



MODELS:

642290E

ROCKET-21HP B&S W/36 SIDE DISCHARGE

642291E

ROCKET-17HP KAW W/36 SIDE DISCHARGE

642293E

ROCKET-19HP KAW W/42 SIDE DISCHARGE

642295E

ROCKET-19HP KAW W/48 SIDE DISCHARGE

642296E

ROCKET-19HP KAW W/52 SIDE DISCHARGE

PARTS MANUAL

MAN 4163128
Rev. A 9-2007

OPERATOR'S MANUAL 4163129



CALIFORNIA

Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.

⚠ WARNING

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Californie Proposition 65 Avertissement

Les échappements des moteurs diesel et certains de leurs composés sont reconnus par l'Etat de Californie pour être cancérogènes, provoquer des défauts congénitaux et d'autres dangers en matière de reproduction.

⚠ AVERTISSEMENT

L'émission du moteur de ce matériel contient des produits chimiques que l'Etat de Californie considère être cancérogènes, provoquer des défauts congénitaux et d'autres dangers en matière de reproduction.

**California Advertencia
de la Proposicion 65**

El estado de California hace saber que los gases de escape de los motores diesel y algunos de sus componentes producen cáncer, defectos de nacimiento y otros daños en el proceso de reproducción humana.

⚠ ADVERTENCIA

El estado de California hace saber que los gases de escape de este producto contienen productos químicos que producen cáncer, defectos de nacimiento y otros daños en el proceso de reproducción humana.

CALIFORNIA

Proposition 65 Warning

Battery posts, terminals, wiring insulation, and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
WASH HANDS AFTER HANDLING.

IMPORTANT MESSAGE

Thank you for purchasing this CGC, Inc. product. You have purchased a world class mowing product, one of the best designed and built anywhere.

This machine comes with an Operation and Safety Manual. The useful life and good service you receive from this machine depends to a large extent on how well you read and understand these manuals. Treat your machine properly, lubricate and adjust it as instructed, and it will give you many years of reliable service.

Your safe use of this CGC, Inc. product is one of our prime design objectives. Many safety features are built in, but we also rely on your good sense and care to achieve accident-free operation. For best protection, study the manual thoroughly. Learn the proper operation of all controls. Observe all safety precautions. Follow all instructions and warnings. Do not remove or defeat any safety features. Make sure those who operate this machine are as well informed and careful in its use as you are.

See a CGC, Inc. dealer for any service or parts needed. CGC, Inc. service ensures that you continue to receive the best results possible from CGC, Inc. products. You can trust CGC, Inc. replacement parts because they are manufactured with the same high precision and quality as the original parts.

CGC, Inc. designs and builds its equipment to serve many years in a safe and productive manner. For longest life, use this machine only as directed in the manuals, keep it in good repair and follow safety warnings and instructions. You'll always be glad you did.

Commercial Grounds Care, Inc.
One Bob Cat Lane
Johnson Creek, WI 53038-0469

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NOTICE !!!

Unauthorized modifications may present **extreme** safety hazards to operators and bystanders and could also result in product damage.

Commercial Grounds Care, Inc. strongly warns against, rejects and disclaims any modifications, add-on accessories or product alterations that are not designed, developed, tested and approved by CGC, Inc. Engineering Department. Any CGC, Inc. product that is altered, modified or changed in any manner not specifically authorized after original manufacture-including the addition of "after-market" accessories or component parts not specifically approved by CGC, Inc.-will result in the CGC, Inc. Warranty being voided.

Any and all liability for personal injury and/or property damage caused by any unauthorized modifications, add-on accessories or products not approved by CGC, Inc. will be considered the responsibility of the individual(s) or company designing and/or making such changes. CGC, Inc. will vigorously pursue full indemnification and costs from any party responsible for such unauthorized post-manufacture modifications and/or accessories should personal injury and/or property damage result.



This symbol means:
ATTENTION!
BECOME ALERT!

Your safety and the safety of others is involved.

Signal word definitions:

The signal words below are used to identify levels of hazard seriousness. These words appear in this manual and on the safety labels attached to CGC, Inc. machines. For your safety and the safety of others, read and follow the information given with these signal words and/or the symbol shown above.

DANGER

DANGER indicates an imminently hazardous situation which, if not avoided, **WILL** result in death or serious injury.

WARNING

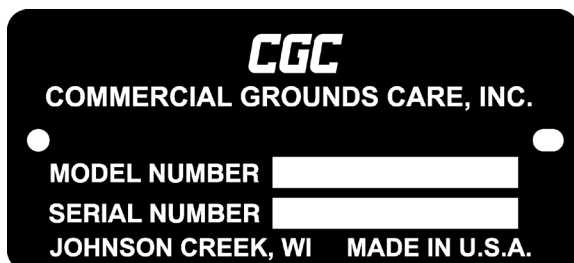
WARNING indicates a potentially hazardous situation which, if not avoided, **COULD** result in death or serious injury.

CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, **MAY** result in minor or moderate injury. It may also be used to alert against unsafe practices or property damage.

CAUTION

CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, **MAY** result in property damage.



MODEL NUMBER: This number appears on sales literature, technical manuals and price lists.

SERIAL NUMBER: This number appears only on your mower. It contains the model number followed consecutively by the serial number. Use this number when ordering parts or seeking warranty information.

* Serial Plate located on left side panel near cut-off switch.

PARTS SECTION

FRAME-ENGINE/CLUTCH ASSY

Rocket

FIGURE 1

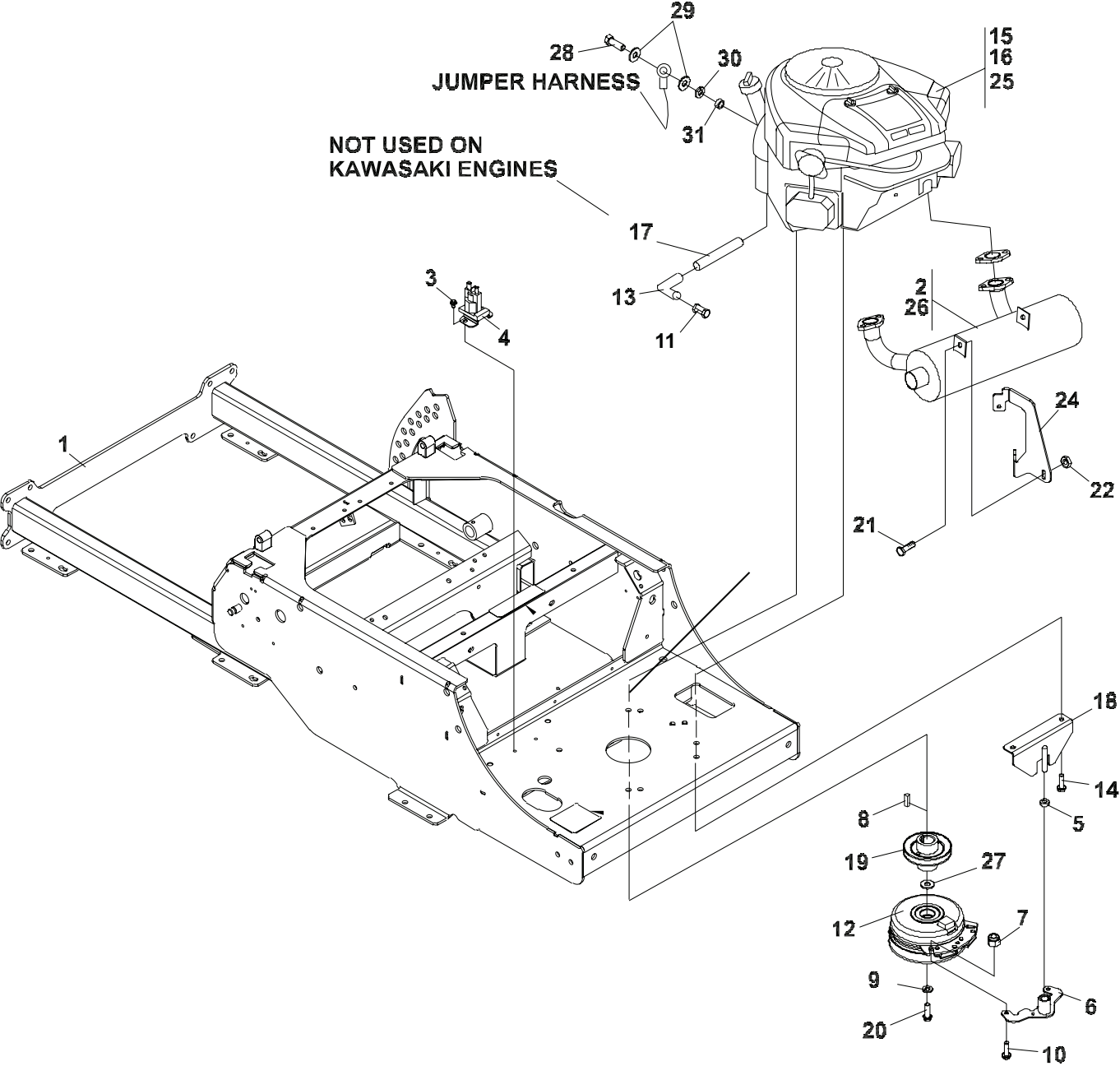


FIGURE 1

ITM	PART NO.	DESCRIPTION	QTY	ITM	PART NO.	DESCRIPTION	QTY
1	4163169	S-FRAME W/LABELS, BUNTON	1	23*	64263-002	BLT-FLG HD M6-1.0 X 16	4
2	4149239	MUFFLER-KAI KAW (USED ON 642291E, 642293E,,642295E & 642296E ONLY)	1	24	4118507.7	BRKT-MUFFLER LH	1
					* 4118508.7	BRKT-MUFFLER RH	1
3	64152-23	1/4-20X3/8 LG SP SCREW	2	25	4149238	ENGINE-KAI 19HP KAW	1
4	38665	SOLENOID	1		4153902	ELEMENT-AIR FILTER	1
5	38304-03	BRG-FLANGED PLASTIC	1		4153903	FOAM PRE-CLEANER	1
6	2721331.7	WLDMT-CLUTCH STOP	1		2722214	FILTER-OIL	1
7	64265-04	LOCKNUT-M8-1.25	2		38666	FILTER-FUEL	1
8	64164-12	KEY-1/4X1/4X1 SQ END	1			(USED ON MODELS 642293E,642295E & 642296E ONLY)	
9	64006-06	LOCKWASHER-HEL 7/16	1	26	2722034	S-MUFFLER	1
10	64205-001	BLT-MET M8-1.25X20	2			(USED ON 36" B&S MODEL ONLY)	
11	69051-01	PLUG-PIPE 3/8	1	27	64163-44	WASHER	1
12	4144116	CLUTCH-ENGINE PULLEY	1			(USED ON 36" MODELS ONLY)	
13	2690033-01	ELBOW-3/8 PIPE, 90 DEG	1	28	64123-89	BOLT-HEX 1/4-20X3/4	1
14	64197-005	BLT-TDFM 3/8-16X1-1/4	2	29	64163-03	WASHER	2
15	4144406	ENGINE-B&S INTEK 21 HP	1	30	64006-01	LOCKWASHER-1/4	1
	2722461	AIR FILTER CARTRIDGE	1	31	2722459	SPACER	1
	2722462	FOAM PRE-CLEANER	1				
	2722463	OIL FILTER	1				
	2722464	FUEL FILTER	1				
		(EXHAUST BOLTS SUPPLIED WITH ENGINE)					
16	4149237	ENGINE-KAI 17HP KAW	1				
	4153902	ELEMENT-AIR FILTER	1				
	4153903	FOAM PRE-CLEANER	1				
	2722214	FILTER-OIL	1				
	38666	FILTER-FUEL	1				
17	48024-17A	NIPPLE-PIPE 3/8 X 5	1				
18	4144112.7	WLDMT-CLUTCH BRACKET	1				
19	4143596	PULLEY-ENGINE	1				
20	64123-78	BOLT-HEX 7/16-20X2-1/2	1				
		(ITEMS 23-26 USED WITH KAW ENG ONLY)					
21	64263-007	BLT-FLG HD M8-1.25 X 20	2				
22	64266-02	NUT-FL LOCK M8-1.25	2				

* NOT ILLUSTRATED

TRANSAXLE ASSY

Rocket

FIGURE 2

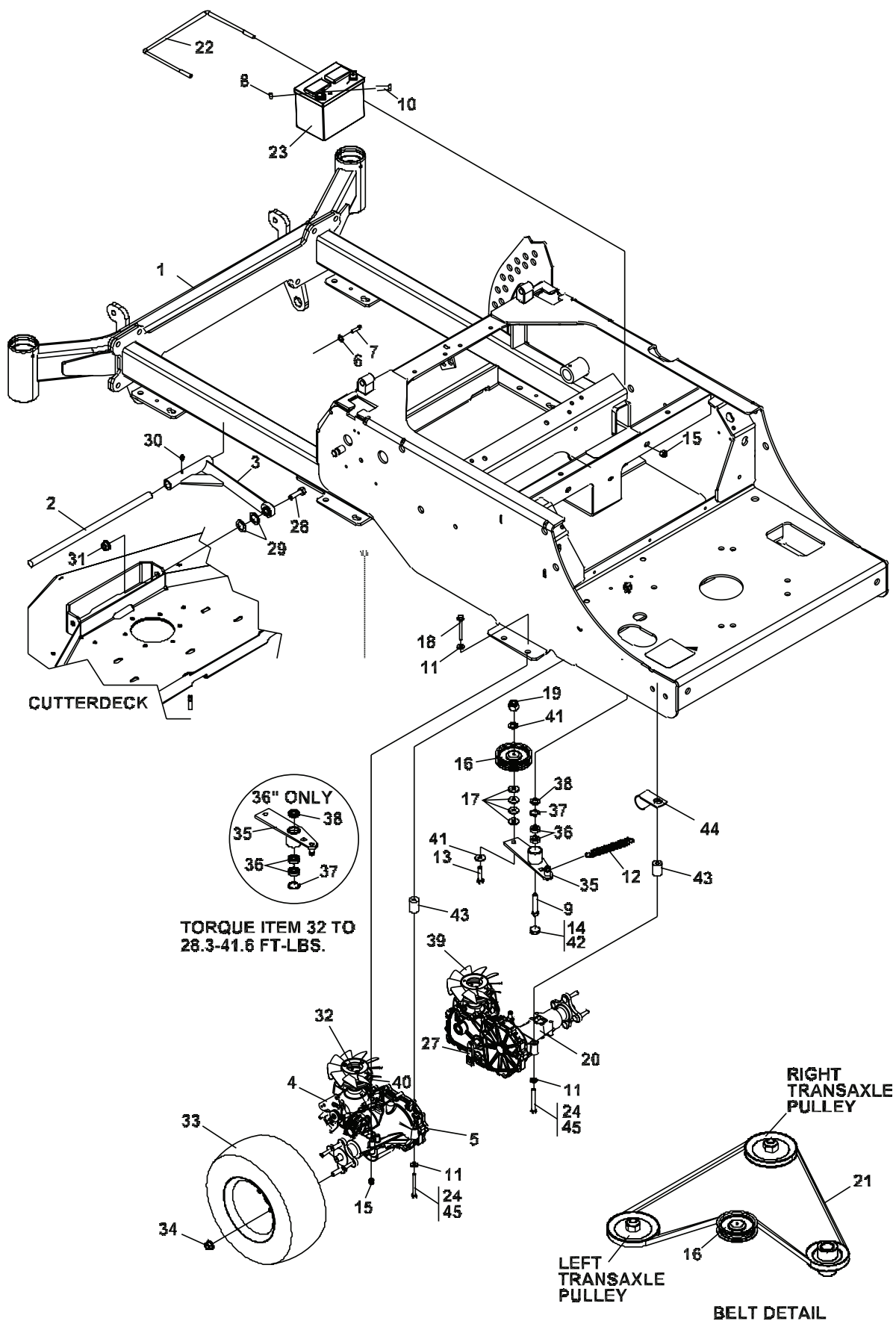


FIGURE 2

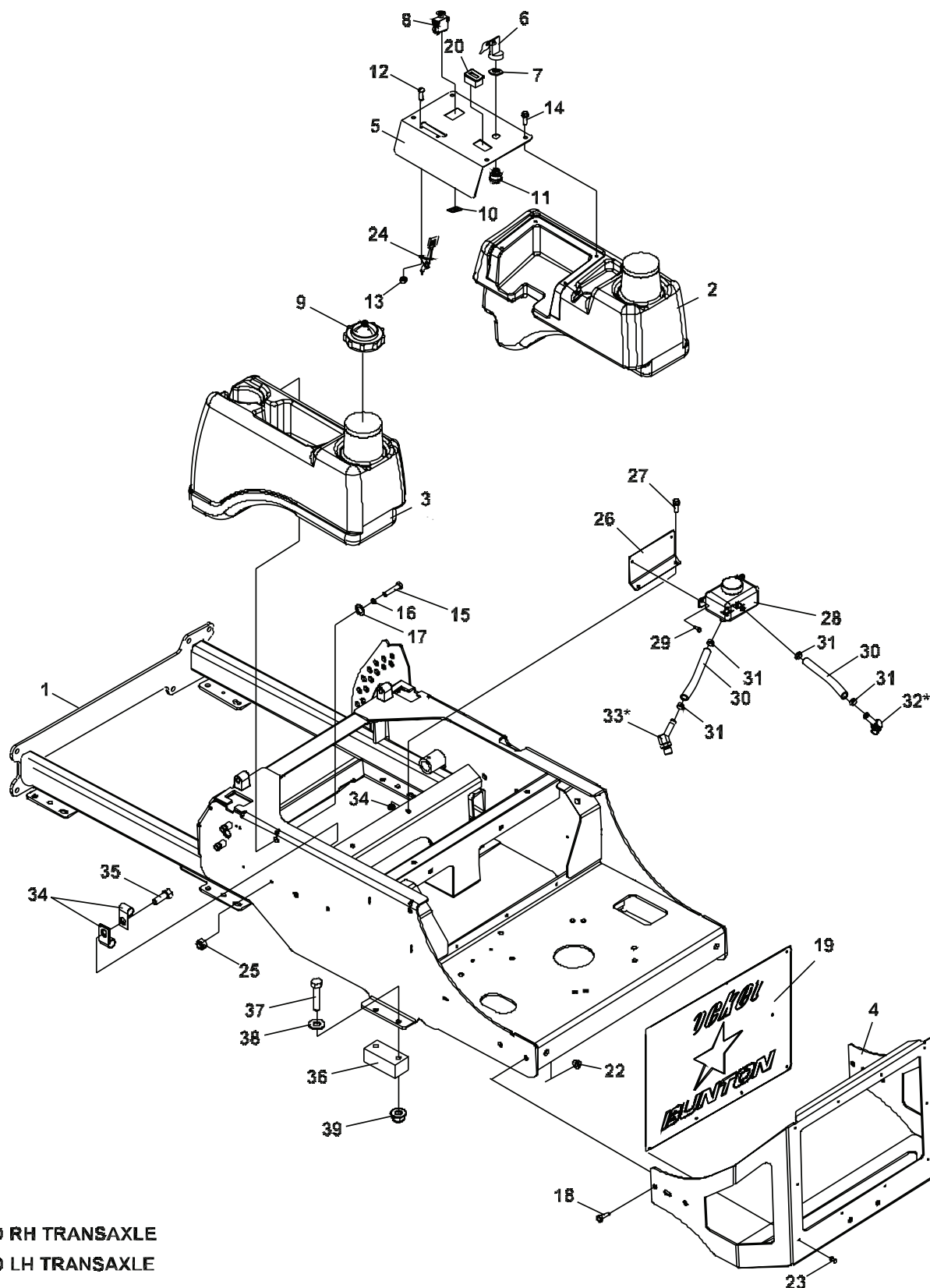
ITM	PART NO.	DESCRIPTION	QTY	ITM	PART NO.	DESCRIPTION	QTY
1	4163169	S-FRAME W/LABELS, BUNTON	1	34	64187-03	WHEEL NUT 1/2-20	8
2	4162973	SHAFT-PULLARM MOUNT	1	35	4133302	S-ASSY-IDLER ARM PUMP	1
3	4163071.7	WLDMT-PULL ARM	2		4147276	ASSY-IDLER ARM	1
4	4142045-03	ARM-CONTROL	2		(USED ON 36" ONLY)		
5	4156464	AXLE-LH	1		(INCLUDES ITEMS 36-38)		
	(INCLUDES ITEMS 4, 25, 26, 27, 32, 39 & 40)						
6	64163-29	WASHER	2	36	4128004	BEARING-BALL 10X26X8	2
7	64123-68	BOLT-HEX 5/16-18X1	2	37	64144-40	SNAP RING-26MM INTERNAL	1
8	64025-02	NUT-HEX 5/16-18	2	38	4128000	SEAL-16X26X7	1
9	64270-01	BOLT-MET, HEX M10-1.5x30	1		4127999	SEAL-16X24X7	1
10	64123-54	BOLT, 5/16-18X3/4 HEX	2		(USED ON 36" MODELS ONLY)		
11	64163-55	WASHER .328X.75X14 GA	10	39	4163055	FAN-TRANSAXLE	2
12	38219	SPRING-TENSION	1	40	4142045-01	PULLEY-TRANSAXLE	2
13	64123-67	BLT-HEX 3/8-16 X 2	1	41	64163-61	WASHER	2
14	4128001	END CAP-24 X 7	1	42	4128002	CAP-END	1
15	64268-02	NUT-FL NYLON LOCK 5/16-18	10		(USED ON 36" MODELS ONLY)		
16	2228016	PULLEY-IDLER PUMP	1				
17	64163-31	WASHER, 25/64X1X12	4	43	4144646	SPACER	4
18	64123-55	BLT-HEX 5/16-18X3	4		(USED ON 36" MODELS ONLY)		
19	64229-03	LOCKNUT-NYLON 3/8-16	1				
20	4156465	AXLE-RH	1	44	48228-11	CLIP-CABLE, INSULATED	1
	(INCLUDES ITEMS 4, 25, 26, 27, 32, 39 & 40)				(USED ON 36" MODELS ONLY)		
21	4143636	BELT-TRANSAXLE	1				
22	4143570	ROD-BATTERY CLAMP	2	45	64123-201	BOLT-5/16-18 X 3 3/4 LG4	
23		BATTERY	1		(USED ON 36" MODELS ONLY)		
	(OBTAIN LOCALLY)						
24	64123-12	BLT-HEX 5/16-18X2-1/2	4				
25*	4142045-06	FILTER-TRANSAXLE	2				
26*	4142045-04	SPRING-CONTROL ARM	2				
27	4142045-05	ARM-BRAKE	2				
28	64123-168	BLT-HEX 5/8-11X2-1/2	2				
29	64163-73	WSHR-.625IDX1.12ODX.062	4				
30	85010N	ZERK, 1/4-28	4				
31	64229-06	LOCKNUT, NYLON 5/8-11	2				
32*	4142045-02	NUT-PULLEY	2				
33	4142752	TIRE-ASSY 20 X 8 - 10 4 PLY	2				
	(USED ON 42" & 48" DECKS ONLY)						
	4142092	TIRE-ASSY 18 X 6.50 - 8	2				
	(USED ON 36" DECKS ONLY)						
	4155841	TIRE-ASSY 20 X 10-10	2				
	(USED ON 52" DECKS ONLY)						

* NOT ILLUSTRATED

FUEL TANK/BUMPER & CONTROL PANEL

Rocket

FIGURE 3



32* TO RH TRANSAXLE
33* TO LH TRANSAXLE

Rocket

FUEL TANK/BUMPER & CONTROL PANEL

FIGURE 3

ITM	PART NO.	DESCRIPTION	QTY	ITM	PART NO.	DESCRIPTION	QTY
1	4163169	S-FRAME W/LABS, BUNTON	1	(ITEMS 36 - 39 USED WITH 36" DECKS ONLY)			
2	4142840-2	TANK-FUEL RH BUNTON	1	36	4144645	SPACER-TRANSAXLE	2
3	4142841-2	TANK-FUEL LH BUNTON	1	37	64123-180	BOLT-HEX 5/16-18X4-1/2	4
4	4142753.7	BUMPER	1	38	64163-55	WASHER	4
5	4151358	S-CONTROL PANEL	1	39	64268-02	LOCKNUT-FL NY 5/16-18	4
6	128010-03	S-COVERED KEY	1	* NOT ILLUSTRATED			
7	128010-01	S-KEY SWITCH NUT 5/8-32	1				
8	2721505	SWITCH-PTO	1				
9	4130320	CAP-FUEL TANK	2				
10	2188178	SWITCH-RETAINER	1				
11	128010	SWITCH, KEY	1				
12	64152-46	SCREW-SLT HH 10-24X1/2	2				
13	64025-15	NUT-HEX #10-24 KEPS	2				
14	64262-001	BLT-FLG HD 1/4-20 X 1/2	4				
15	64123-15	BOLT-3/8-16X3/4 HEX	6				
16	64006-03	WASHER-3/8	6				
17	64163-61	WASHER	6				
18	64262-010	BLT-FLG HD 3/8-16 X 3/4	4				
19	4162965.5	NAMEPLATE-BUMPER	1				
20	4136792	METER-HOUR	1				
21*	4144213	TUBE-FUEL FEED	2				
22	64141-4	NUT-WLF 3/8-16	4				
23	64215-02	RIVET-POP	10				
24	118020-17	CONTROL-THROTTLE	1				
25	64229-02	LOCKNUT-NYLON 5/16-1826	4				
26	4146005.7	BRKT-EXPANSION TANK	1				
27	64123-54	BOLT-5/16-18X3/4 HEX	2				
28	4142808	TANK-DUAL EXPANSION	1				
29	64152-27	1/4-20X5/8 LG SP SCREW	2				
30	138058-09	HOSE-.50IDX.84ODX34"	2				
31	108094-06	CLAMP-HOSE	4				
32	158058-06	FITTING-90 BARB, ADJ	1				
33	2690030-02	FTG-9/16-18 ORBX1/2BARB45	1				
34	48228-2A	CLAMP-3/4 CLIP	4				
35	64123-68	BOLT-HEX 5/16-18X1	2				

FUEL VALVE & COVER PLATE

Rocket

FIGURE 4

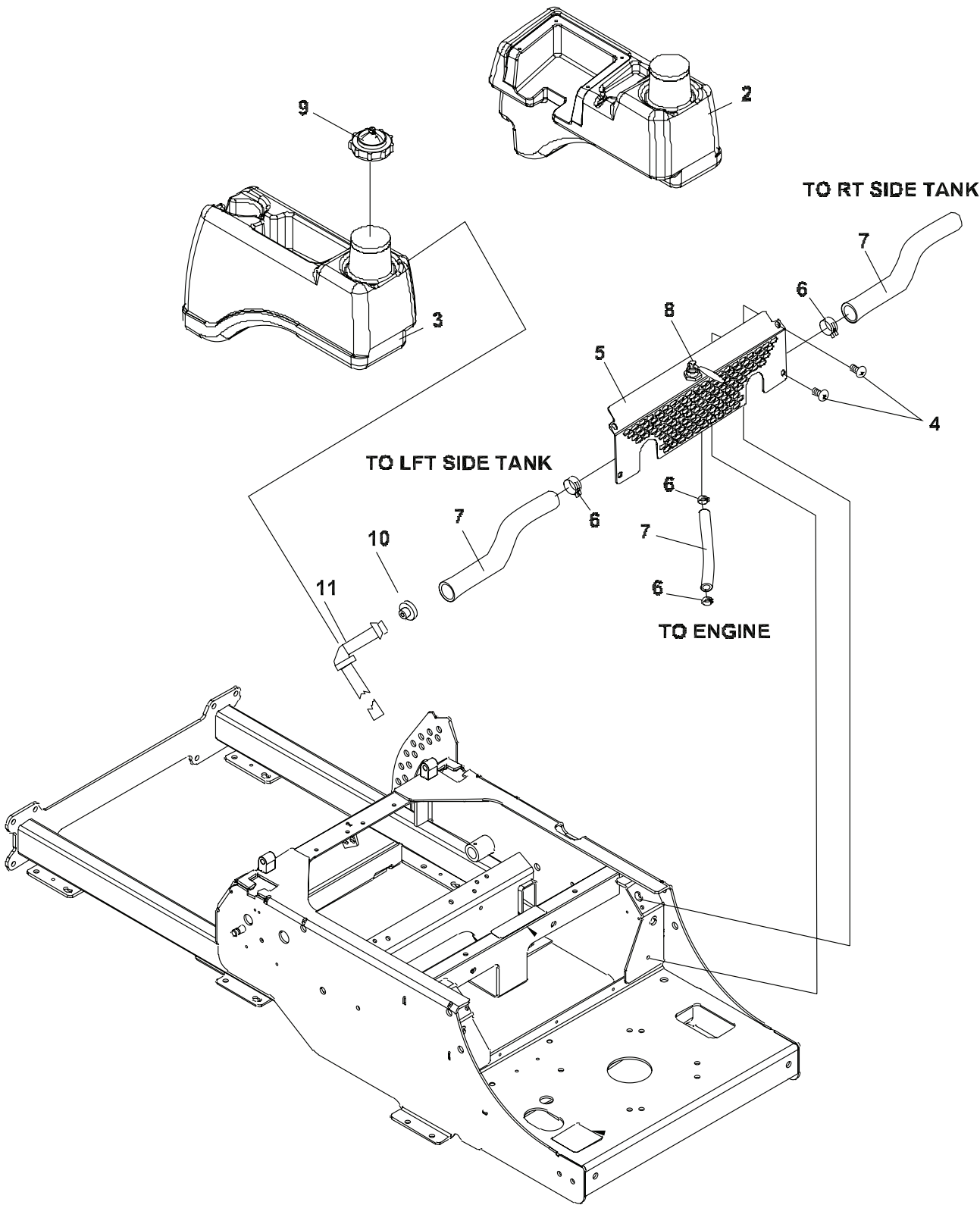


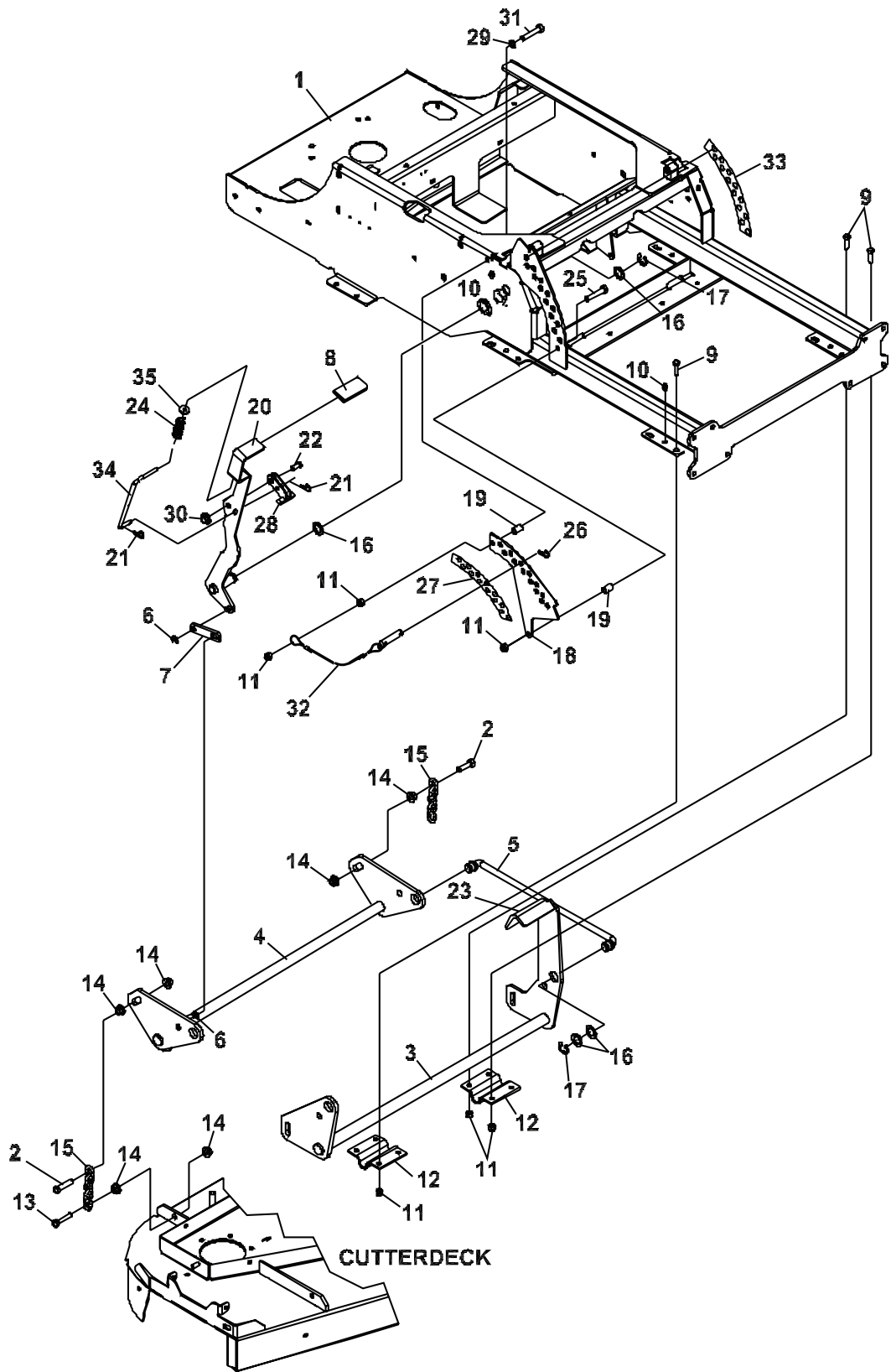
FIGURE 4

ITM	PART NO.	DESCRIPTION	QTY	ITM	PART NO.	DESCRIPTION	QTY
1	4163169	S-FRAME W/LABS, BUNTON	1				
2	4142840-2	TANK-FUEL RH BUNTON	1				
3	4142841-2	TANK-FUEL LH BUNTON	1				
4	64197-001	BLT-TDFM 5/16-18X3/4	4				
5	4146655.7	COVER-FRAME, REAR	1				
6	88042N	HOSE CLAMP	6				
7	4162977-009	HOSE-1/4 FUEL LINE 24"	3				
8	2188161	VALVE-TANK SELECTOR	1				
9	4130320	CAP-FUEL TANK	2				
10	4132325	GROMMET-FUEL TANK	2				
11	4144213	TUBE-FUEL FEED	2				

DECK LIFT ASSEMBLY

Rocket

FIGURE 5



Rocket

DECK LIFT ASSEMBLY

FIGURE 5

ITM	PART NO.	DESCRIPTION	QTY	ITM	PART NO.	DESCRIPTION	QTY
1	4163169	S-FRAME W/LABS, BUNTON	1				
2	64205-060	BOLT-MET M12-1.75X50	8				
3	4143514.7	WLDMT-DECKLIFT, FRONT	1				
4	4143512.7	WLDMT-DECKLIFT REAR	1				
5	4109960	WLDMT-DECK LIFT ROD	2				
6	64221-05	E-RING .500	2				
7	4126687.7	BRKT-LIFT LINK	1				
8	2188143	GRIP	1				
9	64123-50	BOLT-HEX 3/8-16X1	16				
10	85010N	ZERK, 1/4-28 STR	5				
11	64229-03	LOCKNUT-NYLON 3/8-16	19				
12	2182356.7	BRACKET-SHAFT HANGER	4				
13	64205-029	BLT-MET M12X1.75X40	8				
14	64246-04	NUT-WHIZ M12-1.75	16				
15	2188127	CHAIN-6.35 (.250) 5 LINKS	4				
16	64163-65	WASHER-.890X1.375X18GA	10				
17	64221-04	E-RING.875	5				
18	4143575.5	BRKT-OUTER DECK LIFT	1				
19	2183071-03	SPACER-15.88X10.32X24	2				
20	4143606.7	LEVER-DECK LIFT	1				
21	64168-2	COTTER-HAIRPIN.08X1.19	2				
22	64188-53	PIN-CLEVIS 1/2X1.0	1				
23	4139785	MAT-FOOT LIFT	1				
24	2720544	SPRING-COMPRESSION	1				
25	64123-67	BLT-HEX 3/8-16X2	1				
26	64168-1	COTR-HAIRPIN.120X2-3/8	1				
27	4126611	LABEL-H.O.C. OUTER,	1				
28	4162904.7	WLDMT-LVR STOP LATCH	1				
29	64163-31	WASHER	1				
30	64175-05	PUSHNUT-1/2 DIA	1				
31	64123-82	BOLT-HEX 3/8-16X2-1/2	1				
32	2188141	ASSY, PIN & LANYARD	1				
33	2720743	LBL-HT CUT INNER	1				
34	4159284	ROD-LIFT STOP	1				
35	64163-29	WASHER-21/64X1X11GA	1				

CASTER ASSEMBLY

Rocket

FIGURE 6

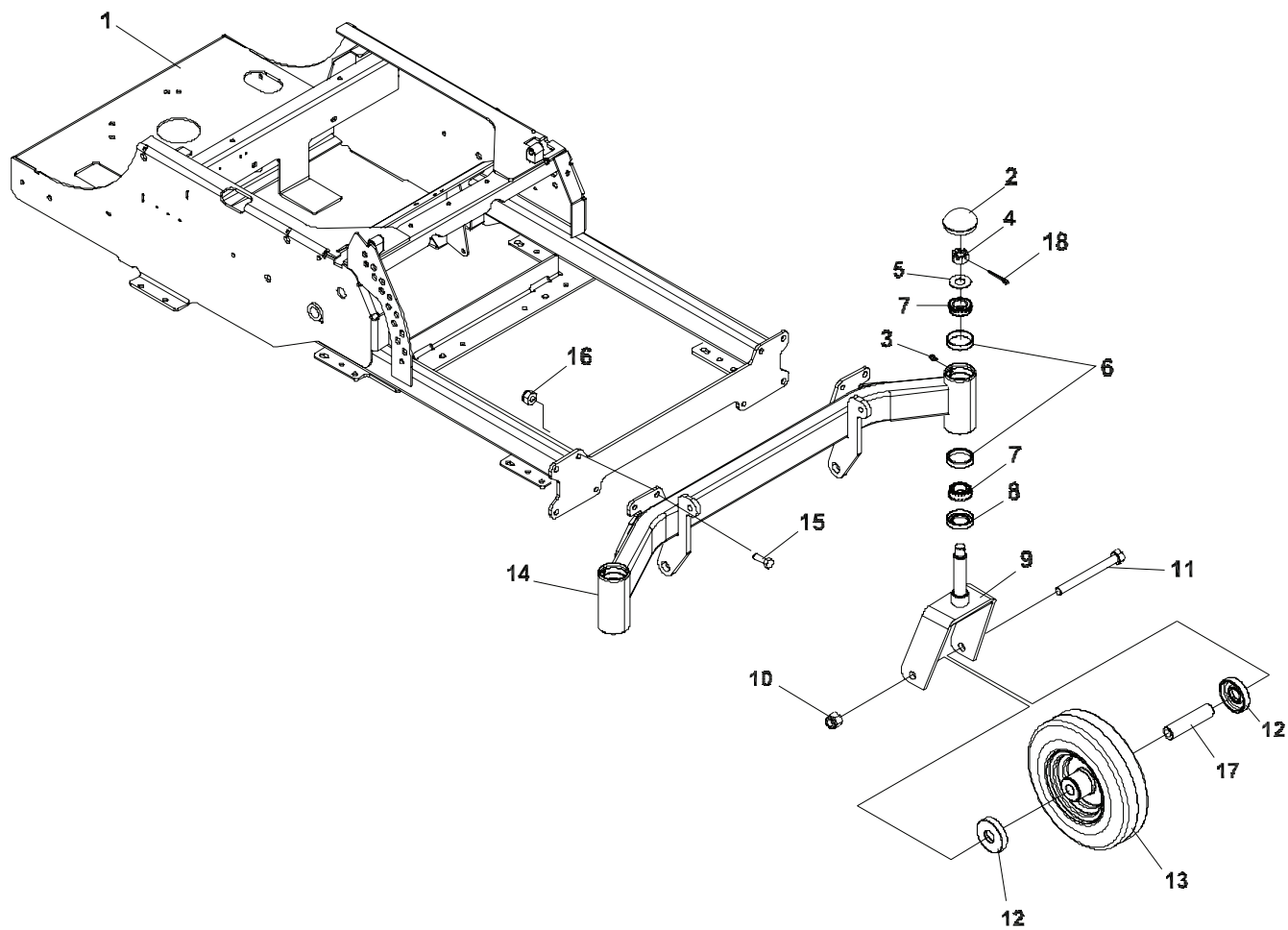


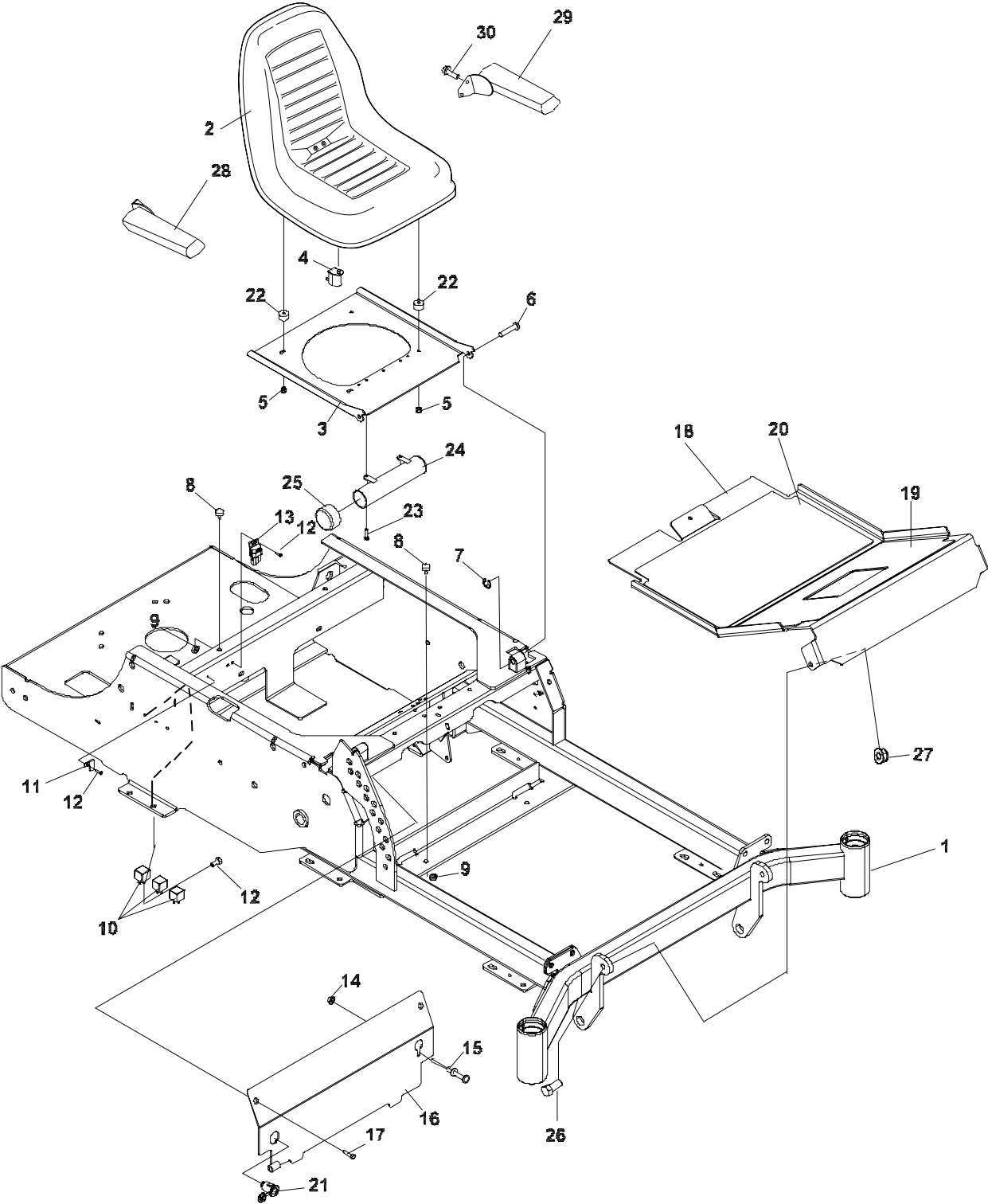
FIGURE 6

ITM	PART NO.	DESCRIPTION	QTY	ITM	PART NO.	DESCRIPTION	QTY
1	4163169	S-FRAME W/LABS, BUNTON	1				
2	4162986	DUST COVER	2				
3	85010N	ZERK-1/4-28	2				
4	64025-20	NUT-HEX 3/4-16 SLOT U	2				
5	64163-26	WASHER	2				
6	48043-03C	CUP-OUTER BEARING	4				
7	48043-04C	CONE-OUTER BEARING	4				
8	48480	SEAL	2				
9	4143675.7	WLDMT-CASTER	2				
10	64229-06	LOCKNUT-NYLON 5/8-11	2				
11	64123-212	BOLT-5/8-11X6.00	2				
12	2722231	SPACER-END	4				
13	2722233	WHEEL-11"ASSY-LT TYPE	2				
14	4162945.5	WLDMT-CSTR MOUNTING (USED ON 48" & 52" DECKS ONLY)	1				
	4162974.5	WLDMT-CSTR MOUNTING (USED ON 36" & 42" DECKS ONLY)	1				
15	64123-16	BLT-HEX 3/8-16X1-1/4	8				
16	64229-03	LOCKNUT-NYLON 3/8-16	8				
17	2722230-01	SPANNER-11" WHEEL	2				
18	340636	COTTER PIN	2				

KICKPLATE/SEAT ASSEMBLY

Rocket

FIGURE 7



ITM	PART NO.	DESCRIPTION	QTY	ITM	PART NO.	DESCRIPTION	QTY
1	4163169	S-FRAME W/LABS, BUNTON	1				
2	4144725	SEAT	1				
*	4151800	KIT-SEAT ADJUSTER	1				
*	4139431	KIT-ARM REST	1				
3	4142692.7	PLATE-SEAT	1				
4	4124009	SWITCH-SEAT NO	1				
5	64268-02	NUT-NY LOCK 5/16-18	4				
6	33138-09	PIN-CLEVIS GRVD .38 X 1.31	2				
7	64144-30	SNAP RING .375	2				
8	4143354	BUMPER, SEAT MOUNTING	4				
9	64141-6	NUT-5/16-18	6				
10	2722325	RELAY-40AMP SEALED	3				
11	148082-20	FUSE-20 AMP	2				
12	64197-015	BLT-TDFM 10-32X1/2	6				
13	2188154	MODULE-DELAY	1				
14	64025-04	NUT-3/8-24 HEX	1				
15	108009-08	CABLE-CHOKE 65	1				
16	4142167.5	PLATE-FRONT REMOVABLE	1				
17	64197-005	BLT-TDFM 3/8-16X1-1/4	2				
18	4163167	S-FOOT PLATE	1				
19	4163035	MAT-FOOT PLATE UPPER	1				
20	4163034	MAT-FOOT PLATE LOWER	1				
21	4142266	CONNECTOR-12V RECEPT	1				
22	2720975-07	SPACER-NYLON 3/8"	4				
23	64152-27	1/4-20X5/8 LG SP SCREW	2				
24	4129802	TUBE-DOCUMENT	1				
25	38061A	CAP-VINYL	1				
26	64123-16	BLT-HEX 3/8-16X1-1/4	2				
27	64229-03	NUT-NYL LOCK 3/8-16	2				
28	4155681	ARM REST-RH	1				
29	4155680	ARM REST-LH	1				
30	64139-16	BOLT -ADJUSTER	2				

* NOT ILLUSTRATED

FIGURE 8

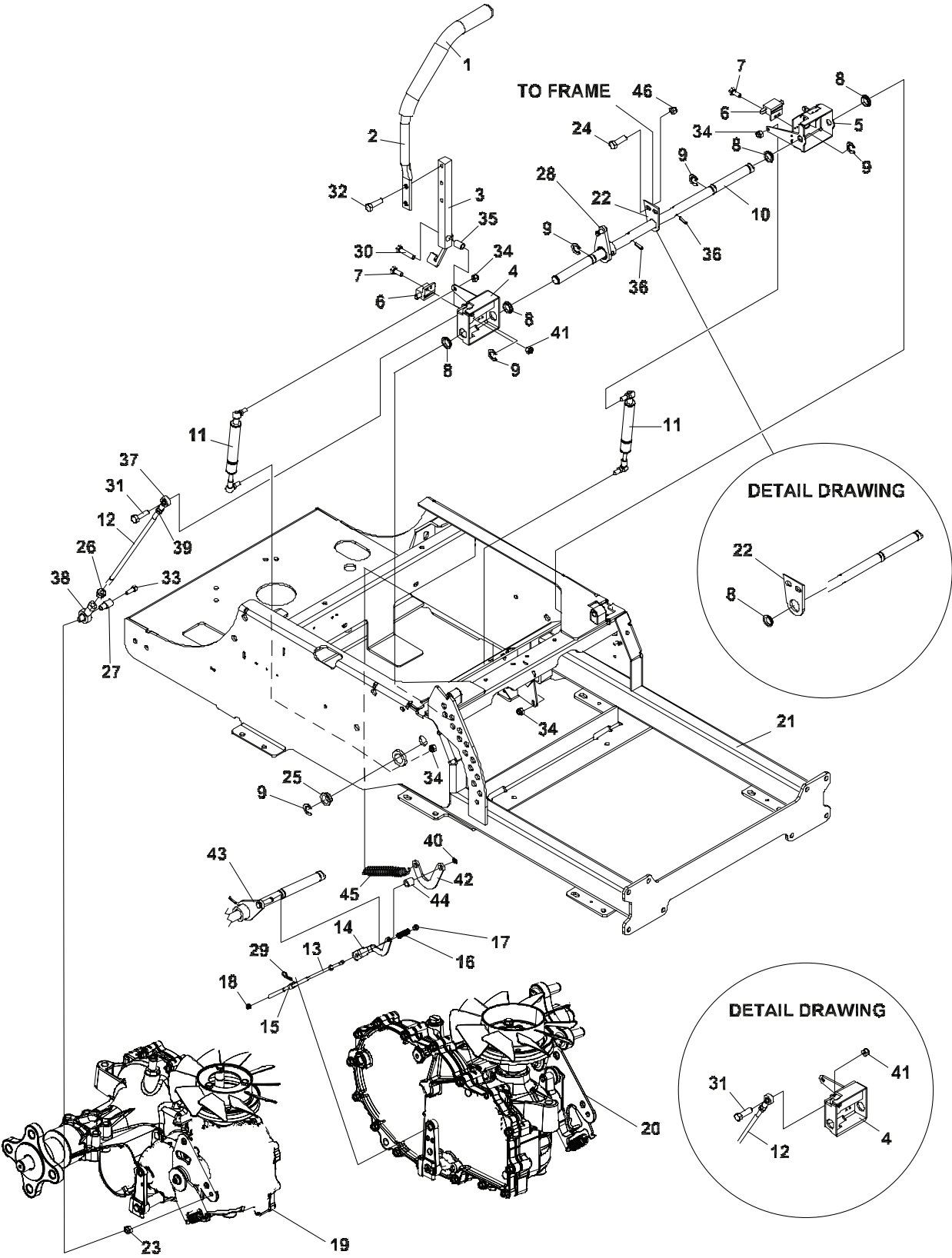


FIGURE 8

ITM	PART NO.	DESCRIPTION	QTY	ITM	PART NO.	DESCRIPTION	QTY
1	4144705	GRIP-HANDLE	2	41	64229-02	LOCKNUT-NYLON 5/16-18	4
2	4156297.7	LEVER-TRACTION CNTRL	2	42	4147116.7	LINK-BRAKE	1
3	4156295	WLDMT-CONTROL BAR, RH	1	43	4155482.7	WLDMT-BRAKE ARM	1
*	4156294	WLDMT-CONTROL BAR, LH	1	44	4147196	SPACER	1
4	4143673.7	WLDMT-CONTROL BOX RH	1	45	41-010	SPRING-TENSION	1
5	4143674.7	WLDMT-CONTROL BOX LH	1				
6	108208	SWITCH DBL POLE	2				
7	64197-015	BLT-TDFM 10-32X1/2 TORX	4				
8	4127142	BSHG-CONTROL ARM	5				
9	64221-03	E-RING 19MM/.750	6				
10	4143676	BAR-CONTROL PIVOT	1				
11	2721246	DAMPENER	2				
12	4143571	ROD-CONTROL	2				
	4143572	ROD-CONTROL, LONG	2				
		(USED ON 36" MODELS ONLY)					
13	4144525	ROD-PARKING BRAKE	2				
14	4155661.7	LINK-PARKING BRAKE RH	1				
*	4155660.7	LINK-PARKING BRAKE LH	1				
15	4145589	SWIVEL-3/8-16	2				
16	4155481	SPRING-COMPRESSION	2				
17	64268-03	LOCKNUT-NYLON 3/8-16	2				
18	64025-05	NUT-3/8-16 HEX	2				
19	4156465	AXLE-RH FASTCAT	1				
20	4156464	AXLE-LH FASTCAT	1				
21	4163169	S-FRAME W/LABS, BUNTON	1				
22	4146988.7	BRKT-CNTRL BAR SUPT	1				
23	64229-01	LOCKNUT-1/4-20 NYLON	4				
24	64123-89	BOLT-HEX 1/4-20X3/4	2				
25	4146187	BEARING-FLANGE	1				
26	64025-33	NUT-HEX 5/16-24 LH	2				
27	4145106	SPACER-CONTROL ROD	2				
28	4155483.7	BRAKE, ARM LINKAGE	1				
29	64168-2	COTTER-HAIRPIN	2				
30	64123-69	BOLT-5/16-18X1-1/2 HEX	2				
31	64123-68	BOLT-HEX 5/16-18X1	2				
32	64262-011	BOLT-FLG HD 3/8-16 X 1	4				
33	64123-105	BLT-HEX 1/4-20X1-5/8	2				
34	64237-05	LOCKNUT-NYLON M8-1.25	4				
35	4133156	SPACER	2				
36	64061-25	ROLL PIN	2				
37	4143595-01	ROD END-FEMALE RH	2				
38	4143595-02	ROD END-FEMALE LH	2				
39	64025-03	NUT-HEX 5/16-24	2				
40	64144-30	SNAP RING	2				

* NOT ILLUSTRATED

PARKING BRAKE

Rocket

FIGURE 9

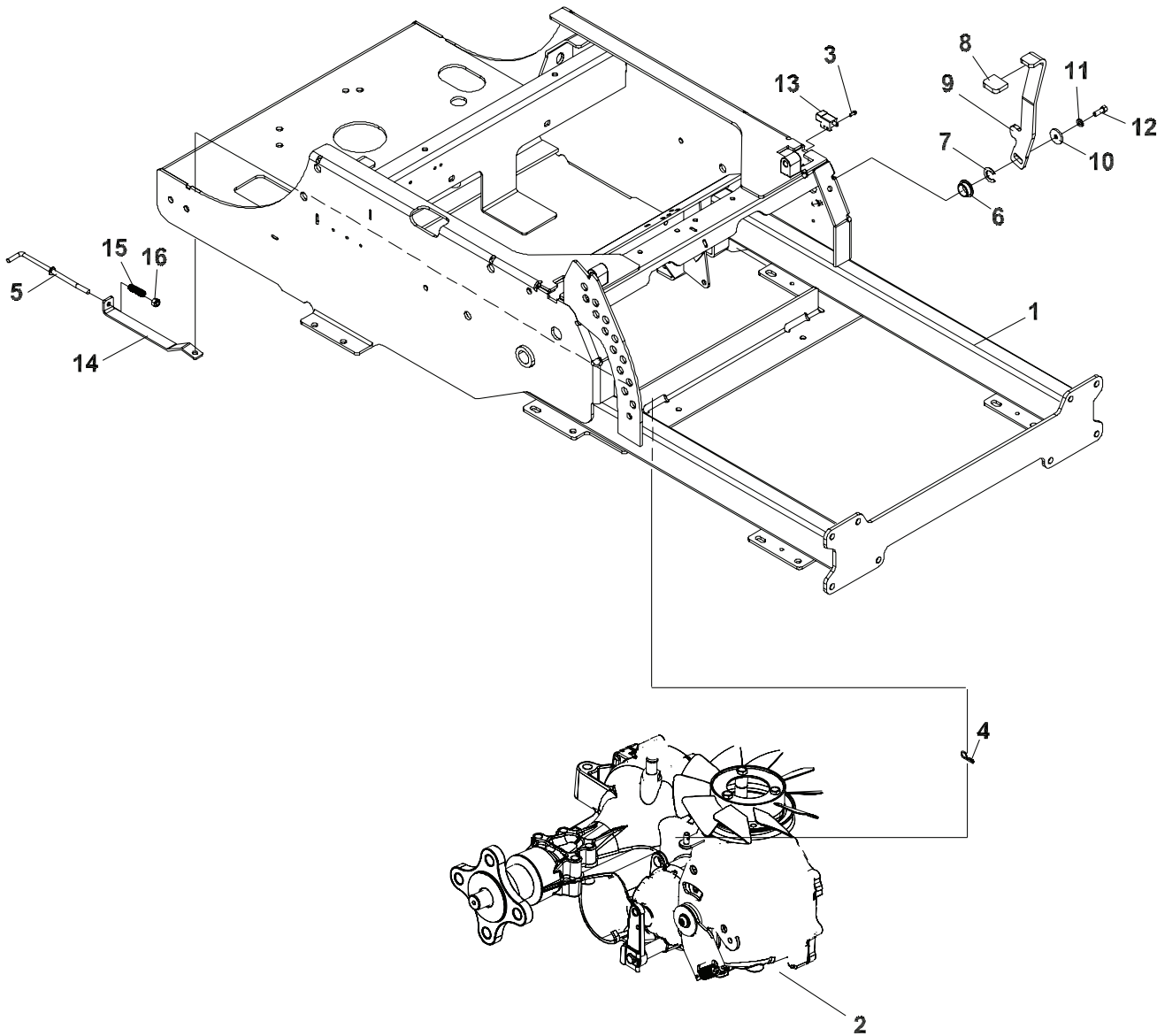


FIGURE 9

ITM	PART NO.	DESCRIPTION	QTY	ITM	PART NO.	DESCRIPTION	QTY
1	4163169	S-FRAME W/LABS, BUNTON	1				
2	4156464	TRANSAXLE, RH	1				
3	64197-015	BLT-TDFM 10-32X1/2 TORX	2				
4	64168-2	COTTER-HAIRPIN.08X1.19	2				
5	4148697	ROD-BYPASS CONTROL	2				
6	4146187	BEARING-FLANGE	1				
7	64221-03	E-RING 19MM/.750	1				
8	2188155	GRIP	1				
9	4163060.7	HANDLE-BRAKE FASTCAT	1				
10	64163-34	WASHER	1				
11	64006-01	LOCKWASHER	1				
12	64123-89	BOLT-HEX 1/4-20X3/4	1				
13	2188156	SWITCH-NONO DBL POLE	1				
14	4148698.7	LINK-DUMP VALVE	2				
15	2720977	SPRING-COMPRESSION	2				
16	64229-01	LOCKNUT-1/4-20 NYLON	2				

WIRE HARNESS

Rocket

FIGURE 10

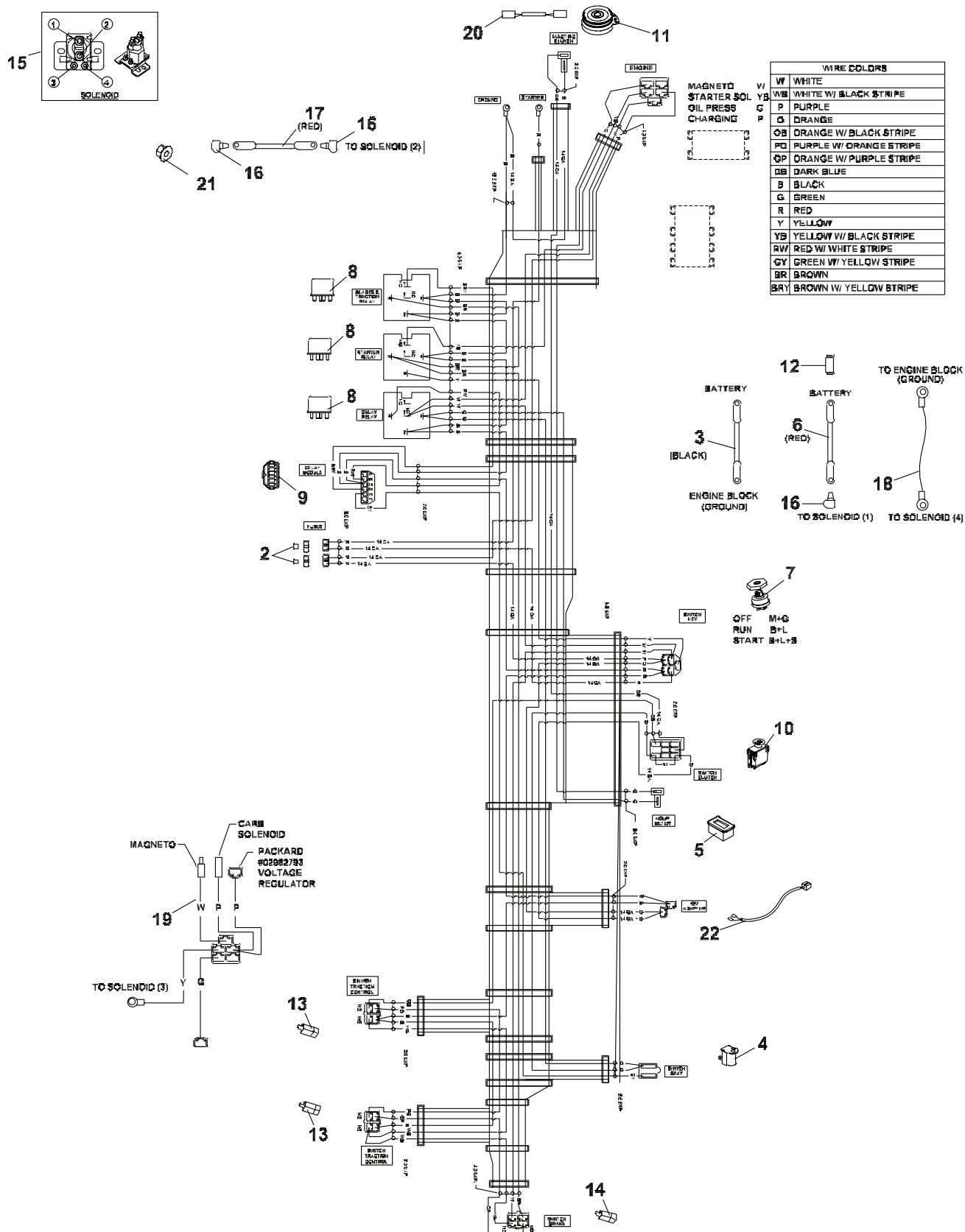


FIGURE 10

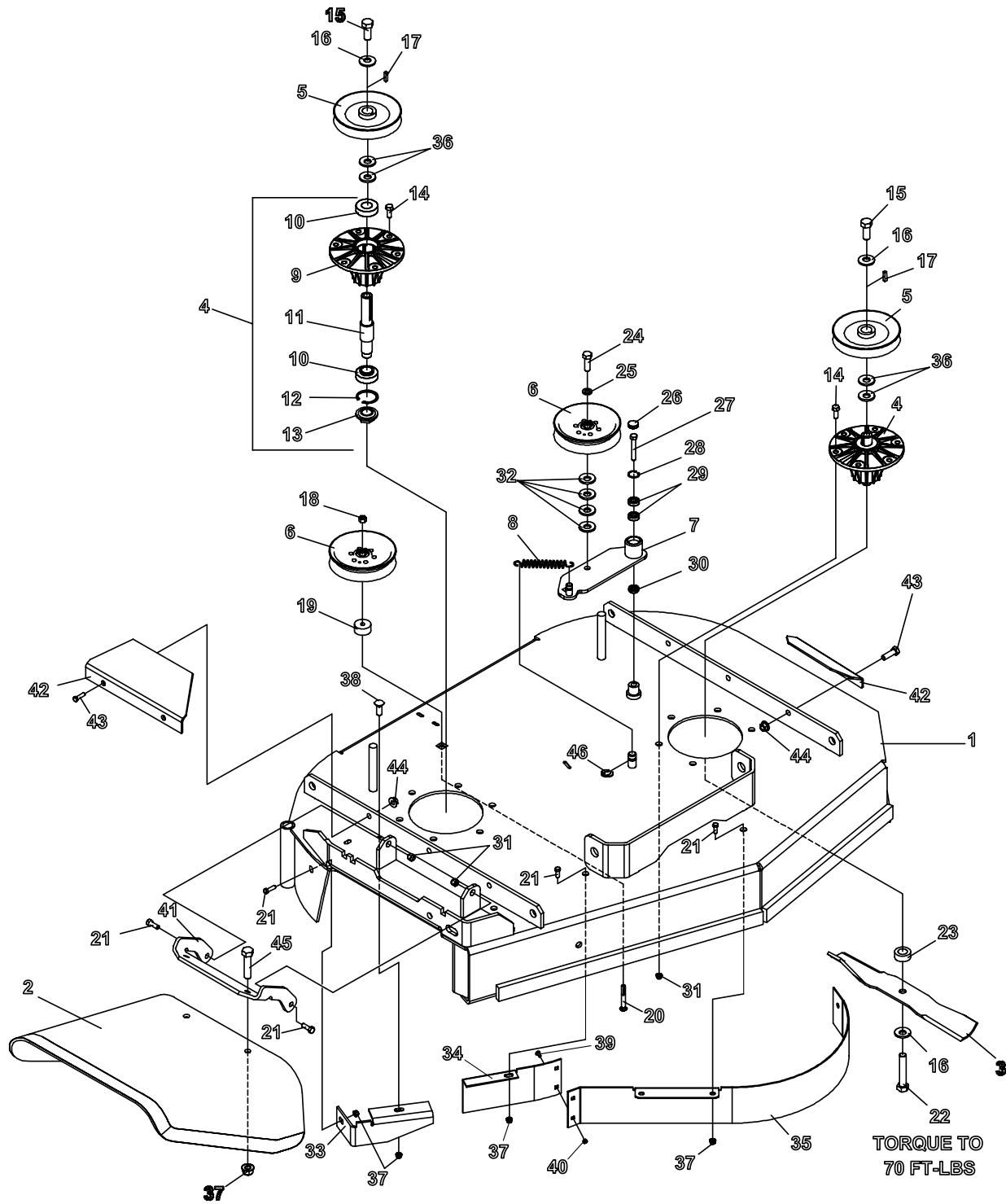
ITM	PART NO.	DESCRIPTION	QTY	ITM	PART NO.	DESCRIPTION	QTY
1	4154880	HARNESS-MAIN WIRE	1				
2	148082-20	FUSE 20 AMP	2				
3	30-419	CABLE-BATT 4 GA BLK 29"	1				
4	4124009	SWITCH-SEAT NO	1				
5	4136792	METER-HOUR	1				
6	30-180	CABLE-BATT 4 GA RED 29"	1				
7	128010	SWITCH, KEY	1				
8	2722325	RELAY-40AMP SEALED	3				
9	2188154	MODULE-DELAY	1				
10	2721505	SWITCH-PTO	1				
11	4144116	CLUTCH-ELECTRICAL	1				
12	30-184	COVER-POS TERMINAL	1				
13	108208	SWITCH DBL POLE	2				
14	2188156	SWITCH-NONO DBL POLE	1				
15	38665	SOLENOID	1				
16	2308095	COVER-TERMINAL	3				
17	108061-04	CABLE-BATTERY 20 RED	1				
18	2188225	WIRE-GROUND	1				
19	2188224	HARNESS-JUMPER	1				
	2722013	HARNESS-JUMPER	1				
	(USED ON MODEL 942290 ONLY)						
20	2720949	ASSY-CLUTCH WIRE	1				
21	64141-2	NUT-WLF 1/4-20	1				
22	158136	WIRE-SEAT SWITCH	1				
23*	56-081	SLEEVING, ID 0.77 NYLON 2'	1				

* NOT ILLUSTRATED

36" SIDE DISCHARGE

Rocket

FIGURE 11



Rocket

36" SIDE DISCHARGE

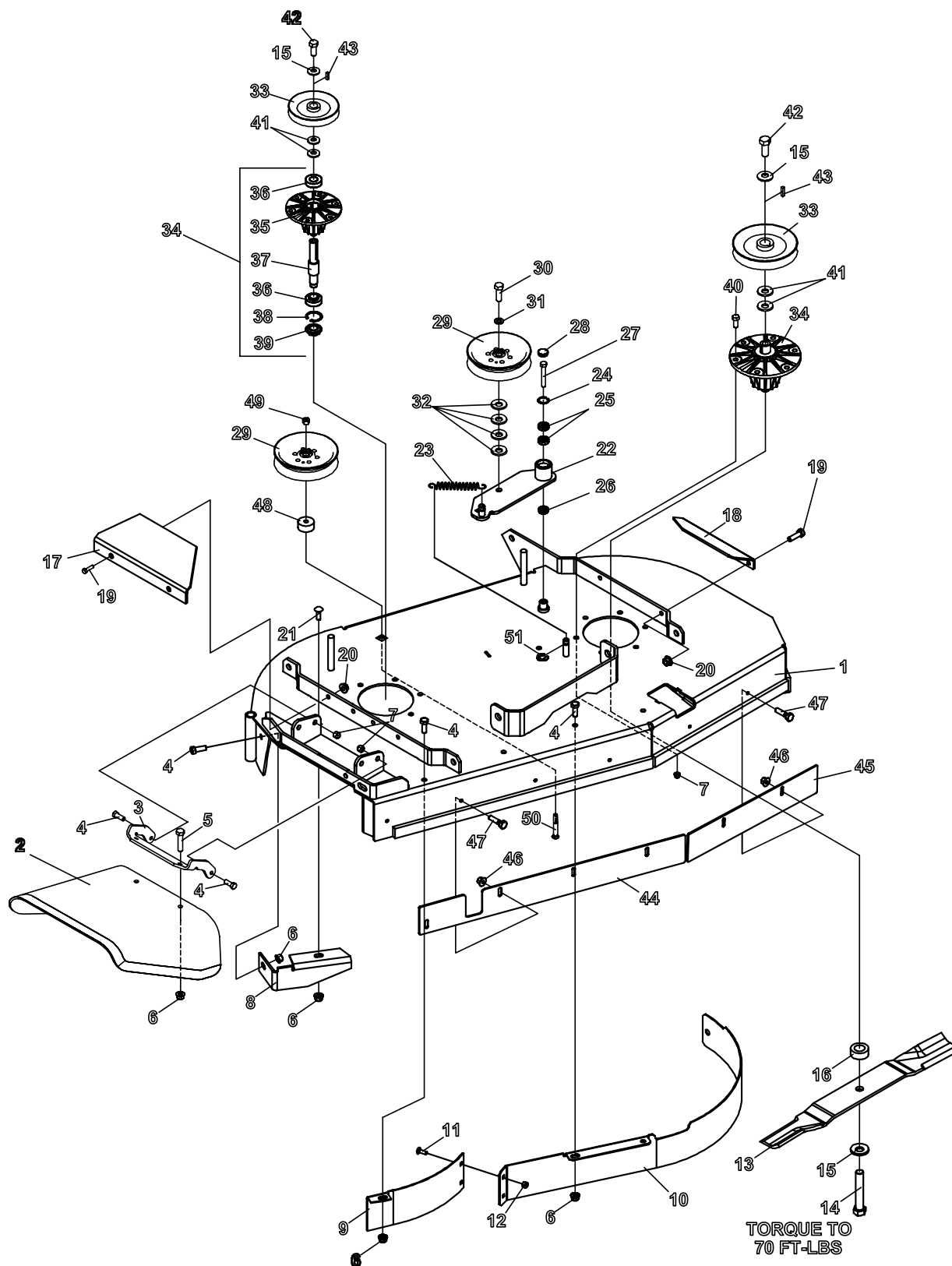
FIGURE 11

ITM	PART NO.	DESCRIPTION	QTY	ITM	PART NO.	DESCRIPTION	QTY
1	4146871	S-36 DECK W/LABELS	1	41	4149017.7	HINGE-CHUTE_RUBBER	1
2	4147115	CHUTE-RUBBER	1	42	4147757.7	COVER-BELT 36	2
3	112111-02	BLADE 18.00 OFFST HLFT	2	43	64139-08	BOLT-5/16-18X3/4 WLF	4
4	4115850	S-ASSY SPINDLE OUTER	2	44	64141-6	FLANGE NUT, 5/16-18 NC ZP	4
5	4144947	PULLEY-SPINDLE	2	45	64262-013	BLT-FLG HD 3/8-16 X 1-1/2	2
6	128169	PULLEY, IDLER 5.50	2	46	64144-36	E-CLIP	1
7	4146065	ARM, DECK IDLER ASSY (INCLUDES ITEMS 28-30)	1				
8	2308133	SPRING-EXTENSION	1				
9	2721096	HOUSING-SPINDLE (INCLUDES ITEMS 10 - 13)	2				
10	38348-01	BEARING-SPINDLE SEALED	4				
11	2183070-02	SHAFT-SPINDLE	2				
12	64144-38	SNAP RING	2				
13	38315	NUT-SPINDLE	2				
14	64262-012	BLT-FLG HD 3/8-16 X 1-1/4	12				
15	64123-208	BLT-HEX 5/8-18X1.5	2				
16	64209-03	SPRING WASHER	4				
17	64164-12	KEY-1/4X1/4X1 SQ END	2				
18	64268-05	NUT-FL NYLON LOCK 1/2-13	1				
19	4152578-01	SPACER	1				
20	64123-31	BOLT-1/2-13X3 HEX	1				
21	64123-50	BOLT-HEX 3/8-16X1	7				
22	64123-187	BLT-HEX 5/8-18 X 3 3/4	2				
23	4118314	SPACER-BLADE 16MM	2				
24	64123-90	BOLT, 1/2-20X2 HEX	1				
25	64006-05	LOCKWSHR-HELICAL 1/2	1				
26	4128002	END CAP	1				
27	64270-01	BOLT-MET M10-1.5 X 30	1				
28	64144-40	SNAP RING	1				
29	4128004	BEARING	2				
30	4127999	SEAL	1				
31	64229-03	LOCKNUT-NYLON 3/8-16	14				
32	64163-19	WASHER	4				
33	4115864.7	BAFFLE-DISCHARGE	1				
34	4134343.7	BAFFLE-RIGHT FRONT	1				
35	4147035.7	BAFFLE-FRONT DECK	1				
36	64163-84	WASHER	4				
37	64268-03	NUT-FL NYLON LOCK 3/8-16	8				
38	64018-3	BOLT-3/8-16X1 CARRIAGE	1				
39	64018-2	BLT-CRG 1/4-20X3/4	2				
40	64229-01	LOCKNUT-1/4-20 NYLON	2				

42" SIDE DISCHARGE

Rocket

FIGURE 12



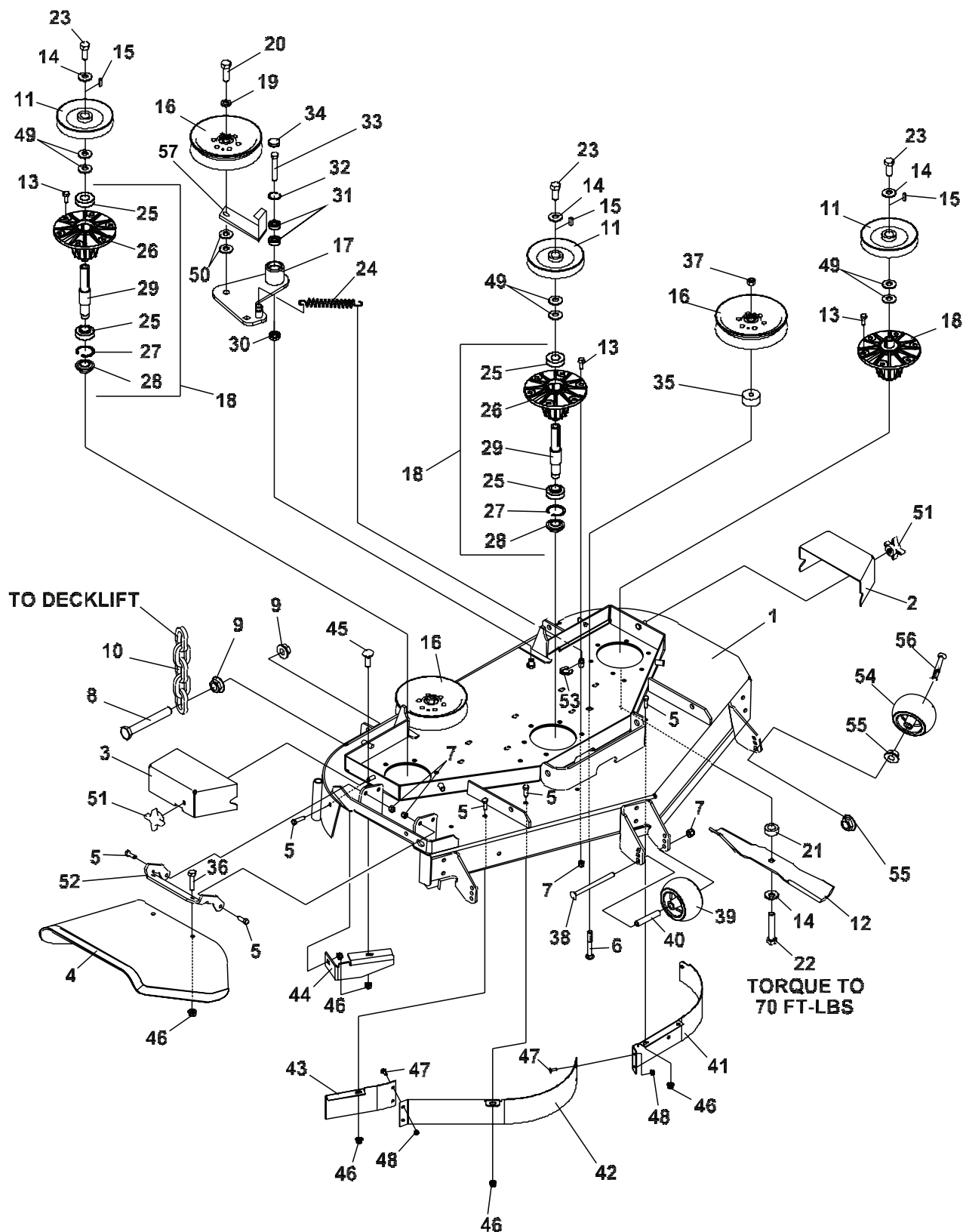
Rocket

42" SIDE DISCHARGE

FIGURE 12

ITM	PART NO.	DESCRIPTION	QTY	ITM	PART NO.	DESCRIPTION	QTY
1	4146870	S-42 DECK W/LABELS	1	41	64163-84	WASHER	2
2	4147399	CHUTE-RUBBER	1	42	64123-208	BLT-HEX 5/8-18X1.5	2
3	4149017.7	HINGE-CHUTE_RUBBER	1	43	64164-12	KEY	2
4	64123-50	BOLT-HEX 3/8-16X1	7	44	4152338.7	EXT-CUTTERDECK, RH	1
5	64262-013	BLT-FLG HD 3/8-16 X 1-1/2	2	45	415337.7	EXT-CUTTERDECK, LH	1
6	64268-03	NUT-FL NYLON LOCK 3/8-16	8	46	64141-2	NUT-WLF 1/4-20	6
7	64229-03	LOCKNUT-NYLON 3/8-16	14	47	64123-114	BOLT-HEX 1/4-20 X 1	6
8	4115864.7	BAFFLE-DISCHARGE	1	48	4152578-01	SPACER	1
9	4150775.7	BAFFLE-FRONT RIGHT	1	49	64268-05	NUT-FL NYLON LOCK 1/2-13	1
10	4150779.7	BAFFLE-FRONT LEFT	1	50	64123-31	BOLT-1/2-13X3 HEX	1
11	64018-2	BLT-CRG 1/4-20X3/4	2	51	64144-36	E-CLIP	1
12	64229-01	LOCKNUT-1/4-20 NYLON	2				
13	112111-03	BLADE 21.00 OFFST HLFT	2				
14	64123-187	BLT-HEX 5/8-18 X 3 3/4	2				
15	64209-03	SPRING WASHER	4				
16	4118314	SPACER-BLADE 16MM	2				
17	4152317.7	COVER-BELT	1				
18	4150977.7	COVER-BELT	1				
19	64139-08	BOLT-5/16-18X3/4 WLF	4				
20	64229-02	LOCKNUT-NYLON 5/16-18	4				
21	64141-6	FLANGE NUT, 5/16-18 NC ZP	1				
22	4146065	ARM-DECK IDLER ASSY	1				
	(INCLUDES ITEMS 24-26)						
23	2308133	SPRING	1				
24	64144-40	SNAP RING	1				
25	4128004	BEARING-BALL	2				
26	4127999	SEAL	1				
27	64270-01	BOLT-MET HEX M10-1.5X30	1				
28	4128002	END CAP	1				
29	128169	PULLEY-IDLER 5.50	2				
30	64123-90	BOLT-1/2-20X2 HEX	2				
31	64006-05	LOCKWSHR-HELICAL 1/2	2				
32	64163-19	WASHER	4				
33	4149197	PULLEY-6.25 DEEP GROOVE	2				
34	4115850	S-ASSY SPINDLE OUTER	2				
35	2721096	HOUSING-SPINDLE	2				
	(INCLUDES ITEMS 36-39)						
36	38348-01	BEARING-SPINDLE	4				
37	2183070-02	SHAFT-SPINDLE	2				
38	64144-38	SNAP RING	2				
39	38315	NUT-SPINDLE	2				
40	64262-012	BLT-FLG HD 3/8-16 X 1-1/4	12				

FIGURE 13



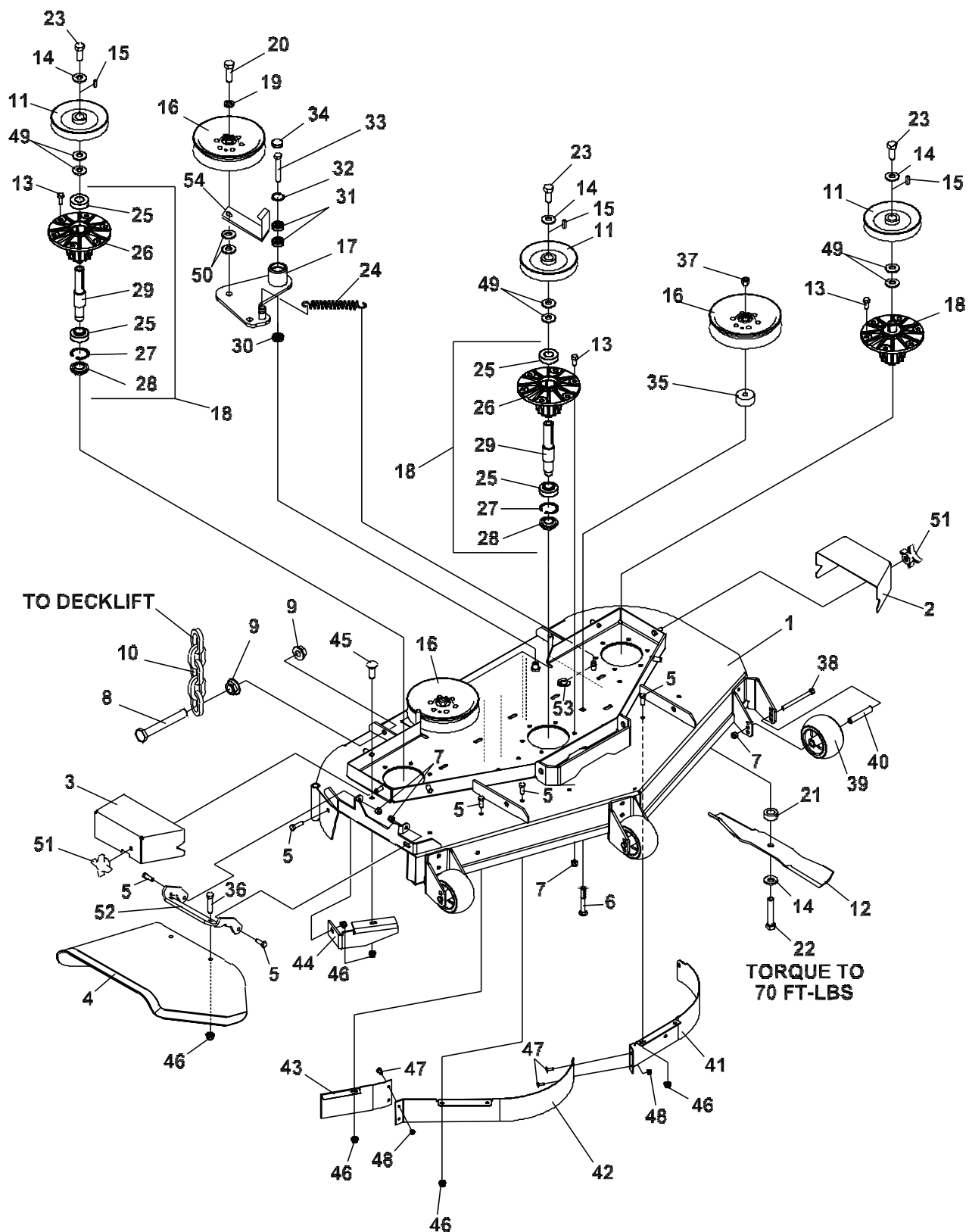
Rocket

48" SIDE DISCHARGE

FIGURE 13

ITM	PART NO.	DESCRIPTION	QTY	ITM	PART NO.	DESCRIPTION	QTY
1	4146869	S-48 DECK W/LABELS	1	41	4120175.7	BAFFLE-FRONT LH	1
2	4146596.2	GUARD-LH 48" DECK	1	42	4134336.7	BAFFLE-FRONT CENTER	1
3	4146595.2	GUARD-RH 48" DECK	1	43	4134342.7	BAFFLE-RIGHT FRONT	1
4	4147115	CHUTE-RUBBER	1	44	4120208.7	BAFFLE-DISCHARGE	1
5	64123-50	BOLT-HEX 3/8-16X1	9	45	64018-3	BOLT-3/8-16X1 CARRIAGE	1
6	64018-11	BOLT-CRG 1/2-13X3LG	2	46	64268-03	NUT-FL NYLON LOCK 3/8-16	10
7	64229-03	LOCKNUT-NYLON 3/8-16	25	47	64018-2	BLT-CRG 1/4-20X3/4	4
8	64205-029	BLT-MET M12X1.75X40	8	48	64229-01	LOCKNUT-1/4-20 NYLON	4
9	64246-04	NUT-WHIZ M12-1.75	16	49	64163-84	WASHER	6
10	2188127	CHAIN-6.35 (.250) 5 LINKS	4	50	64163-19	WASHER	A/R
11	4144947	PULLEY-SPINDLE	3	51	38524	KNOB-4 PRONG	2
12	112111-01	BLADE 16.25 OFFST HLFT	3	52	4149017.7	HINGE-CHUTE_RUBBER	1
13	64262-012	BLT-FLG HD 3/8-16 X 1-1/4	18	53	64144-36	E-CLIP	1
14	64209-03	SPRING WASHER.67 ID	6	54	4163332	ROLLER-ANTI SCALP	2
15	64164-12	KEY-1/4X1/4X1 SQ END	3	55	64141-13	NUT WLF 1/2-13	4
16	128169	PULLEY, IDLER 5.50	3	56	64123-31	BLT-HEX 1/2-13X3	2
17	4147896	ARM-DECK IDLER ASSY (INCLUDES ITEMS 30-32)	1	57	4163514.7	GUIDE-BELT	1
18	4115850	S-ASSY SPINDLE OUTER (INCLUDES ITEMS 25-29)	3				
19	64006-05	LOCKWSHR-HELICAL 1/2	1				
20	64123-05	BLT-HEX 1/2-20X1-1/2	1				
21	4118314	SPACER-BLADE 16MM	3				
22	64123-187	BLT-HEX 5/8-18 X 3 3/4	3				
23	64123-208	BLT-HEX 5/8-18X1.5	3				
24	2308133	SPRING-EXTENSION	1				
25	38348-01	BEARING-SPINDLE SEALED	6				
26	2721096	HOUSING-SPINDLE 6 HOLE	3				
27	64144-38	SNAP RING	3				
28	38315	NUT-SPINDLE	3				
29	2183070-02	SHAFT-SPINDLE	3				
30	4127999	SEAL	1				
31	4128004	BEARING	2				
32	64144-40	SNAP RING	1				
33	64270-01	BOLT-MET M10-1.5 X 30	1				
34	4128002	END CAP	1				
35	4152578-01	SPACER	1				
36	64262-013	BLT-FLG HD 3/8-16 X 1-1/2	2				
37	64268-05	NUT-FL NY LOCK 1/2-13	2				
38	64018-30	BOLT-CARRIAGE	1				
39	2721512	ROLLER	1				
40	2720685	SPACER-ROLLER	1				

FIGURE 14



Rocket

52" SIDE DISCHARGE

FIGURE 14

ITM	PART NO.	DESCRIPTION	QTY	ITM	PART NO.	DESCRIPTION	QTY
1	4153818	S-52 DECK W/LABELS	1	41	4118427.7	BAFFLE-FRONT LH	1
2	4143552.2	GUARD-LH 52" DECK	1	42	4134338.7	BAFFLE-FRONT CENTER	1
3	4143553.2	GUARD-RH 52" DECK	1	43	4134343.7	BAFFLE-RIGHT FRONT	1
4	4147115	CHUTE-RUBBER ASSY	1	44	4115864.7	BAFFLE-DISCHARGE	1
5	64123-50	BOLT-HEX 3/8-16X1	9	45	64018-3	BOLT-3/8-16X1 CARRIAGE	1
6	64018-11	BOLT-CRG 1/2-13X3LG	2	46	64268-03	NUT-FL NYLON LOCK 3/8-16	10
7	64229-03	LOCKNUT-NYLON 3/8-16	24	47	64018-2	BLT-CRG 1/4-20 X 3/4	4
8	64205-029	BLT-MET M12X1.75X40	8	48	64229-01	LOCKNUT-1/4-20 NYLON	4
9	64246-04	NUT-WHIZ M12-1.75	16	49	64163-84	WASHER	6
10	2188127	CHAIN-6.35 (.250) 5 LINKS	4	50	64163-19	WASHER	A/R
11	4144947	PULLEY-SPINDLE	3	51	38524	KNOB-4 PRONG	2
12	112111-02	BLADE 18.00 OFFST HLFT	3	52	4149017.7	HINGE-CHUTE_RUBBER	1
13	64262-012	BLT-FLG HD 3/8-16 X 1-1/4	18	53	64144-36	E-CLIP	1
14	64209-03	SPRING WASHER.67 ID	6	54	4163514.7	GUIDE-BELT	1
15	64164-12	KEY-1/4X1/4X1 SQ END	3				
16	128169	PULLEY, IDLER 5.50	3				
17	4147896	ARM-DECK IDLER ASSY	1				
	(INCLUDES ITEMS 30-32)						
18	4115850	S-ASSY SPINDLE OUTER	3				
	(INCLUDES ITEMS 25-29)						
19	64006-05	LOCKWSHR-HELICAL 1/2	1				
20	64123-90	BLT-HEX 1/2-20 X 2	1				
21	4118314	SPACER-BLADE 16MM	3				
22	64123-187	BLT-HEX 5/8-18 X 3 3/4	3				
23	64123-208	BLT-HEX 5/8-18X1.5	3				
24	2308133	SPRING-EXTENSION	1				
25	38348-01	BEARING-SPINDLE SEALED	6				
26	2721096	HOUSING-SPINDLE 6 HOLE	3				
27	64144-38	SNAP RING	3				
28	38315	NUT-SPINDLE	3				
29	2183070-02	SHAFT-SPINDLE	3				
30	4127999	SEAL	1				
31	4128004	BEARING	2				
32	64144-40	SNAP RING	1				
33	64270-01	BOLT-MET M10-1.5 X 30	1				
34	4128002	END CAP	1				
35	4152578-01	SPACER	1				
36	64262-013	BLT-FLG HD 3/8-16 X 1-1/2	2				
37	64268-05	NUT-FL NY LOCK 1/2-13	2				
38	64018-30	BOLT-CRG 3/8-16 X 4-1/2	3				
39	2721512	ROLLER	3				
40	2720685	SPACER-ROLLER	3				

FIGURE 15

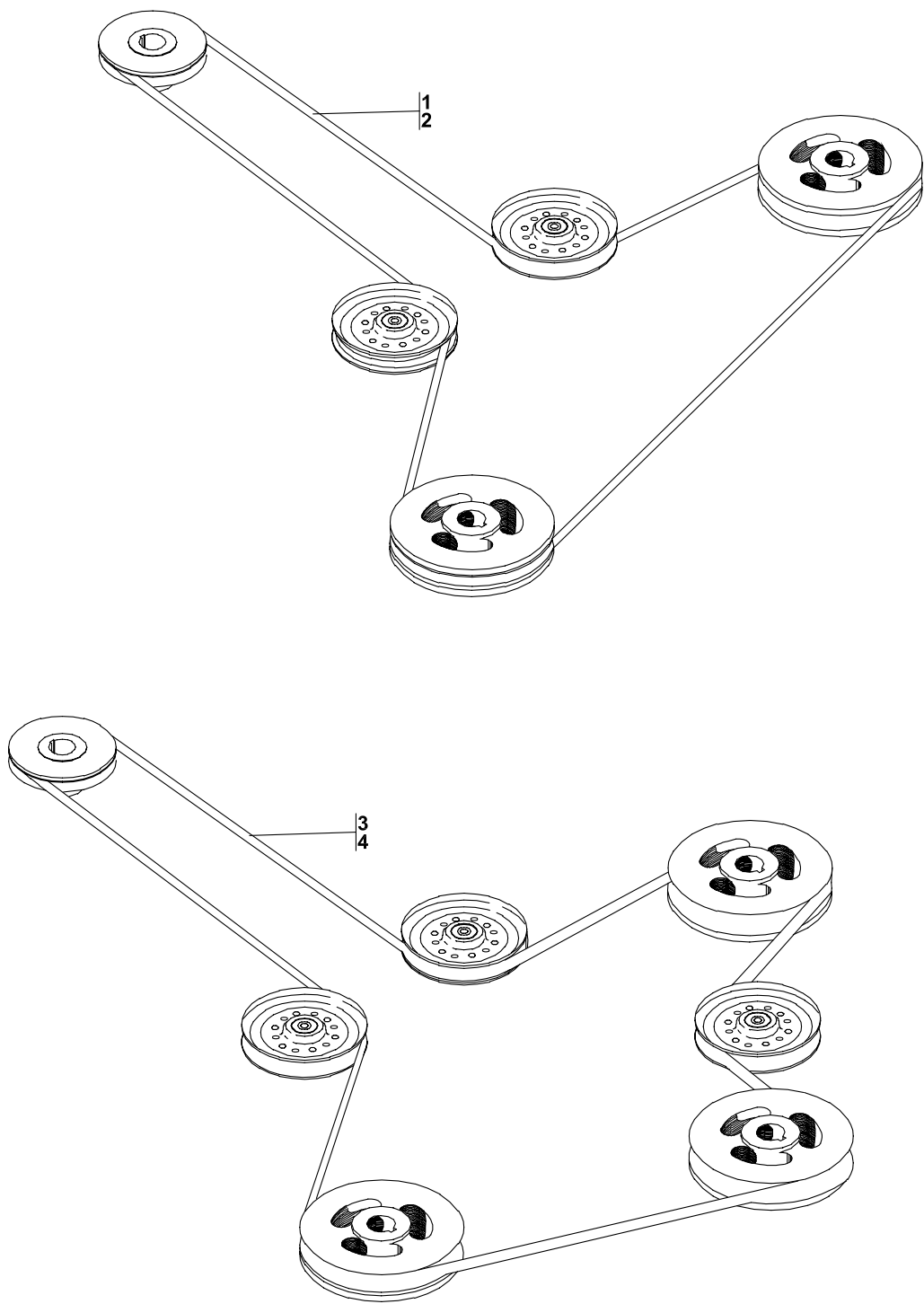
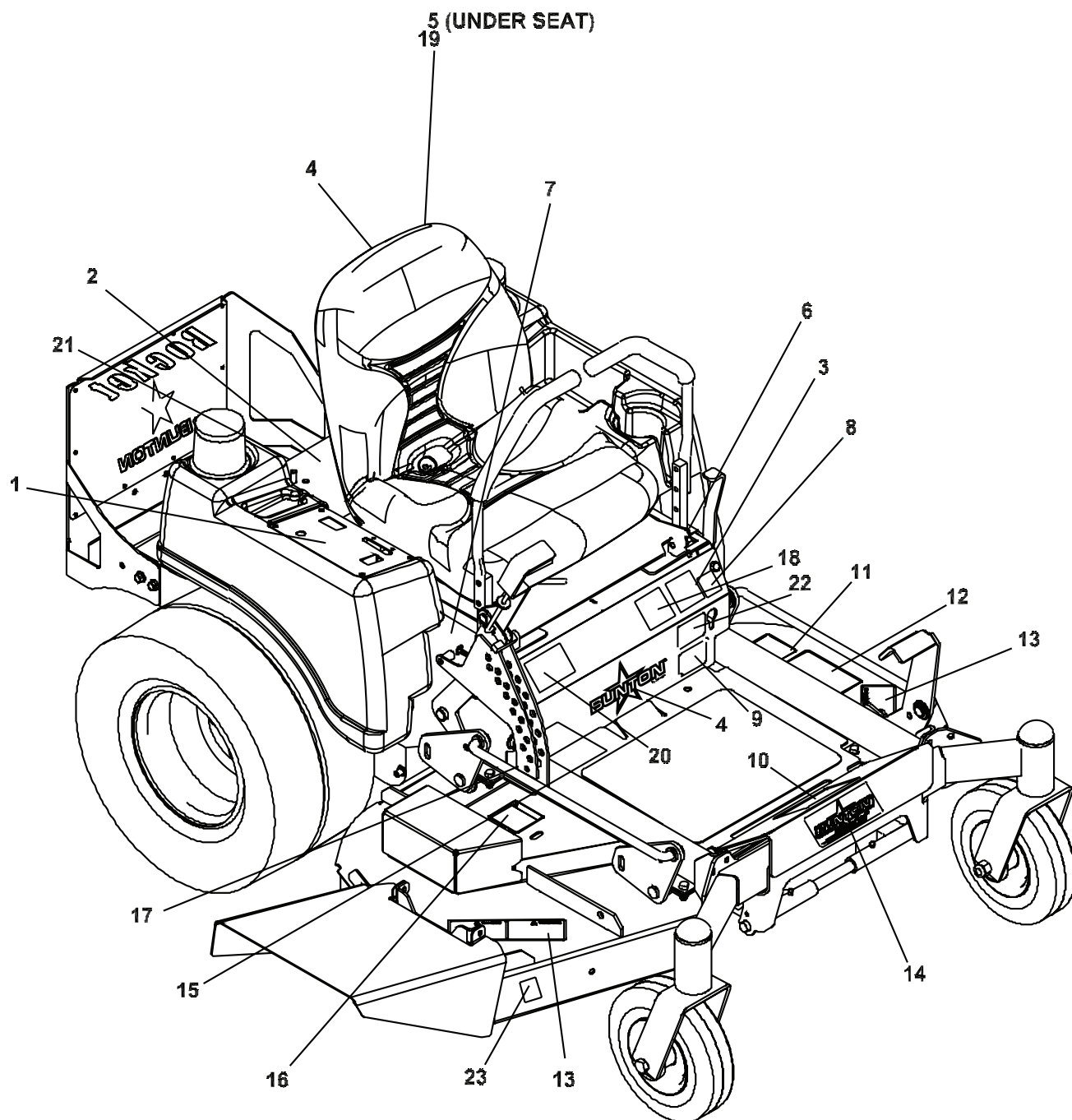


FIGURE 15

ITM	PART NO.	DESCRIPTION	QTY	ITM	PART NO.	DESCRIPTION	QTY
1	4144212	BELT-36" CUTTERDECK	1				
2	4147716	BELT-42" CUTTERDECK	1				
3	4147095	BELT-48" CUTTERDECK	1				
4	4143733	BELT-52" CUTTERDECK	1				

FIGURE 16



Rocket

DECALS-POWERUNIT

FIGURE 16

ITM	PART NO.	DESCRIPTION	QTY	ITM	PART NO.	DESCRIPTION	QTY
1	4144768	LABEL-CONTROL PANEL	1				
2	2000570	LABEL-WARN FUEL PICT.	1				
3	340830	LABEL-CAUTION	1				
4	4158441	LABEL-BUNTON	2				
5	2000590	LABEL-WARN BATTERY	1				
6	2000701	LABEL-LH TRACTION	1				
7	2000700	LABEL-RH TRACTION	1				
8	4126804	LABEL-PARKING BRAKE	1				
9	4126802	LABEL-TIRE PRESSURE	1				
10	4118843	LABEL-WARNING	1				
11	2000696	LABEL - BLADE INSTALL	1				
12	2000572	LABEL-WARNING BLADES	1				
13	2000677	LABEL-DANGER/WARNING	2				
14	4162966	LABEL-ROCKET	1				
15	2720743	LABEL-ZT200 HOC INNER	1				
16	2000577	LABEL, WARNING	3				
17	4126611	LABEL-H.O.C. OUTER	1				
18	4146936	LABEL-MANUAL LOCATION	1				
19	4133980	LABEL-MAINTENANCE	2				
20	4116761	LABEL-MADE IN USA	1				
21	4147617	LABEL-FUEL TANK VALVE	1				
22	4162920	LABEL-RATING, 21HP	1				
	4162919	LABEL-RATING, 19HP	1				
	4162918	LABEL RATING, 17HP					
23	4162915	LABEL-DECK SIZE 52"	1				
	4162914	LABEL-DECK SIZE 48"					
	4162913	LABEL-DECK SIZE 42"					
	4162912	LABEL-DECK SIZE 36"					

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