

KEES™

COMMERCIAL MOWERS

PARTS MANUAL FOR:



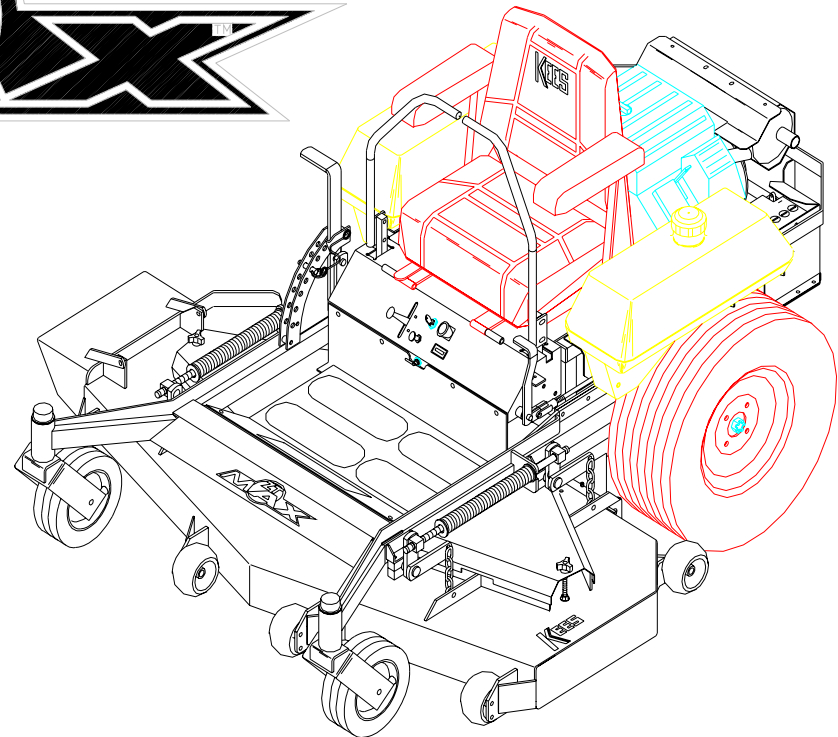
MODELS:

ZKH52220

ZKH52250

ZKH61220

ZKH61250



F.D. KEES MFG. CO. 700-800 PARK AVENUE BEATRICE, NEBRASKA, U.S.A. 68310

MODEL NUMBER _____

SERIAL NUMBER _____

DATE PURCHASED _____

DEALER ADDRESS _____

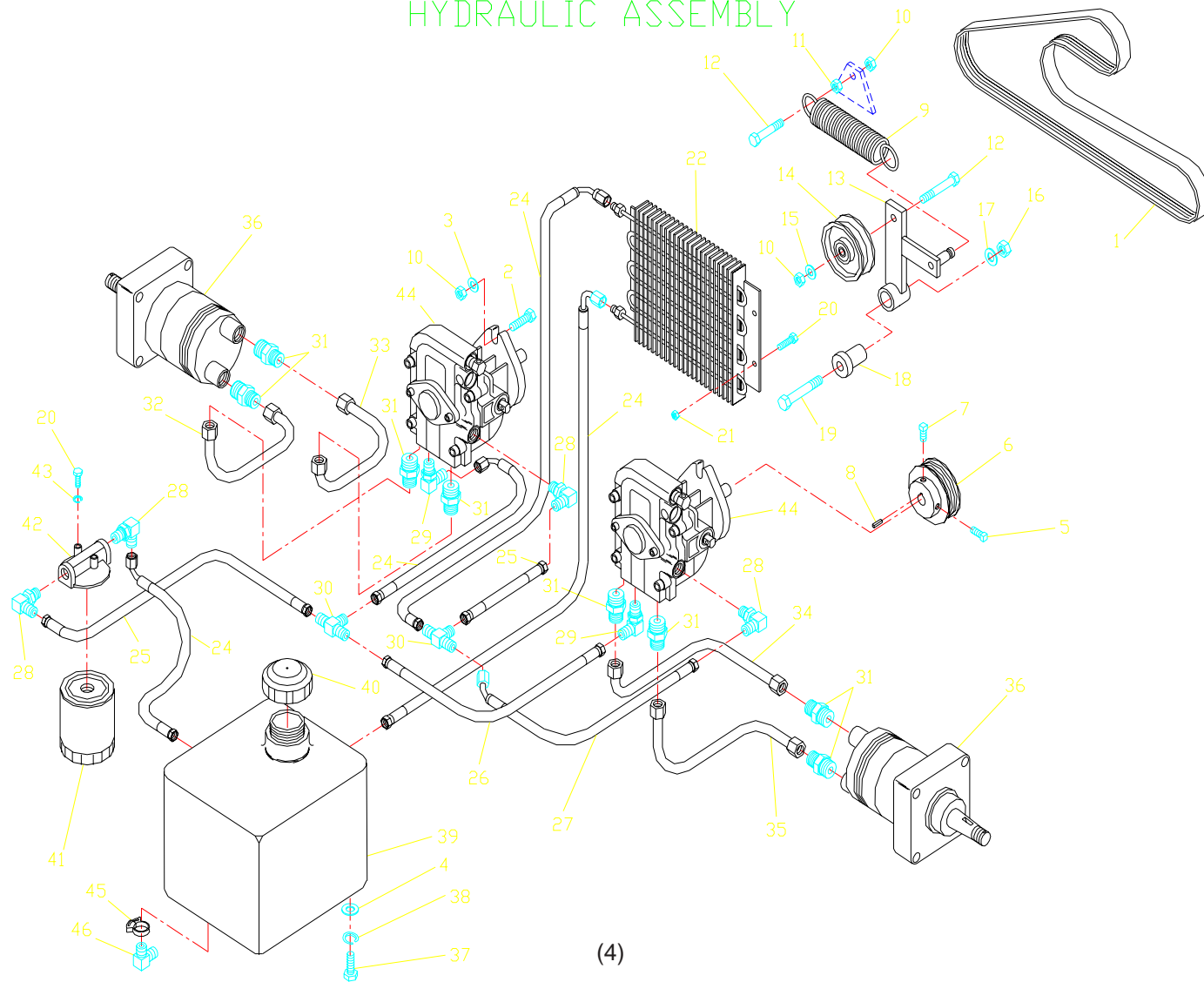
NOTES: _____

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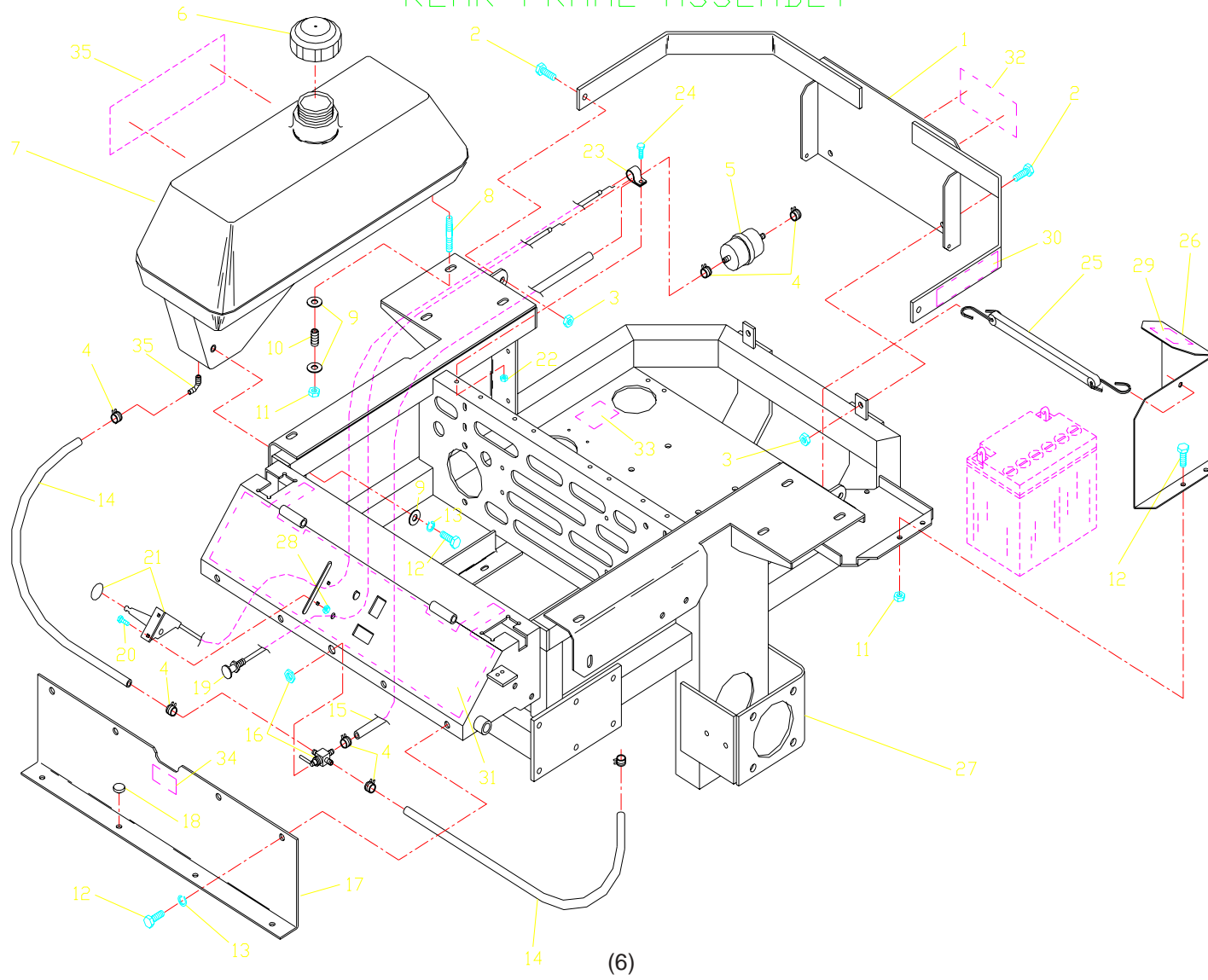
HYDRAULIC ASSEMBLY



ITEM	PART NO.	QTY.	DESCRIPTION
1.	102550	1	PUMP DRIVE BELT
2.	976941	4	3/8C X 1 1/4 HEX CAP SCREW
3.	990517	4	3/8 FLAT WASHER
4.	990692	4	5/16 FLAT WASHER
5.	102716	2	5/16C X 1 SQ HEAD SET SCREW
6.	102552	2	PUMP PULLEY
7.	102749	2	5/16C X 3/4 SQ HEAD SET SCREW
8.	101177	2	KEY, 5MM SQ X 25MM
9.	102666	1	SPRING
10.	990546	4	3/8C CENTERLOCK NUT
11.	990613	1	3/8C WIZ NUT
12.	990730	2	3/8C X 1 3/4 HEX CAP SCREW
13.	102662	1	IDLER ARM
14.	919078	1	IDLER PULLEY
15.	990122	1	3/8 SAE FLAT WASHER
16.	101331	1	1/2C NYLOC NUT
17.	990550	1	1/2 FLAT WASHER
18.	101231	1	IDLER BUSHING
19.	101332	1	1/2C X 2 3/4 HEX CAP SCREW
20.	990072	6	1/4C X 5/8 HEX CAP SCREW
21.	990761	4	1/4C CENTERLOCK NUT
22.	101163	1	COOLER

ITEM	PART NO.	QTY.	DESCRIPTION
24.	101244	4	3/8 HYDRAULIC HOSE 15 1/2" 90
25.	102879	2	3/8 HYDRAULIC HOSE 7 1/4"
26.	102878	1	3/8 HYDRAULIC HOSE 15"
27.	102880	1	3/8 HYDRAULIC HOSE 23 1/2" 45
28.	101238	4	90 ELBOW
29.	101234	2	90 ELBOW
30.	102869	2	3/8 TEE FITTING
31.	101237	8	STRAIGHT FITTING
32.	102496	1	1/2 HYDRAULIC TUBE
33.	102497	1	1/2 HYDRAULIC TUBE
34.	102498	1	1/2 HYDRAULIC TUBE
35.	102499	1	1/2 HYDRAULIC TUBE
36.	102705	2	WHEEL MOTOR
37.	990209	4	5/16C X 1 HEX CAP SCREW
38.	990187	4	5/16 LOCK WASHER
39.	102870	1	HYDRAULIC TANK W/FITTINGS
40.	101202	1	HYDRAULIC TANK CAP
41.	102606	1	HYDRAULIC OIL FILTER
42.	101165	1	FILTER HEAD
43.	990052	2	1/4 LOCK WASHER
44.	101111	2	HYDRAULIC PUMP
45.	102877	2	CLAMP
46.	102881	2	90 DEG. FITTING

REAR FRAME ASSEMBLY

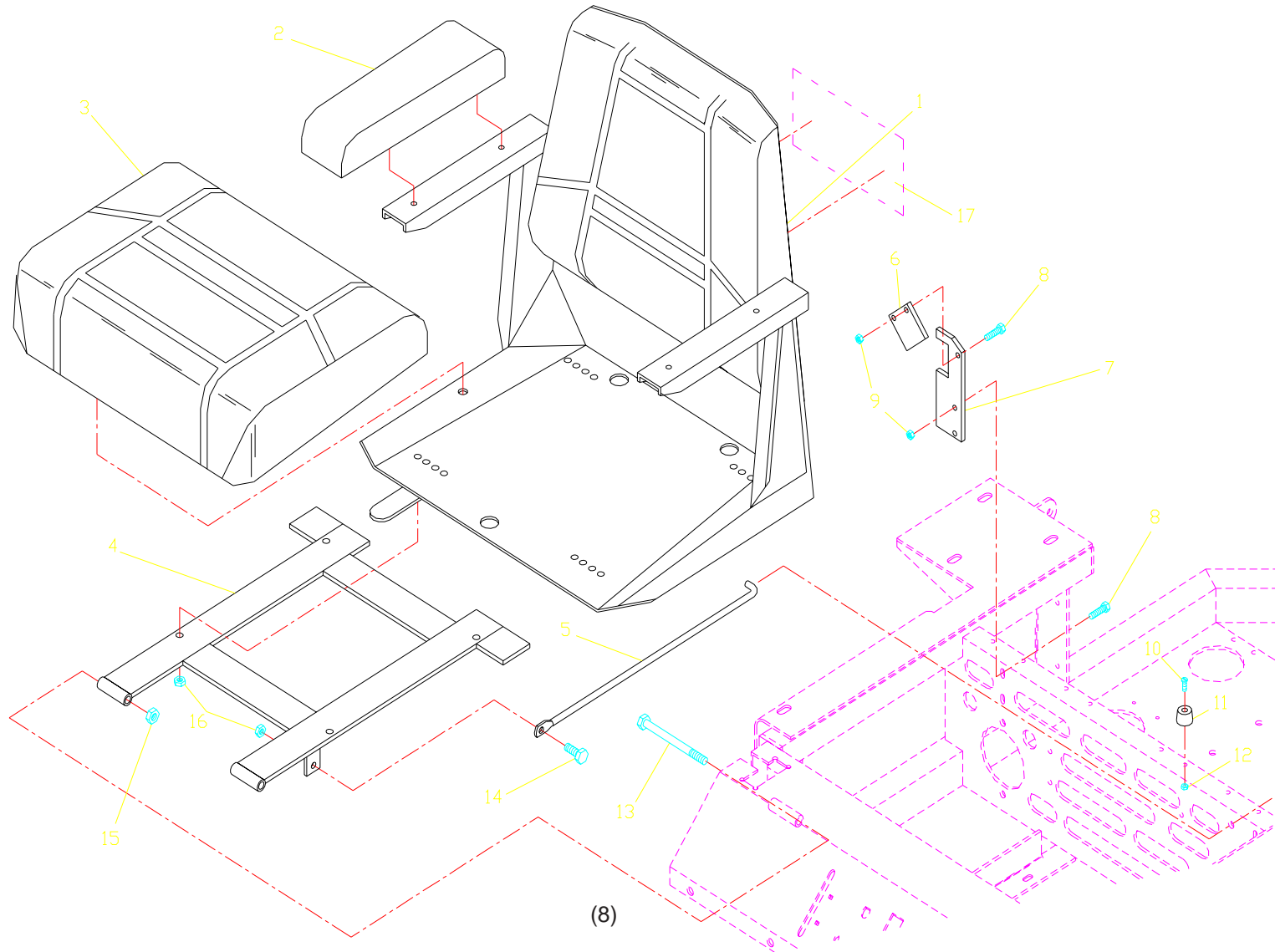


ITEM	PART NO.	QTY.	DESCRIPTION
1.	102520	1	REAR ENGINE GUARD W / DECAL
2.	990563	4	3/8C X 1 HEX CAP SCREW
3.	990546	4	3/8C CENTERLOCK NUT
4.	912222	7	HOSE CLAMP
5.	2405002	1	FUEL FILTER (KOHLER PART NO.)
6.	914363	2	FUEL CAP
7.	102741	2	FUEL TANK
8.	102502	8	5/16C STUD
9.	990692	18	5/16 FLAT WASHER
10.	102845	8	SPRING
11.	990184	10	5/16C CENTERLOCK NUT
12.	990206	8	5/16C X 3/4 HEX CAP SCREW
13.	990187	6	5/16 LOCK WASHER
14.	102680	2	FUEL LINE, TANK
15.	102681	1	FUEL LINE, ENGINE
16.	102679	1	FUEL VALVE
17.	102588	1	KICK PLATE
18.	102587	4	BUMPER

ITEM	PART NO.	QTY.	DESCRIPTION
19.	102733	1	CHOKE CONTROL, COMPLETE
20.	990411	2	#10-24 X 1/2 HEX CAP SCREW
21.	102732	1	THROTTLE CONTROL W / KNOB
22.	990761	1	1/4C CENTERLOCK NUT
23.	102685	1	LOOM CLIP
24.	990580	1	1/4C X 3/4 HEX CAP SCREW
25.	102501	1	BATTERY STRAP
26.	102512	1	BATTERY GUARD W / DECAL
27.	102525	1	REAR FRAME W / DECAL
28.	976977	2	#10 - 24 NYLOC NUT
29.	101881	1	DECAL, WARNING
30.	102669	1	DECAL, BATTERY
31.	102668	1	DECAL, CONSOLE
32.	100106	1	DECAL, KEES
33.	100128	1	DECAL, EXHAUST
34.	102670	1	DECAL, FUEL VALVE
35.	102650	2	90 DEG. HOSE BARB
36.	102506	2	ZTMAX DECAL

REAR FRAME ASSEMBLY

SEAT ASSEMBLY

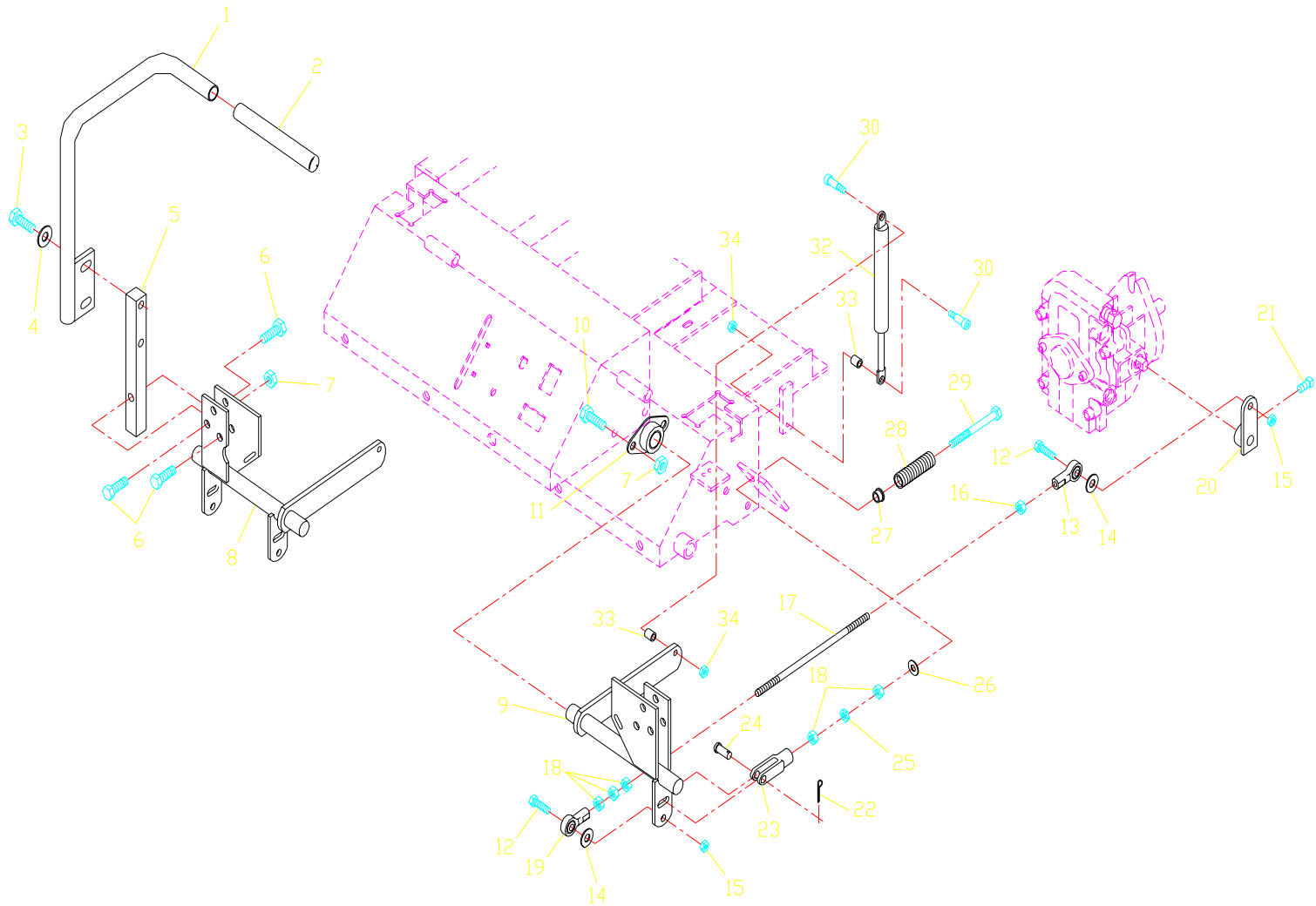


ITEM	PART NO.	QTY.	DESCRIPTION
1.	102740	1	SEAT, COMPLETE
2.	102844	2	ARM REST CUSHION
3.	102539	1	SEAT CUSHION W / SWITCH
4.	102583	1	SEAT MOUNT FRAME
5.	102584	1	SEAT STOP ROD
6.	102917	2	SEAT LATCH
7.	102918	2	SEAT LATCH MOUNT
8.	990580	6	1/4C X 3/4 HEX CAP SCREW
9.	990761	6	1/4C CENTERLOCK NUT

ITEM	PART NO.	QTY.	DESCRIPTION
10.	102617	2	#10-24 X 1/2 SLOTTED SCREW
11.	102794	2	SEAT BUMPER
12.	976977	2	#10-24 NYLOC NUT
13.	101517	2	3/8C X 5 HEX CAP SCREW
14.	990209	1	5/16C X 1 HEX CAP SCREW
15.	990546	2	3/8C CENTERLOCK NUT
16.	990184	5	5/16C CENTERLOCK NUT
17.	102492	1	DECAL, ZT MAX

SEAT ASSEMBLY

MOTION CONTROL ASSEMBLY



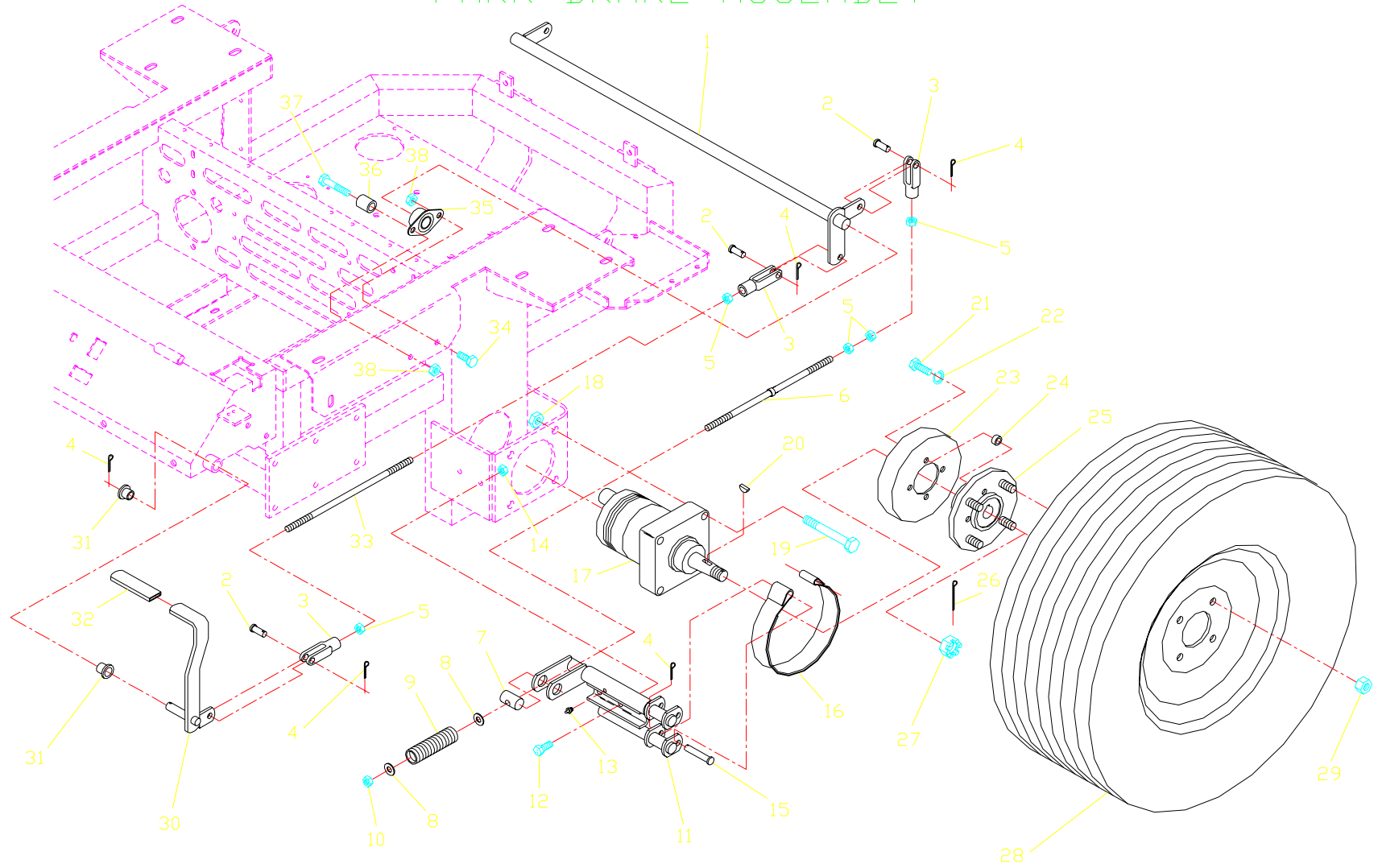
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ITEM	PART NO.	QTY.	DESCRIPTION
1.	102586	1	MOTION CONTROL HANDLE, RIGHT
	102585	1	MOTION CONTROL HANDLE, LEFT (NOT SHOWN)
2.	102592	2	GRIP
3.	990563	4	3/8C X 1 HEX CAP SCREW
4.	102593	4	3/8 DISC SPRING WASHER
5.	102809	2	CONTROL ARM
6.	990730	6	3/8C X 1 3/4 HEX CAP SCREW
7.	990546	14	3/8C CENTERLOCK NUT
8.	102815	1	BRACKET, RIGHT
9.	102816	1	BRACKET, LEFT
10.	990134	8	3/8C X 3/4 HEX CAP SCREW
11.	102797	4	FLANGE BEARING
12.	990627	4	5/16C X 1 1/4 HEX CAP SCREW
13.	102591	2	BALL JOINT, LEFTHAND THREAD
14.	990692	4	5/16 FLAT WASHER
15.	990184	4	5/16C CENTERLOCK NUT
16.	991073	2	5/16F JAM NUT, LEFTHAND THREAD
17.	102589	2	PUMP CONTROL LINK

ITEM	PART NO.	QTY.	DESCRIPTION
18.	990223	10	5/16F HEX NUT
19.	102590	2	BALL JOINT, RIGHT-HAND THREAD
20.	102825	2	PUMP CONTROL ARM
21.	102717	2	5/16C X 5/8 SQ HEAD SET SCREW
22.	990555	2	3/32 X 1/2 COTTER PIN
23.	976481	2	5/16F YOKE
24.	977793	2	5/16 X 1 CLEVIS PIN
25.	100561	2	5/16F HEX JAM NUT
26.	990598	2	1/4 FLAT WASHER
27.	101535	2	NYLON BUSHING
28.	102796	2	NEUTRAL DETENT SPRING
29.	102795	2	SHOULDER SCREW, NEUTRAL RETURN
30.	102828	4	5/16 X 5/8 SHOULDER SCREW
32.	102720	2	DAMPENER
33.	102827	4	SPACER
34.	990761	4	1/4C CENTERLOCK NUT

MOTION CONTROL ASSEMBLY

PARK BRAKE ASSEMBLY

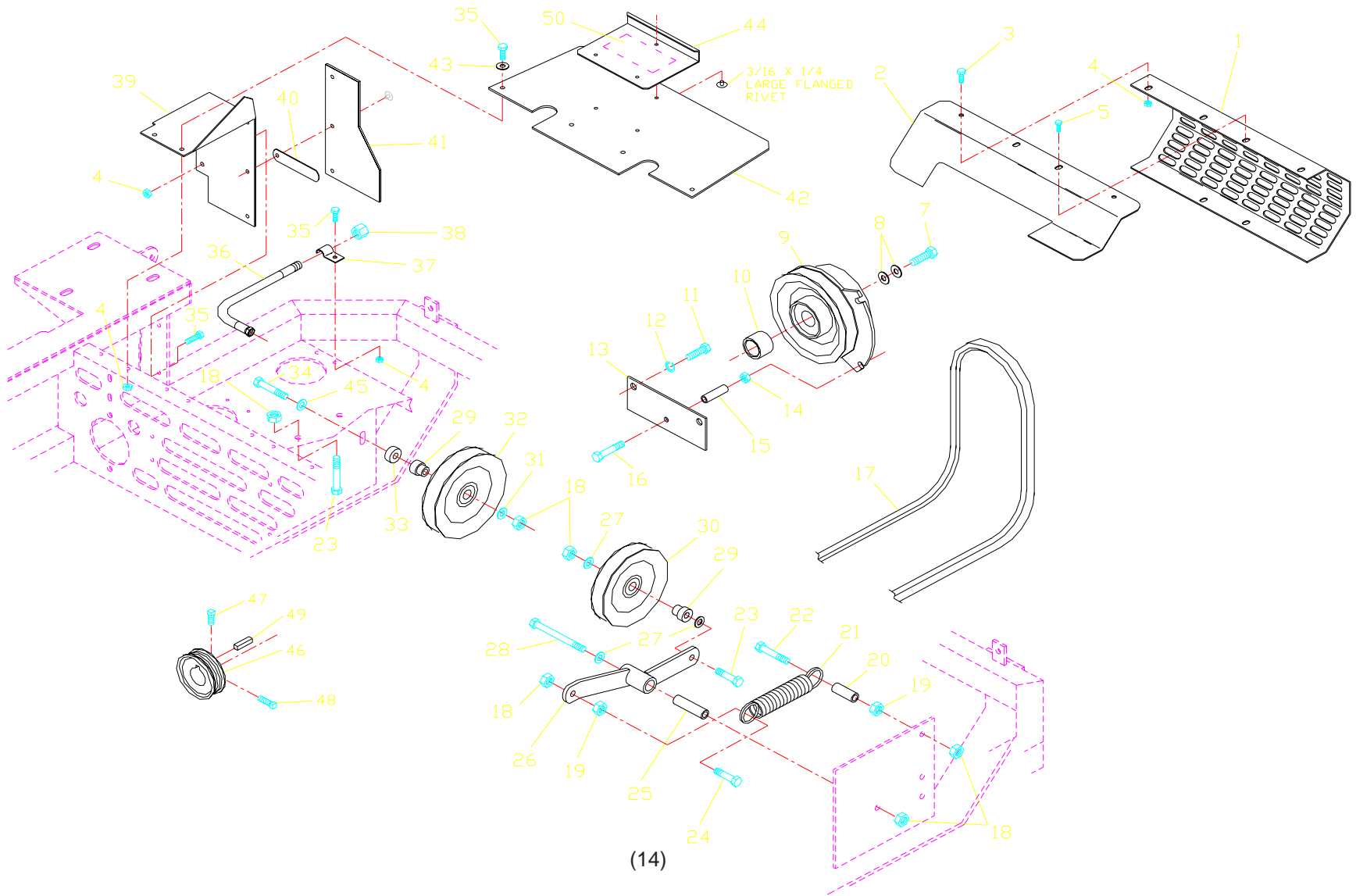


ITEM	PART NO.	QTY.	DESCRIPTION
1.	102799	1	BRAKE SHAFT
2.	977703	4	3/8 X 1 1/8 CLEVIS PIN
3.	977465	2	3/8C YOKE
4.	990365	9	1/8 X 3/4 COTTER PIN
5.	990155	8	3/8F HEX NUT
6.	102818	2	BRAKE ROD
7.	102821	2	TRUNION PIN
8.	990517	4	3/8 FLAT WASHER
9.	102817	2	SPRING
10.	990289	2	3/8F CENTERLOCK NUT
11.	102774	1	BRAKE BRACKET, LEFT
	102765	1	BRAKE BRACKET, RIGHT (NOT SHOWN)
12.	990209	4	5/16C X 1 HEX CAP SCREW
13.	976998	2	1/4 - 28 ZERK
14.	990184	4	5/16C CENTERLOCK NUT
15.	102746	4	3/8 X 2 CLEVIS PIN
16.	102822	2	BRAKE BAND
17.	102705	2	WHEEL MOTOR
18.	101331	8	1/2C NYLOC NUT
19.	101332	8	1/2C X 2 3/4 HEX CAP SCREW
20.	101465	2	KEY, #808 WOODRUFF

ITEM	PART NO.	QTY.	DESCRIPTION
21.	990563	8	3/8C X 1 HEX CAP SCREW
22.	990118	8	3/8 LOCK WASHER
23.	101946	2	BRAKE DRUM
24.	102490	8	HUB STANDOFF
25.	102826	2	HUB
26.	990297	2	COTTER PIN
27.	101468	2	HEX SLOTTED NUT
28.	102735	2	WHEEL ASSEMBLY
	102737	1	RIM
	912234	1	VALVE STEM
	102736	1	TIRE
29.	101173	8	1/2F LUG NUT
30.	102804	1	BRAKE LEVER
31.	102519	2	BUSHING
32.	976526	1	GRIP
33.	102913	1	BRAKE ROD, LONG
34.	990134	3	3/8C X 3/4 HEX CAP SCREW
35.	102797	2	FLANGE BEARING
36.	101836	1	BRAKE STOP
37.	990588	1	3/8C X 2 HEX CAP SCREW
38.	990546	4	3/8C CENTERLOCK NUT

PARK BRAKE ASSEMBLY

ENGINE DECK ASSEMBLY

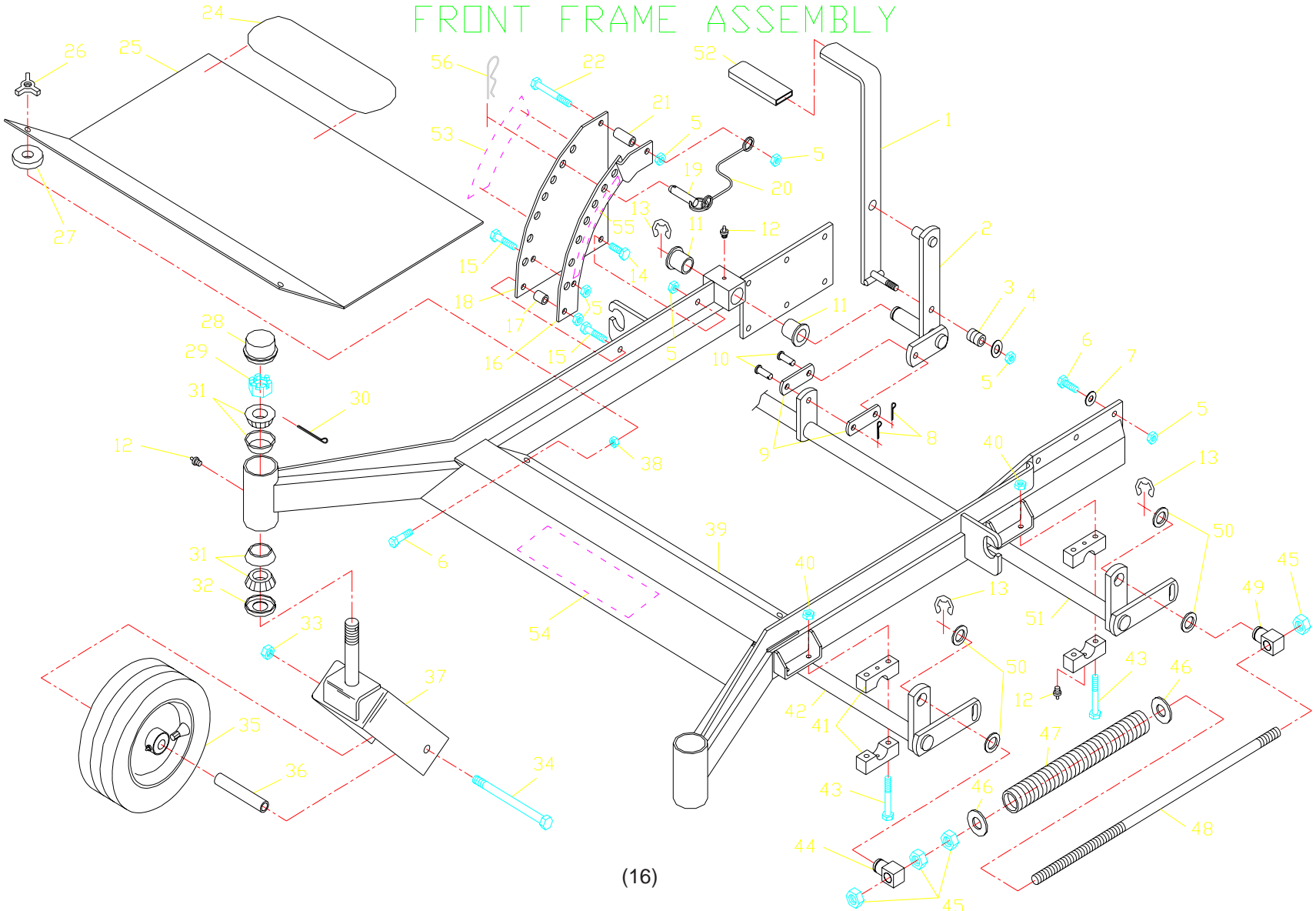


ITEM	PART NO.	QTY.	DESCRIPTION
1.	102830	1	MUFFLER SHIELD
2.	102491	1	HEAT DEFLECTOR
3.	990072	2	1/4C X 5/8 HEX CAP SCREW
4.	990761	13	1/4C CENTERLOCK NUT
5.	991101	4	M6 X 1MM X 10MM HEX CAP SCREW
7.	991120	1	7/16C X 2 1/2 HEX CAP SCREW
8.	102843	2	7/16 DISC SPRING WASHER
9.	102603	1	CLUTCH / BRAKE
10.	102839	1	SPACER
11.	100143	2	7/16C X 1 HEX CAP SCREW
12.	990247	2	7/16 LOCK WASHER
13.	102699	1	CLUTCH STOP PLATE
14.	990184	1	5/16C CENTERLOCK NUT
15.	100097	1	SPACER
16.	976969	1	5/16C X 3 1/4 HEX TAP BOLT
17.	102548	1	MULE DRIVE BELT
18.	990546	9	3/8C CENTERLOCK NUT
19.	990613	2	3/8C WHIZ NUT
20.	102860	1	SPACER
21.	102655	1	SPRING
22.	990637	1	3/8C X 2 1/2 HEX CAP SCREW
23.	990730	5	3/8C X 1 3/4 HEX CAP SCREW
24.	990629	1	3/8C X 2 1/4 HEX CAP SCREW
25.	101841	1	BUSHING
26.	102649	1	ARM WELDMENT

ITEM	PART NO.	QTY.	DESCRIPTION
27.	990517	3	3/8 FLAT WASHER
28.	101341	1	3/8C X 3 HEX CAP SCREW
29.	102651	2	SHOULDER BUSHING
30.	102652	1	IDLER PULLEY
31.	990122	1	3/8 SAE FLAT WASHER
32.	102657	1	IDLER PULLEY
33.	102656	1	SPACER
34.	102612	1	3/8C X 2 3/4 HEX CAP SCREW
35.	990580	11	1/4C X 3/4 HEX CAP SCREW
36.	101362	1	OIL DRAIN HOSE
37.	101363	1	CLAMP
38.	101364	1	DRAIN CAP
39.	102751	1	ENGINE BAFFLE, LEFT
	102752	1	ENGINE BAFFLE, RIGHT (NOT SHOWN)
40.	102753	2	SHIELD CLIP
41.	102750	2	HEAT SHIELD
42.	102841	1	ENGINE SHIELD W / DECAL
43.	990598	4	1/4 FLAT WASHER
44.	102529	1	LIFT SHIELD
45.	102593	1	3/8 DISC SPRING WASHER
46.	102719	1	ENGINE PULLEY
47.	102717	1	5/16C X 5/8 SQ HEAD SETSCREW
48.	102749	1	5/16C X 3/4 SQ HEAD SETSCREW
49.	912757	1	KEY, 1/4 SQ X 1 1/4
50.	100361	1	DECAL, DANGER

ENGINE DECK ASSEMBLY

FRONT FRAME ASSEMBLY



ITEM PART NO. QTY. DESCRIPTION

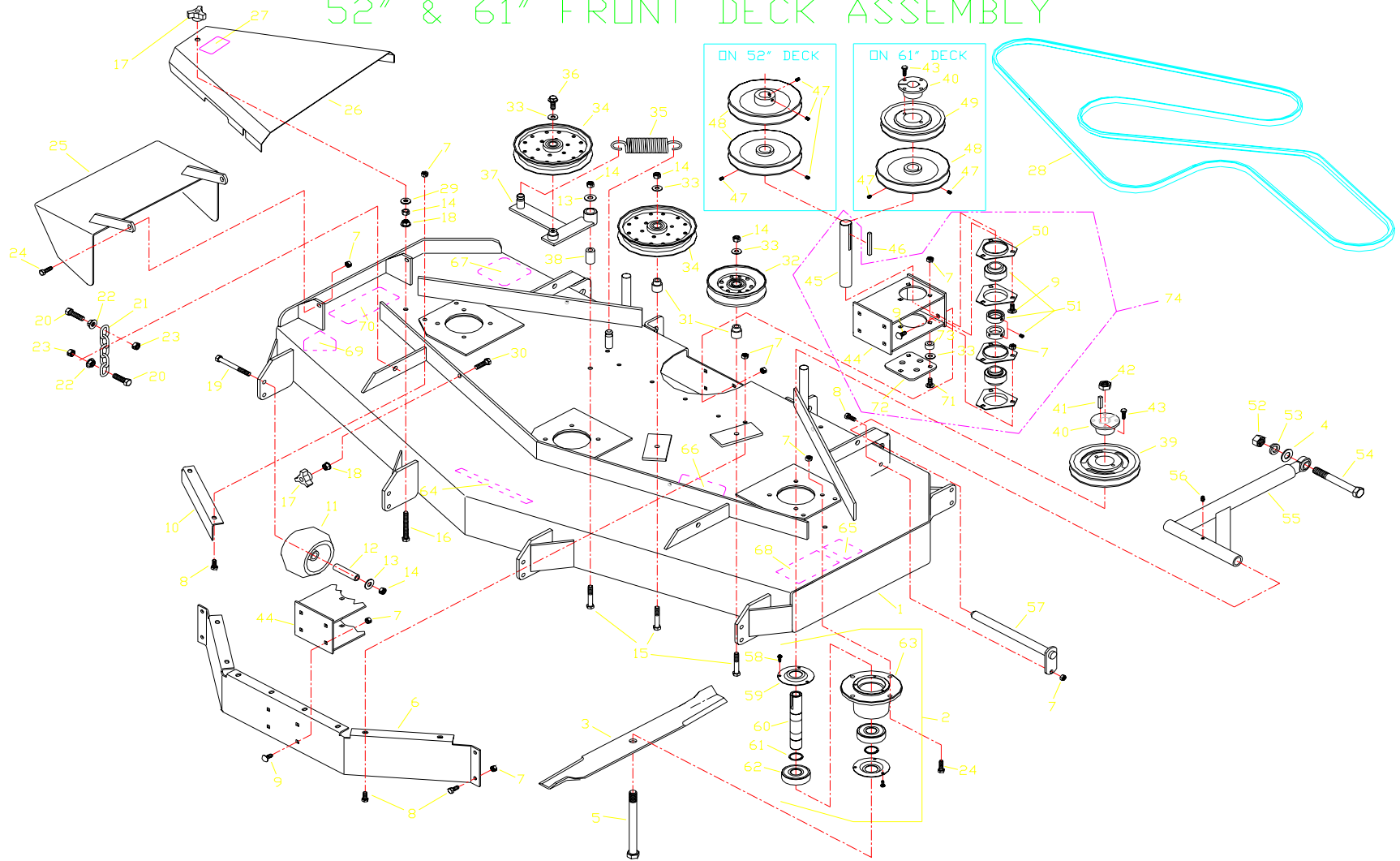
1.	102514	1	LIFT LEVER
2.	102516	1	DECK LIFT ARM
3.	976438	1	SPRING
4.	990517	1	3/8 FLAT WASHER
5.	990546	18	3/8C CENTERLOCK NUT
6.	990143	14	3/8C X 1 1/4 HEX CAP SCREW
7.	102593	12	3/8 DISC SPRING WASHER
8.	990365	2	1/8 X 3/4 COTTER PIN
9.	102565	2	LIFT ARM
10.	977703	2	3/8 X 1 1/8 CLEVIS PIN
11.	101232	2	FLANGED BEARING
12.	101474	7	ZERK
13.	101802	5	7/8 'E' RING
14.	990134	1	3/8C X 3/4 HEX CAP SCREW
15.	990730	2	3/8C X 1 3/4 HEX CAP SCREW
16.	102522	1	DECK LIFT PLATE WELDMENT
17.	102524	1	BUSHING
18.	102521	1	DECKLIFT PLATE
19.	102526	1	HITCH PIN
20.	102563	1	LANYARD
21.	102523	1	BUSHING
22.	102612	1	3/8C X 2 3/4 HEX CAP SCREW
24.	977778	5	ANTI-SKID PAD
25.	102557	1	FOOT PLATE
26.	102070	2	3/8C KNOB
27.	102867	2	RUBBER WASHER
28.	102535	2	GREASE CAP
29.	102852	2	1" C HEX SLOTTED NUT
30.	102889	2	1/8 X 2 COTTER PIN

ITEM PART NO. QTY. DESCRIPTION

31.	102626	4	BEARING W/CUP
32.	102851	2	SEAL
33.	101331	2	1/2C NYLOC NUT
34.	102855	2	1/2C X 7 1/2 HEX CAP SCREW
35.	102545	2	TIRE ASSEMBLY COMPLETE
	102547	1	RIM
	102546	1	TIRE
	102485	2	ROLLER BEARING
	976997	1	ZERK
	102484	2	FLANGED BEARING
	912234	1	AIR VALVE
36.	102856	2	CASTER SPACER
37.	102538	2	CASTER YOKE
38.	990613	2	3/8C WHIZ NUT
39.	102511	1	FRONT FRAME WELDMENT
40.	990184	8	5/16C CENTERLOCK NUT
41.	101526	8	LIFT BLOCK
42.	102864	1	FRONT LIFT ROD
43.	991046	8	5/16C X 2 1/2 HEX CAP SCREW
44.	102532	2	DECK MOUNT SWIVEL
45.	990566	8	5/8C HEX NUT
46.	102653	4	5/8 FLAT WASHER
47.	102534	2	DECK SUPPORT SPRING
48.	102531	2	DECK LIFT ROD
49.	102533	2	DECK MOUNT SWIVEL, THREADED
50.	923787	8	MACHINERY BUSHING
51.	102863	1	LIFT ROD
52.	102515	1	LIFT LEVER GRIP
53.	102667	1	DECAL, DECK HEIGHT
54.	102506	1	DECAL, ZT MAX
55.	102671	1	DECAL, HEIGHT
56.	976989	1	#4 HAIR PIN

FRONT FRAME ASSEMBLY

52" & 61" FRONT DECK ASSEMBLY

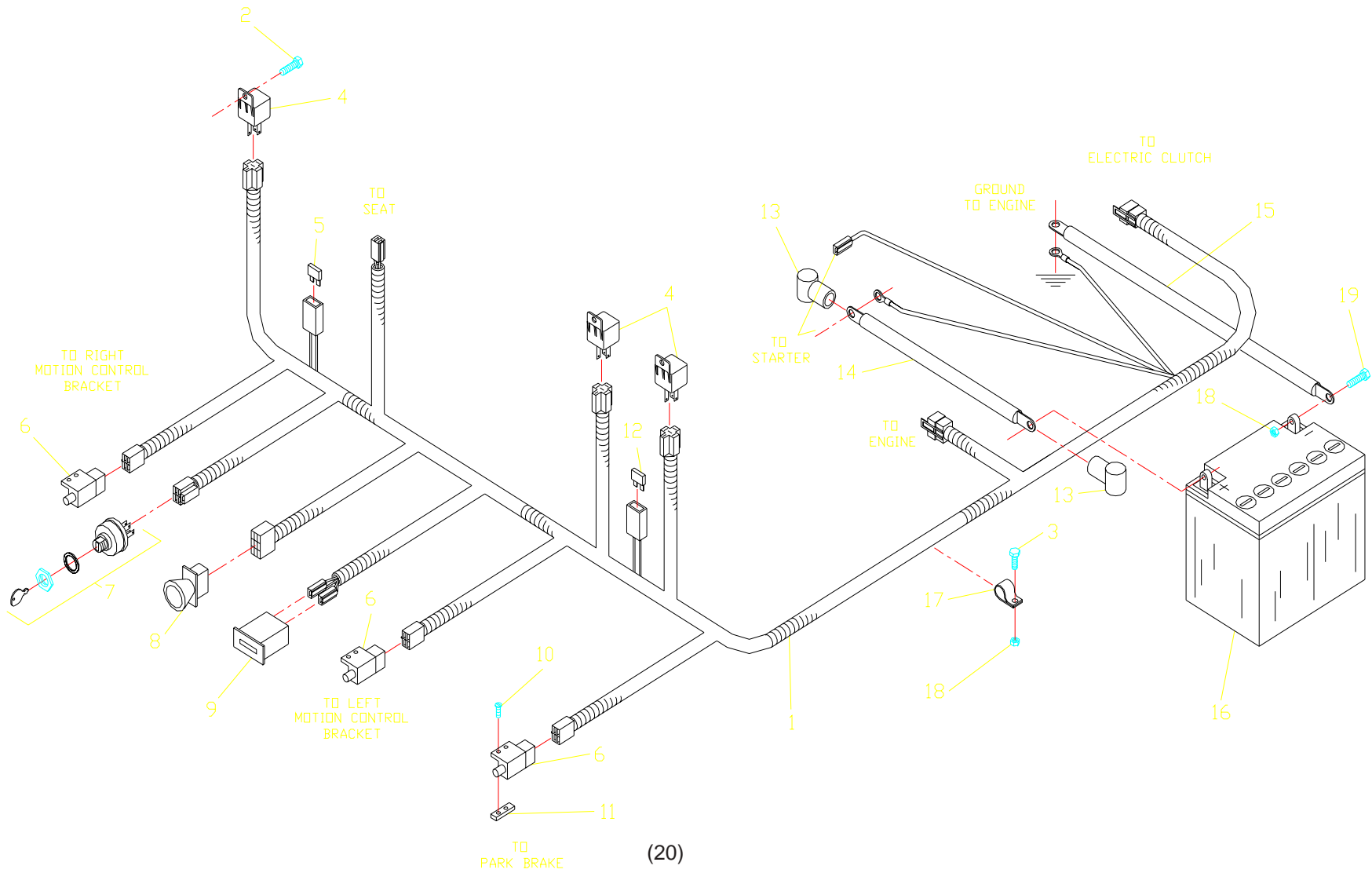


ITEM	PART NO.	QTY.	DESCRIPTION
1.	102738	1	61" FRONT DECK W / DECALS
	102906	1	52" FRONT DECK W / DECALS
2.	102700	3	CUTTER HOUSING ASSEMBLY
3.	101733	3	21" BLADE (61" DECK)
	100341	3	18" BLADE (52" DECK)
5.	102702	3	5/8F X 7 HEX CAP SCREW
6.	102707	1	BAFFLE (61" DECK)
	102904	1	BAFFLE (52" DECK)
7.	990184	44	5/16C CENTERLOCK NUT
8.	976934	16	5/16C X 3/4 HEX CAP SCREW
9.	990316	11	5/16C X 3/4 CARRIAGE BOLT
10.	101755	1	DEFLECTOR (61" DECK)
	102894	1	DEFLECTOR (52" DECK)
11.	102643	6	ANTI-SCALP ROLLER
12.	102698	6	BUSHING
13.	990517	7	3/8 FLAT WASHER
14.	990546	11	3/8C CENTERLOCK NUT
15.	990629	3	3/8C X 2 1/4 HEX CAP SCREW
16.	991131	2	3/8C X 4 TAP BOLT
17.	102070	6	3/8C KNOB
18.	990613	6	3/8C WHIZ NUT
19.	102754	6	3/8C X 3 1/2 GRADE 8 HEX CAP SCREW
20.	101175	8	7/16C X 1 1/2 HEX CAP SCREW
21.	102641	4	LIFT CHAIN
22.	102582	8	7/16C WHIZ NUT
23.	990839	8	7/16C CENTERLOCK NUT
24.	990209	14	5/16C X 1 HEX CAP SCREW
25.	102645	1	DISCHARGE CHUTE
26.	102551	2	BELT SHIELD (61" DECK)
	102902	2	BELT SHIELD (52" DECK)
27.	102892	2	DECAL, NO STEP
28.	102549	1	BLADE BELT (61" DECK)
	102903	1	BLADE BELT (52" DECK)
29.	102056	2	3/8 SEALING WASHER
30.	976941	4	3/8C X 1 1/4 HEX CAP SCREW
31.	102727	2	IDLER BUSHING
32.	102652	1	IDLER PULLEY
33.	990692	6	5/16 FLAT WASHER
34.	102610	2	IDLER PULLEY
35.	102642	1	IDLER SPRING
36.	990582	1	3/8C X 1 HEX FLANGE CAP SCREW
37.	102607	1	IDLER ARM

ITEM	PART NO.	QTY.	DESCRIPTION
38.	101836	1	SLEEVE BUSHING
39.	101735	3	PULLEY (61" DECK)
	101143	3	PULLEY (52" DECK)
40.	923381	3	HUB
41.	912757	3	KEY, 1/4 SQ X 1 1/4
42.	976980	3	5/8F HEX NUT
43.	990580	6	1/4C X 3/4 HEX CAP SCREW
44.	102690	1	JACKSHAFT MOUNT
45.	102711	1	SHAFT
46.	917033	1	KEY, 1/4 SQ X 2 1/2
47.	976956	2	5/16C SETSCREW (61" DECK)
	976956	4	5/16C SETSCREW (52" DECK)
48.	102713	1	PULLEY (61" DECK)
	102713	2	PULLEY (52" DECK)
49.	101143	1	PULLEY (61" DECK)
50.	102691	4	FLANGETTE
51.	102712	2	BEARING W / LOCK COLLAR & SETSCREW
52.	990566	2	5/8C HEX NUT
53.	990333	2	5/8 LOCK WASHER
54.	102729	2	5/8C X 5 HEX CAP SCREW
55.	102631	1	STRUT, LEFT
	102630	1	STRUT, RIGHT (NOT SHOWN)
56.	976998	2	1/4 - 28 ZERK
57.	102619	2	PIVOT PIN
58.	991034	6	10 - 24 X 1/2 HEX WASHER HEAD SCREW
59.	919096	2	HOUSING CAP
60.	102701	1	SPINDLE
61.	101470	2	RETAINING RING
62.	976510	2	BEARING
63.	101441	1	CUTTER HOUSING
64.	102063	1	DECAL, COMMERCIAL
65.	101751	1	DECAL, 61
	101099	1	DECAL, 52
66.	102728	1	DECAL, BELT ROUTING
67.	102703	1	DECAL, ANTI-SCALP
68.	100106	1	DECAL, KEES
69.	913010	1	DECAL, WARNING
70.	100344	1	DECAL, DANGER
71.	102933	3	5/16C X 1 1/2 CARRIAGE BOLT
72.	102686	1	SHIELD
73.	923515	3	SPACER
74.	102690	1	JACKSHAFT SUB ASSY.

52" & 61" DECK ASSEMBLY

WIRING ASSEMBLY



ITEM	PART NO.	QTY.	DESCRIPTION
1.	102764	1	WIRING HARNESS
2.	991034	3	#10 X 1/2 HEX SELF-TAPPING SCREW
3.	990580	1	1/4C X 3/4 HEX CAP SCREW
4.	102914	3	RELAY
5.	101771	1	7.5 AMP 32 VOLT ATO FUSE
6.	101080	3	INTERLOCK SWITCH
7.	101770	1	IGNITION SWITCH W / KEY
	911138	2	KEYS
8.	101768	1	BLADE SWITCH
9.	102540	1	HOUR METER

ITEM	PART NO.	QTY.	DESCRIPTION
10.	976952	6	#10-24 X 5/8 SLOTTED SCREW
11.	102678	3	TAPPED PLATE
12.	102086	1	20 AMP 32 VOLT ATO FUSE
13.	102759	2	INSULATOR
14.	102757	1	POSITIVE (+) BATTERY CABLE (RED)
15.	102758	1	NEGATIVE (-) BATTERY GROUND CABLE (BLACK)
16.	101298	1	12 VOLT 330 AMP BATTERY
17.	102685	1	LOOM CLIP
18.	990761	3	1/4C CENTERLOCK NUT
19.	977761	2	1/4C X 1 HEX CAP SCREW

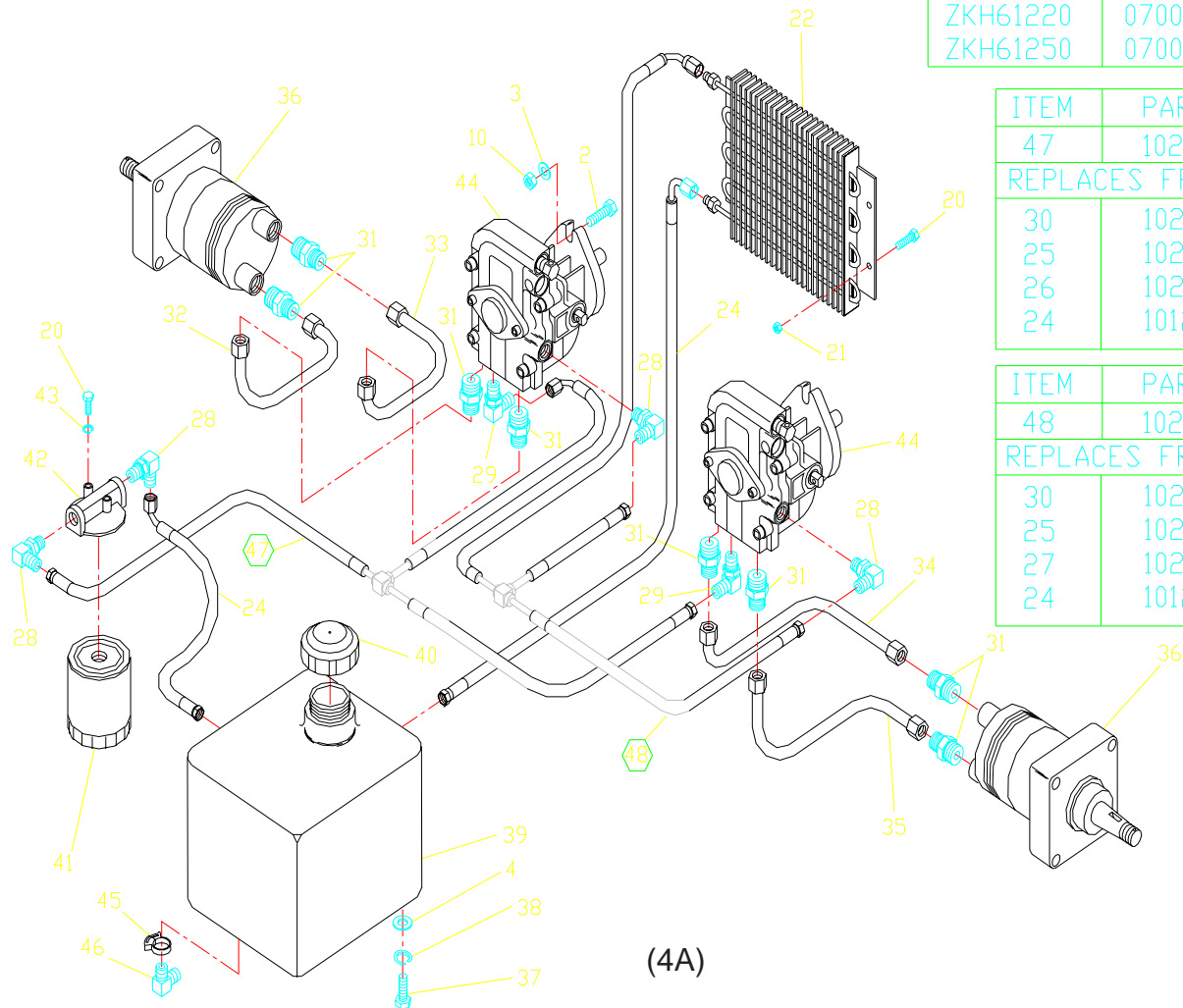
WIRING ASSEMBLY

KEESTM

HYDRAULIC ASSEMBLY MODIFIED

NOTE: REVISION AFTER THESE NUMBERS:

MODEL	SERIAL NO.
ZKH52220	07002045
ZKH52250	07000821
ZKH61220	07000920
ZKH61250	07002104



(4A)

ITEM	PART NUMBER	QTY
47	102476	1
REPLACES FROM PAGE 4		
30	102869	1
25	102879	1
26	102878	1
24	101244	1

ITEM	PART NUMBER	QTY
48	102475	1
REPLACES FROM PAGE 4		
30	102869	1
25	102879	1
27	102880	1
24	101244	1