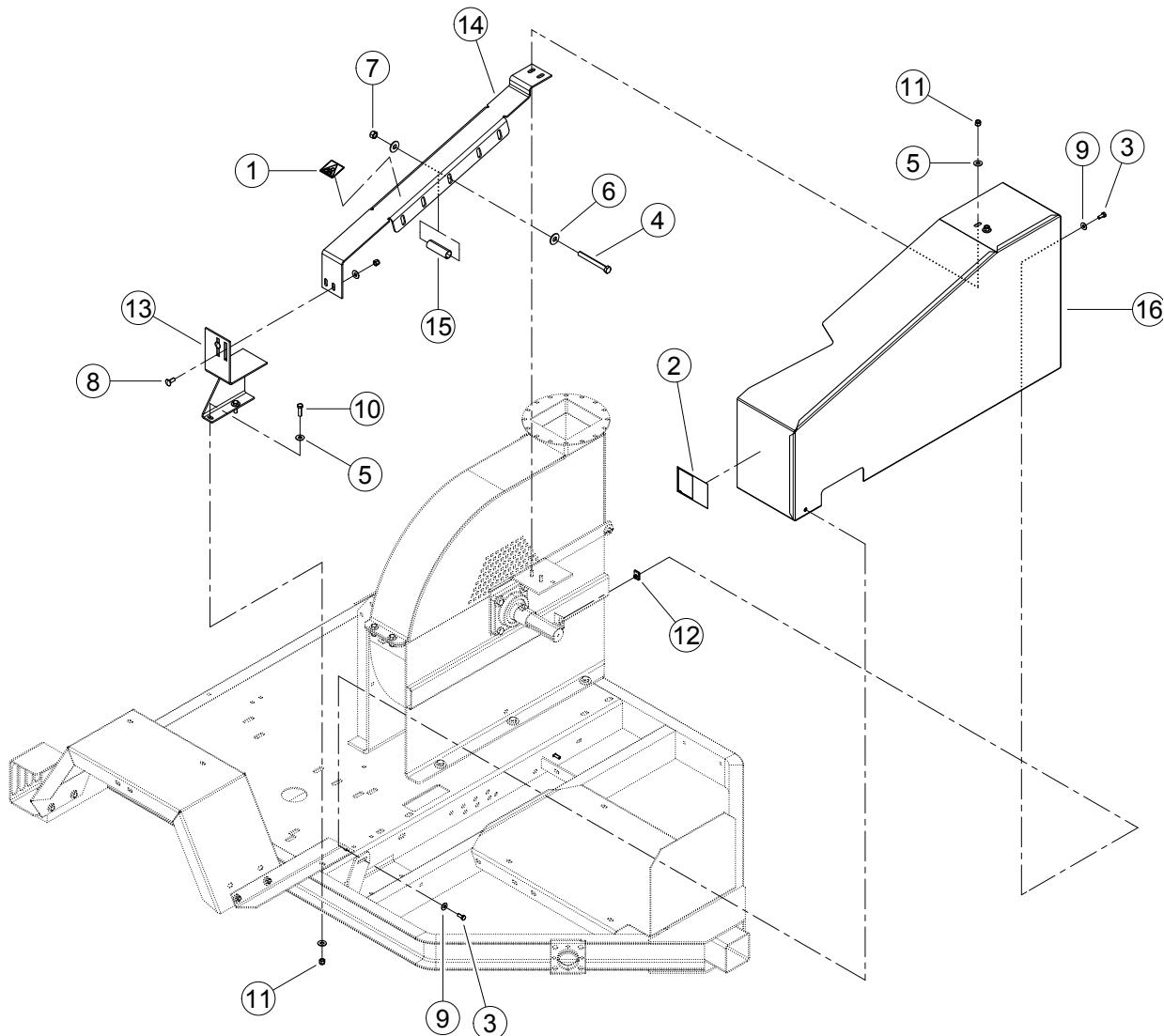
9	15031	WASHER, 3/8 FLAT ZP
10	15040	WASHER, 5/16 FENDER ZP
11	15219	BOLT, 5/16 X 1 HHCS GR5 NC ZP
12	15250	WASHER, 5/16 FLAT ZP
13	15301	BOLT, 5/16 X 1 CRG GR5 ZP
14	15349	BOLT, 5/16 X 7/98CRG GR5 NC ZP
15	15355	NUT, 1/4 NE NYLOCK ZP
16	15356	NUT, 5/16 NE NYLOCK ZP
17	15367	BOLT, 5/16 X 3/4 CRG GR5 NC ZP
18	15388	NUT, 3/8 NE NYLOCK ZP
19	15437	BOLT, 3/8 X 2-3/4 HHCS GR5 NC ZP
20	15768-00	U-BOLT, 1/4 X 1-1/2 PIPE
21	15841-00	SNAP RING, 2-1/2 EXTERNAL
22	16378	CLAMP, 15/32 SPRING
23	16379	FITTING, 1/4 NPT. X 1/4 HOSE
24	16414	CLAMP, 1 IN. COATED METAL
25	16588	FILTER, SPIN-ON
26	16616	JACK, PIVOTING W/SWIVEL CASTOR
27	16638	ADAPTER, -10 MORING / -10 MJIC 90 DEG.
28	16778	DECAL, DIESEL FUEL
29	16848	FITTING, 1/8 MNPT X 1/4 HOSE
30	18704-00	SHEAVE, QT 1B5.6
31	18705-00	BUSHING, QT 1/2
32	31425-00	CLAMP, 1-5/32 TO 7/32 OD RANGE T-BOLT
33	31671-00	PUMP, 2 STAGE CW HI/LO 0.605 DISP.
34	31696-00	PUMP, HAND PRIMER
35	36017-00	ADAPTER, -10 MORING / .75 90 DEG. HOSE
36	36098-00	HOSE, .75 ID. X 38 IN. 100R4 HYD.
37	41287	ADAPTER, -8 MORING / -8 MJIC 90 DEG.
38	71590	HOSE, 76 IN. FUEL RETURN
39	72256-12	WELDMENT, FUEL TANK CLAMP
40	73079	HOSE, 38 IN. FUEL LINE
41	73722-12	JACK, HYDRAULIC 2 TON
42	74981-12	PLATE, JACK MOUNT
43	75963-12	SHEET, TANK MOUNT
44	75965-12	BRACKET, MOUNT HYDRAULIC PUMP
45	77090-12	PLATE, PUMP MOUNT
46	77122-00	ASSEMBLY, HYD. TANK 3.25 GAL, SERVICE PART (INCLUDES ITEMS 47 & 48)
47	16897	DECAL, HYDRAULIC FLUID
48	18518-00	CAP, W/DIPSTICK
48	77090-12	PLATE, PUMP MOUNT



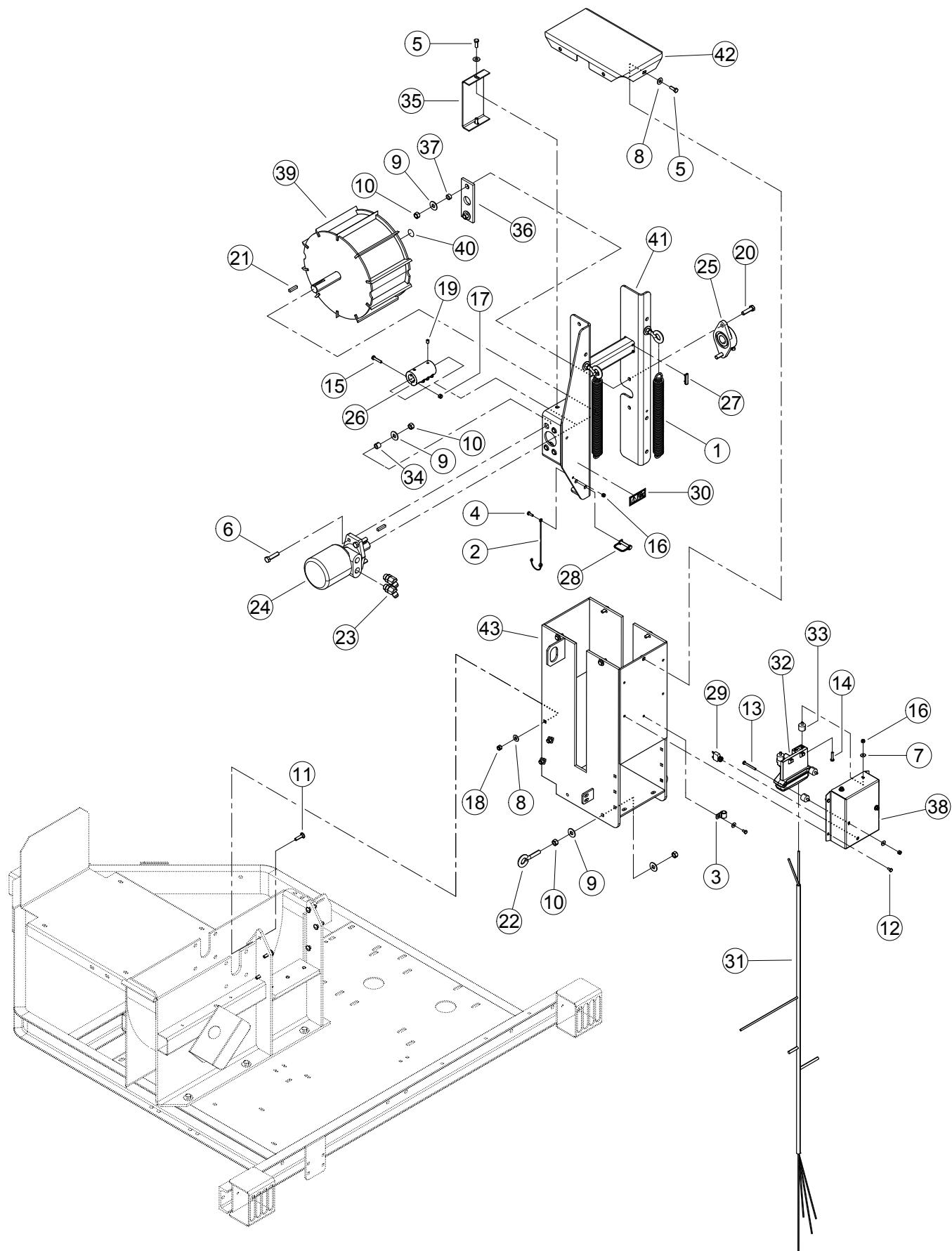
ITEM	PART NUMBER	DESCRIPTION
1	12615	ADAPTER, -8 MORING / -8 MJIC
2	14343-00	DECAL, 112 DB (CE COMPLIANT MODELS)
3	14417-00	ADAPTER, -8 MORB / -8 MJIC 45 DEG.
4	14544-00	PIN, HITCH 1/2 X 6-1/2 W/LYNCH
5	15001	BOLT, 1/4 X 3/4 HEX HD GR5 ZP
6	15014	BOLT, 1/2 X 1-1/2 HEX HD GR5 ZP
7	15015	BOLT, 1/2 X 2 HEX HD GR5 ZP
8	15030	WASHER, 1/4 FLAT ZP
9	15034	WASHER, 1/2 FLAT ZP
10	15043	NUT, 1/2 HEX NC ZP
11	15049	NUT, 1/2 CENTERLOCK GRB ZP
12	15116	BOLT, 3/8 X 2-1/2 HHCS GR5 ZP
13	15131	SCREW, 5/16-18 X 5/8 SQ HD SET
14	15250	WASHER, 5/16 FLAT ZP
15	15355	NUT, 1/4 NE NYLOCK ZP
16	15356	NUT, 5/16 NE NYLOCK ZP
17	15388	NUT, 3/8 NE NYLOCK ZP
18	15417	BOLT, 5/16 X 4 HHCS GR5 ZP
19	15481	STUD, 1/2-13 X 3 LG B7 ZP
20	15770-00	WASHER, 5/8 SAE HARDENED
21	15833-00	BOLT, M16 X 2 X 30 HEX HD W/PATCH
22	16460	CAP, LARGE SHAFT
23	16553	BEARING, 1-3/4 4 BOLT FLANGE
24	18475-00	DECAL, 74950S INFO (CE COMPLIANT MODELS)
25	18527-00	ASSEMBLY, CHIPPER VALVE
	18602-00	SWITCH, PRESSURE
26	18556-00	DECAL, FEED SPEED
27	32108-00	SENSOR, M12 PNP PROXIMITY
28	71123	PADDLE, BIG CHIPPER
29	71132-12	PLATE, CHIPPER BOTTOM
30	71280	COLLAR, CHIPPER LOCK
31	72173-12	SPACER, CHIPPER ANVIL
32	72196-35	WELDMENT, CHIPPER BOTTOM
33	73354-12	WELDMENT, SPACER
34	73708-12	WELDMENT, GUARD SUPPORT
35	75951-12	BRACKET, SENSOR SHORT MOUNT
36	75960-12	BRACKET, DISK LOCK
37	76287-00	ASSEMBLY, 9 IN. CHIPPER DISK
38		BLADE, BIG CHIPPER (FOR SERVICE ORDER KIT 76293-00)
	76293-00	KIT, CHIPPER BLADE
	12530	LANYARD, NYLON (NOT SHOWN)



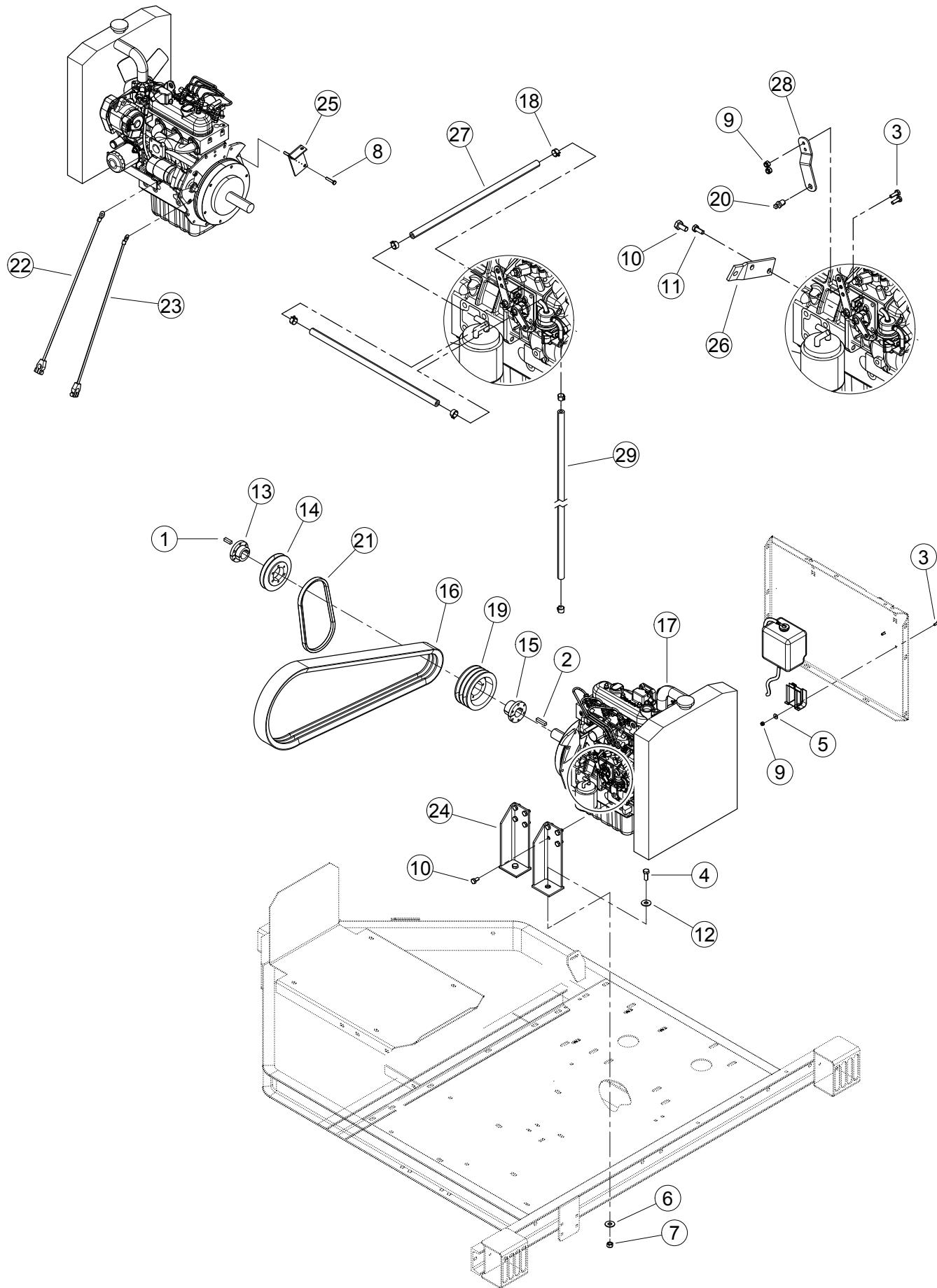
ITEM	PART NUMBER	DESCRIPTION
1	15031	WASHER, 3/8 FLAT ZP
2	15034	WASHER, 1/2 FLAT ZP
3	15364	BOLT, 3/8 X 1-1/4 HEX HD GR5 ZP
4	15375	PIN, 1/8 X 1 COTTER
5	15388	NUT, 3/8 NE NYLOCK ZP
6	31890-00	DECAL, ATLANTIC BRIDGE LTD INFO (CE COMPLIANT MODELS)
7	32392-00	DECAL, ECHO BEARCAT QR CODE
8	36040-00	DECAL, MODEL CH911DH
	36041-00	DECAL, MODEL CH922DH
9	71329	SHAFT, CHIPPER TOP PIVOT
10	77123-00	ASSEMBLY, CHIPPER TOP HOUSING, SERVICE PART (INCLUDES ITEMS 11 - 16)
11	12169	DECAL, KNIFE ACCESS ISO
12	12172	DECAL, OPERATING INSTRUCTIONS ISO
13	12173	DECAL, DISCHARGE ISO
14	12250	DECAL, MAINTENANCE ISO
15	17913	DECAL, ECHO BEARCAT 6.82 X 1.90
16	31391-00	DECAL, CHIP IT



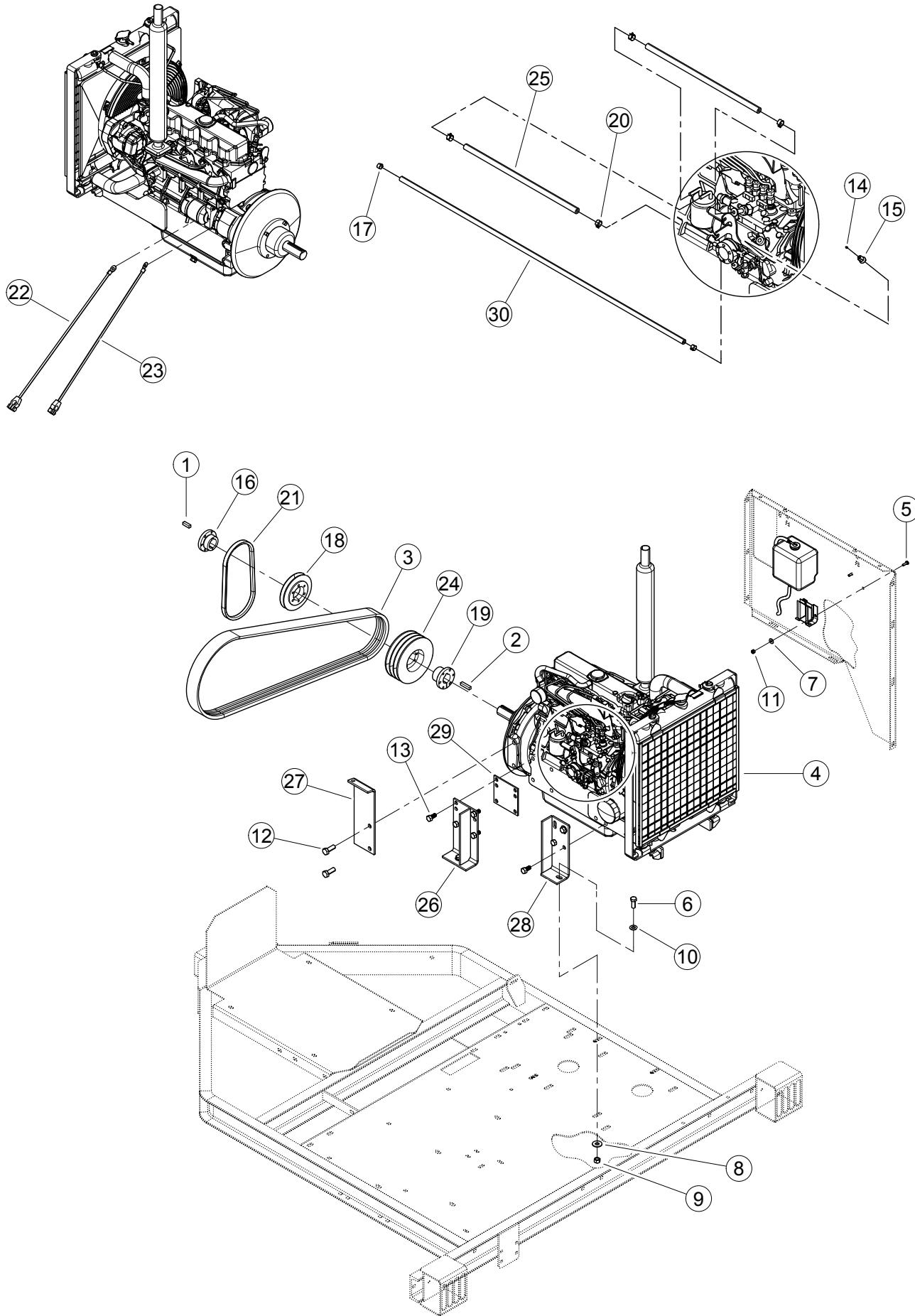
ITEM	PART NUMBER	DESCRIPTION
1	12174	DECAL, SHIELD DANGER ISO
2	12183	DECAL, CLUTCH ENGAGEMENT ISO
3	15003	BOLT, 5/16 X 3/4 HEX HD GR5 ZP
4	15017	BOLT, 1/2 X 4-1/2 HHCS GR5 NC ZP
5	15031	WASHER, 3/8 FLAT ZP
6	15034	WASHER, 1/2 FLAT ZP
7	15049	NUT, 1/2 CENTERLOCK GRB ZP
8	15057	BOLT, 3/8 X 1 CRG GR5 ZP
9	15250	WASHER, 5/16 FLAT ZP
10	15364	BOLT, 3/8 X 1-1/4 HEX HD GR5 ZP
11	15388	NUT, 3/8 NE NYLOCK ZP
12	15402	NUT, 5/16-18 TINNERMAN U-TYPE
13	72668-12	WELDMENT, BELT GUIDE
14	73679-12	SHIELD, BELT
15	74466-00	SPACER, TUBE 1 OD X .5 ID X 3.13
16	75971-12	WELDMENT, 50 HP BELT GUARD



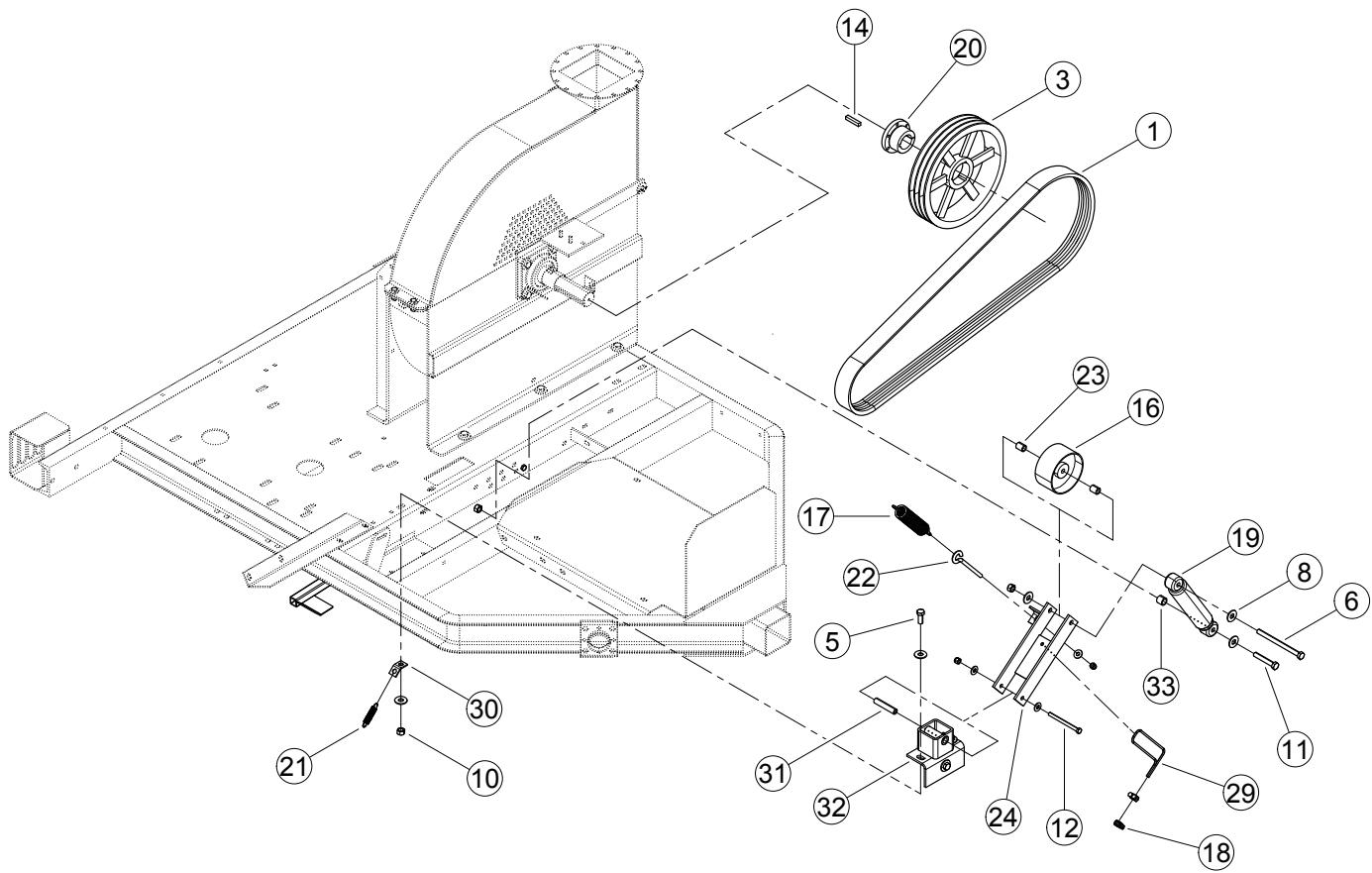
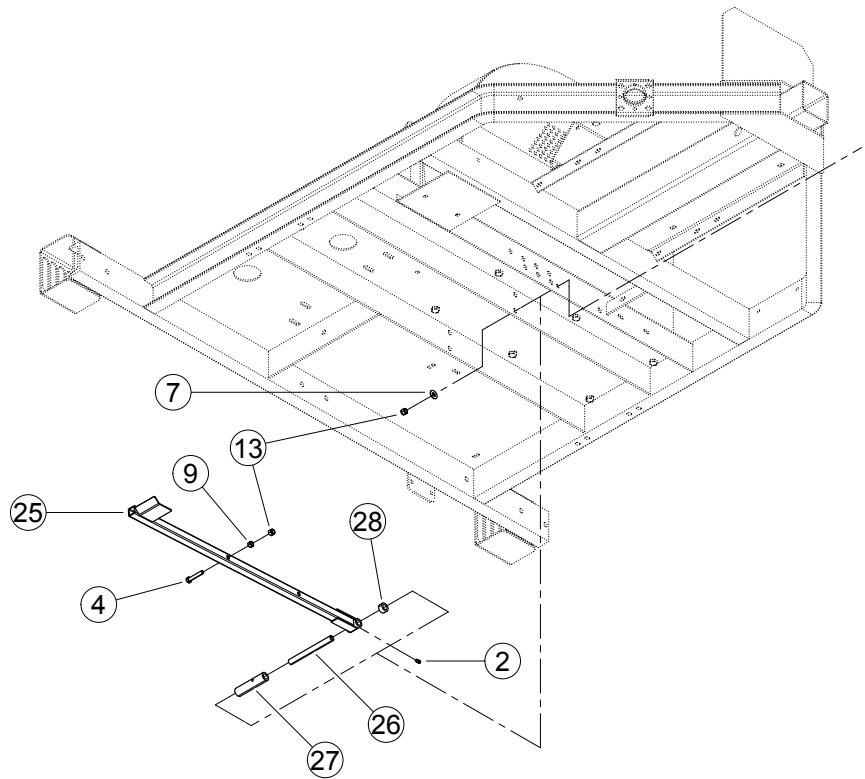
ITEM	PART NUMBER	DESCRIPTION
1	12504-12	SPRING, EXTENSION
2	12530	LANYARD, NYLON
3	14048-00	CLAMP, 9/16 COATED
4	15001	BOLT, 1/4 X 3/4 HEX HD GR5 ZP
5	15006	BOLT, 3/8 X 1 HEX HD GR5 ZP
6	15015	BOLT, 1/2 X 2 HEX HD GR5 ZP
7	15030	WASHER, 1/4 FLAT ZP
8	15031	WASHER, 3/8 FLAT ZP
9	15034	WASHER, 1/2 FLAT ZP
10	15049	NUT, 1/2 CENTERLOCK GRB ZP
11	15058	BOLT, 3/8 X 1-1/2 CRG GR5 NC ZP
12	15179	BOLT, 1/4 X 1/2 HCS GR5 ZP
13	15197	BOLT, 1/4 X 2-1/4 HCS GR5 ZP
14	15214	BOLT, 1/4 X 1-1/4 HCS GR5 ZP
15	15282	BOLT 5/16 X 1-1/2 HEX HD GR5 ZP
16	15355	NUT, 1/4 NE NYLOCK ZP
17	15356	NUT, 5/16 NE NYLOCK ZP
18	15388	NUT, 3/8 NE NYLOCK ZP
19	15461	SET SCREW, 3/8 X 1/2 CUP PT SKT
20	15478	BOLT, 1/2 X 1-3/4 HCPS GR5 NC ZP
21	15498	KEY, 5/16 X 1-1/2 SQUARE
22	15502	I-BOLT, 1/2 X 2 ZP
23	16067	ADAPTER, -10 MORING / -8 MJIC 45 DEG.
24	16586	MOTOR, 45 CU. IN. HYDRAULIC
25	16682	BEARING, 1-1/4 DIA. 2 BOLT FLANGE
26	16683	COUPLER, 1-1/4 SHAFT
27	17434	WEAR PAD, STD. SPRING HD FRONT
28	17879	PIN, SHAP 3/8 X 1-1/2 USEABLE LENGTH
29	18551-00	CIRCUIT BREAKER, 10 AMP RESETTABLE
30	18983-00	DECAL, CRUSHING ISO
31	32107-00	HARNESS, 9" DIESEL PLUS 1 CONTROLLER
32	36258-00	CONTROLLER, PLUS 1 CHIPPER
33	36261-00	BUMPER, 1 OD. W/1-1/4 STUD
34	70534	SPACER, .75 X .62
35	71335	SHIELD, COUPLER
36	73248	BEARING, SLIDE
37	73249	SPACER, .75 OD. X .5 ID. X .37
38	75961-12	ENCLOSURE, PLUS 1 MOUNT
39	77135-00	ASSEMBLY, TOP GRAB ROLLER SERVICE PART (INCLUDES ITEM 40)
40	18061-00	DECAL, ROTATING SHAFT
41	77150-12	WELDMENT, ROLLER SLIDE
42	77151-35	WELDMENT, TOP ROLLER COVER
43	77152-35	WELDMENT, ROLLER SUPPORT
	36391-00	PLUG, JUMPER HARNESS



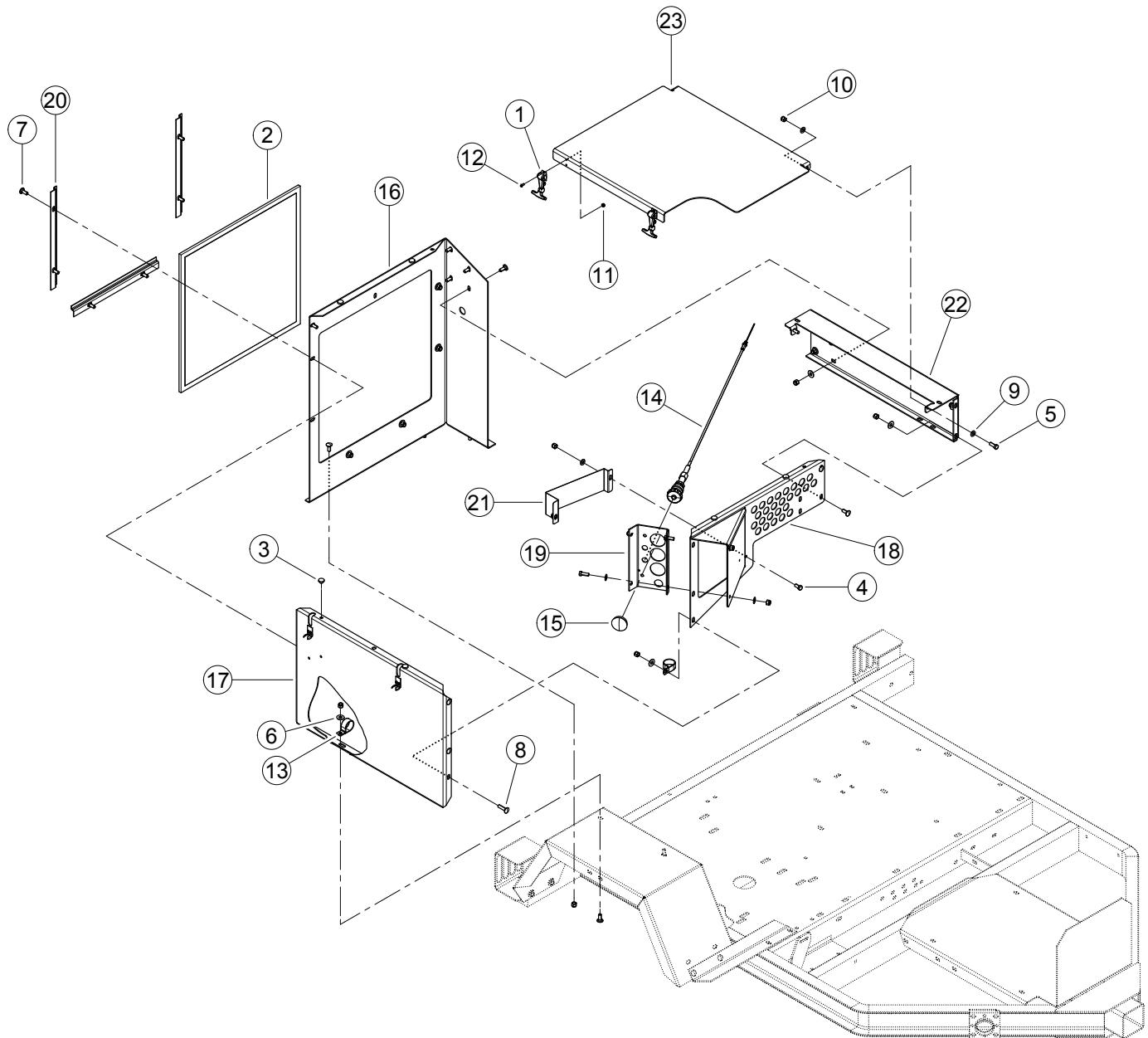
ITEM	PART NUMBER	DESCRIPTION
1	0122-0231-00	KEY, 3/8 SQUARE X 1-1/4 LONG
2	0122-0236-00	KEY, 3/8 SQUARE X 1-3/4 LONG
3	15001	BOLT, 1/4 X 3/4 HEX HD GR5 ZP
4	15013	BOLT, 1/2 X 1-1/4 HEX HD GR5 ZP
5	15030	WASHER, 1/4 FLAT ZP
6	15034	WASHER, 1/2 FLAT ZP
7	15049	NUT, 1/2 CENTERLOCK GRB ZP
8	15282	BOLT, 5/16 X 1 CRG GR5 ZP
9	15355	NUT, 1/4 NE NYLOCK ZP
10	15518	BOLT, M 10-1.25 X 20 HHD GR8.8 ZP
11	15519	BOLT, M 8-1.25 X 20 HHD GR8.8 ZP
12	15762-00	WASHER, 1/2 HI-STRENGTH SAE ZP
13	16327	BUSHING, SDS 1-7/16
14	16482	SHEAVE, 1B5.2 SDS
15	16552	BUSHING, SD 1-7/16
16	16559	BELT, 3B83 BANDED
17	16779	ENGINE, KUBOTA DIESEL
18	16806	CLAMP, 9/16 SPRING
19	17026	SHEAVE, 3BQ5.6 SD
20	17165	CABLE STOP, BOWDEN PIN #6170
21	18531-00	BELT, BX30
22	31256-00	CABLE, 72 IN. POSITIVE BATTERY
23	31374-00	CABLE, 72 IN. NEGATIVE BATTERY
24	71514	WELDMENT, ENGINE MOUNT
25	71525	ANGLE, SPRING ANCHOR
26	71563	STRIP, CABLE ANCHOR
27	71696	HOSE, 15 IN. FUEL LINE
28	71720	STRIP, THROTTLE CONTROL
29	73079	HOSE, 38 IN. FUEL LINE



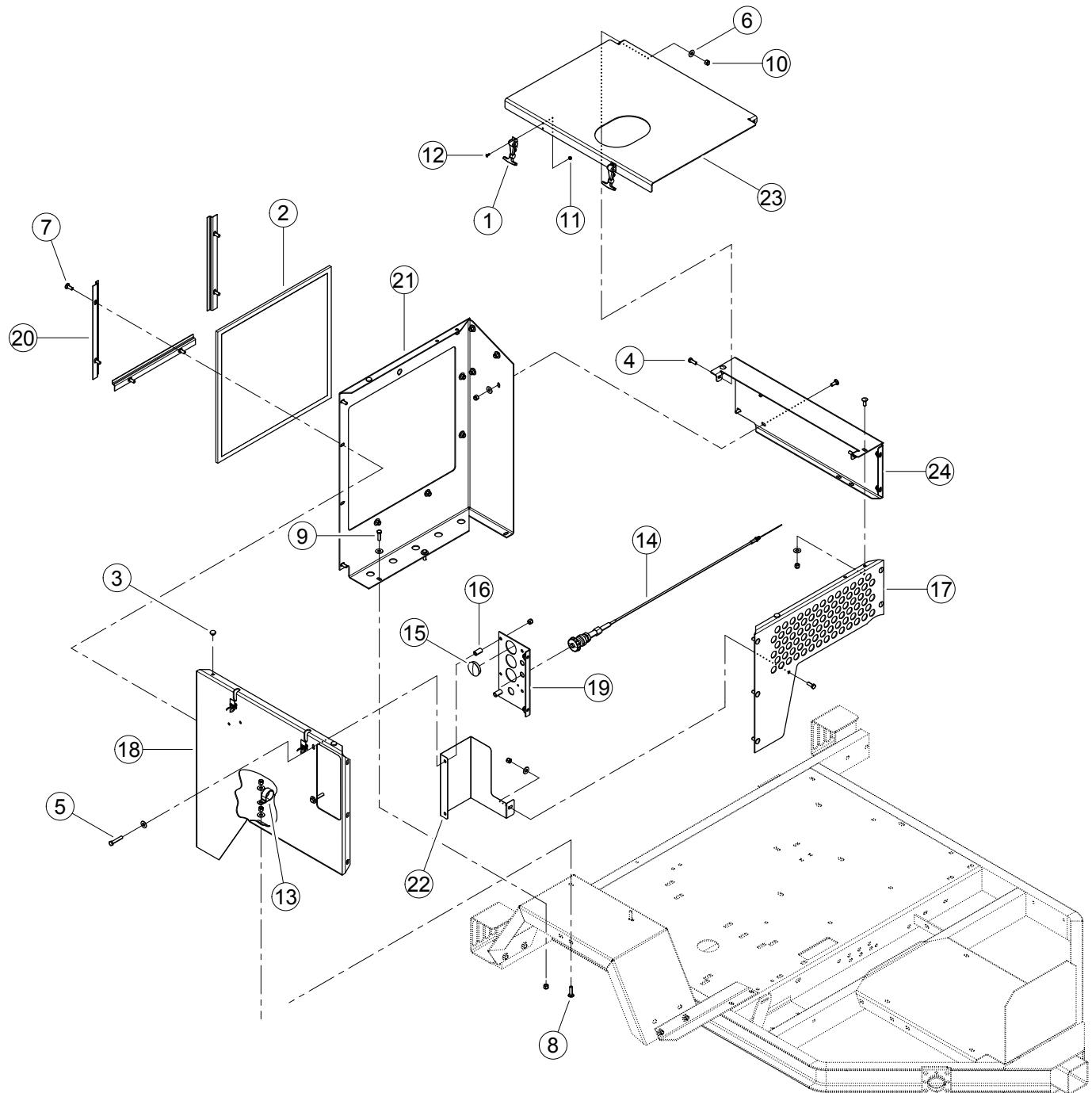
ITEM	PART NUMBER	DESCRIPTION
1	0122-0231-00	KEY, 3/8 SQUARE X 1-1/4 LONG
2	0122-0236-00	KEY, 3/8 SQUARE X 1-3/4 LONG
3	12273	BELT, 3B90 BANDED
4	12274	ENGINE, 2203 KUBOTA DIESEL
5	15001	BOLT, 1/4 X 3/4 HEX HD GR5 ZP
6	15013	BOLT, 1/2 X 1-1/4 HEX HD GR5 ZP
7	15030	WASHER, 1/4 FLAT ZP
8	15034	WASHER, 1/2 FLAT ZP
9	15049	NUT, 1/2 CENTERLOCK GRB ZP
10	15097	WASHER, 1/2 SAE FLAT ZP
11	15355	NUT, 1/4 NE NYLOCK ZP
12	15578	BOLT, M14-1.5 X 20 HEX HD GR8.8 ZP
13	15579	BOLT, M12-1.25 X 25 HEX HD GR8.8 ZP
14	15680-00	SCREW, #8-32 X 3/16 KNR CUP PT
15	15769-00	PIN, 1/4 BOWDEN
16	16327	BUSHING, SDS 1-7/16
17	16378	CLAMP, 15/32 SPRING
18	16482	SHEAVE, 1B5.2 SDS
19	16552	BUSHING, SD 1-7/16
20	16806	CLAMP, 9/16 SPRING
21	18531-00	BELT, BX30
22	31256-00	CABLE, 72 IN. POSITIVE BATTERY
23	31374-00	CABLE, 72 IN. NEGATIVE BATTERY
24	36268-00	SHEAVE, 3B6.8 SD
25	71696	HOSE, 15 IN. FUEL LINE
26	72639-12	WELDMENT, ENGINE MOUNT
27	72642-12	ANGLE, SPRING ANCHOR
28	72686-12	WELDMENT, FRONT ENGINE MOUNT
29	72744-12	PLATE, MOUNT SPACER
30	73079	HOSE, 38 IN. FUEL LINE



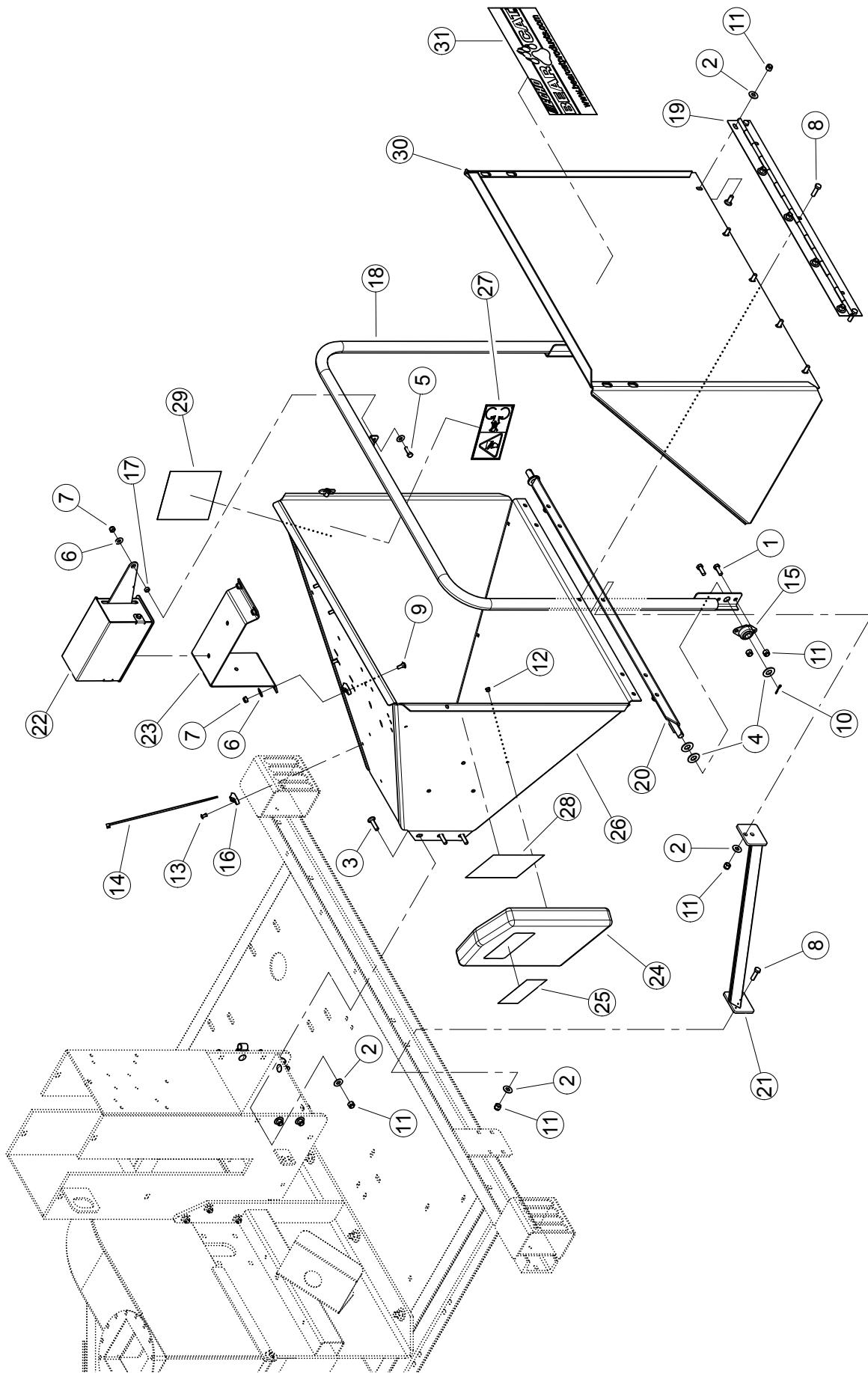
ITEM	PART NUMBER	DESCRIPTION
1	12273	BELT, 3B90 BANDED (CH922DH)
	16559	BELT, 3B83 BANDED (CH911DH)
2	12275	FITTING, 1/4 SELF-TAP GREASE
3	12455	SHEAVE, 3BQ12.4 SK (CH922DH)
	12458	SHEAVE, 3BQ11.0, SK (CH911DH)
4	15008	BOLT, 3/8 X 2 HEX HD GR5 ZP
5	15013	BOLT, 1/2 X 1-1/4 HHCS NC ZP
6	15018	BOLT, 1/2 X 6-1/2 HCS GR5 ZP (CH922DH)
	15234	BOLT, 1/2 X 6 HEX HD GR5 ZP (CH911DH)
7	15031	WASHER, 3/8 FLAT ZP
8	15034	WASHER, 1/2 FLAT ZP
9	15042	NUT, 3/8 HEX NC ZP
10	15049	NUT, 1/2 CENTERLOCK GRB ZP
11	15086	BOLT, 1/2 X 3 HEX HD GR5 ZP (CH922DH)
	15173	BOLT, 1/2 X 3 1/4 HEX HD GR5 ZP (CH911DH)
12	15274	BOLT, 3/8 X 4-1/2 HHCS GR5 NC ZP
13	15388	NUT, 3/8 NE NYLOCK ZP
14	15440	KEY, 3/8 SQUARE X 2 LONG PLAIN
15	15517	BOLT, 3/8 X 7-1/2 HHCS GR5 NC ZP
16	16230	PULLEY, IDLER 5 X 2.50
17	16502	SPRING, 7-3/4 EXTENSION
18	16782	CLAMP, 3/16 CABLE
19	16786	ABSORBER, IDLER SHOCK
20	17248	BUSHING, SK 1-3/4
21	17520	SPRING, LT. EXT. .555 OD. X 2.75 LONG
22	17804	EYEBOLT, 3/8 X 5, 4-1/4 THD ZP
23	70290	SPACER, .75 X .90
24	71505	WELDMENT, IDLER ARM
25	71546	WELDMENT, CHIPPER CLUTCH PEDAL
26	71579	SPACER, .63 X 6.44
27	71580	SPACER, 1.0 X 4.25
28	71631	SPACER, 1.0 X .50
29	71632	CABLE, 3/16 X 24-1/2
30	71633	ANGLE, SPRING ANCHOR
31	71634	SPACER, .63 X 3.06
32	71638	WELDMENT, IDLER SUPPORT (CH922DH)
	71621	WELDMENT, IDLER SUPPORT (CH911DH)
33	73205-12	SPACER, 7/8 X 3/4



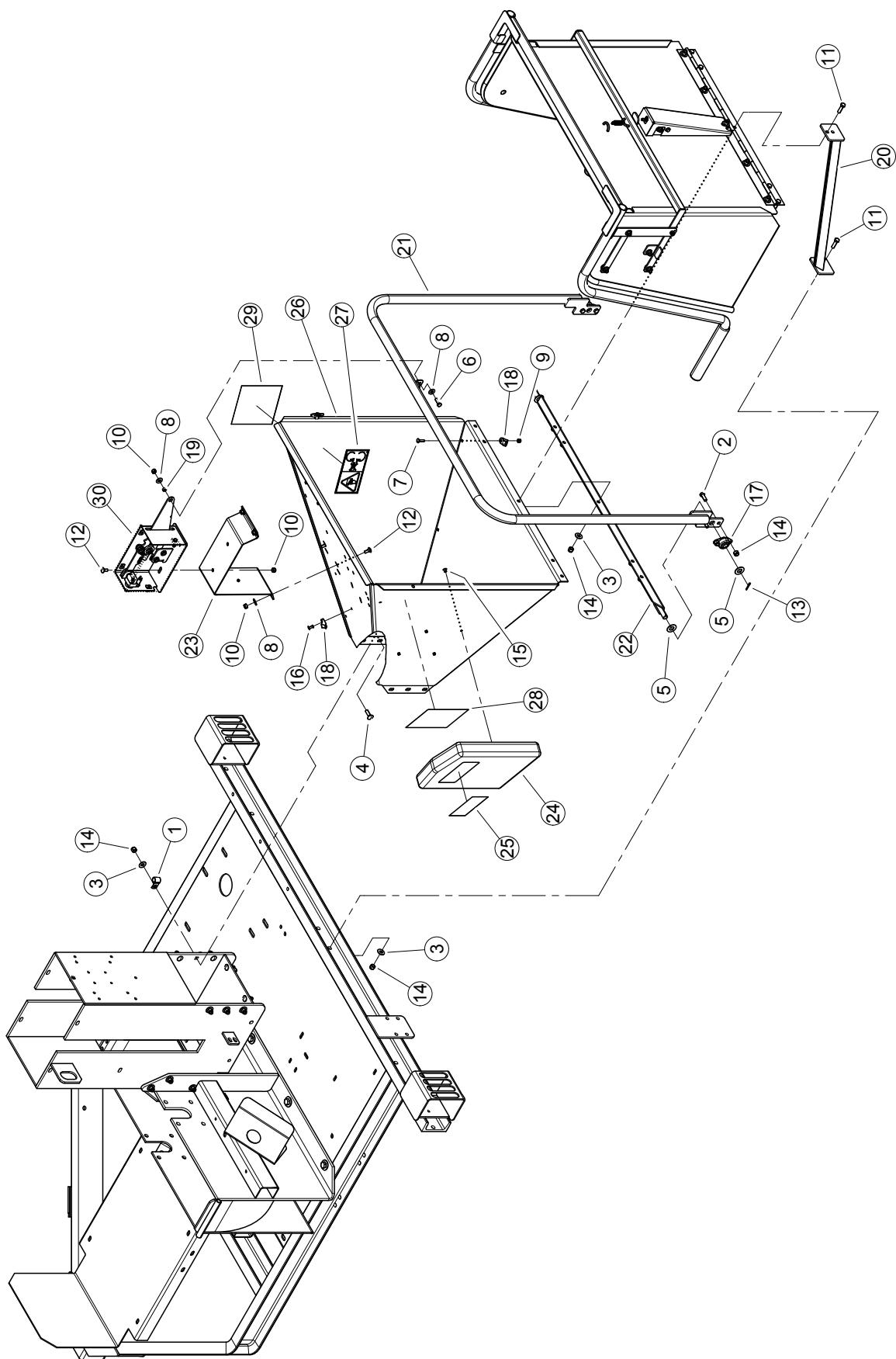
ITEM	PART NUMBER	DESCRIPTION
1	0125-0060-00	LATCH, FLEXIBLE DRAW
2	12278	SCREEN, RADIATOR INLET
3	13904-00	BUMPER, RUBBER
4	15005	BOLT, 3/8 X 3/4 HEX HD GR5 ZP
5	15006	BOLT, 3/8 X 1 HEX HD GR5 ZP
6	15031	WASHER, 3/8 FLAT ZP
7	15057	BOLT, 3/8 X 1 CRG GR5 ZP
8	15058	BOLT, 3/8 X 1-1/2 CRG GR5 ZP
9	15260	WASHER, 3/8 SAE FLAT ZP
10	15388	NUT, 3/8 NE NYLOCK ZP
11	15397	NUT, 10/24 NYLOCK TYPE NM ZP
12	15423	SCREW, MCH 10-24 X 1/2 PAN HD PH ZP
13	16383	CLAMP, 1-9/16 COATED METAL
14	16769	CABLE, DIESEL THROTTLE
15	16906	PLUG, 2 IN. DOME
16	71752-12	COVER, RADIATOR
17	71756-12	COVER, ENGINE SIDE
18	71819	WELDMENT, REAR ENGINE COVER
19	71866	PANEL, KUBOTA ENGINE CONTROL
20	72678-12	BRACKET, SCREEN HOLDER
21	73599-12	SHIELD, 28 HP HEAT
22	73662-12	SIDE, ENGINE COVER
23	73663-12	HOOD, ENGINE



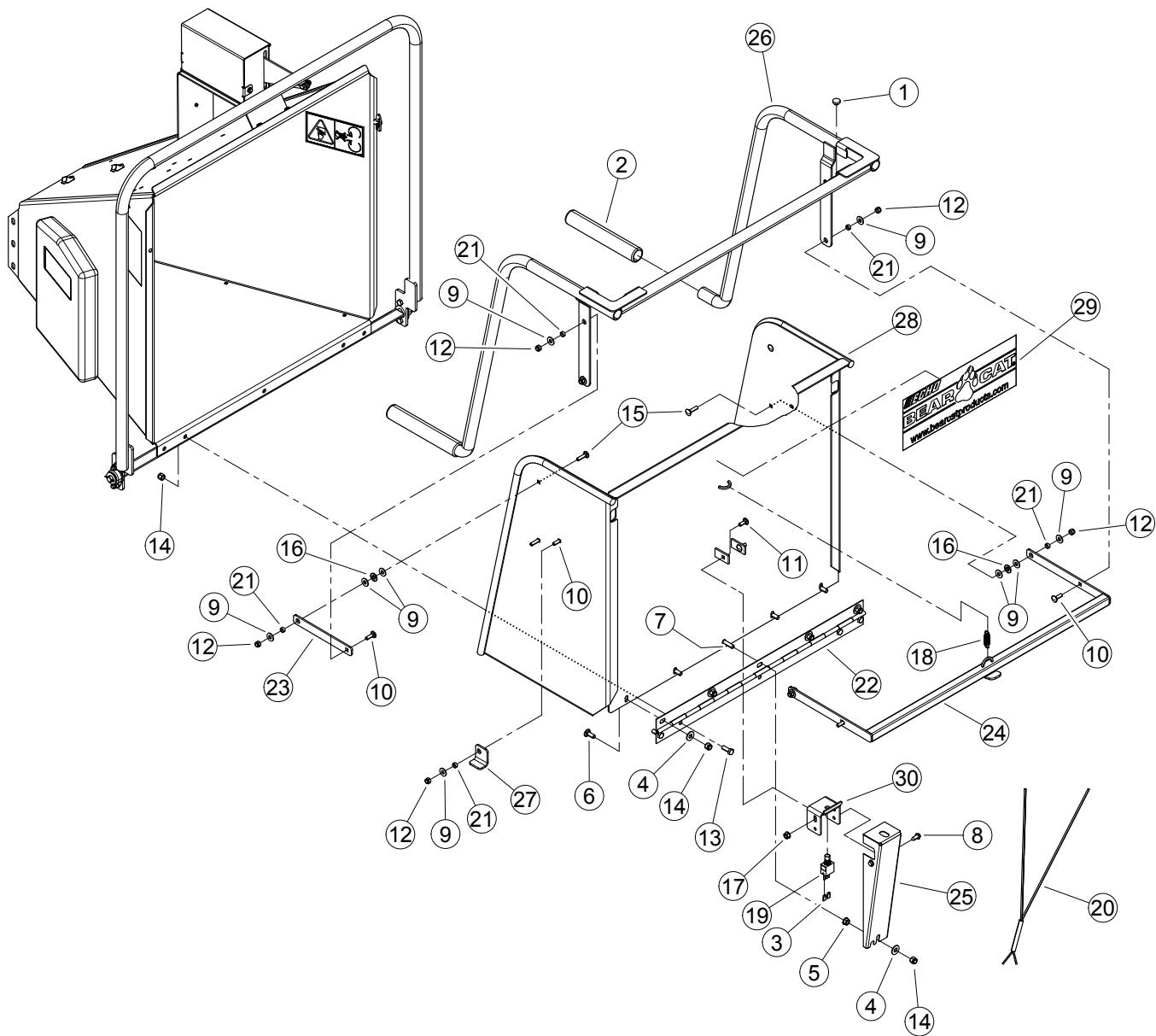
ITEM	PART NUMBER	DESCRIPTION
1	0125-0060-00	LATCH, FLEXIBLE DRAW (2-PIECE)
2	12278	SCREEN, RADIATOR INLET
3	13904-00	BUMPER, RUBBER
4	15006	BOLT, 3/8 X 1 HEX HD GR5 ZP
5	15008	BOLT, 3/8 X 2 HEX HD GR5 ZP
6	15031	WASHER, 3/8 FLAT ZP
7	15057	BOLT, 3/8 X 1 CRG GR5 NC ZP
8	15058	BOLT, 3/8 X 1-1/2 CRG GR5 NC ZP
9	15364	BOLT, 3/8 X 1-1/4 HEX HD GR5 ZP
10	15388	NUT, 3/8 NE NYLOCK ZP
11	15397	NUT, 10/24 NYLOCK TYPE NM ZP
12	15423	SCREW, MCH 10-24 X 1/2 PAN HD PH ZP
13	16383	CLAMP, 1-9/16 COATED METAL
14	16769	CABLE, DIESEL THROTTLE
15	16906	PLUG, 2 IN. DOME
16	70046	IDLER SPACER
17	72643-12	COVER, REAR ENGINE
18	72646-12	PANEL, SIDE COVER
19	72651-12	PANEL, ENGINE CONTROL
20	72678-12	BRACKET, SCREEN HOLDER
21	73597-12	PANEL, RADIATOR COVER
22	73601-12	SHIELD, 50 HP HEAT
23	73660-12	HOOD, ENGINE
24	73661-12	SIDE, ENGINE COVER



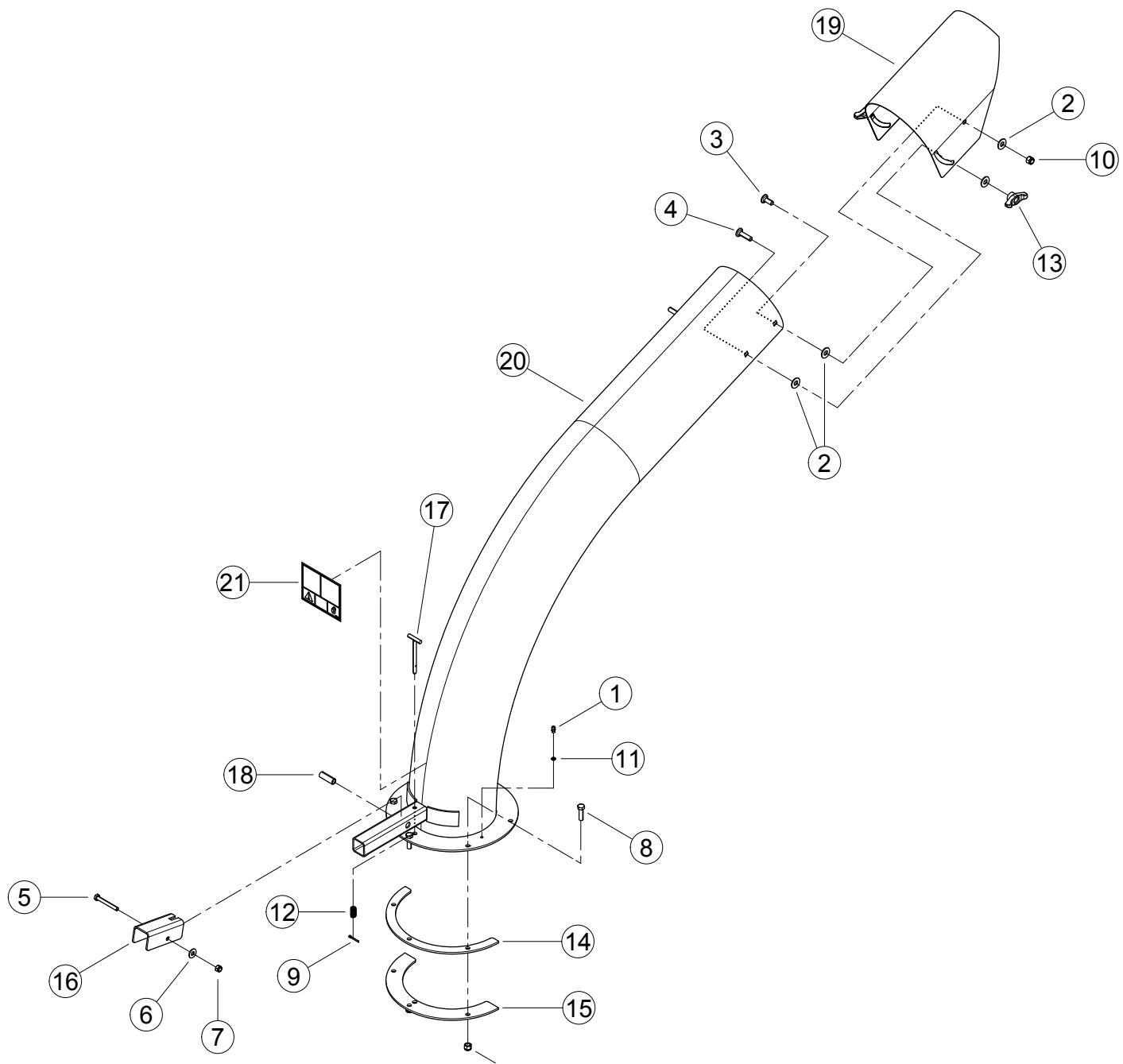
ITEM	PART NUMBER	DESCRIPTION
1	15006	BOLT, 3/8 X 1 HEX HD GR5 ZP
2	15031	WASHER, 3/8 FLAT ZP
3	15058	BOLT, 3/8 X 1-1/2 CRG GR5 ZP
4	15129	WASHER, 5/8 SAE FLAT ZP
5	15219	BOLT, 5/16 X 1 HHCS GR5 NC ZP
6	15250	WASHER, 5/16 FLAT ZP
7	15356	NUT, 5/16 NE NYLOCK ZP
8	15364	BOLT, 3/8 X 1-1/4 HEX HD GR5 ZP
9	15367	BOLT, 5/16 X 3/4 CRG GR5 NC ZP
10	15375	PIN, 1/8 X 1.00 ZP COTTER
11	15388	NUT, 3/8 NE NYLOCK ZP
12	15827-00	RIVET, AL BLIND 1/4 X 1/2 DOME HEAD
13	15828-00	RIVET, AL BLIND 1/4 X 3/4 DOME HEAD
14	17320	STRAP, 11 IN. BLACK TIE
15	17897	BEARING, SIDE FLNG MOUNT 5/8"
16	18549-00	CLAMP, CABLE MOUNT
17	69126	SPACER, IDLER PIVOT
18	71352	WELDMENT, CONTROL ARM
19	71492-12	HINGE, EXTENSION TRAY
20	71526	WELDMENT, CONTROL PIVOT
21	72696-12	WELDMENT, CHUTE SUPPORT
22	75186-00	ASSEMBLY, SWITCH BOX
23	75207-12	MOUNT, SWITCH BOX
24	77113-00	ASSEMBLY, MANUAL CONTAINER SERVICE PART (INCLUDES ITEM 25)
25	14942-00	DECAL, MULTILINGUAL MANUAL
26	77126-00	ASSEMBLY, BIG CHIPPER CHUTE, SERVICE PART (INCLUDES ITEMS 27- 29)
27	12175	DECAL, BLADE DANGER ISO
28	12747	DECAL, FEED POSITION
29	12748	DECAL, FEED POSITION
30	77127-00	ASSEMBLY, CHUTE EXT. TRAY, SERVICE PART (INCLUDES ITEM)
31	31484-00	DECAL, BEARCAT WEB



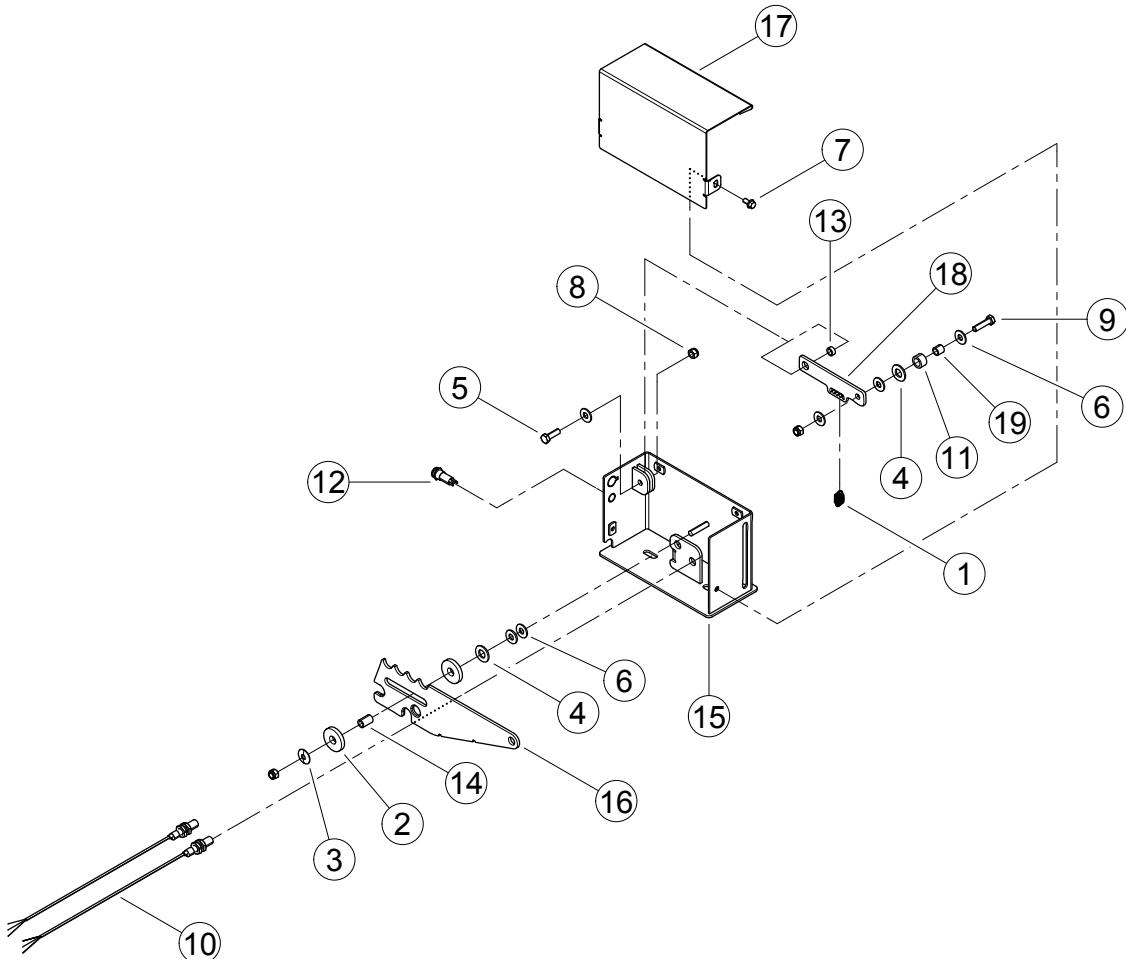
ITEM	PART NUMBER	DESCRIPTION
1	14048-00	CLAMP, 9/16" COATED
2	15006	BOLT, 3/8 X 1 HEX HD GR5 ZP
3	15031	WASHER, 3/8 FLAT ZP
4	15058	BOLT, 3/8 X 1-1/2 CRG GR5 NC ZP
5	15129	WASHER, 5/8 SAE FLAT ZP
6	15219	BOLT, 5/16 X 1 HHCS GR5 NC ZP
7	15239	BOLT, 1/4 X 1 CRG GR5 NC ZP
8	15250	WASHER, 5/16 FLAT ZP
9	15355	NUT, 1/4 NE NYLOCK ZP
10	15356	NUT, 5/16 NE NYLOCK ZP
11	15364	BOLT, 3/8 X 1-1/4 HEX HD GR5 ZP
12	15367	BOLT, 5/16 X 3/4 CRG GR5 NC ZP
13	15375	PIN, 1/8 X 1.00 ZP COTTER
14	15388	NUT, 3/8 NE NYLOCK ZP
15	15827-00	RIVET, AL BLIND 1/4 X 1/2 DOME HEAD
16	15828-00	RIVET, AL BLIND 1/4 X 3/4 DOME HEAD
17	17897	BEARING, SIDE FLANGE MOUNT, 5/8
18	18549-00	CLAMP, CABLE MOUNT
19	69126	SPACER, IDLER PIVOT
20	72696-12	WELDMENT, CHUTE SUPPORT
21	74169-12	WELDMENT, CONTROL ARM
22	74171-12	WELDMENT, CONTROL PIVOT
23	75243-12	MOUNT, SWITCH BOX
24	77113-00	ASSEMBLY, MANUAL CONTAINER, SERVICE PART (INCLUDES ITEM 25)
25	14942-00	DECAL, MULTILINGUAL MANUAL
26	77126-00	ASSEMBLY, BIG CHIPPER CHUTE, SERVICE PART (INCLUDES ITEMS 29 - 31)
27	12175	DECAL, BLADE DANGER ISO
28	12747	DECAL, FEED POSITION
29	12748	DECAL, FEED POSITION
30	77527-00	ASSEMBLY, SWITCH BOX
	17320	STRAP, 11 IN. BLACK TIE (NOT SHOWN)



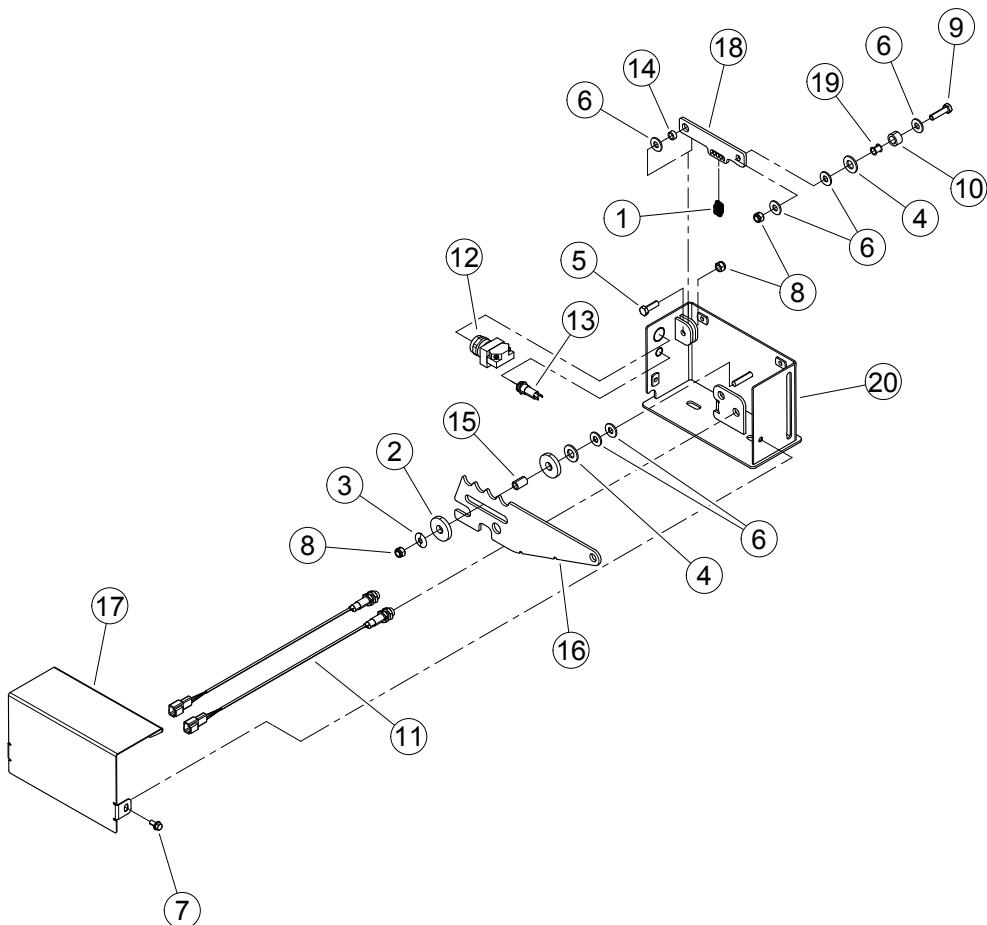
ITEM	PART NUMBER	DESCRIPTION
1	13904-00	BUMPER, RUBBER
2	14520-00	GRIP, 1.219 X 10.00
3	14625-00	CONNECTOR, 1/4 QD MALE
4	15031	WASHER, 3/8 FLAT ZP
5	15051	NUT, 3/8 SERR FLANGE ZP
6	15057	BOLT, 3/8 X 1 CRG GR5 NC ZP
7	15058	BOLT, 3/8 X 1-1/2 CRG GR5 NC ZP
8	15176	SCREW, 11/32 X 7/8 HWH AB THREAD ZP
9	15250	WASHER, 5/16 FLAT ZP
10	15301	BOLT, 5/16 X 1 CRG GR5 ZP
11	15349	BOLT, 5/16 X 7/8 CRG GR5 NC ZP
12	15356	NUT, 5/16 NE NYLOCK ZP
13	15364	BOLT, 3/8 X 1-1/4 HEX HD GR5 ZP
14	15388	NUT, 3/8 NE NYLOCK ZP
15	15398	BOLT, 5/16 X 1-1/4 CRG GR5 ZP
16	15409	WASHER, 5/16 ID. X 7/8 OD. NYLON FLAT
17	15904-00	NUT, 5/16-18 NYLOCK-FLANGE
18	16698	SPRING 1/2 X 2.00 LG,ZP
19	32375-00	SWITCH, MOMENTARY IP67 NORMALLY ON
20	36355-00	HARNESS, SAFETY BAR
21	69126	SPACER, IDLER PIVOT
22	71492	HINGE, EXTENSION TRAY
23	74157-12	LINK, PARALLEL
24	74161-12	WELDMENT, KNEEBAR PIVOT
25	74167-12	SHIELD, KNEEBAR SWITCH
26	74215-35	WELDMENT, KNEEBAR
27	74222-12	LOCK, SAFETY BAR
28	77128-00	ASSEMBLY, EXT. TRAY, SERVICE PART (INCLUDES ITEM 29)
29	31484-00	DECAL, BEARCAT WEB
30	77532-12	ASSEMBLY, SWITCH BOX



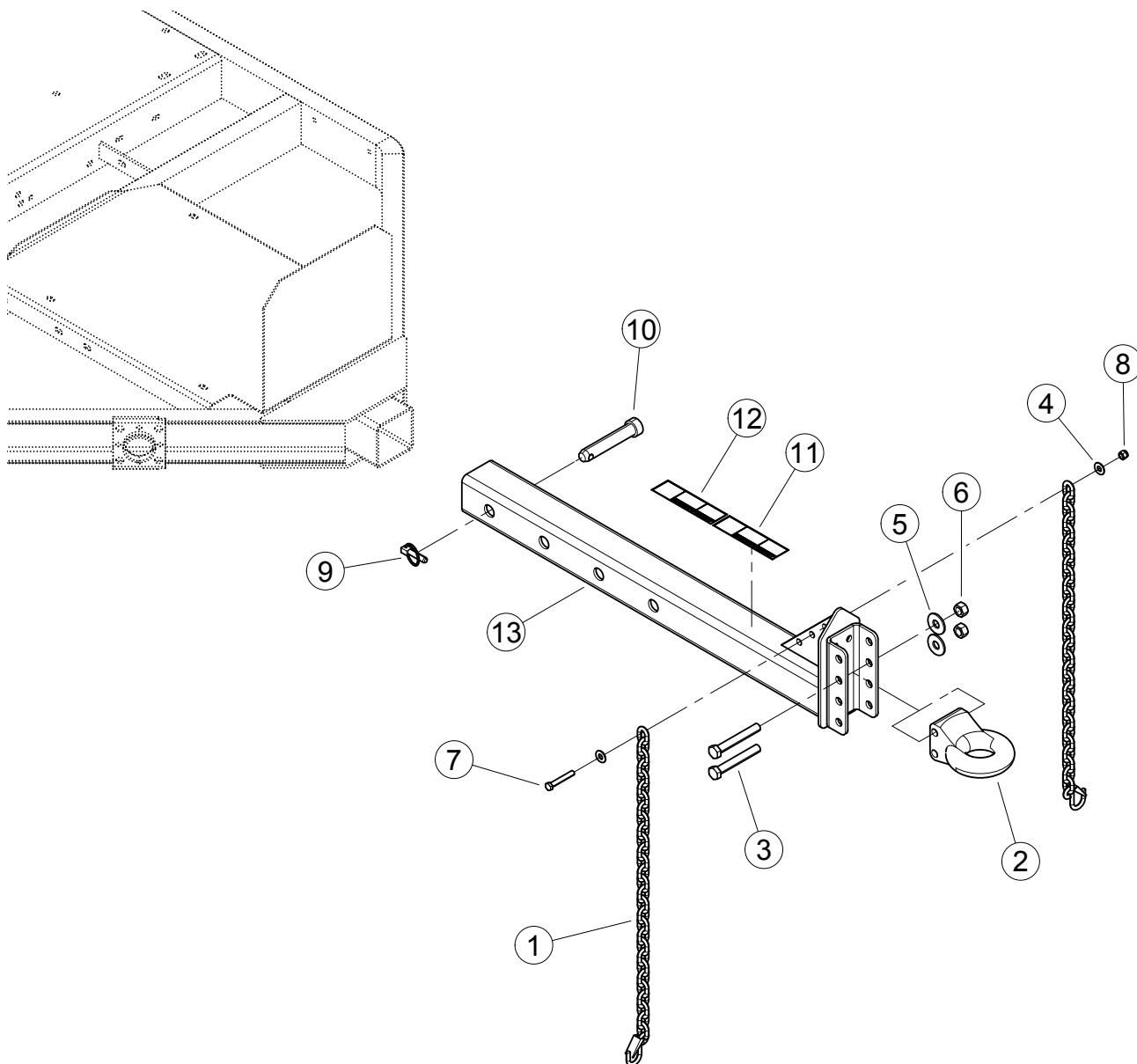
ITEM	PART NUMBER	DESCRIPTION
1	12275	FITTING, 1/4 SELF-TAP GREASE
2	15031	WASHER, 3/8 FLAT ZP
3	15057	BOLT, 3/8 X 1 CRG GR5 NC ZP
4	15058	BOLT, 3/8 X 1-1/2 CRG GR5 NC ZP
5	15154	BOLT, 5/16 X 2-1/2 HX CAP GR5 ZP
6	15250	WASHER, 5/16 FLAT ZP
7	15356	NUT, 5/16 NE NYLOCK ZP
8	15364	BOLT, 3/8 X 1-1/4 HEX HD GR5 ZP
9	15375	PIN, 1/8 X 1 ZP COTTER
10	15388	NUT, 3/8 NE NYLOCK ZP
11	15584	WASHER, .254 X .400 X .048 FLAT
12	16556	SPRING, LOCK COMPRESSION
13	32110-00	KNOB, 3/8-16 UNC FEMALE TEE
14	71247	RING, DISCHARGE SPACER
15	71248	RING, DISCHARGE CLAMP
16	71252	LEVER, DISCHARGE LOCK
17	71253	WELDMENT, DISCHARGE LOCK PIN
18	71256	TUBE, DISCHARGE LOCK PIVOT
19	71704-12	CAP, 8 IN. DISCHARGE CHUTE
20	77130-00	ASSEMBLY, 8 INCH DISCHARGE, SERVICE PART (INCLUDES ITEM 21)
21	32109-00	DECAL, DISCHARGE DEBRIS & LOCK



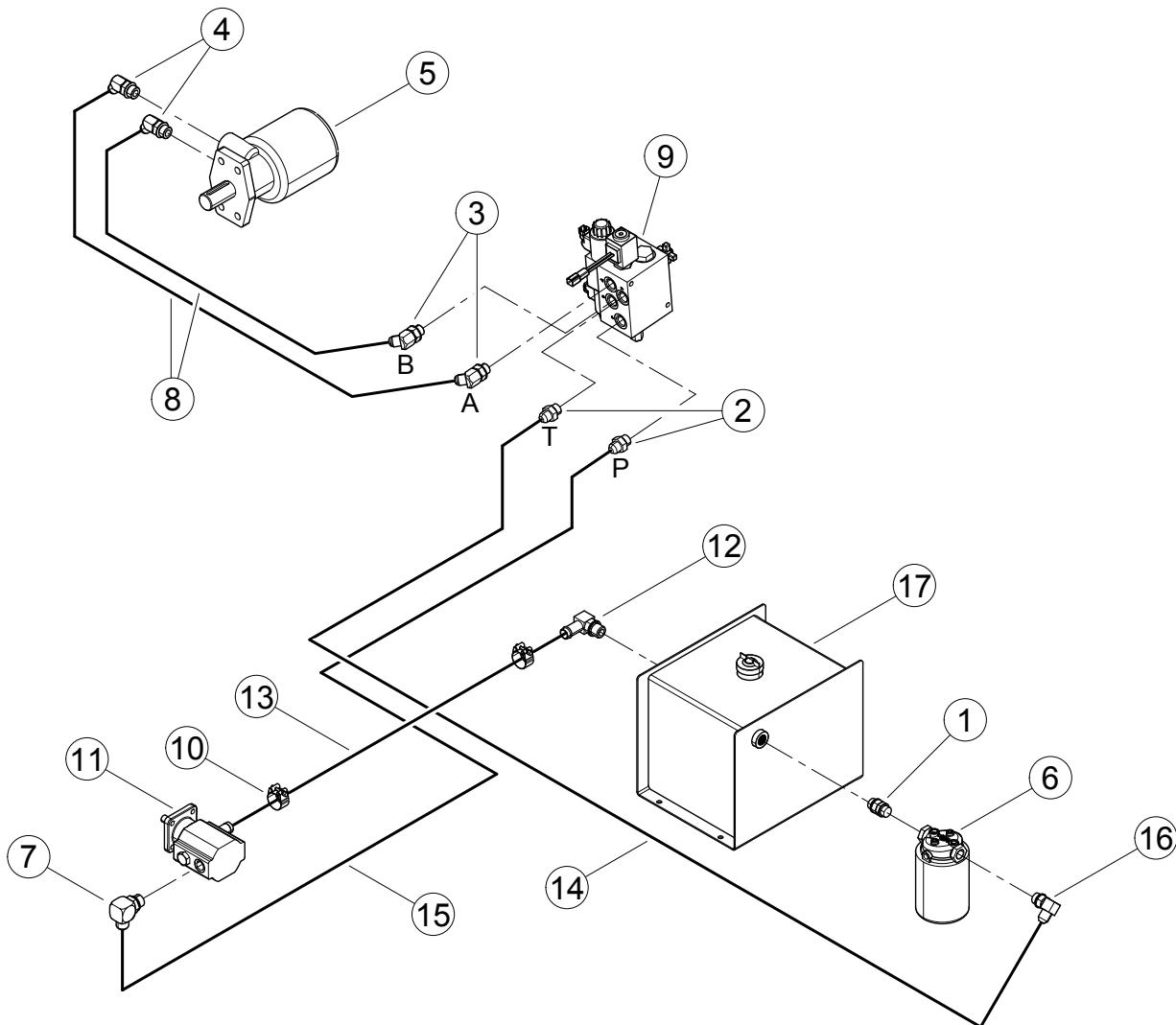
ITEM	PART NUMBER	DESCRIPTION
1	12620	SPRING, CONTROL BAR
2	12621	WASHER, UHM SPACER .515 ID X 1.50 OD
3	12622	WASHER, SPRING
4	15097	WASHER, 1/2 SAE FLAT ZP
5	15219	BOLT, 5/16 X 1 HHCS GR5 NC ZP
6	15250	WASHER, 5/16 FLAT ZP
7	15344	BOLT, 1/4 X 1/2 SERR FLANGE GR5 ZP
8	15356	NUT, 5/16 NYLOCK
9	15436	BOLT, 5/16 X 1-1/4 HHCS GR5 NC ZP
10	18472-00	SENSOR, PROXIMITY (SERVICE REPLACEMENT PART)
11	18548-00	ROLLER, NYLON .750 OD X .502 ID X .440
12	36356-00	LED, TRI-COLOR 12V 3-Terminal Base
13	69126	SPACER, IDLER PIVOT
14	73064	SPACER, .50 X .775
15	75139-12	WELDMENT, SWITCH BOX
16	75140-12	BAR, SWITCH CONTROL
17	75141-12	COVER, CONTROL BOX
18	75184-12	LINK, DETENT
19	75185-00	SPACER, .50 OD X .35 ID X .47



ITEM	PART NUMBER	DESCRIPTION
1	12620	SPRING, CONTROL BAR
2	12621	WASHER, UHMW SPACER .515ID X 1.50OD
3	12622	WASHER, SPRING
4	15097	WASHER, 1/2 SAE FLAT ZP
5	15219	BOLT, 5/16 X 1 HEX GR5 NC ZP
6	15250	WASHER, 5/16 FLAT ZP
7	15344	BOLT, 1/4 X 1/2 SERR FLANGE GR5 ZP
8	15356	NUT, 5/16 NE NYLOCK ZP
9	15436	BOLT, 5/16 X 1-1/4 HEX GR5 NC ZP
10	18548-00	ROLLER, NYLON .75OD X .502ID X .440
11	32108-00	SENSOR, M12 PNP PROXIMITY
12	32376-00	SWITCH, MOMENTARY IP67 NORMALLY OFF
13	36356-00	LED, TRI-COLOR 12V 3-TERMINAL BASE
14	69126	SPACER, IDLER PIVOT
15	73064	SPACER, .50 X .775
16	75140-12	BAR, SWITCH CONTROL
17	75141-12	COVER, CONTROL BOX
18	75184-12	LINK, DETENT
19	75185-00	SPACER, 1/2 OD X .35 ID X .47
20	77526-12	WELDMENT, SWITCH BOX
	18555-00	DECAL, RESET/OVERRIDE (NOT SHOWN)

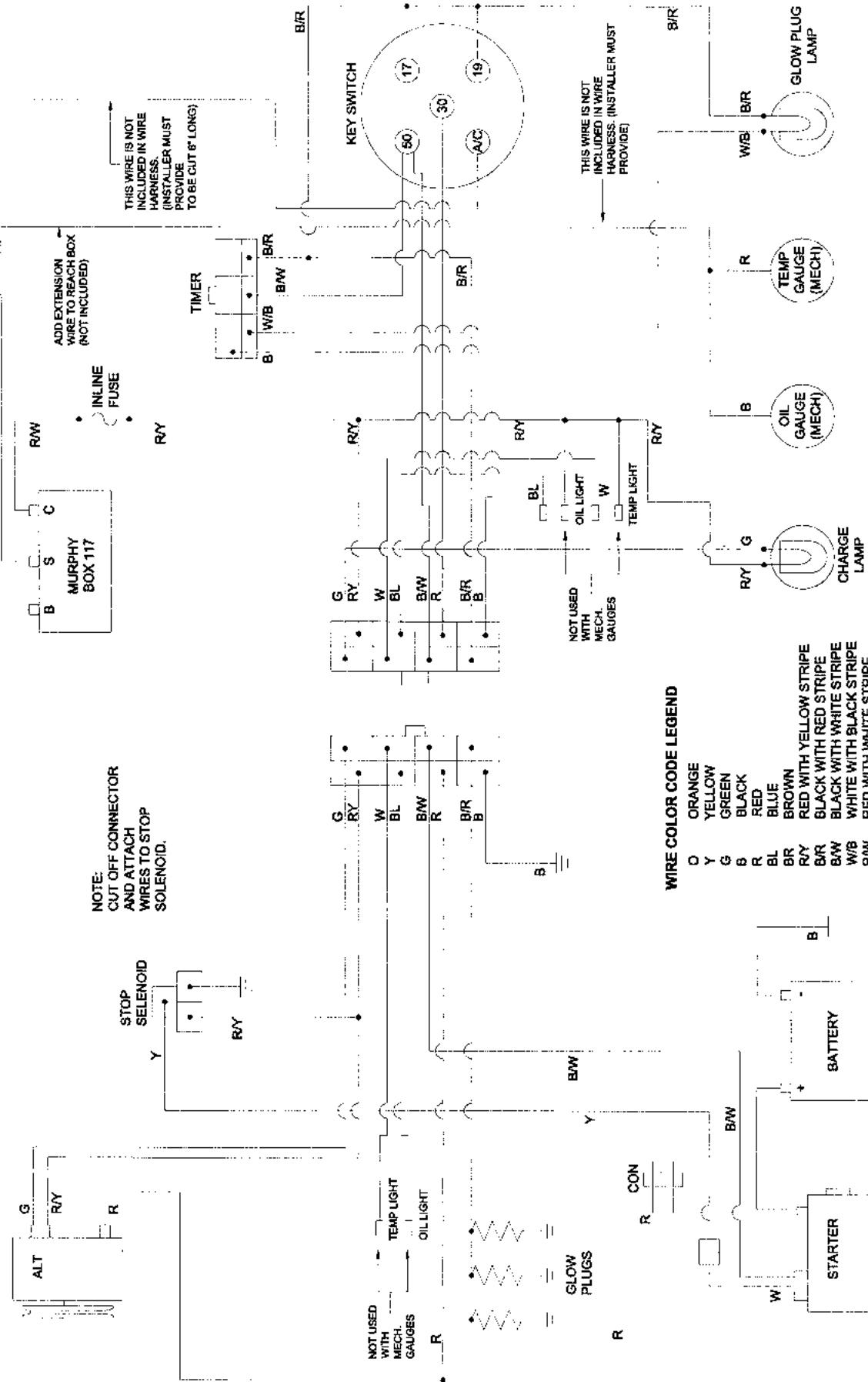


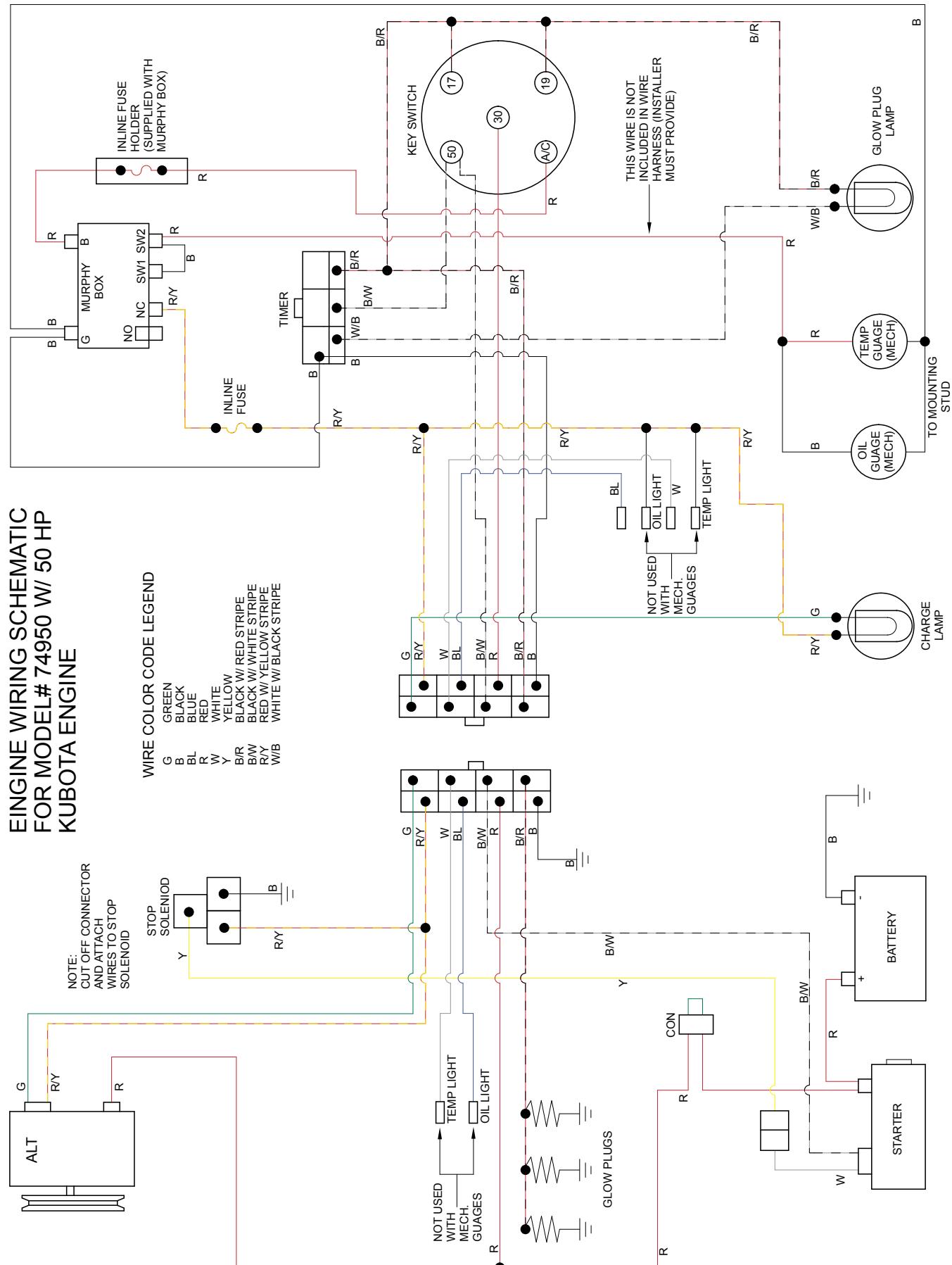
ITEM	PART NUMBER	DESCRIPTION
1	14381-00	CHAIN, SAFETY 5000 LB W/LATCH
2	14900-00	HITCH, PINTLE RING, 20,000 LB
3	15021	BOLT, 5/8 X 4-1/2 HEX GR5 ZP
4	15031	WASHER, 3/8 FLAT ZP
5	15035	WASHER, 5/8 FLAT ZP
6	15050	NUT, 5/8 CENTERLOCK GR5 ZP
7	15116	BOLT, 3/8 X 2-1/2 HEX GR5 ZP
8	15388	NUT, 3/8 NE NYLOCK ZP
9	16015	PIN, 7/16 X 1-3/4 LYNCH
10	16777	TOP LINK PIN, CAT 2
11	32329-00	DECAL, PINTLE SAFE COUPLING
12	32332-00	DECAL, SAFE COUPLING
13	75492-12	WELDMENT, HITCH POLE W/PLATE

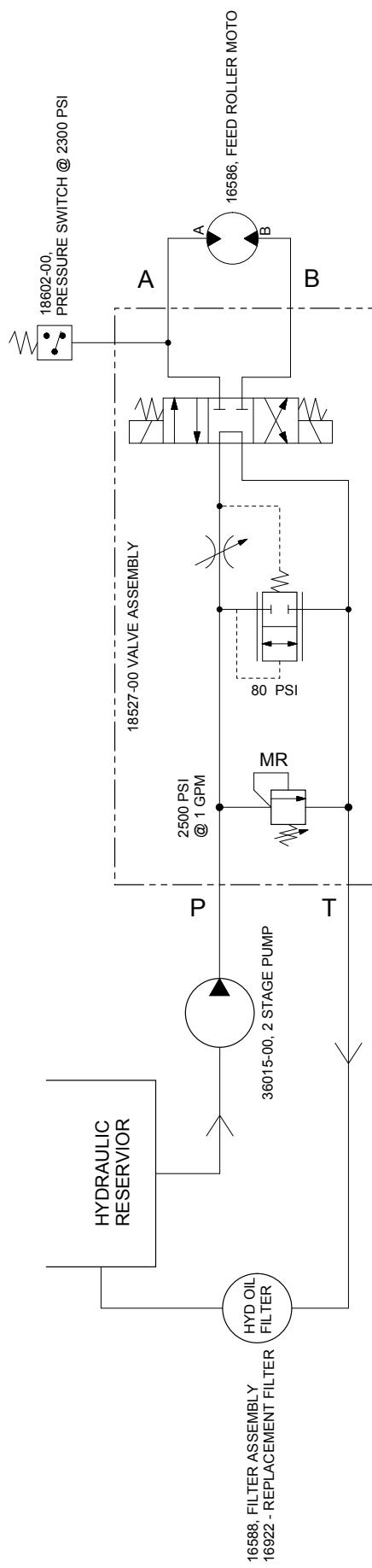


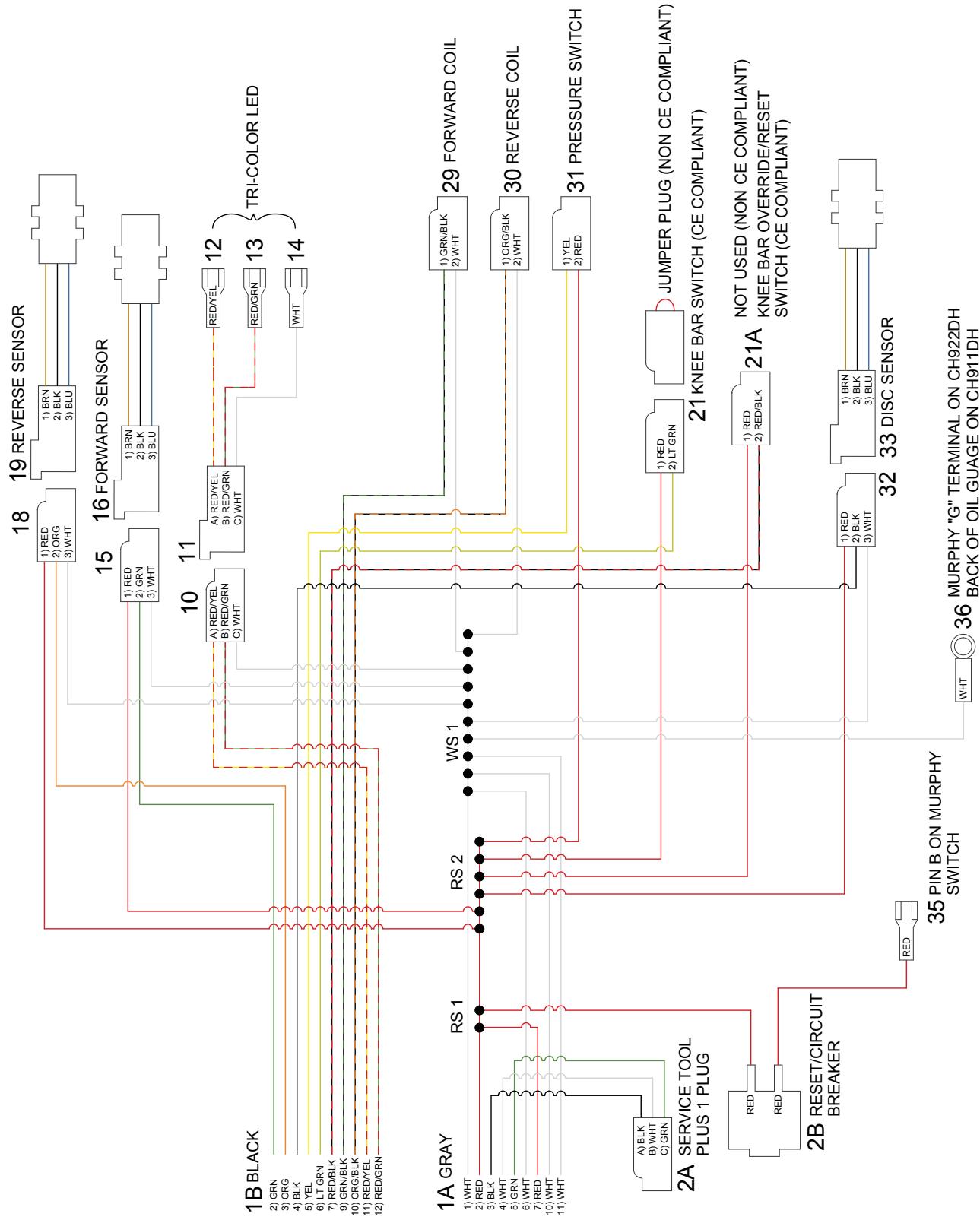
ITEM	PART NUMBER	DESCRIPTION
1	12339	ADAPTER, -8 MORING / -8 MORING ADJ
2	12615	ADAPTER, -8 MORING / -8 MJIC
3	14417-00	ADAPTER, -8 MORB / -8 MJIC 45 DEG.
4	16067	ADAPTER, -10 MORING / -8 MJIC 45 DEG.
5	16586	MOTOR, 45 CU. IN. HYDRAULIC
6	16588	FILTER, SPIN-ON
7	16638	ADAPTER, -10 MORING / -10 MJIC 90 DEG.
8	18029-00	HOSE, .375 X 36 -8 FMJIC / -8 FMJIC
9	18527-00	ASSEMBLY, CHIPPER VALVE
	18602-00	SWITCH, PRESSURE
10	31425-00	CLAMP, 1-5/32 TO 7/32 OD RANGE T-BOLT
11	31671-00	PUMP, 2 STAGE CW HI/LO 0.605 DISP.
12	36017-00	ADAPTER, -10 MORING / .75 90 DEG.
13	36098-00	HOSE, .75 ID. X 38 IN. 100R4 HYD.
14	36265-00	HOSE, .50 X 84 -8 FMJIC / -8 FMJIC
15	36266-00	HOSE, .50 X 66 -8 FMJIC / -10 FMJIC 90 DEG.
16	41287	ADAPTER, -8 MORING / -8 MJIC 90 DEG.
17	75943-12	WELDMENT, TANK HYDRAULIC 3.25 GAL.

ENGINE WIRING SCHEMATIC FOR MODEL # 72928 WITH 28 HP KUBOTA ENGINE

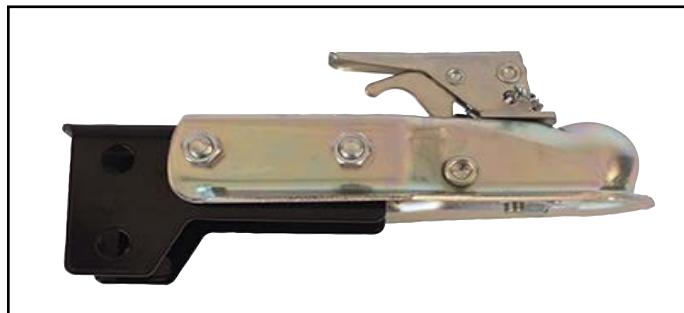








PART NUMBER	DESCRIPTION
76293-00	KIT, CHIPPER BLADE, 1/2 INCH
74581-00	LOW PROFILE DISCHARGE
77232-00	2" COUPLER KIT
14519-00	2-5/16" COUPLER KIT
76721-00	BATTERY DISCONNECT KIT
76195-00	9 INCH SAFETY BAR KIT
71921	HOUR METER KIT
72730-00	ELECTRIC BRAKE KIT
76775-00	FINE CHIP ROTOR KIT



2-5/16" COUPLER KIT, 14519-00



DIESEL ENGINE TACH/HOUR METER, 71921-00



CHIPPER BLADE KIT, 76293-00



LOW PROFILE DISCHARGE, 74581-00



ECHO BEAR CAT

www.bearcatproducts.com

237 NW 12th Street, West Fargo, ND 58078-0849

Phone: 701.282.5520 • Toll Free: 888.645.4520 • Fax: 701.282.9522
E-mail: service@bearcatproducts.com • sales@bearcatproducts.com