

Parts Manual for

SNAPPER[®]

OUT FRONT Z-RIDER™ ZERO TURNING HYDRO DRIVE KUBOTA SERIES 1

POWER UNIT MODELS

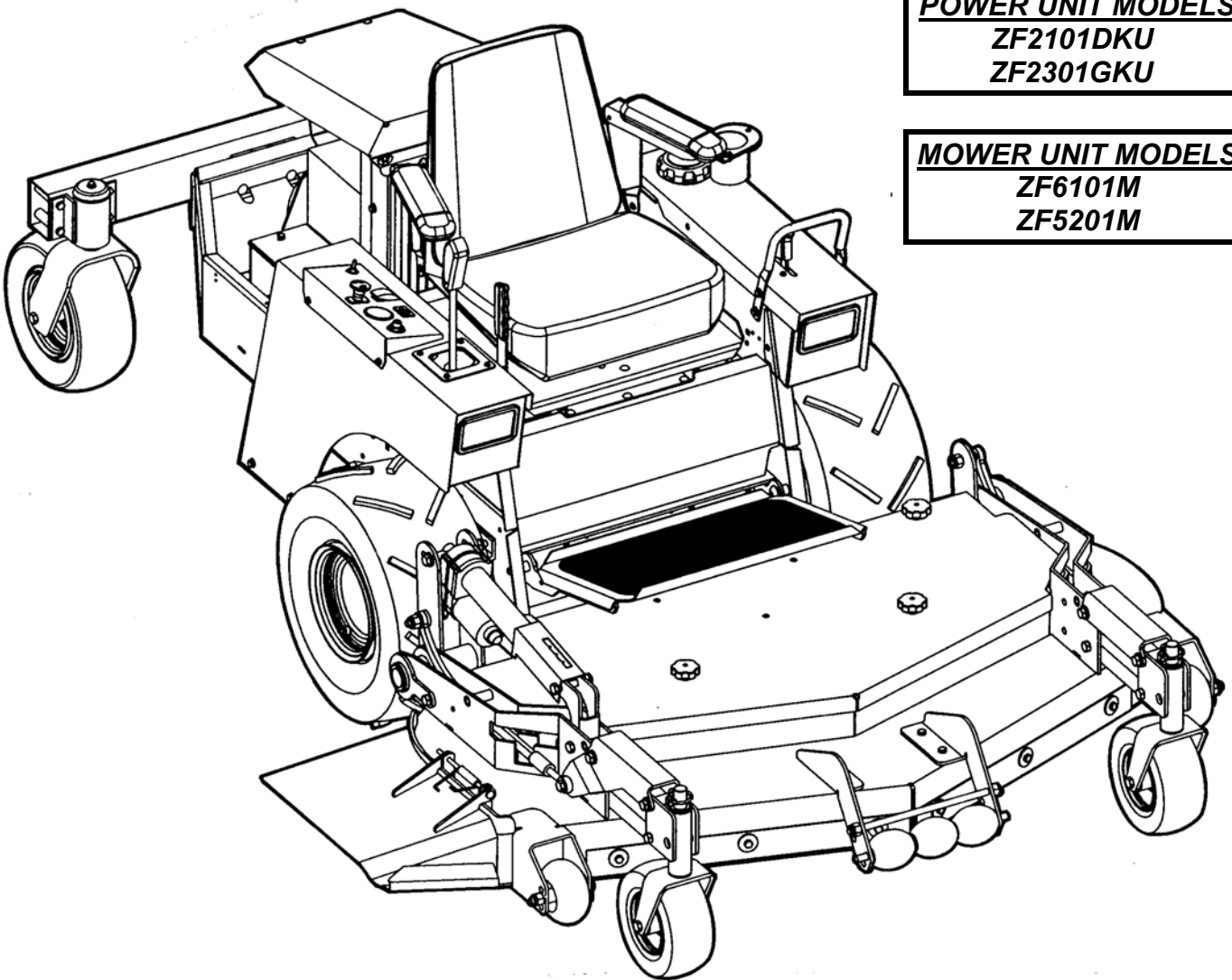
ZF2101DKU

ZF2301GKU

MOWER UNIT MODELS

ZF6101M

ZF5201M



SNAPPER[®] McDonough, GA., 30253 U.S.A.

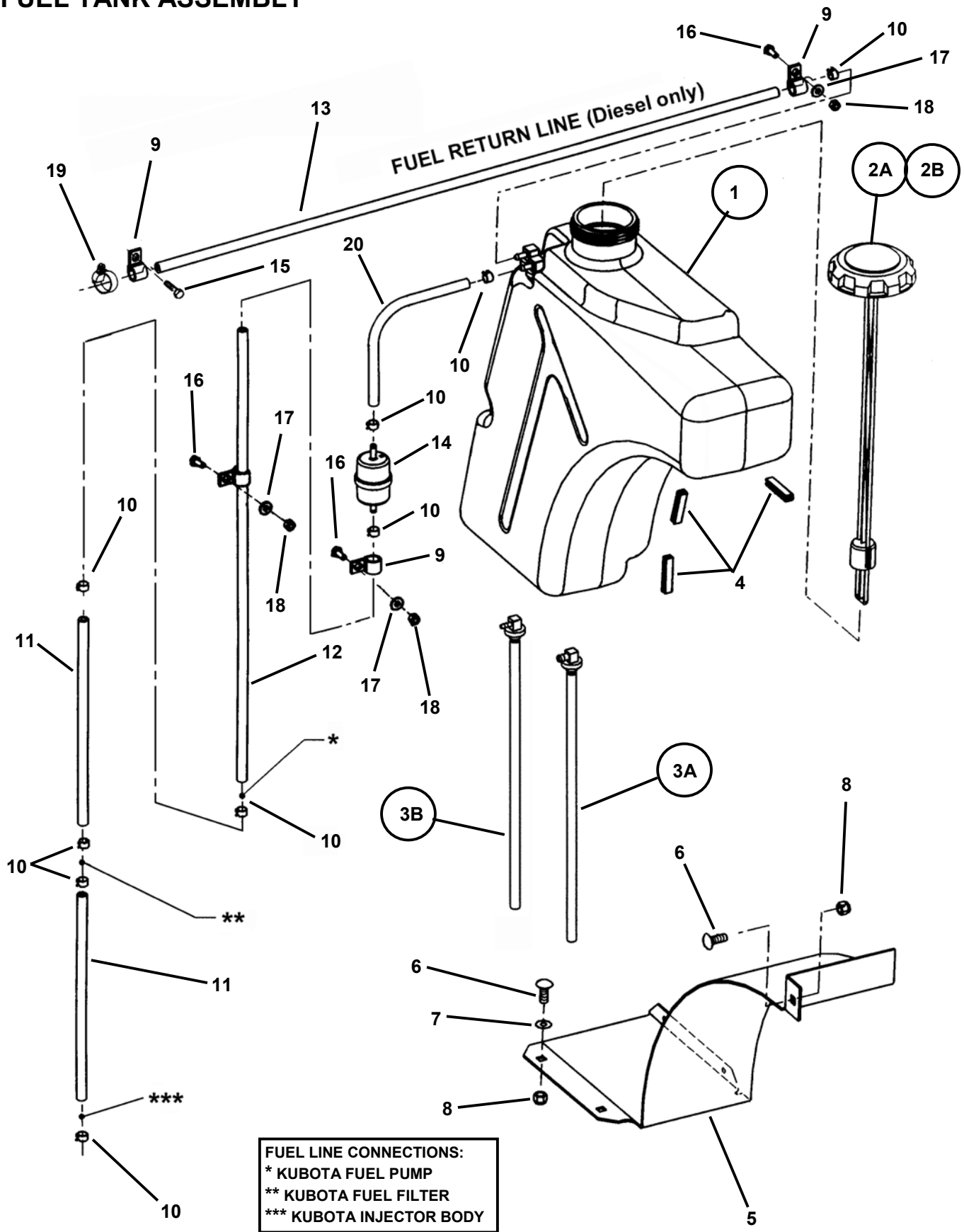
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HARDWARE BAGS

ITEM	PART NO.	DESCRIPTION	LOCATION
--	6-1865	HARDWARE BAG Telescoping Driveshaft (includes items listed below)	
1	1-0211	KEY, # 9 Woodruff	pages 35 & 37, item 17
2	9-0132	SETSCREW, 3/8-16 x 3/8" Hex Socket Head	pages 35 & 37, item 10

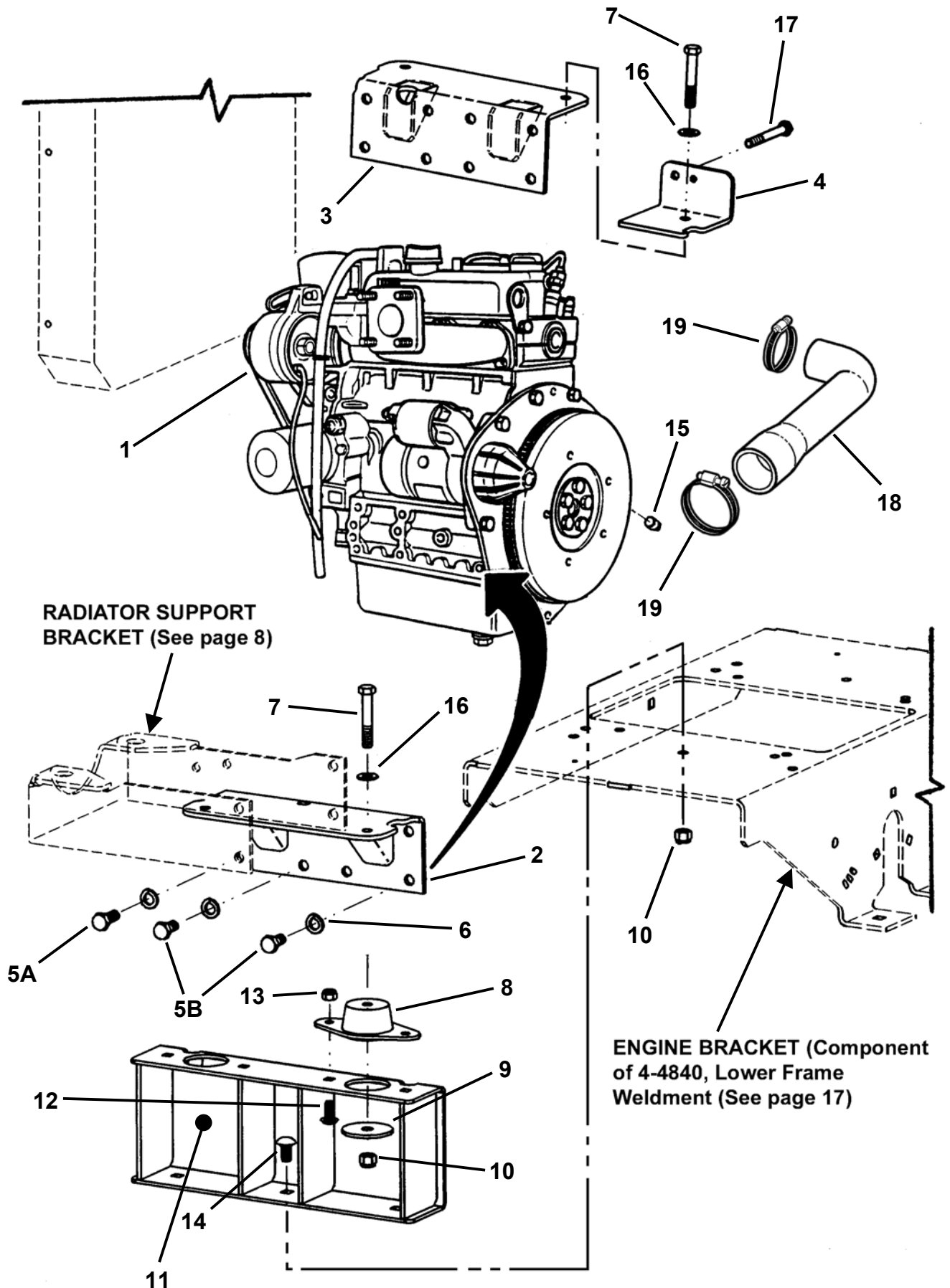
FUEL TANK ASSEMBLY



FUEL TANK ASSEMBLY

ITEM	PART NO.	DESCRIPTION
1	5-4626	TANK, Fuel (shown) (Includes items 2A, 3A & 3B)
--	5-8017	TANK, Fuel (not shown) (Includes items 2B & 3A) (23 HP Gas Engine)
2A	5-4654	ASSEMBLY, Cap/Gauge
2B	5-4119	ASSEMBLY, Cap/Gauge (23 HP Gas Engine)
3A	5-7692	ASSEMBLY, 8mm (5/16") Fuel Pickup
3B	5-7693	ASSEMBLY, 4mm (5/32") Fuel Pickup
4	2-6746	TRIM, 2 Inch (3)
5	3-5504	BRACKET, Fuel Tank Support
6	9-1640	BOLT, Square Neck Carriage, Grade 5 (3)
7	1-3847	RETAINER, 3/8" Bolt (2)
8	9-1299	NUT, 3/8-16 Hex Nyloc (3)
9	9-1959	HARNESS CLIP, 3/8" (2)
10	9-1957	CLAMP, 9/16" Hose (8)
11	4-6346	HOSE, Fuel (8mm x 12") (2)
12	4-6347	HOSE, Fuel (8mm x 28")
13	4-6349	HOSE, Fuel (8mm x 36") (21 HP Diesel Engine)
14	4-6364	FILTER, Fuel, 5/16" Hose (Kohler Part No. 240 050 02) (Hayes-Dana P/N. G81)
15	9-1523	SCREW, 5/16-18 x 5/8" Hex Washer Self-Tap
16	2-7172	SCREW, 1/4-20 x 5/8" Hex Head Cap, Grade 5 (3)
17	9-1294	WASHER, 1/4" Flat (3)
18	9-1603	NUT, 1/4-20 Hex Nyloc (3)
19	1-5617	CLAMP, Hose (2)
20	4-6348	HOSE, Fuel (6-1/2")

ENGINE & ENGINE MOUNT ASSEMBLIES



RADIATOR SUPPORT BRACKET (See page 8)

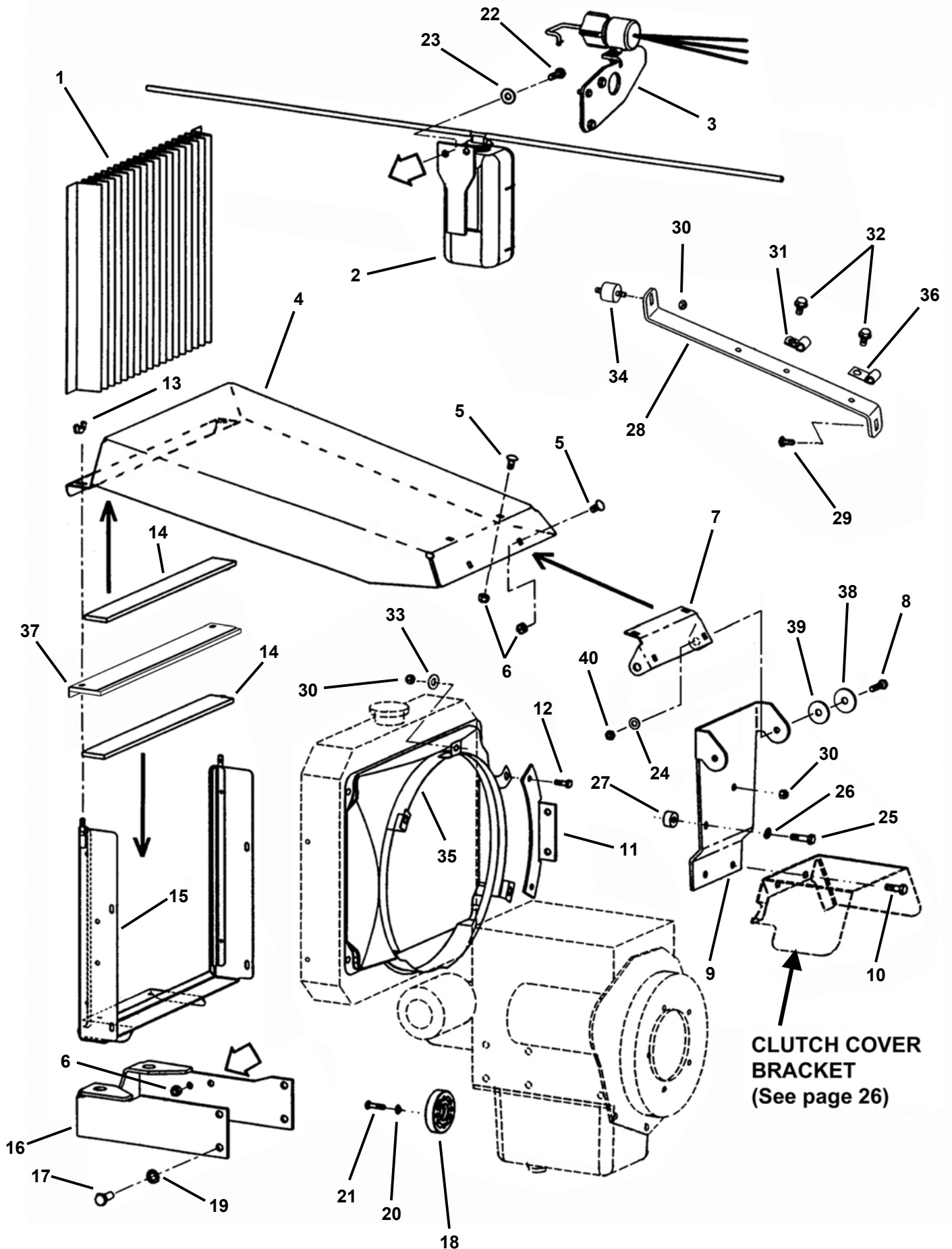
ENGINE BRACKET (Component of 4-4840, Lower Frame Weldment (See page 17))

ENGINE & ENGINE MOUNT ASSEMBLIES

ITEM	PART NO.	DESCRIPTION
1	**	ENGINE, 21HP Kubota Diesel (Kubota Model D722B-I/D 722EB-1)
--	**	ENGINE, 23HP Kubota Gas (Kubota Model WG750ELP-1)
2	4-5351	MOUNT, Engine, Left Hand
3	4-5352	MOUNT, Engine, Right Hand
4	4-1826	BRACKET, Fuel Filter
5A	9-1935	SCREW, M10-1.25 x 25mm Hex Head Cap (4)
5B	9-1934	SCREW, M10-1.25 x 20mm Hex Head Cap (8)
6	9-1301	WASHER, 7/16" Split Lock (12)
7	9-1501	SCREW, 3/8-16 x 2-1/2" Hex Head Cap, Grade 5 (4)
8	4-5263	MOUNT, Isolator (4)
9	4-5265	WASHER, Snubbing (4)
10	9-1299	NUT, 3/8-16 Nyloc (10)
11	4-5353	SUPPORT, Lower Channel (2)
12	9-1508	BOLT, 5/16-18 x 3/4" Short Neck Carriage, Grade 5 (8)
13	9-1298	NUT, 5/16-18 Nyloc (8)
14	2-7181	BOLT, 3/8-16 x 1-1/4" Short Neck Carriage, Grade 5 (6)
15	2-9039	PLUG, 1/4 Pipe
16	9-1514	WASHER, 3/8" Flat (4)
17	9-1944	SCREW, 5/16-18 x 2-3/4" Hex Head Cap, Grade 5
18	7-2108	HOSE, Air Intake, 23HP Kubota Gasoline
19	1-2332	CLAMP, 2" (2)

**NOTE: FOR ALL PARTS NOT REFERENCED BY A SNAPPER PART NUMBER:
SEE YOUR AUTHORIZED KUBOTA ENGINE DEALER.**

ENGINE HOOD & RADIATOR ASSEMBLIES



**CLUTCH COVER
BRACKET
(See page 26)**

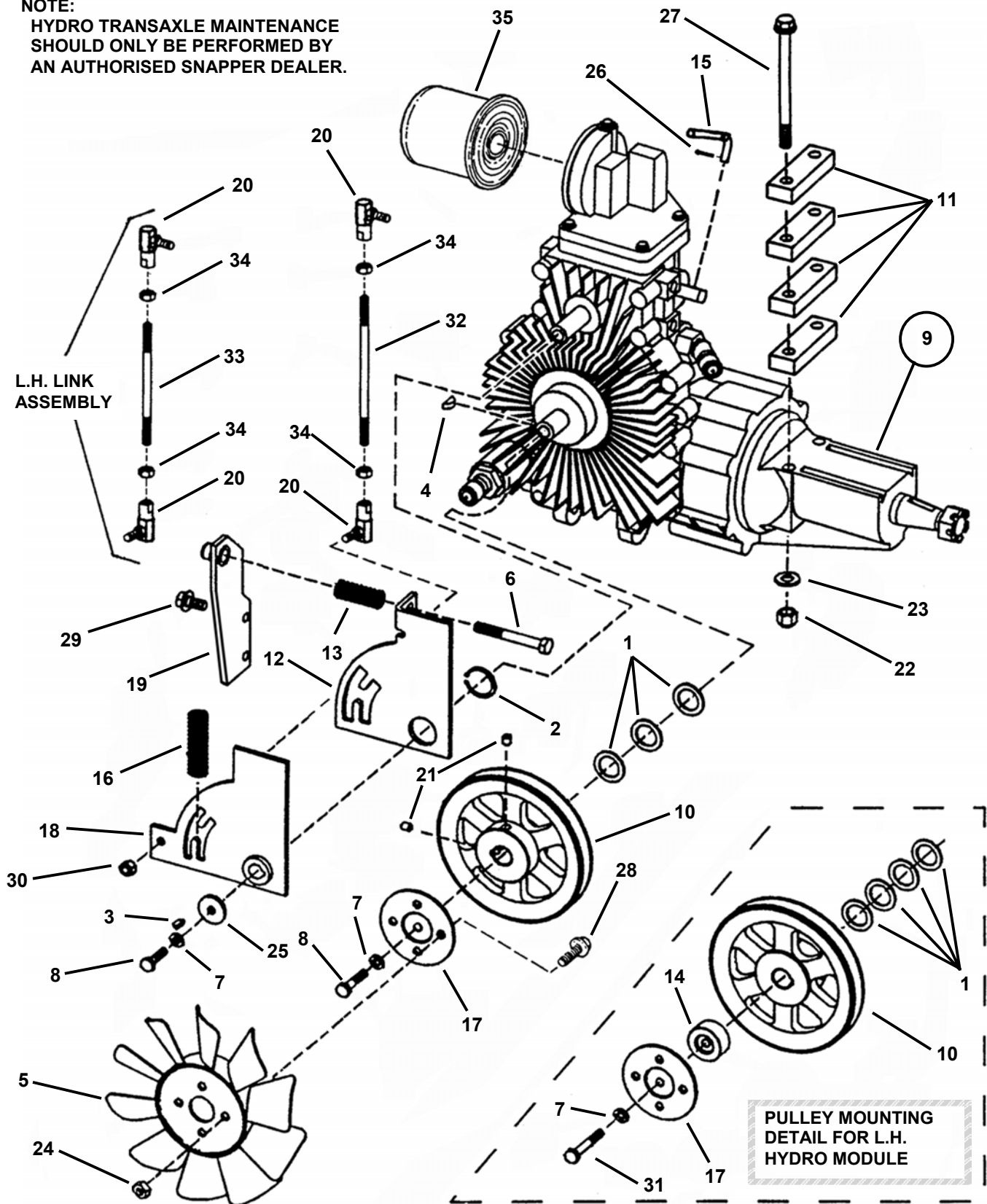
ENGINE HOOD & RADIATOR ASSEMBLIES

ITEM	PART NO.	DESCRIPTION
1	4-5294	SCREEN, Radiator
2	-----	TANK, Coolant Recovery (Includes Tank, Bracket and Hoses) (Kubota part no. 19059-72091)
3	-----	KIT, Solenoid (Includes Solenoid, Bracket and Mounting Hardware) (Kubota kit no. 1A)
4	4-5289	WELDMENT, Engine Hood
5	9-1918	BOLT, 5/16-18 x 5/8" Short Neck Carriage, Grade 5 (4)
6	9-1298	NUT, 5/16-18 Hex Nyloc (5)
7	7-3478	BRACKET, Hood Hinge
8	9-1527	SCREW, 5/16-18 x 1-1/4" Hex Head Cap, Grade 5 (2)
9	4-5290	SUPPORT, Engine Hood
10	9-1933	SCREW, M8-1.25 x 25mm Hex Head Cap (2)
11	4-5291	BRACKET, Air Cleaner
12	9-1931	SCREW, M6-1.00 x 20mm Hex Head Cap (2)
13	9-0997	WINGNUT, 1/4-20 Locking (2)
14	4-5297	STRIP, Sponge Rubber (2)
15	4-5296	WELDMENT, Radiator Screen Support
16	4-5329	BRACKET, Radiator Support
17	9-1935	SCREW, M10-1.25 x 25mm Hex head Cap (4)
18	4-5316	SPACER, Fan
19	9-1301	WASHER, 7/16 Split Lock (4)
20	2-7223	WASHER, 1/4" Split Lock (4)
21	9-1932	SCREW, M6-1.00 x 25mm Hex Head Cap (4)
22	2-7168	SCREW, 5/16-18 x 1" Hex Head Cap, Grade 5 (2)
23	9-1528	WASHER, 3/8" Flat (2)
24	9-0188	WASHER, 5/16 Flat (2)
25	9-1924	SCREW, M8-1.25 x 30mm Hex Head Cap (2)
26	9-1315	WASHER, .32 I.D. Split Lock (3)
27	4-1991	SPACER, .33 I.D. x .75 O.D. x .459 Long
28	4-1993	BRACE, Radiator
29	9-1776	BOLT, 1/4-20 x 3/4" Square Neck Carriage, Grade5
30	9-1705	NUT, 1/4-20 Hex Top Lock (3)
31	9-1959	HARNESS CLIP, 3/8"
32	9-1523	SCREW, 5/16-18 x 5/8" Hex Washer Face Self-Tap (2)
33	9-1294	WASHER, 1/4" Flat
34	4-6227	ISOLATOR, Stud Mount
35	4-5318	SHROUD, Kubota Diesel Radiator
36	3-5638	J-CLIP, 3/8"
37	5-8878	ASSEMBLY, Radiator Seal (Incl. adhesive weather strip, Snapper 7-3350)
38	9-1331	WASHER, .406 x 1.50 Flat (2)
39	3-4267	FRICITION PAD, Spacer (2)
40	9-1760	NUT, 5/16-18 Hex Center Lock Jam (2)

NOTE: See page 5 for Engine Components.

TANDEM HYDRO TRANSAXLE ASSEMBLY

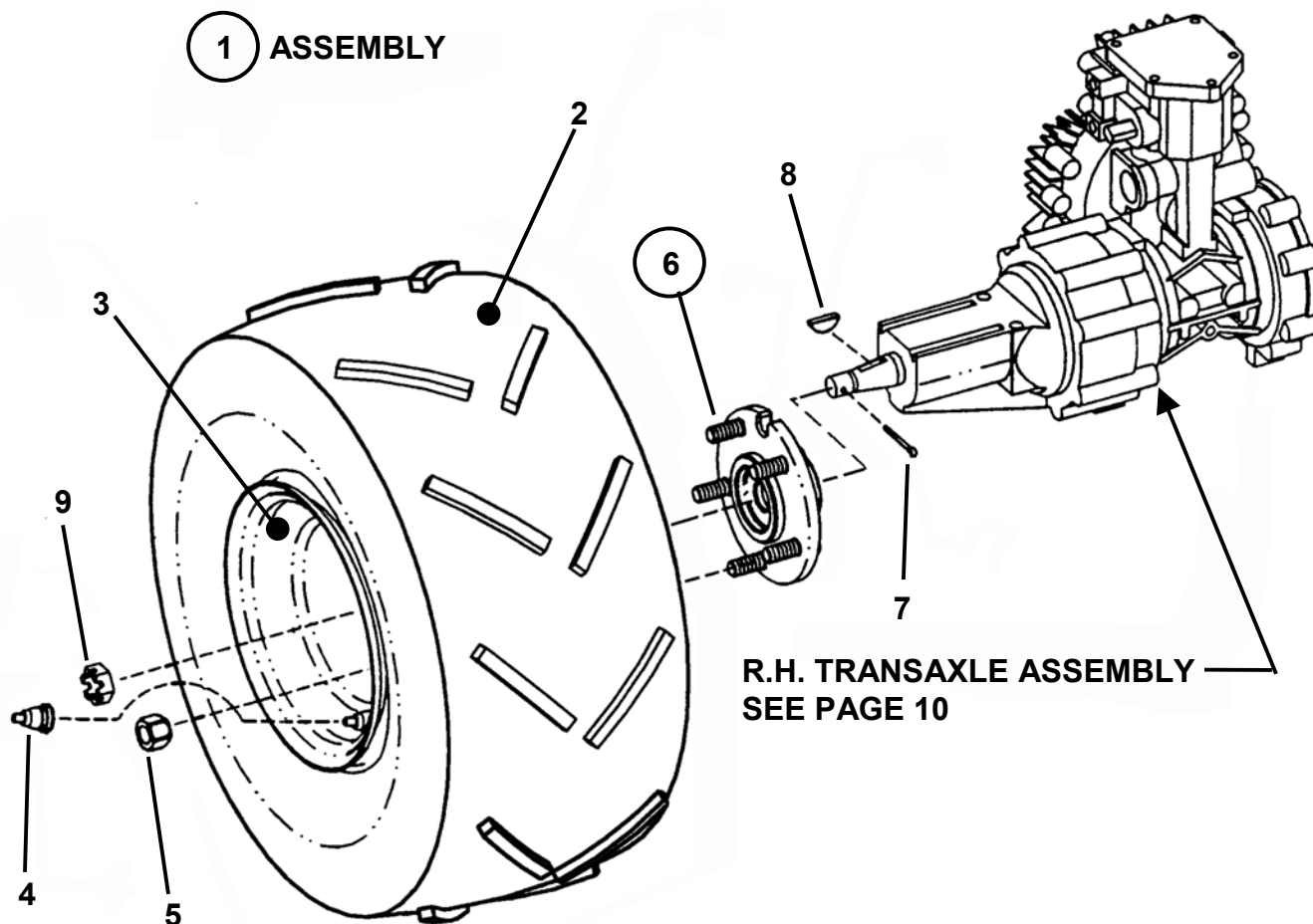
NOTE:
HYDRO TRANSAXLE MAINTENANCE
SHOULD ONLY BE PERFORMED BY
AN AUTHORISED SNAPPER DEALER.



TANDEM HYDRO TRANSAXLE ASSEMBLY

ITEM	PART NO.	DESCRIPTION
1	1-0935	WASHER, 3/4 I.D. x 1-1/8" O.D. Flat (7)
2	1-2709	RETAINING RING, 1" External (2)
3	1-4264	WOODRUFF KEY, #404 (2)
4	1-5894	WOODRUFF KEY, #605 (2)
5	1-8978	FAN, 10 Blade 7" Dia. (2)
6	2-7175	BOLT, 5/16-18 x 2-1/2" Hex Head (2)
7	2-7223	WASHER, 1/4 Split Lock (4)
8	9-1814	SCREW, 1/4-20 x 1-1/4", Hex Head Cap (3)
9	5-9156	ASSEMBLY, Transaxle 771-108 (R.H.) Side (shown)
--	5-9155	ASSEMBLY, Transaxle 771-107 (L.H.) Side
10	3-5547	PULLEY, Transmission Input (2)
11	7-2017	SPACER, Eaton Transaxle (8)
12	3-5910	PLATE, Neutral Adjust (2)
13	3-5915	SPRING, Neutral Return Adjust (2)
14	3-5923	SPACER/ADAPTER, Fan
15	3-5925	ROD, Roll Release (2)
16	3-5927	SPRING, Neutral Return (2)
17	4-2612	SPACER, Fan (Weldment) (2)
18	4-2639	CAM, Neutral Return (Weldment) (2)
19	5-9441	PLATE, Neutral Return (Weldment) (2)
20	1-5753	BALL-JOINT (4)
21	9-1802	SET SCREW, 5/16-18 x 5/8" Hex Recess (4)
22	9-1299	NUT, 3/8-16, Hex Nyloc (4)
23	9-1514	WASHER, 13/32 I.D. x 13/16 O.D. Flat (4)
24	9-1603	NUT, 1/4-20 Hex Nyloc (8)
25	9-1627	WASHER, 1/4 I.D. x 1" O.D. (2)
26	9-1629	COTTER-PIN, 1/16 x 1/2" (2)
27	9-1786	BOLT, 3/8-16 x 4-3/4" Grade 5 (4)
28	9-1787	SCREW, 1/4-20 x 5/8", Hex Flange Lock, Grade 5 (8)
29	9-1811	BOLT, 5/16-18 x 5/8", Hex Flange Lock (4)
30	9-1812	NUT, 1/4-28, Hex Nyloc (4)
31	9-0505	SCREW, 1/4-20 x 2", Hex Head Cap, Grade 5
32	3-5914	ROD, Threaded 1/4-28 x 5-3/8"
33	3-5916	ROD, Threaded 1/4-28 x 4-3/8"
34	9-1605	NUT, 1/4-28 Hex, Grade 5 or B (4)
35	4-2715	FILTER, Oil (EATON No. 103144)

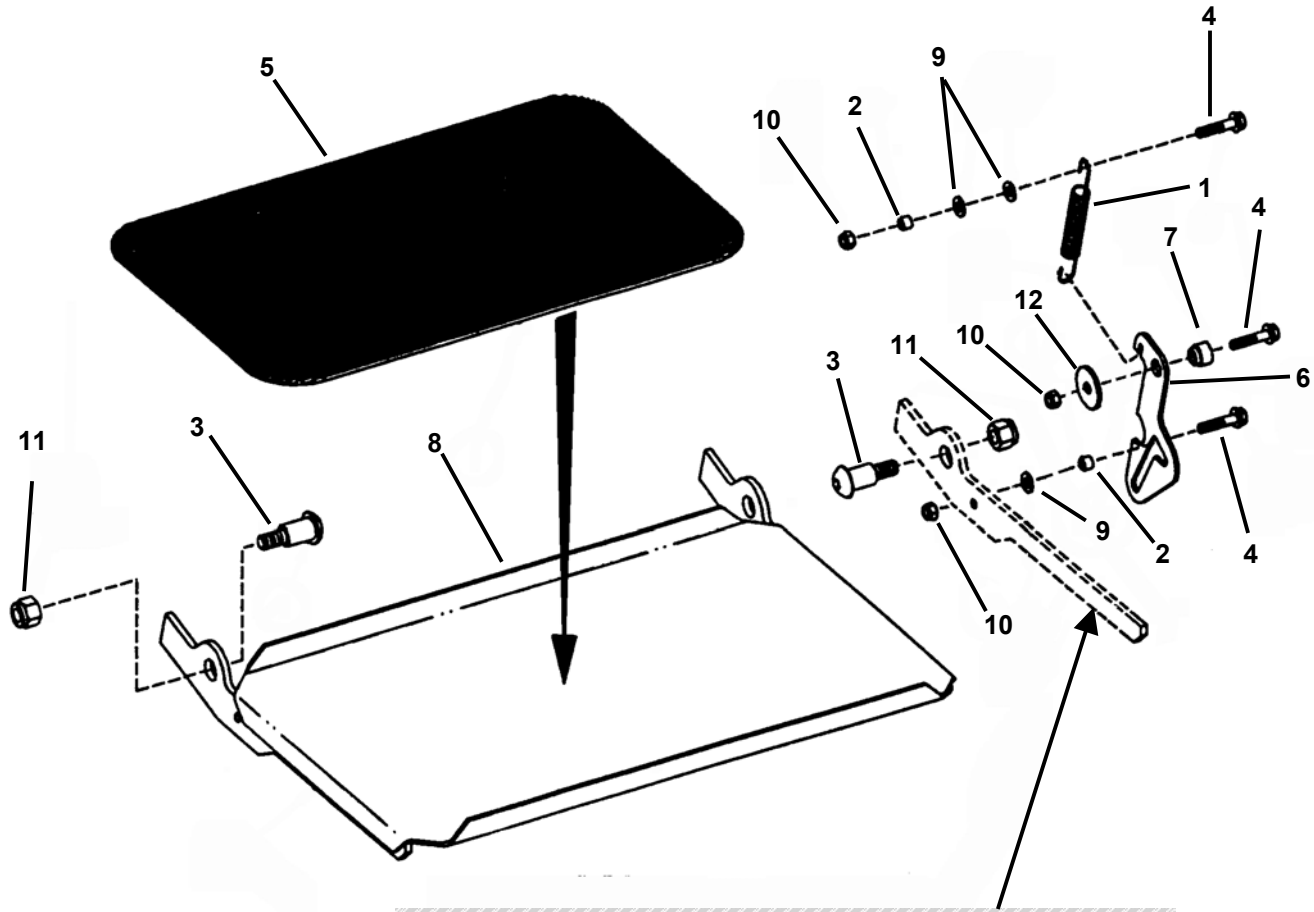
DRIVE TIRE/WHEEL ASSEMBLY



ITEM	PART NO.	DESCRIPTION
1	5-4509*	ASSEMBLY, Rear Tire & Rim L.H. (Not Shown)
--	5-4510*	ASSEMBLY, Rear Tire & Rim R.H. (Shown)
2	4-4707	TIRE, 21 x 11.00-8 4 ply "All Terrain"
3	5-4111	RIM, 8" Dia. X 7-3/4"
4	1-2234	VALVE, Air
5	2-7192	NUT, 1/2-20 Lug (10)
6	5-4461	ASSEMBLY, Wheel Hub (2)
7	9-1793	PIN, Cotter, 9/64 x 1-1/2" (2)
8	9-1978	KEY, #806 Woodruff (2)
9	9-1828	NUT, 3/4-20 Slotted Hex (2)

*(Includes items 2, 3 & 4.)

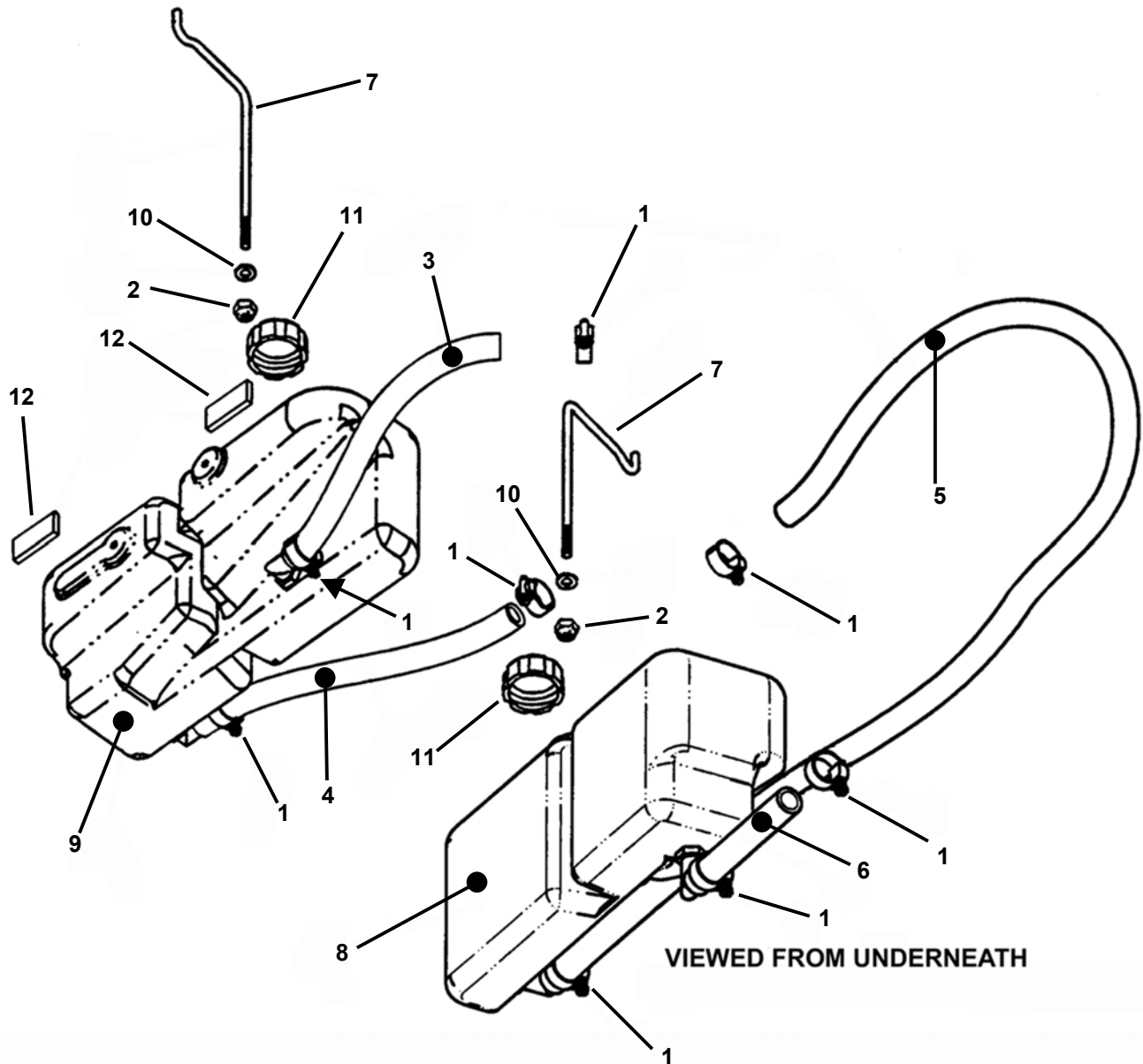
FOOTREST ASSEMBLY



**NOTE: HINGE BRACKET (COMPONENT OF ITEM 8)
SHOWN "DETACHED" FOR CLARITY OF ASSEMBLY**

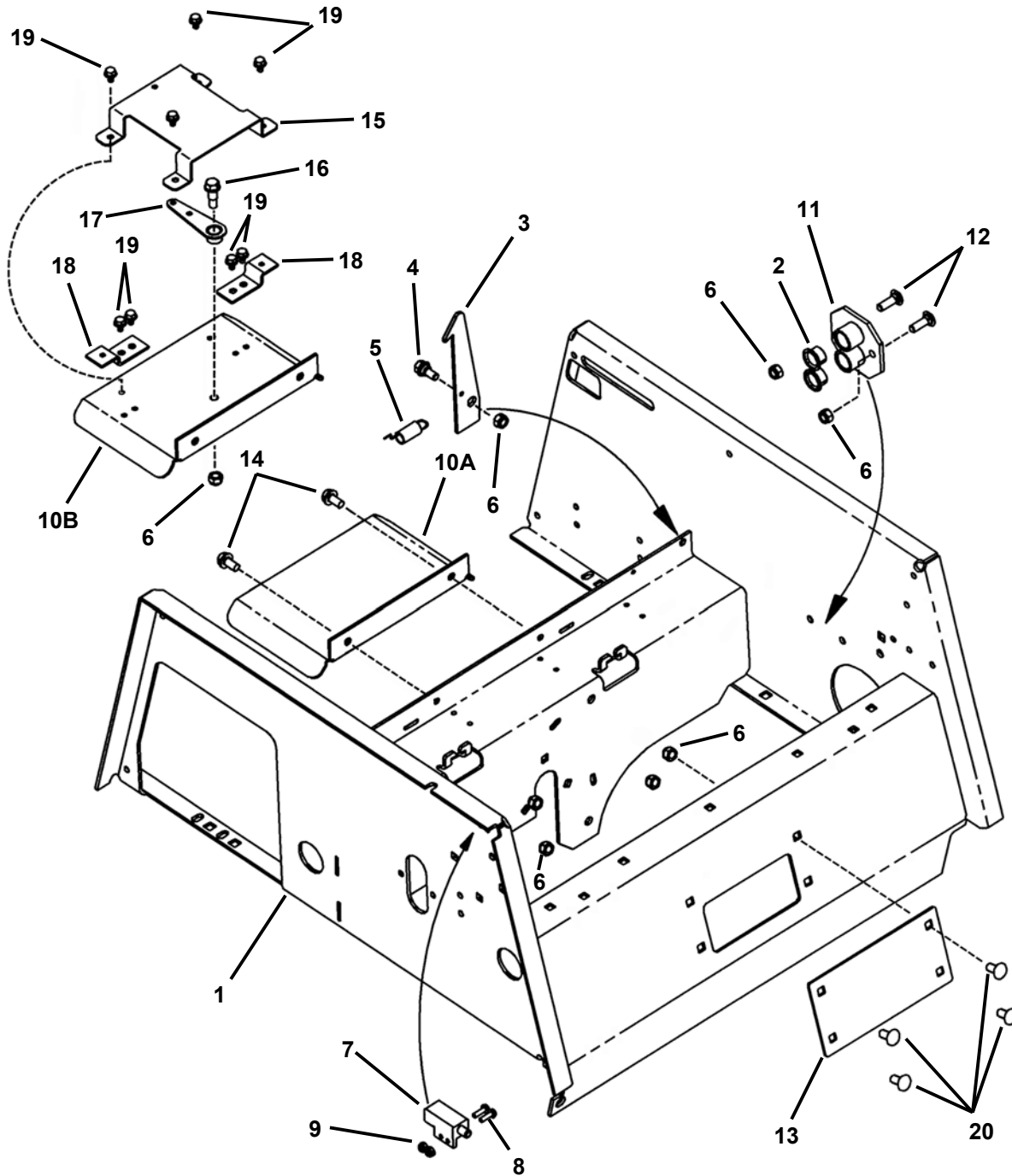
ITEM	PART NO.	DESCRIPTION
1	2-2696	SPRING
2	2-8810	BUSHING, 5/16 I.D. x 7/16 O.D. x 3/16" (2)
3	3-5849	BOLT, 1/2-13, 3/4 Dia. X 1-1/16 Shoulder (2)
4	9-1602	BOLT, 5/16-18 x 1-1/2 Hex Flange Lock, Grade 5 (3)
5	3-5855	FOOT PAD, Rubber
6	3-5978	PLATE, Footrest Latch
7	3-5979	SPACER, Shoulder (Latch)
8	4-2630	FOOTREST (Weldment)
9	9-1296	WASHER, 11/32 I.D. x 11/16 O.D. x 1/16" Flat (3)
10	9-1298	NUT, 5/16-18 Nyloc (3)
11	9-1894	NUT, 1/2-13 Hex Center Lock, Grade 5 (2)
12	9-1331	WASHER, 13/32 I.D. x 1-1/2 O.D. x 1/8" Flat

HYDRO RESERVOIR ASSEMBLY



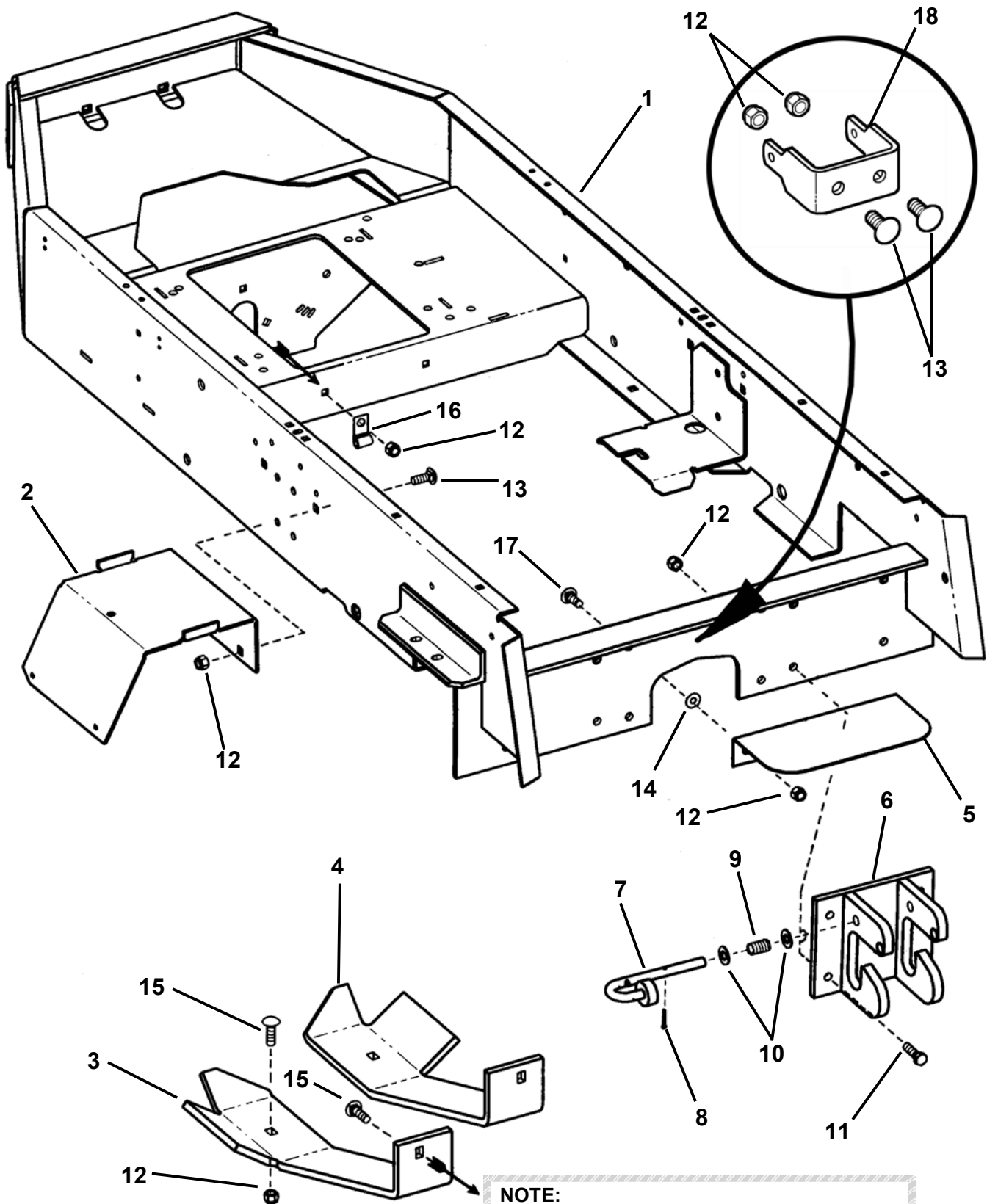
ITEM	PART NO.	DESCRIPTION
1	1-6130	CLAMP, Hose 13/16" (8)
2	9-1298	NUT, 5/16-18 Nyloc (2)
3	3-5514	HOSE, Rubber R.H. Front (5/8" I.D. x 13-1/2")
4	3-5515	HOSE, Rubber R.H. Back (5/8" I.D. x 16")
5	4-1834	HOSE, Rubber L.H. Front (5/8" I.D. x 34")
6	4-1833	HOSE, Rubber L.H. Back (5/8" I.D. x 6")
7	3-5639	BRACKET, Reservoir (2)
8	5-4703	RESERVOIR, L.H. Hydro (includes cap, item 11)
9	5-4103	RESERVOIR, R.H. Hydro (includes cap, item 11)
10	9-1296	WASHER, 11/32" I.D. x 11/16" O.D. (2)
11	3-5512	CAP, Reservoir
12	7-7345	PAD, Tank (4)

UPPER CHASSIS AND SEAT LATCH ASSEMBLY



ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	5-8770	UPPER CHASSIS Wldmt.	12	9-1714	BOLT, 5/16-18 x 1" Grade 5 (2)
2	7-2934	BUSHING, Teflon Impreg. (2)	13	7-3277	PLATE, Cover
3	7-2106	LATCH, Seat Support	14	9-1523	SCREW, 5/16-18 x 5/8" Hex (2)
4	1-5761	BOLT, 5/16-18 Shoulder	15	7-1992	COVER, Cable
5	2-6292	SPRING	16	1-4664	BOLT, 5/16-18 Shoulder
6	9-1298	NUT, 5/16-18 Hex Nyloc (8)	17	5-8243	ASS'Y, Cable Control Lever (Incl. 7-2174 Bearing)
7	4-5345	SWITCH, DPDT, NO/NO	18	7-1987	BRACKET, Cable Anchor (2)
8	9-1240	SCREW, #10-32 x 5/8" Gr. 5 (2)	19	9-1084	SCREW, 1/4-20 x 3/8" Self-Tap (8)
9	9-0376	NUT, #10-32 Hex Nyloc (2)	20	9-1508	BOLT, 5/16-18 x 3/4" Short Neck Carriage, Grade 5 (4)
10A	4-5292	GUARD, Driveshaft (ZF2101DKU)			
10B	7-1986	GUARD, Driveshaft (ZF2301GKU)			
11	5-8768	WELDMENT, Bushing Support			

LOWER CHASSIS ASSEMBLY

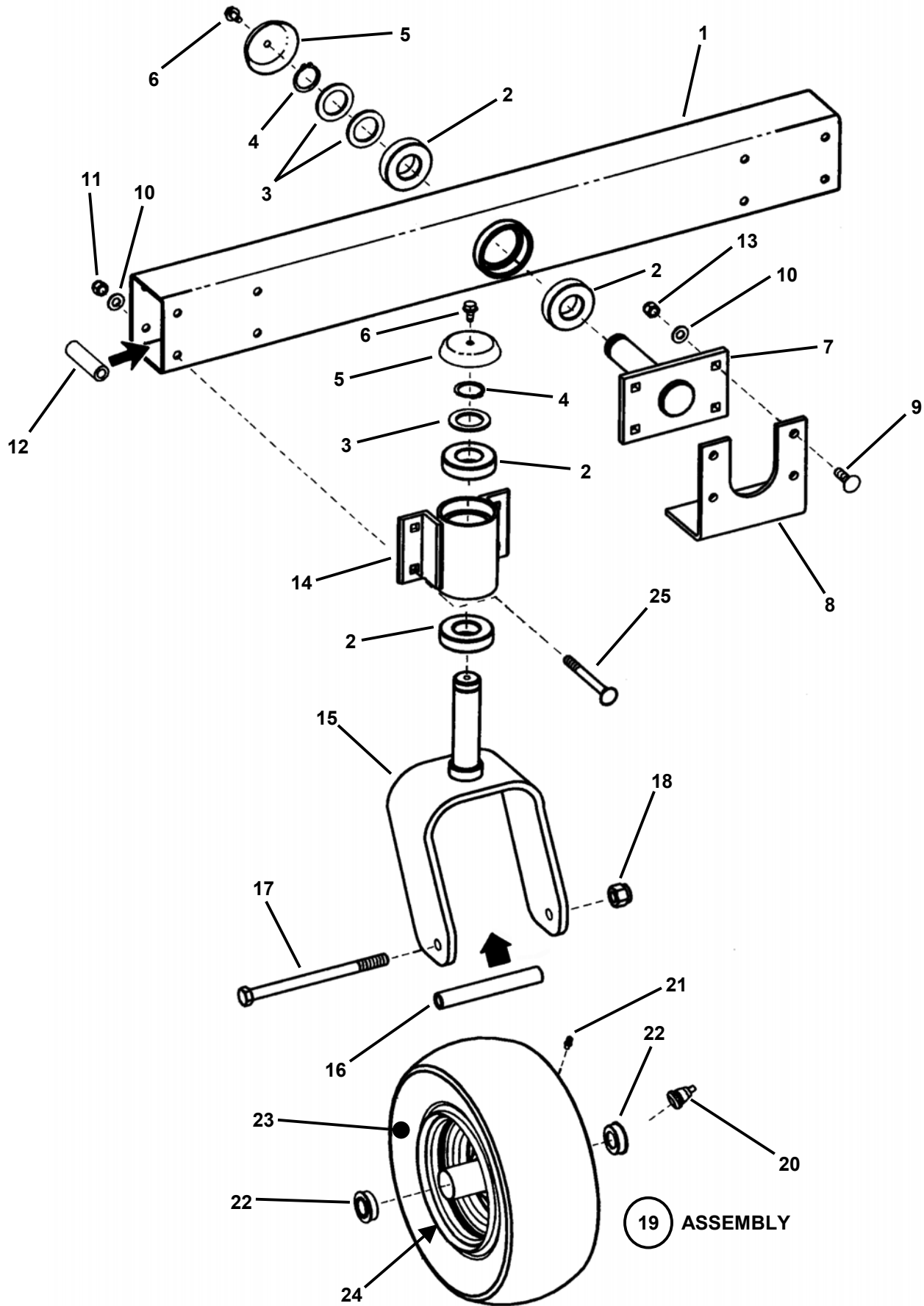


NOTE:
SKID GUARDS MOUNT TO ENGINE
SUPPORT CROSSMEMBER
(See above arrow)

LOWER CHASSIS ASSEMBLY

ITEM	PART NO.	DESCRIPTION
1	4-4840	CHASSIS, Lower
2	3-6406	BRACKET, Battery Support
3	4-5227	SKID GUARD, R.H.
4	4-5226	SKID GUARD L.H.
5	4-2777	SHIELD, Grass
6	4-2628	PLATE, Hitch (2)
7	4-2629	PIN, Hitch (2)
8	9-1598	PIN, Cotter, 1/8 x 3/4" (2)
9	1-4432	SPRING (2)
10	9-1595	WASHER, 15/32 I.D. x 15/16" O.D., Flat (4)
11	9-1328	SCREW, 3/8-16 x 1-1/4", Hex Hd. Cap, Gr. 5 (8)
12	9-1299	NUT, 3/8-16 Hex Nyloc (18)
13	9-1640	BOLT, 3/8-16 x 1" Carriage, Grade 5 (6)
14	1-3847	RETAINER, 3/8" Bolt (2)
15	9-1790	BOLT, 3/8-16 x 1-1/4", Carriage, Grade 5 (4)
16	3-5638	J-CLIP, Open Cushioned (2)
17	2-7181	BOLT, 3/8-16 x 1-1/4" Short Neck Carriage, Grade 5 (4)
18	7-3276	BRACKET, Cylinder

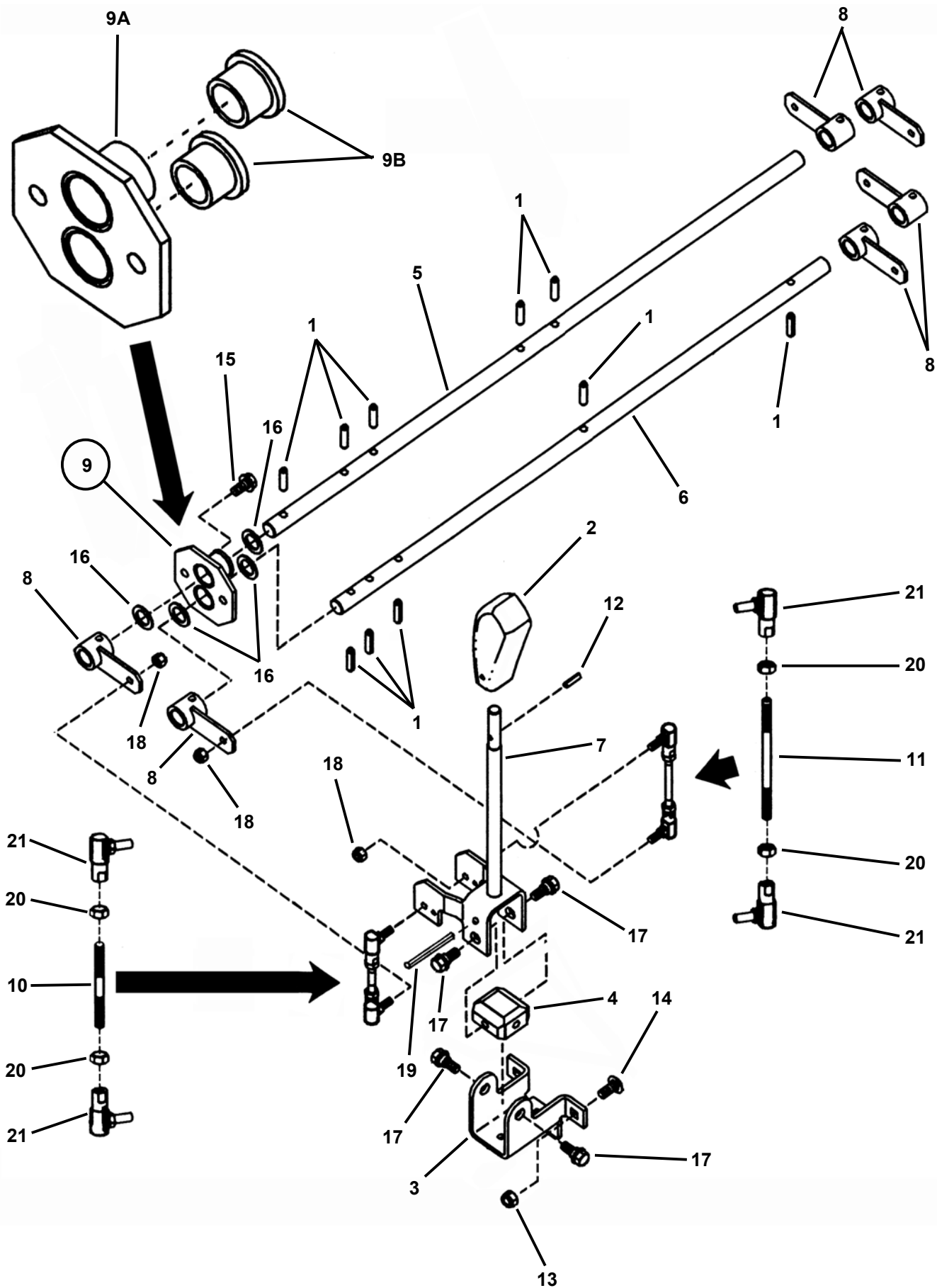
WIDE-STANCE CASTER ASSEMBLY



WIDE-STANCE CASTER ASSEMBLY

ITEM	PART NO.	DESCRIPTION
1	4-2961	WELDMENT, Axle
2	3-5602	BEARING, 30mm x 62mm (6)
3	9-1795	WASHER, 1-1/4 I.D. x 1-7/8" O.D. Flat (4)
4	1-0965	RING, 1-3/16 External Retaining (3)
5	3-6578	CAP, Caster Shaft (3)
6	9-0361	SCREW, 5/16-18 x 5/8" Self-Tapping (3)
7	4-5212	WELDMENT, Front Axle Pivot
8	4-2978	BRACKET, Axle Stop
9	9-1945	BOLT, 3/8-16 X 1-1/2" Short Neck Carriage, Grade 5 (4)
10	9-1514	WASHER, 3/8 Flat (12)
11	9-1299	NUT, 3/8-16 Hex Nyloc (8)
12	4-2928	TUBE, 13/32 I.D. x 3/4 O.D. x 2.70 (8)
13	9-1585	NUT, 3/8-16 Hex Center Lock, Grade B or 5 (4)
14	4-2590	WELDMENT, Caster Support (2)
15	4-2591	WELDMENT, Caster Yoke (2)
16	3-5476	SPACER, Bearing (2)
17	9-1773	SCREW, 1/2-13 x 7-1/4" Hex Head Cap, Grade 5 (2)
18	9-1325	NUT, 1/2-13 Nyloc (2)
19	5-4087	ASSEMBLY, Tire & Rim (Includes 20 thru 24) (2)
20	1-2234	VALVE, Air
21	1-2700	FITTING, Lube
22	2-8722	BEARING (2)
23	3-5474	TIRE, 13 x 5.00-6, 4 Ply
24	3-5475	RIM
25	9-1888	BOLT, 3/8-16 x 4" Square Neck Carriage, Grade 5 (8)

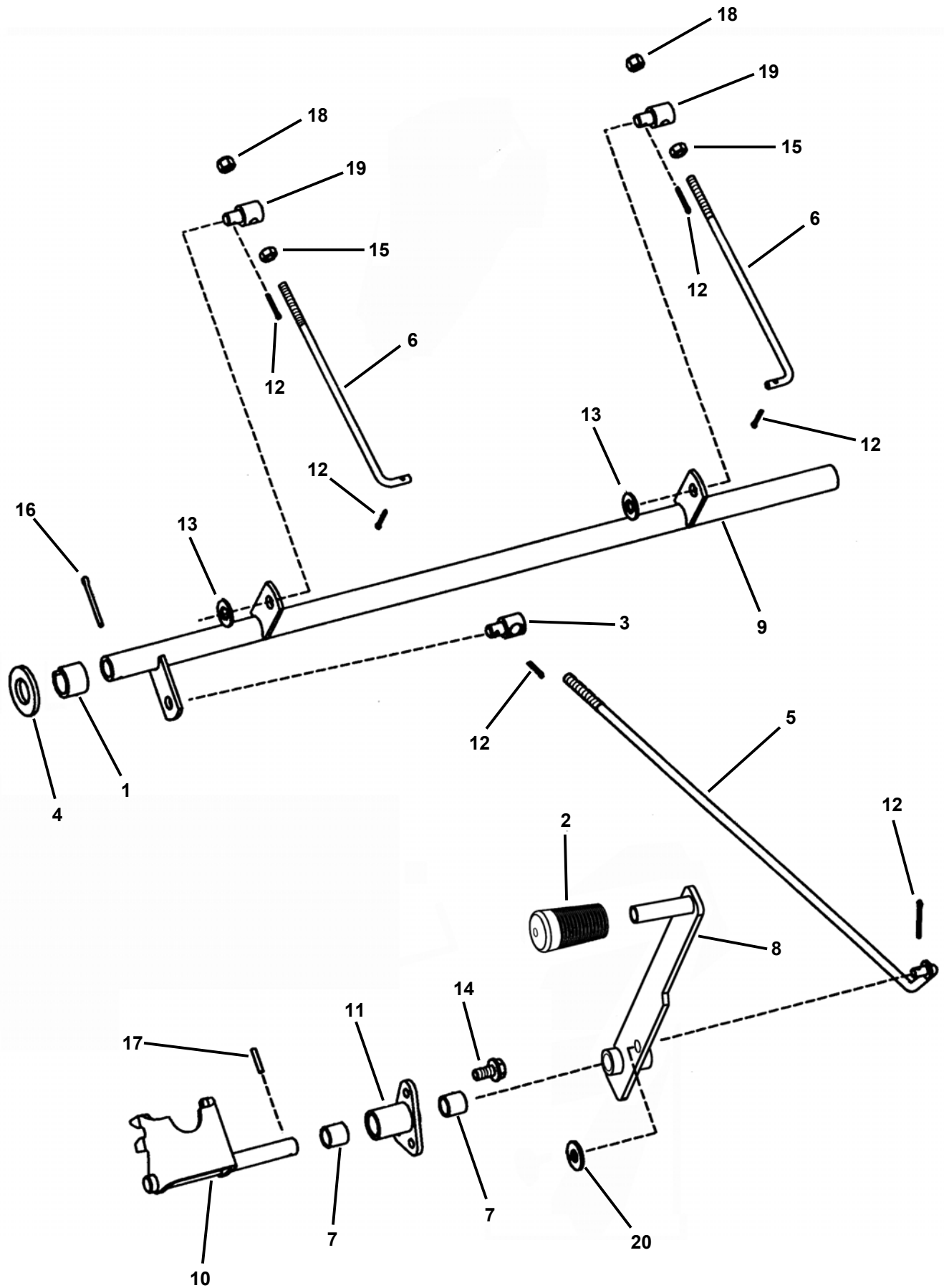
JOYSTICK CONTROL ASSEMBLY



JOYSTICK CONTROL ASSEMBLY

ITEM	PART NO.	DESCRIPTION
1	1-3072	ROLL PIN, 1/4 x 1" (10)
2	2-3656	HANDLE, Plastic
3	3-5532	BRACKET, Joystick Mounting
4	3-5533	BLOCK, Pivot Joystick Control
5	7-3274	SHAFT, Upper Cross
6	7-3275	SHAFT, Lower Cross
7	4-2599	HANDLE, Joystick Control (Weldment)
8	4-2638	ARM/HUB Weldment (6)
9	5-8766	ASSEMBLY, Cross Shaft Support (includes one 9A & two 9B)
9A	5-8768	SUPPORT, Cross Shaft (Weldment)
9B	7-2934	BUSHING, Teflon Impregnated (2)
10	3-5908	ROD, Threaded 1/4-28 x 2.71 long
11	3-5909	ROD, Threaded 1/4-28 x 3.85 long
12	9-0844	ROLL PIN 3/16 x 3/4"
13	9-1298	NUT, 5/16-18 Hex Nyloc (5)
14	9-1508	BOLT, 5/16-18 x 3/4" Square Neck Carriage, Grade 5 (5)
15	9-1523	SCREW, 5/16-18 x 5/8" Hex Washer Self-Tap (2)
16	9-1628	WASHER, 41/64 I.D. x 1" O.D. Flat (4)
17	9-1800	BOLT, 5/16-18 Shoulder (4)
18	9-1812	NUT, 1/4-28 Hex Nyloc (4)
19	9-1816	ROLL PIN, 1/4 x 2-3/4"
20	9-1605	NUT, 1/4-28 Hex, Grade 5 or B (4)
21	1-5753	BALL-JOINT, 1/4-28 Thread (4)

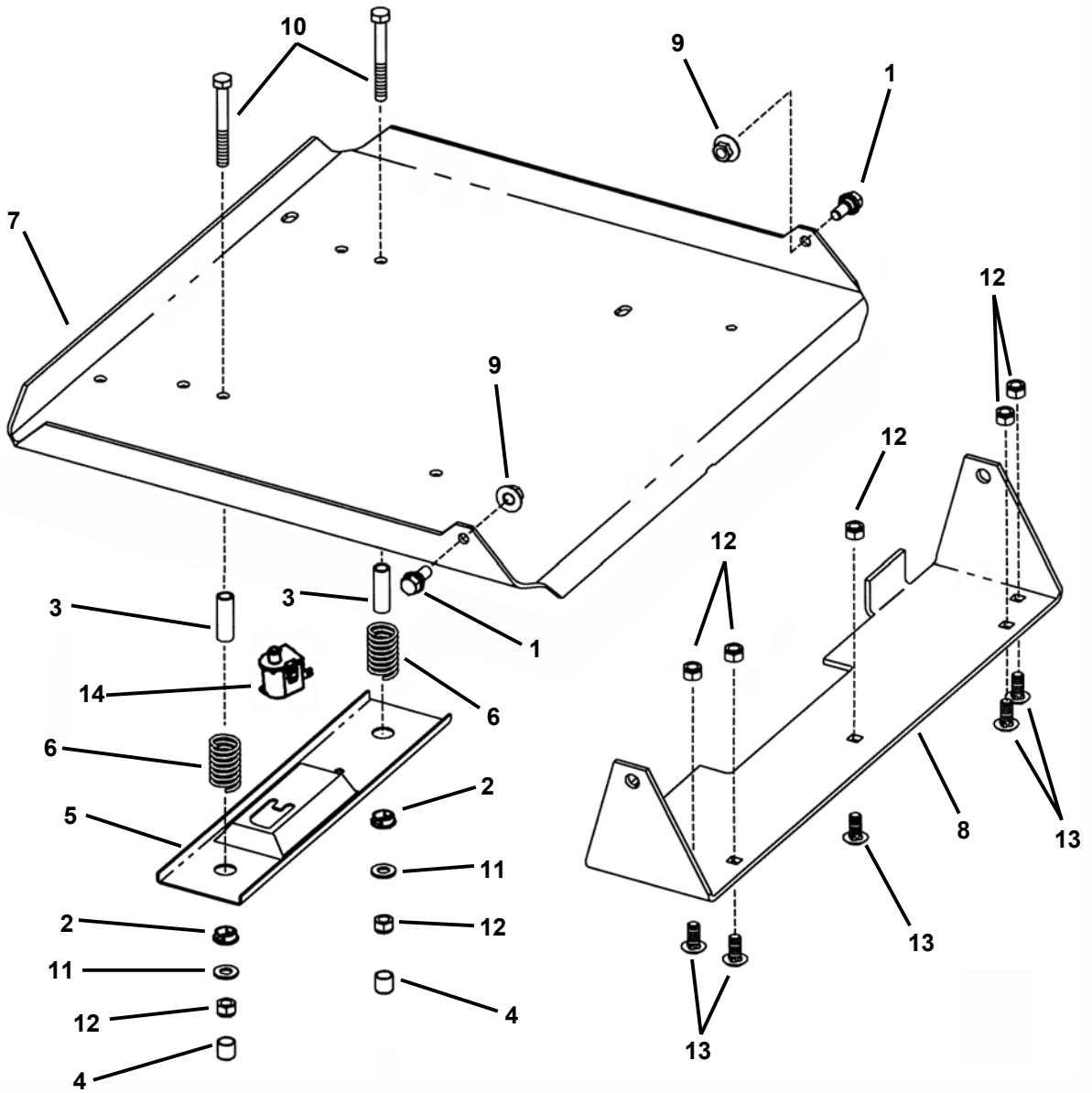
PARKING BRAKE ASSEMBLY



PARKING BRAKE ASSEMBLY

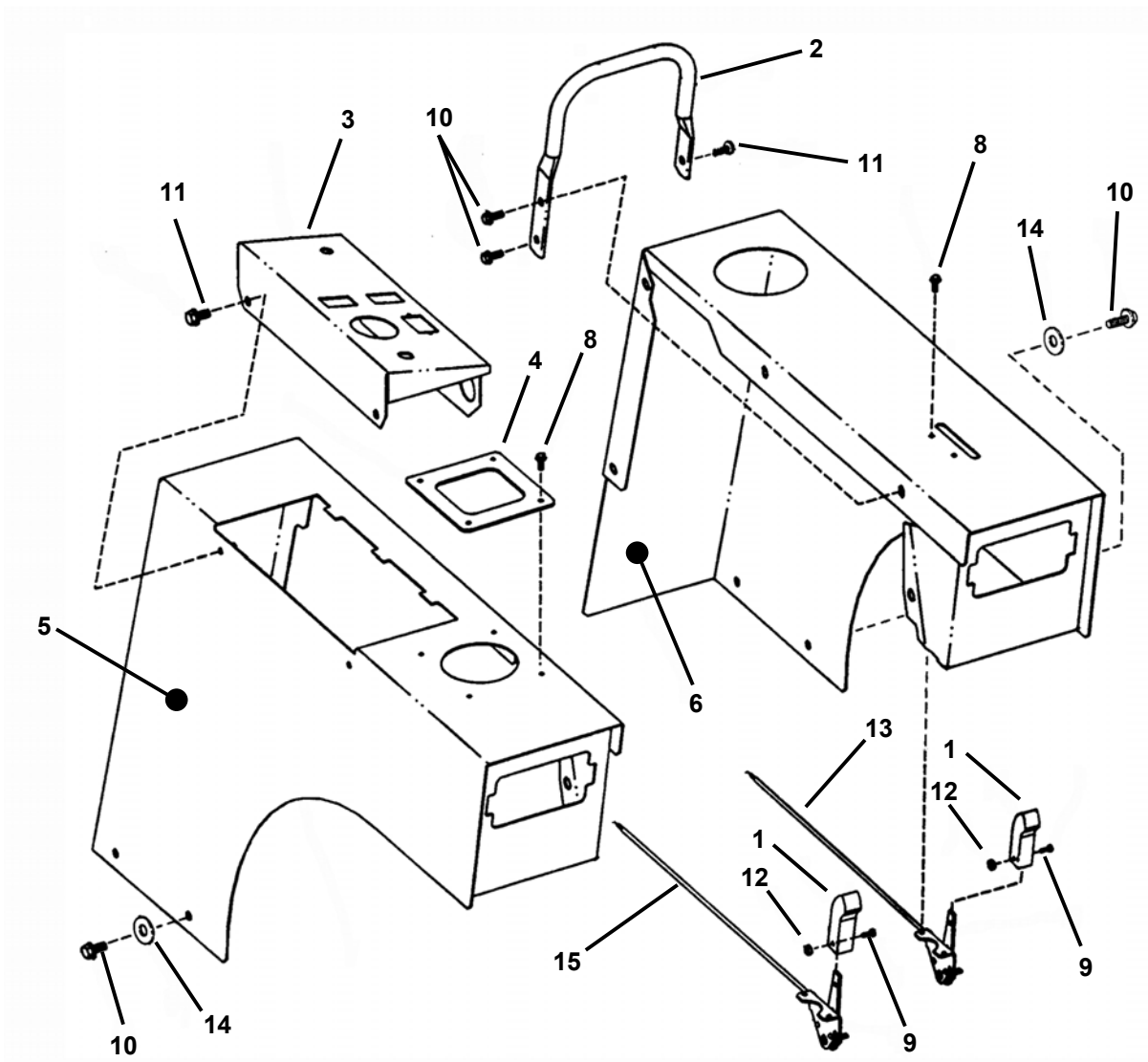
ITEM	PART NO.	DESCRIPTION
1	1-2068	RING, Rear Lift Arm (Blue)
2	7-2222	GRIP, Round Bar (23 HP Gas Engine)
3	4-6451	SWIVEL, Adjustable
4	3-4453	WASHER, 3/4 I.D. x 1-1/2 O.D. x 9/64" Flat
5	4-6456	ARM, Brake Lift
6	3-5888	ROD, Hydrostatic Brake (2)
7	3-6399	SLEEVE Bearing, 1/2 I.D. x 5/8 (2)
8	5-8729	WELDMENT, Parking Brake Arm
9	4-2635	WELDMENT, Brake Shaft
10	4-2647	WELDMENT, Joystick Lockout Bracket
11	4-2648	WELDMENT, Support Plate
12	9-1597	COTTER PIN, 3/32 x 3/4" (6)
13	9-0122	WASHER, 3/8" Flat (3)
14	9-1523	SCREW, 5/16-18 x 5/8" Hex Washer Face Self-Tap (3)
15	9-1605	NUT, 1/4-28 Hex, Grade 5 or B (2)
16	9-1809	COTTER PIN, 1/8 x 1-1/4
17	1-4001	PIN, Roll 1/8 x 3/4"
18	9-1812	NUT, 1/4-28 Hex Nyloc (2)
19	9-1832	SWIVEL, 1/4" Smooth (2)
20	9-0692	WASHER, 3/8" I.D. x 7/8" O.D. Flat

SEAT SUPPORT ASSEMBLY



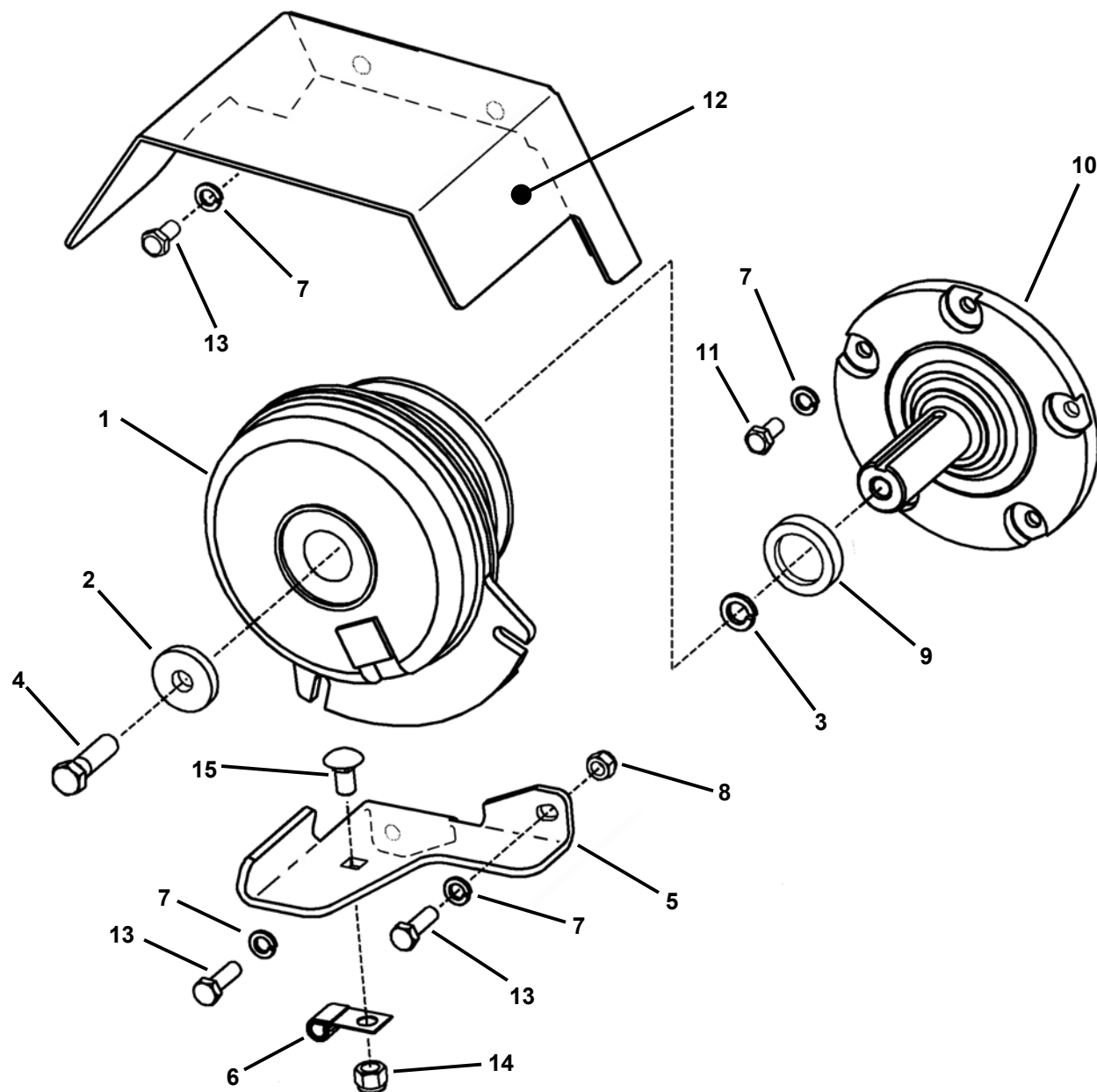
ITEM	PART NO.	DESCRIPTION
1	1-5761	BOLT, 5/16-18 Shoulder (2)
2	2-2793	BUSHING, Molded Seat, 1/2 I.D., 5/8" O.D. (2)
3	2-2794	SPACER, .31 I.D., 1-3/8" Long (2)
4	2-3606	CAP, Vinyl, 1/4 I.D. x 1/5 O.D. (2)
5	3-3362	HOLDER, Seat Switch
6	9-2007	SPRING (2)
7	7-2015	PLATE, Seat Mount
8	7-2034	BRACKET, Seat Hinge
9	9-0951	NUT, 5/16-18 Hex Large Flange Center Lock (2)
10	9-1046	SCREW, 5/16-18 x 2-1/2" Hex Head Cap, Grade 5 (2)
11	9-0188	WASHER, 5/16" Flat (2)
12	9-1298	NUT, 5/16-18 Hex Nyloc (7)
13	9-1508	BOLT, 5/16-18 x 3/4 Short Neck. Carriage, Grade 5 (5)
14	1-5707	SWITCH, Seat (Normally Open)

FENDER ASSEMBLY



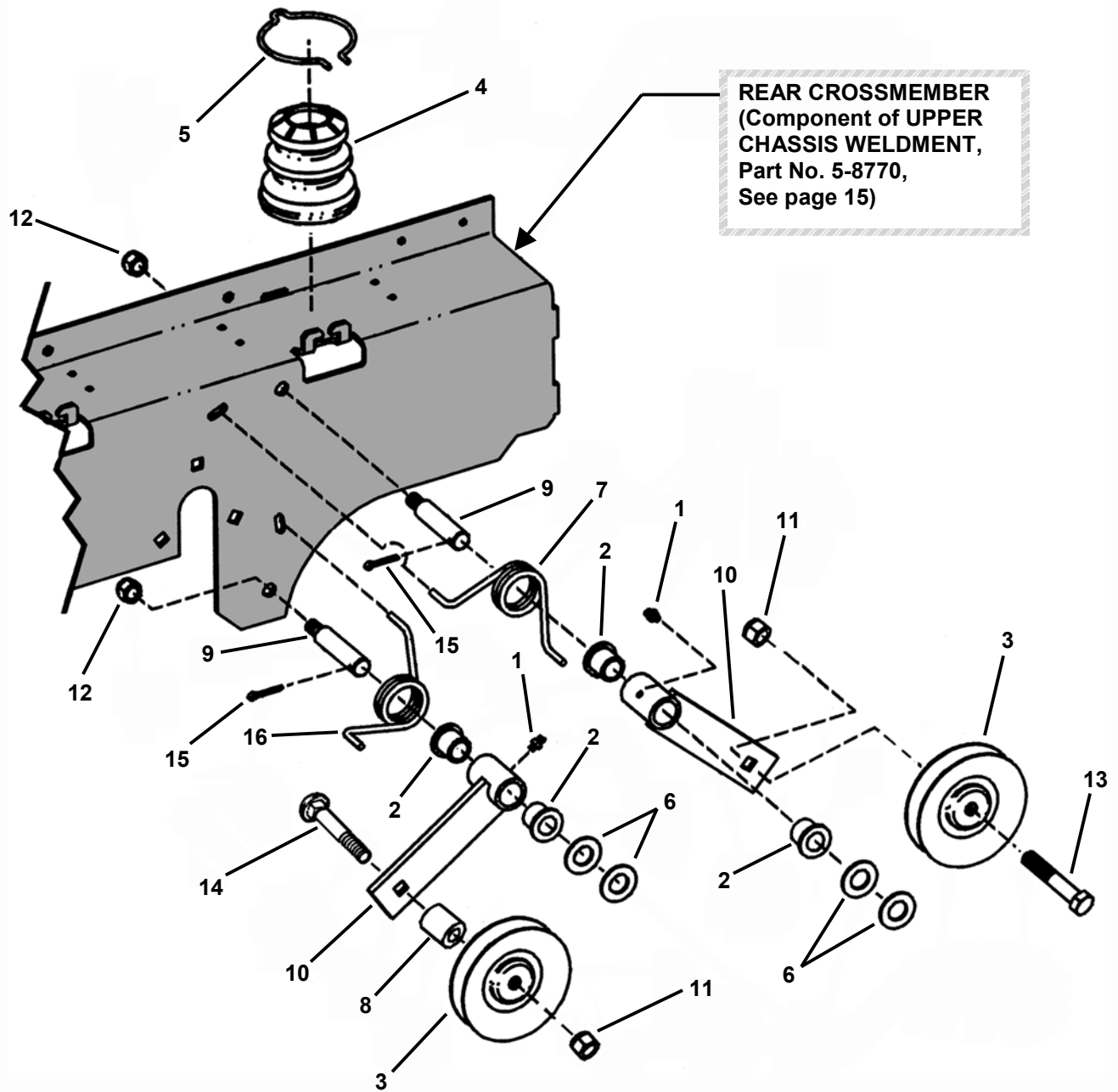
ITEM	PART NO.	DESCRIPTION
1	2-3655	LEVER, Throttle Control
2	3-5548	HANDLE, 5/8" Tubing
3A	4-1909	PANEL, Instrument (21 HP Diesel Engine)
3B	7-2192	PANEL, Instrument (23 HP Gas Engine)
4	3-5940	PLATE, Joystick Control
5	4-2642	FENDER, Right Hand
6	4-4933	FENDER, Left Hand (21 HP Diesel Engine)
--	4-2643	FENDER, Left Hand (23 HP Gas Engine)
7	2-4649	WIRE Tie, 11" (Not Shown)
8	9-0913	SCREW, #10-24 x 1/2" Hex Self-Tapping (6)
9	9-1017	SCREW, #8-32 x 3/8" Machine
10	9-1523	SCREW, 5/16-18 x 5/8" Hex Self-Tapping (15)
11	9-1906	SCREW, 1/4-20 x 3/4" Hex Flange Lock (3)
12	9-1018	NUT, #8-32 Hex
13	4-5213	CONTROL, Engine Speed (21 HP Diesel Engine)
--	7-1988	CONTROL, Engine Speed (23 HP Gas Engine)
14	9-1130	WASHER, 5/16" I.D. Flat (13)
15	7-2054	CONTROL, Choke (23 HP Gas Engine)
--	7-1989	CABLE, Engine Speed (23 HP Gas Engine) (Not Shown)

REAR PTO ASSEMBLY



ITEM	PART NO.	DESCRIPTION
1	5-8925	ELECTRIC CLUTCH
2	9-1807	SPACER, Clutch
3	9-1301	WASHER, 7/16 Split Lock
4	9-1763	SCREW, 7/16-20 x 1-1/2" Hex Head Cap, Grade 5
5	4-5253	BRACKET, Clutch Torque
6	3-5638	J-CLIP, 3/8" Open Cushioned
7	9-1315	WASHER, .32 Split Lock (9)
8	7-6975	NUT, M8-1.25 Hex Nyloc (2)
9	4-5232	SPACER, Clutch
10	4-5231	SHAFT, PTO
11	9-1925	SCREW, M8-1.25 x 16mm Hex Head Cap (5)
12	4-5293	BRACKET, Clutch Guard
13	9-1933	SCREW, M8-1.25 x 25mm Hex Head Cap (4)
14	9-1299	NUT, 3/8-16 Hex Nyloc
15	9-1923	BOLT, 3/8-16 x 3/4" Square neck Carriage

TRACTION DRIVE IDLER ASSEMBLY

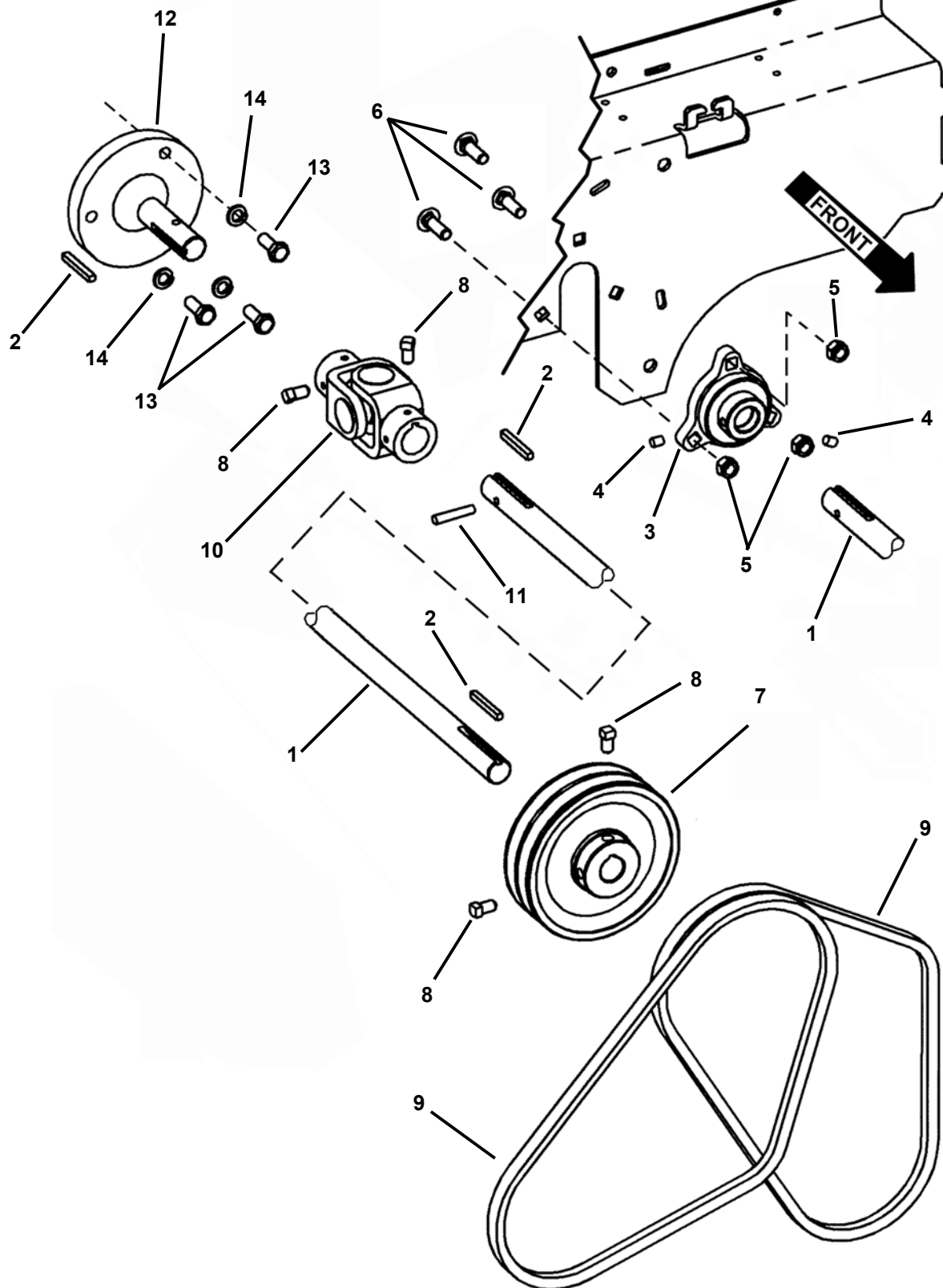


ITEM	PART NO.	DESCRIPTION
1	1-3324	FITTING, 3/16 Lube (2)
2	1-4409	BUSHING, 9/16 I.D., 3/4" O.D. (4)
3	1-8573	PULLEY, Idler 3.48 O.D. (2)
4	1-9109	COVER, Spring (Rubber) (2)
5	1-9348	CLIP, Seat Cushion (2)
6	9-1804	WASHER, 9/16 Flat (4)
7	3-5713	SPRING, Torsion
8	3-5812	SPACER, 3/8 I.D. 5/8 O.D. x 5/8" Long
9	3-5816	PIN, 3/8-24 (2)

ITEM	PART NO.	DESCRIPTION
10	4-2622	IDLER ARM (Weldment) (2)
11	9-1299	NUT, 3/8-16 Hex Nyloc (2)
12	9-1518	NUT, 3/8-24 Hex Nyloc (2)
13	9-1553	SCREW, 3/8-16 x 1-3/4" Hex Head Cap, Grade 5
14	9-0990	BOLT, 3/8-16 x 2" Square Neck Carriage, Grade 2
15	9-1598	COTTER PIN, 1/8 x 3/4" (2)
16	3-6562	SPRING, Torsion

FRONT DRIVE SHAFT ASSEMBLY

NOTE: REAR CROSSMEMBER
(COMPONENT OF UPPER CHASSIS WELDMENT,
PART No. 5-8770);
SHOWN HERE ONLY FOR LOCATION
OF FRONT DRIVE SHAFT COMPONENTS.

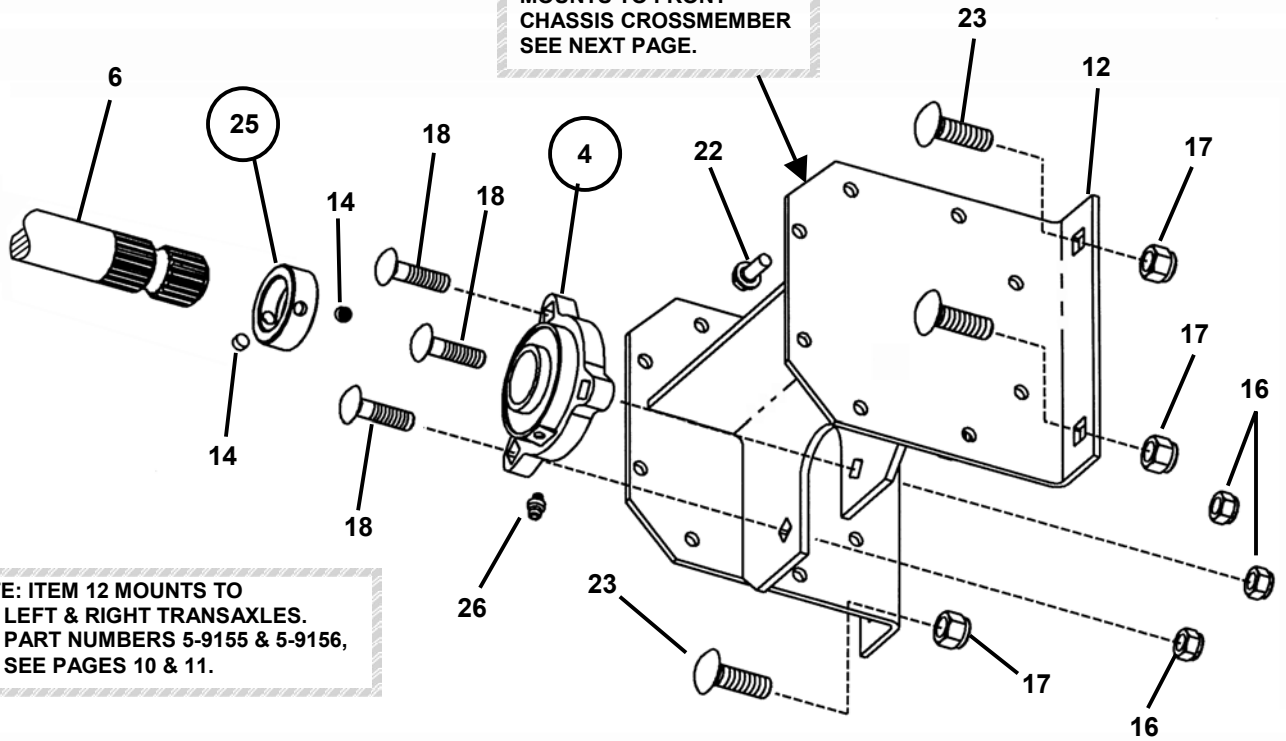


FRONT DRIVE SHAFT ASSEMBLY

ITEM	PART NO.	DESCRIPTION
1	7-3566	PTO SHAFT, 3/4" Dia. x 16" Long
2	9-1803	KEY, 3/16 Square x 1-1/2" Long (3)
3	5-4655	ASSEMBLY, Bearing/Lock Collar (Includes two of item 4)
4	9-0471	SET-SCREW, 1/4-20 x 5/16" Socket-Head (2)
5	9-1298	NUT, 5/16-18 Hex Nyloc (3)
6	9-1714	BOLT, 5/16-18 x 1" Round Head Square Neck, Grade 5 (3)
7	3-5564	PULLEY, Cast Iron Dual V, 49.5 Effective O.D.
8	9-0848	SET-SCREW, 5/16-18 x 1/2", Square-Head Cup Point (4)
9	3-5544	BELT, 36-1/2" (2) (Upper Drive Shaft to Hydro Pump)
10	5-8946	COUPLING, Universal (Weasler p/n M-20094)
11	9-2056	GROOVE PIN, 7/32 x 1-1/4"
12	7-3529	ADAPTER, Engine/U-Joint
13	9-1953	SCREW, M8-1.25 x 20 Hex Head Cap (3)
14	9-1315	WASHER, .32 I.D. Split Lock (3)

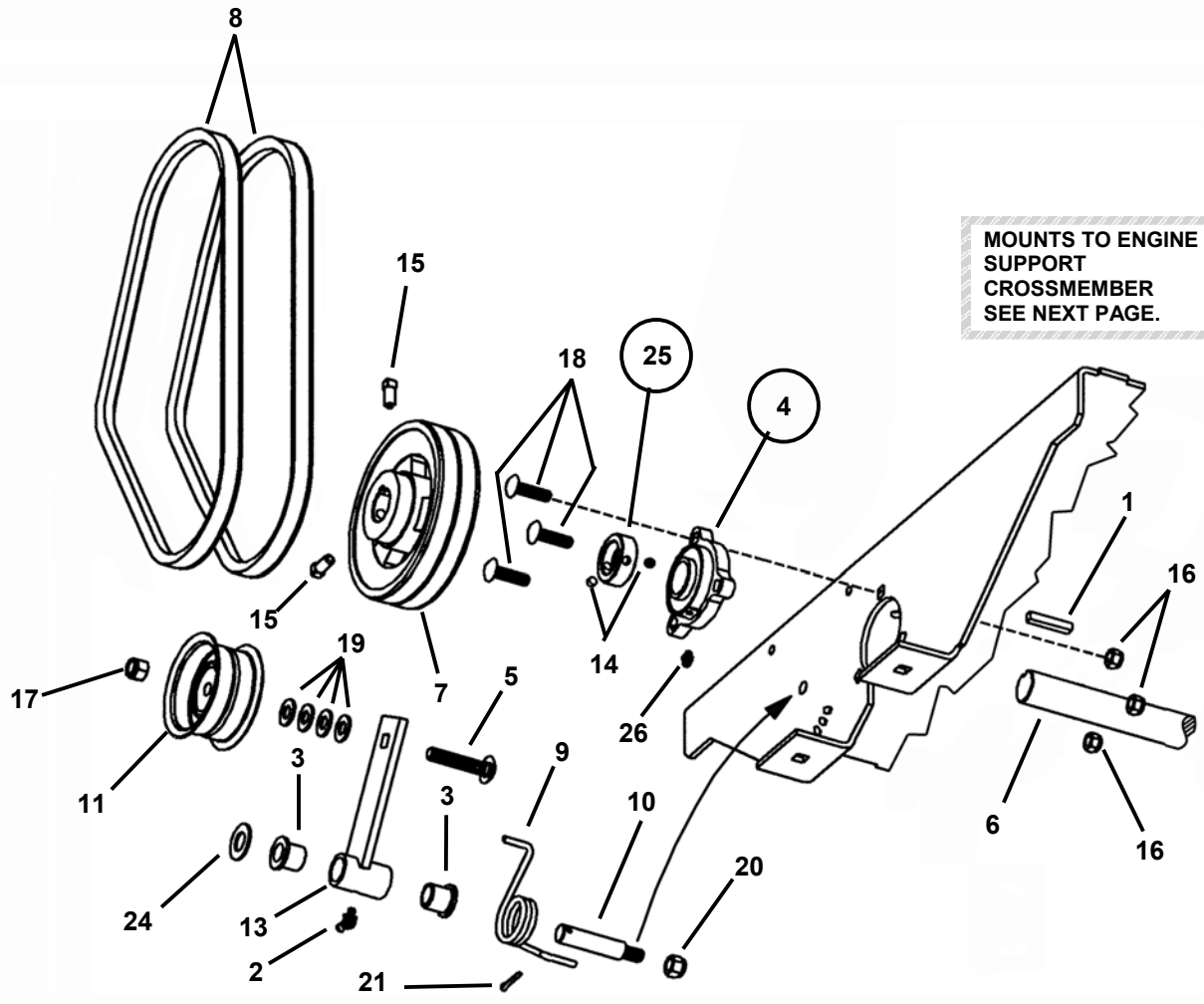
DECK DRIVESHAFT ASSEMBLY

MOUNTS TO FRONT CHASSIS CROSSMEMBER SEE NEXT PAGE.

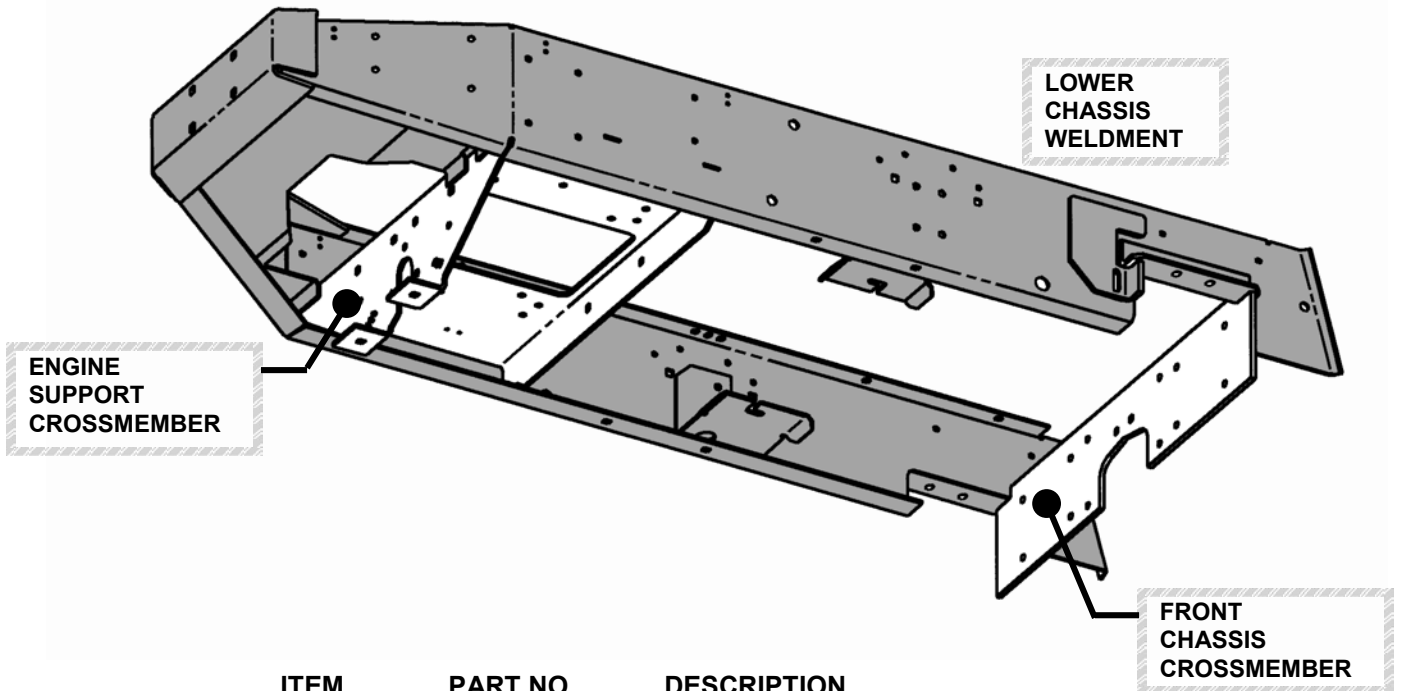


NOTE: ITEM 12 MOUNTS TO LEFT & RIGHT TRANSAXLES. PART NUMBERS 5-9155 & 5-9156, SEE PAGES 10 & 11.

MOUNTS TO ENGINE SUPPORT CROSSMEMBER SEE NEXT PAGE.

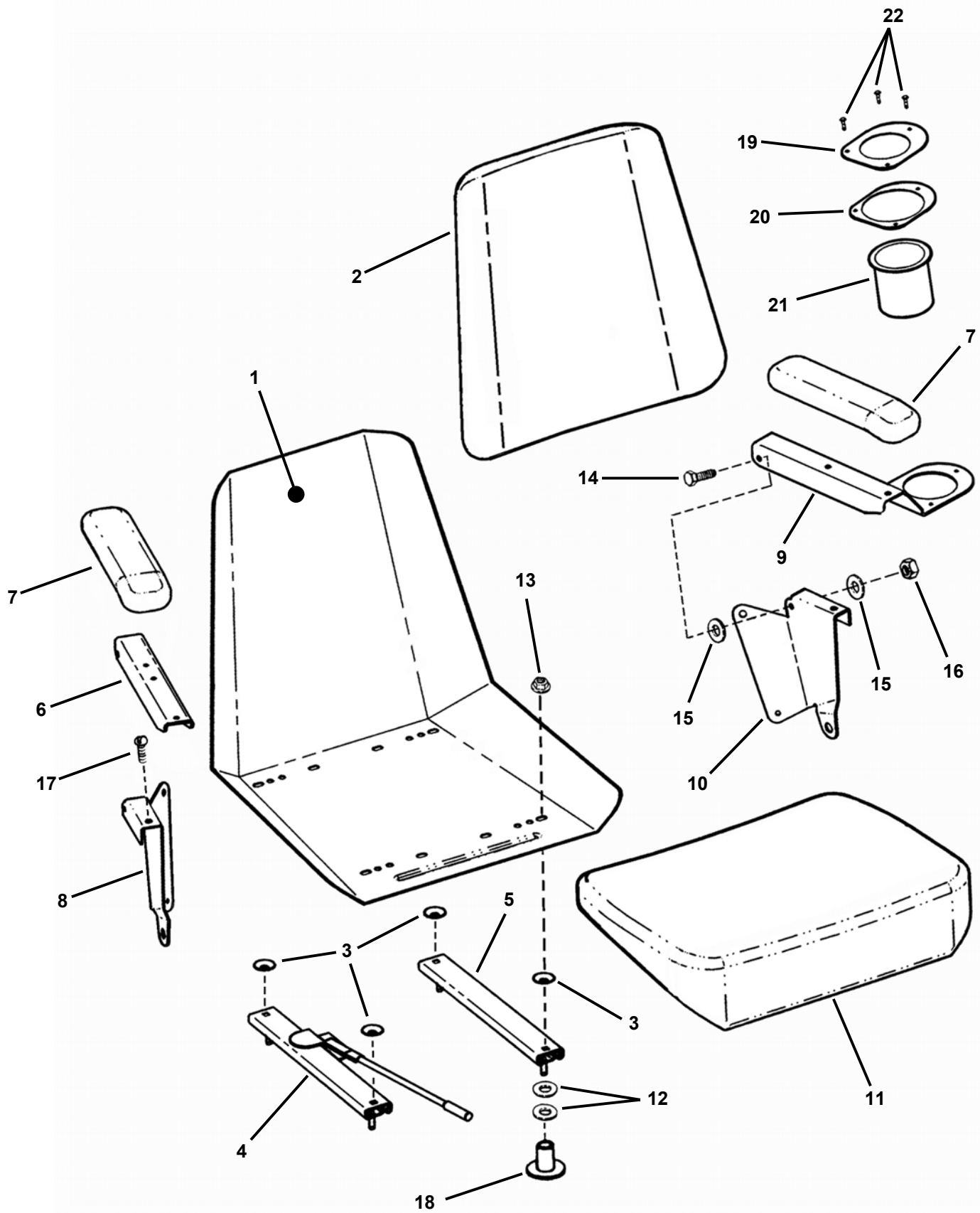


DECK DRIVESHAFT ASSEMBLY



ITEM	PART NO.	DESCRIPTION
1	1-2315	KEY, 1/4" Square x 2"
2	1-3324	FITTING, Lube (45 degree, for 3/16" hole)
3	1-4409	BUSHING (2)
4	5-4658	ASSEMBLY, Bearing, (includes items 25 & 26) (2)
5	9-0990	BOLT, 3/8-16 x 2" Carriage, Grade 2
6	4-5234	DRIVE SHAFT, Deck (1" Diameter, 15 Spline)
7	3-5531	PULLEY, Double V (5.45 O.D., A Section)
8	4-1830	BELT, Deck Drive (AX 37.25" Eff. Length) (2)
9	3-5713	SPRING, Tension
10	3-5816	PIN, 3/8-24 UNF
11	3-5867	FLAT IDLER, 2.75 O.D. x 1-1/4" Wide
12	4-5229	WELDMENT, Bearing Mount
13	4-2622	IDLER ARM, Straight (Weldment)
14	9-0776	SET SCREW, 1/4-20 x 1/4" Cone Point (2)
15	9-1802	SET SCREW, 5/16-18 x 5/8 Knurled Cup Point (2)
16	9-1298	NUT, 5/16-18 Hex Nyloc (6)
17	9-1299	NUT, 3/8-16 Hex Nyloc (5)
18	9-1928	BOLT, 5/16-18 x 1-1/4", Square Neck Carriage Grade 5 (6)
19	9-0122	WASHER, 3/8" Flat (4)
20	9-1518	NUT, 3/8-24 Hex Nyloc
21	9-1598	COTTER-PIN, 1/8 x 3/4"
22	9-1787	SCREW, 1/4-20 x 5/8", Hex Flange Lock, Grade 5 (16)
23	2-7181	BOLT, 3/8-16 x 1-1/4" Carriage, Grade 5 (4)
24	9-1804	WASHER, 9/16 Flat
25	1-4265	ASSEMBLY, Lock Collar, 1" (with 1/4" Set Screw, item 14)
26	1-3864	FITTING, Lube

SEAT ASSEMBLY (5-4117)



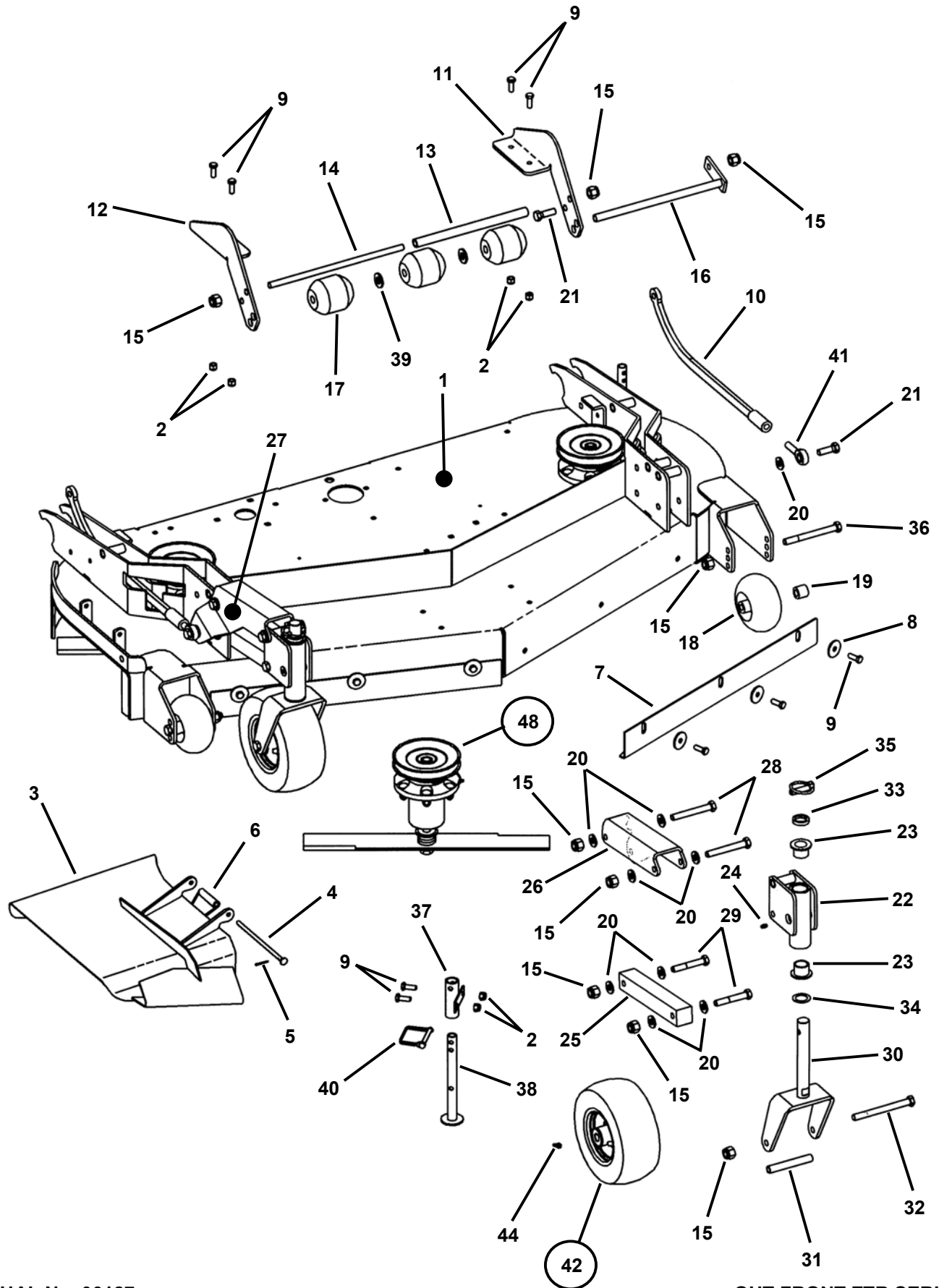
SEAT ASSEMBLY (5-4117)

ITEM	PART NO.	DESCRIPTION
1*	--	PAN, Seat
2	3-6477	SEAT CUSHION, Back
3	3-6486	SPACER, Bell (4)
4	3-6484	SLIDE ADJUSTER, Seat (w/lock)
5	3-6485	SLIDE ADJUSTER, Seat (w/o lock)
6	3-6478	CHANNEL, Armrest
7	3-6479	PAD, Armrest (2)
8	3-5567	BRACKET RH, Armrest
9	4-4904	BRACKET, Armrest Cup Holder
10	3-5568	BRACKET LH, Armrest
11	3-6476	SEAT CUSHION, Bottom
12	9-1296	WASHER, 11/32" (8)
13	9-1601	NUT, 5/16-18 Hex Flange Lock, Grade 5 (6)
14	2-7174	SCREW, 5/16-18 x 2" Hex Head Cap, Grade 5 (2)
15	3-5797	WASHER, 3/8: I.D. Poly (4)
16	9-1067	NUT, 5/16-18 Hex Head Centerlock, Grade B (2)
17	9-0683	SCREW, 5/16-18 x 1" Slotted Pan Head
18*	--	STUD GUARD (4)
19	4-4903	COVER, Cupholder
20	4-4902	SPACER, Cupholder
21	4-2968	HOLDER, Beverage
22	9-1919	RIVET, 3/16 Pan Head (3)

***NOTE: Not a part sales item.**

52" MOWER DECK COMPONENTS

(page 1 of 4)



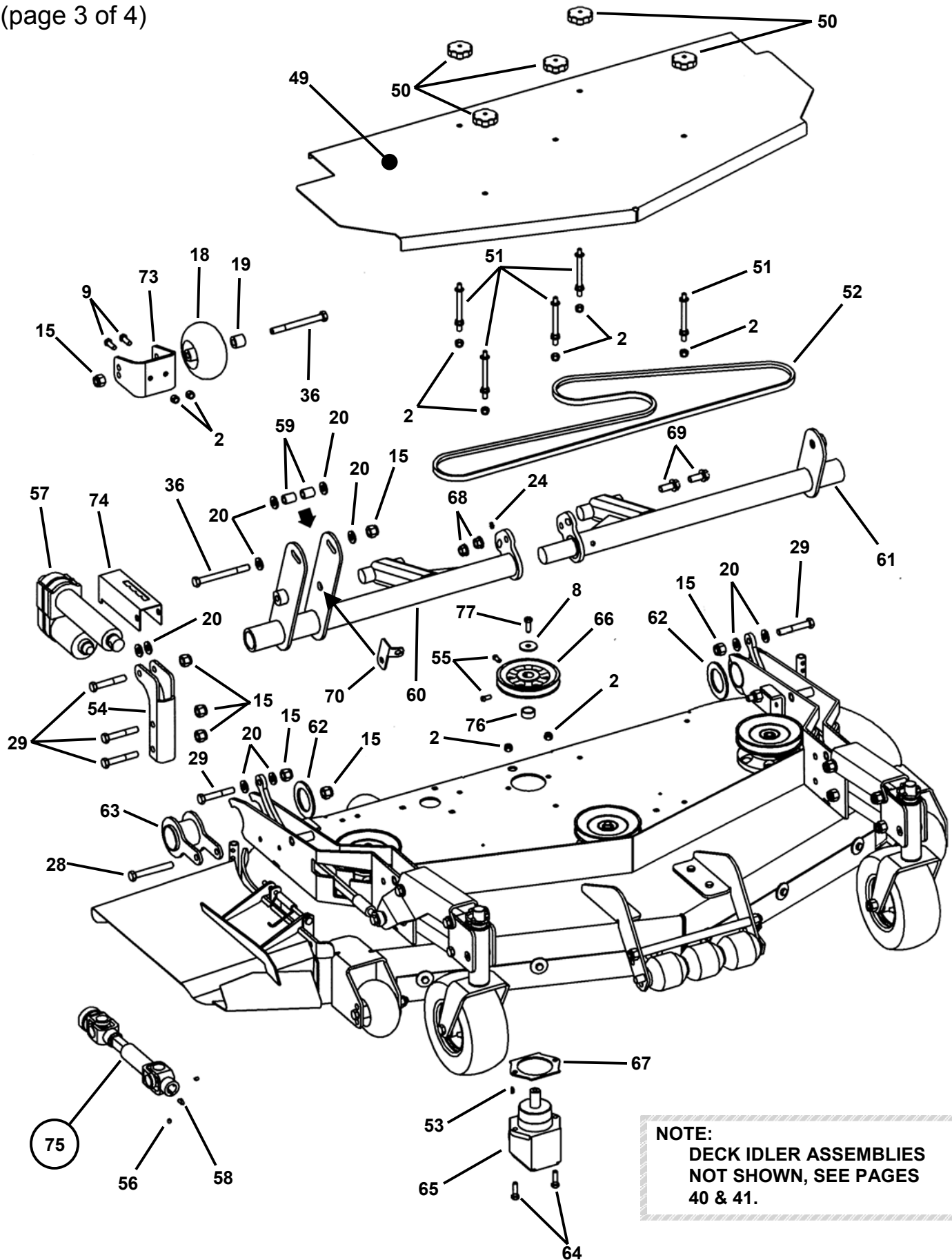
52" MOWER DECK COMPONENTS

(page 2 of 4)

ITEM	PART NO.	DESCRIPTION
1	4-2898	WELDMENT, 52" Deck- Adjustable Height
2	9-1299	NUT, 3/8-16 Hex Nyloc (23)
3	4-2903	DEFLECTOR, Chute 52" (Weldment)
4	2-9277	PIN, Chute Hinge
5	9-1313	PIN, 3/32 x 1" Cotter
6	2-7950	SPRING, Chute
7	4-2914	BAFFLE, Front (2)
8	9-1331	WASHER, 13/32 x 1-1/2" Flat (8)
9	9-1304	SCREW, 3/8-16 x 1" Hex Head Cap, Grade 5 (21)
10	4-6495	LINK, Height of Cut (2)
11	3-6459	MOUNT, Roller Left Hand
12	3-6458	MOUNT, Roller Right Hand
13	3-6460	TUBE, Roller
14	3-6461	PIN, Roller
15	9-1325	NUT, 1/2-13 Hex Nyloc (19)
16	2-7327	WELDMENT, Shaft
17	7-9226	ROLLER, Low Density Polyethylene (3)
18	2-9264	WHEEL, Gage (4)
19	3-6456	SPACER, Gage Wheel (4)
20	9-1587	WASHER, 1/2" Flat (26)
21	9-1884	SCREW, 1/2-13 x 1-1/2" Hex Head Cap, Grade 2 (3)
22	4-2652	TUBE, Caster (Weldment) (2)
23	2-3556	BUSHING, Caster (4)
24	7-6998	FITTING, Lube 1/4-28 Straight (4)
25	3-6444	ARM, Lower Caster (2)
26	4-2655	ARM, Caster Support Left Hand
27	4-2653	ARM, Caster Support Right Hand
28	2-9355	BOLT, 1/2-13 x 3-3/4" Hex Head Cap, Grade 5 (6)
29	9-1821	BOLT, 1/2-13 x 3" Hex Head (9)
30	4-2780	WELDMENT, Caster (2)
31	2-2151	SLEEVE, Axle (2)
32	9-1326	SCREW, 1/2-13 x 5-1/2" Hex Head Cap, Grade 5 (2)
33	2-1960	SPACER, Powdered Metal (2)
34	2-3747	BUSHING, Machine (2)
35	1-7711	PIN, 7/16" HD Lynch (2)
36	9-1822	BOLT, 1/2-13 x 5" Hex Head Cap, Grade 5 (5)
37	4-2657	TUBE, Jack Stand (Weldment) (2)
38	4-2658	WELDMENT, Jack Stand (2)
39	2-7344	WASHER, 5/8" Flat (2)
40	9-1824	PIN, 5/16" Lynch (2)
41	3-6465	BALLJOINT, 1/2-20 (2)
42	5-9065	ASSEMBLY, Wheel/Tire (2) (Includes items 43 Thru 47)
43	4-6540	TIRE, Carefree 4.10-4
44	4-6430	FITTING, Grease 1/4"
45	4-6541	RIM, Steel (White) 1-3/8" Bore w/o Air Valve
46	2-2395	BEARING, Roller
47	2-2394	BEARING, Flanged (2)
48	5-4477	GROUP, Spindle (3) (See Page 44 & 45 for parts breakdown)

52" MOWER DECK COMPONENTS

(page 3 of 4)

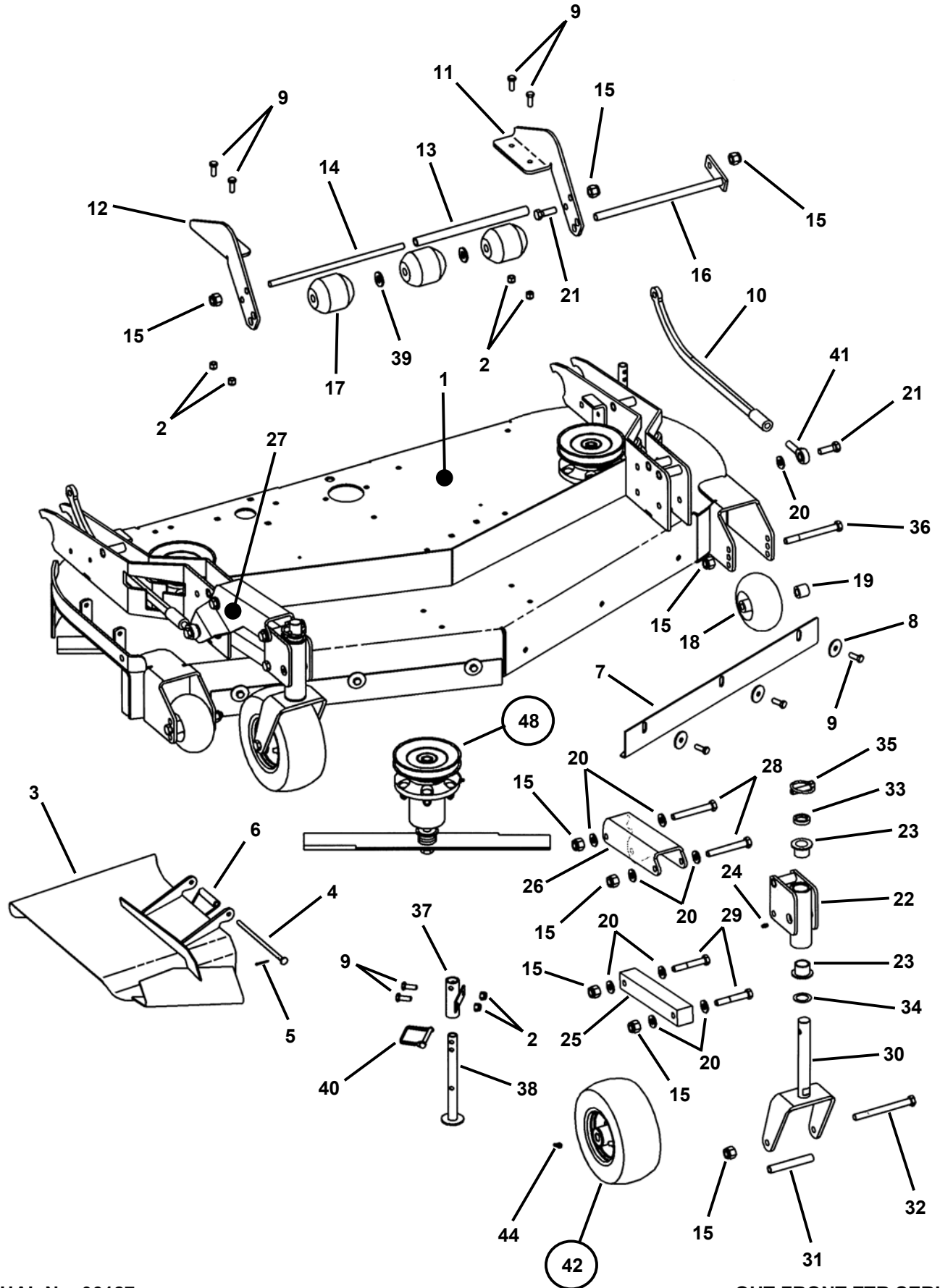


52" MOWER DECK COMPONENTS (page 4 of 4)

ITEM	PART NO.	DESCRIPTION
49	4-6728	COVER, 52" Deck
50	2-3735	KNOB, 5/16-18 Thread (5)
51	2-9303	STANDOFF, 3-1/2" (5)
52	4-2776	V-BELT, 52" Deck (122") HB
53	1-0008	KEY, #6 Woodruff
54	3-6447	MOUNT, Motor (Front)
55	9-1802	SCREW, 5/16-18 x 5/8" Square Head Set w/locking patch (2)
56	9-0132	SCREW, 3/8-16 x 3/8" Hex Recess Set (2)
57	3-6448	SCREWJACK, Warner Electric 1000 lbs.
58	1-0211	KEY, #9 Woodruff
59	3-6453	SPACER, Motor, Rear (2)
60	4-2900	MAIN LINK (Weldment)
61	4-2901	MAIN LINK (Weldment) Left Hand
62	3-6452	SPACER, Tube (2)
63	4-2660	HOLDER, Pivot (Weldment) (2)
64	9-1328	SCREW, 3/8-16 x 1-1/4" Hex Head Cap, Grade 5 (2)
65	5-8342	GEARBOX, Right Angle (Peerless P/N 1000-52)
66	4-2867	PULLEY, Cast 5.75" Outside Diameter
67	3-6455	SHIM, Gearbox
68	9-1544	NUT, 1/2-13 Hex Flange Lock, Grade 5 (2)
69	9-1323	BOLT, 1/2-13 x 1-1/4" Hex Flange Lock, Grade 5 (2)
70	3-6450	BRACKET, Strain Relief
71	3-5779	RELIEF, Strain (see page 48)
72	4-2834	HARNESS, Deck Lift (see page 50)
73	3-6457	BRACKET, Gage Wheel (2)
74	3-6454	INDICATOR, Height-of-Cut (2)
75	5-4104	ASSEMBLY, Telescoping Drive Shaft (includes two set screws, p/n 9-0201 and one 1/4-28 grease fitting, p/n 1-2700)
76	3-5668	SPACER
77	9-0160	SCREW, 3/8-24 x 1", Hex Head Cap Grade 5
78	2-6107	GREASE, Multi-Purpose
79	6-1865	BAG, Hardware for Drive Shaft (see page 3)

61" MOWER DECK COMPONENTS

(page 1 of 4)



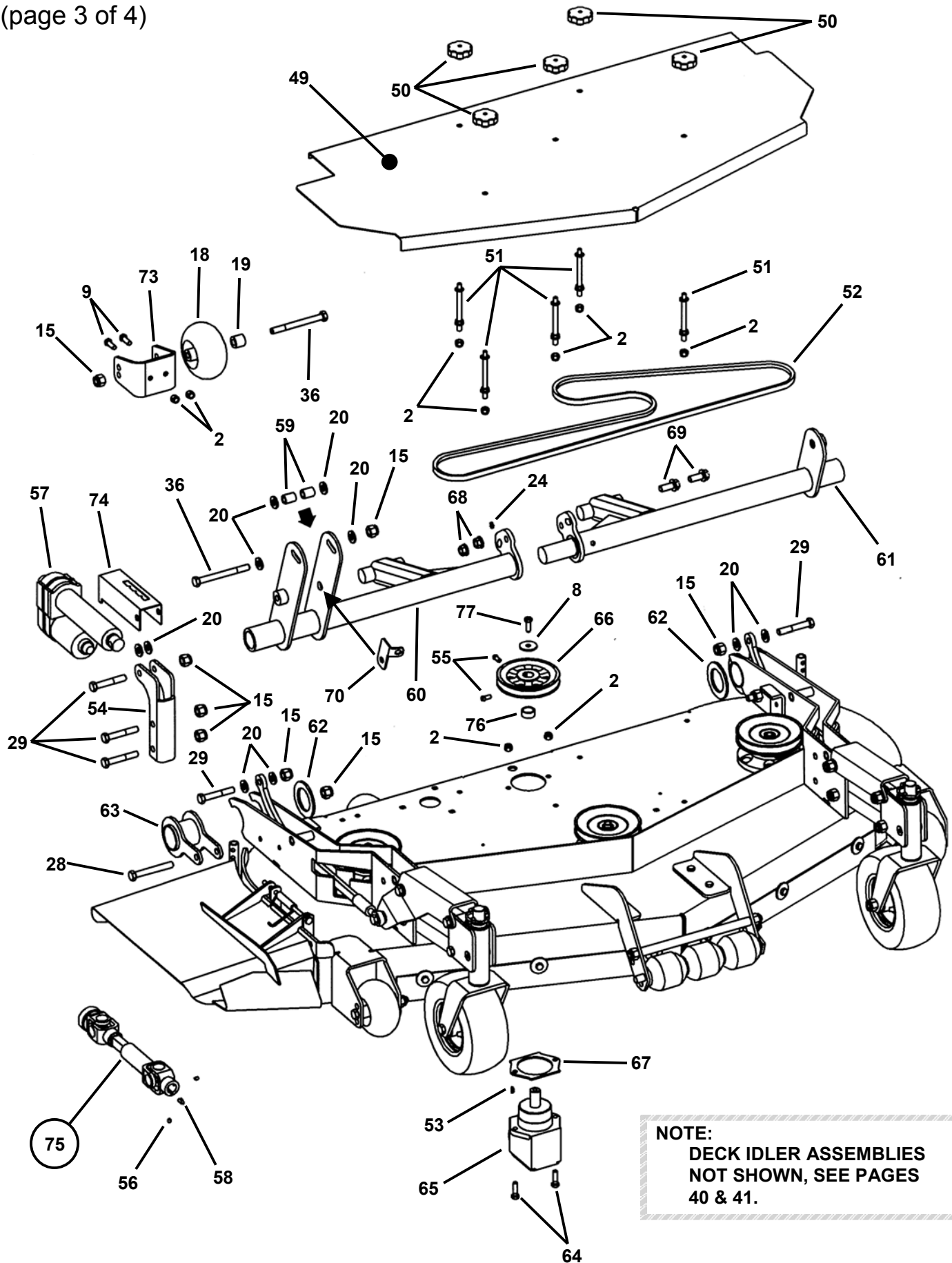
61" MOWER DECK COMPONENTS

(page 2 of 4)

ITEM	PART NO.	DESCRIPTION
1	4-2651	WELDMENT, 61" Deck- Adjustable Height
2	9-1299	NUT, 3/8-16 Hex Nyloc (14)
3	4-2656	DEFLECTOR, Chute 61" (Weldment)
4	2-9277	PIN, Chute Hinge
5	9-1313	PIN, 3/32 x 1" Cotter
6	2-7950	SPRING, Chute
7	3-6445	BAFFLE, Front (2)
8	9-1331	WASHER, 13/32 x 1-1/2" Flat (7)
9	9-1304	SCREW, 3/8-16 x 1" Hex Head Cap, Grade 5 (18)
10	4-6495	LINK, Height of Cut (2)
11	3-6459	MOUNT, Roller Left Hand
12	3-6458	MOUNT, Roller Right Hand
13	3-6460	TUBE, Roller
14	3-6461	PIN, Roller
15	9-1325	NUT, 1/2-13 Hex Nyloc (25)
16	2-7327	WELDMENT, Shaft
17	7-9226	ROLLER, Low Density Polyethylene (3)
18	2-9264	WHEEL, Gage (4)
19	3-6456	SPACER, Gage Wheel (4)
20	9-1587	WASHER, 1/2" Flat (26)
21	9-1884	SCREW, 1/2-13 x 1-1/2" Hex Head Cap, Grade 2 (3)
22	4-2652	TUBE, Caster (Weldment) (2)
23	2-3556	BUSHING, Caster (4)
24	7-6998	FITTING, Lube 1/4-28 Straight (4)
25	3-6444	ARM, Lower Caster (2)
26	4-2655	ARM, Caster Support Left Hand
27	4-2653	ARM, Caster Support Right Hand
28	2-9355	BOLT, 1/2-13 x 3-3/4" Hex Head Cap, Grade 5 (6)
29	9-1821	BOLT, 1/2-13 x 3" Hex Head (9)
30	4-2780	WELDMENT, Caster (2)
31	2-2151	SLEEVE, Axle (2)
32	9-1326	SCREW, 1/2-13 x 5-1/2" Hex Head Cap, Grade 5 (2)
33	2-1960	SPACER, Powdered Metal (2)
34	2-3747	BUSHING, Machine (2)
35	1-7711	PIN, 7/16" HD Lynch (2)
36	9-1822	BOLT, 1/2-13 x 5" Hex Head Cap, Grade 5 (5)
37	4-2657	TUBE, Jack Stand (Weldment) (2)
38	4-2658	WELDMENT, Jack Stand (2)
39	2-7344	WASHER, 5/8" Flat (2)
40	9-1824	PIN, 5/16" Lynch (2)
41	3-6465	BALLJOINT, 1/2-20 (2)
42	5-9065	ASSEMBLY, Wheel/Tire (2) (Includes items 43 Thru 47)
43	4-6540	TIRE, Carefree 4.10-4
44	4-6430	FITTING, Grease 1/4"
45	4-6541	RIM, Steel (White) 1-3/8" Bore w/o Air Valve
46	2-2395	BEARING, Roller
47	2-2394	BEARING, Flanged (2)
48	5-4353	GROUP, Spindle (3) (See Page 44 & 45 for parts breakdown)

61" MOWER DECK COMPONENTS

(page 3 of 4)



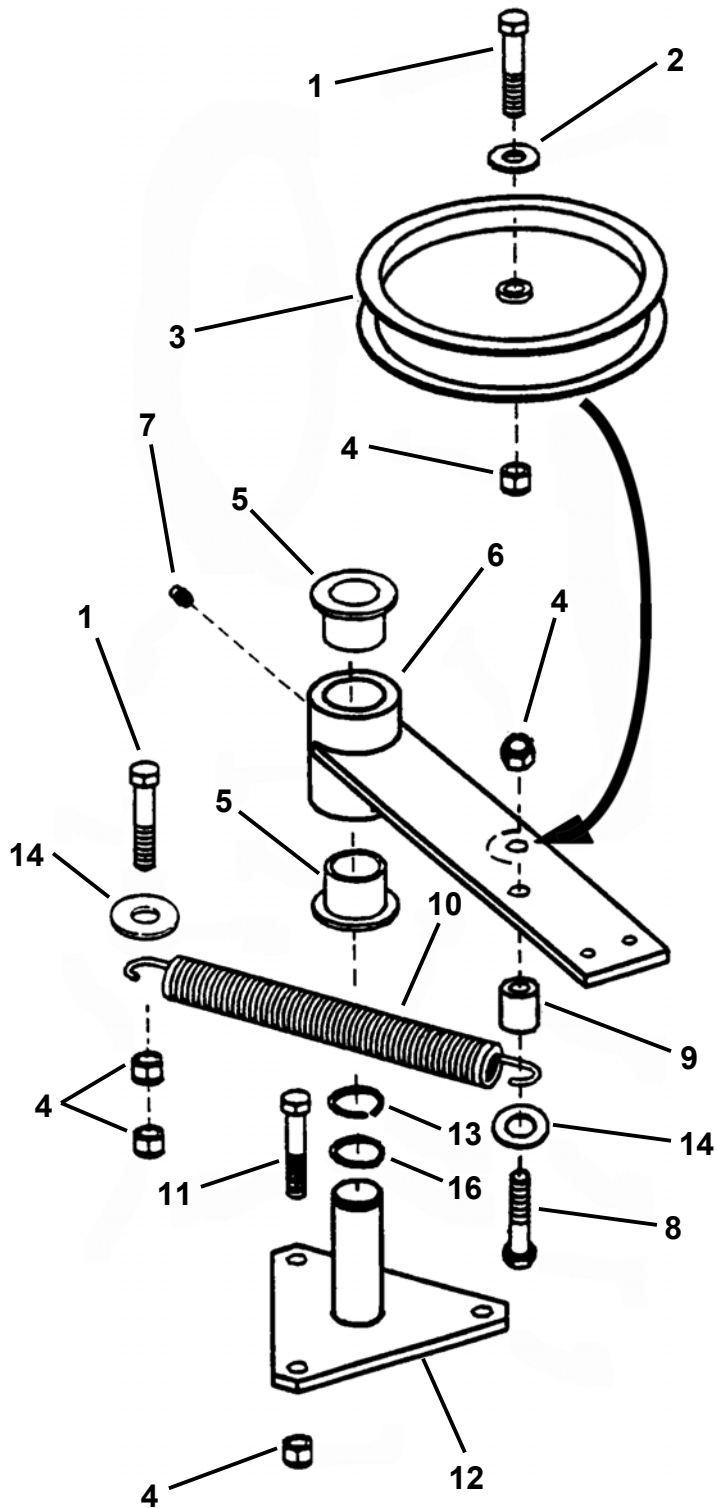
NOTE:
DECK IDLER ASSEMBLIES
NOT SHOWN, SEE PAGES
40 & 41.

61" MOWER DECK COMPONENTS

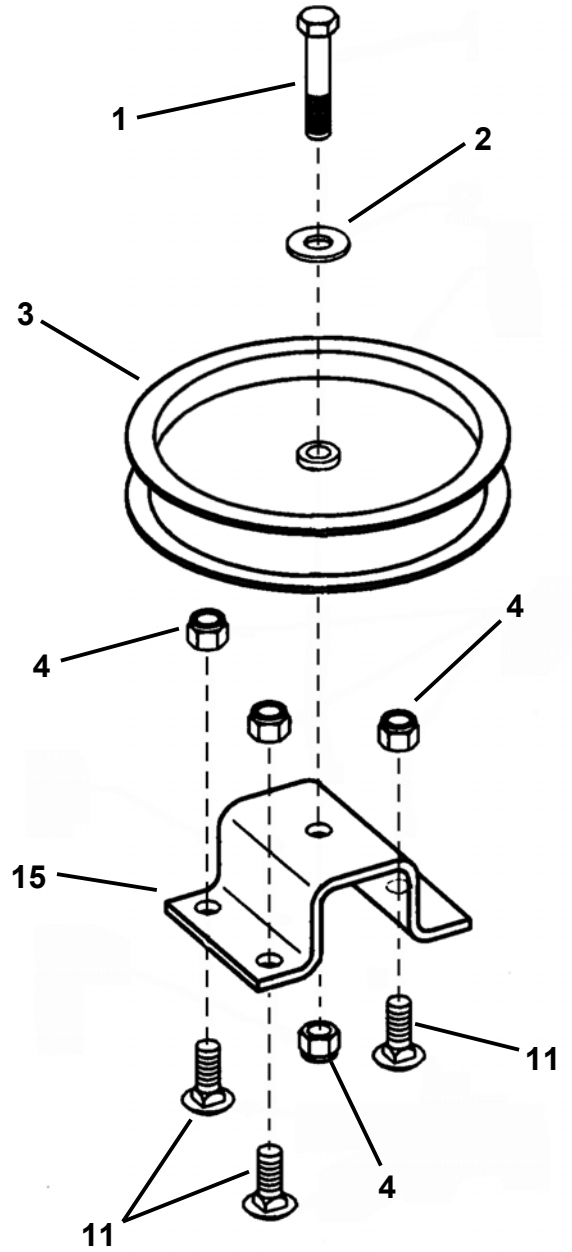
(page 4 of 4)

ITEM	PART NO.	DESCRIPTION
49	4-6729	COVER, 61" Deck
50	2-3735	KNOB, 5/16-18 Thread (4)
51	2-9303	STANDOFF, 3-1/2" (5)
52	3-5542	V-BELT, 61" (134.5") HB
53	9-1823	KEY, 5/32 x 5/8" Woodruff
54	3-6447	MOUNT, Motor (Front)
55	9-1802	SCREW, 5/16-18 x 5/8" Square Head Set w/locking patch (2)
56	9-0132	SCREW, 3/8-16 x 3/8" Hex Recess Set (2)
57	3-6448	SCREWJACK, Warner Electric 1000 lbs.
58	1-0211	KEY, #9 Woodruff
59	3-6453	SPACER, Motor, Rear (2)
60	4-2662	MAIN LINK (Weldment)
61	4-2661	MAIN LINK (Weldment) Left Hand
62	3-6452	SPACER, Tube (2)
63	4-2660	HOLDER, Pivot (Weldment) (2)
64	9-1328	SCREW, 3/8-16 x 1-1/4" Hex Head Cap, Grade 5 (2)
65	5-8342	GEARBOX, Right Angle (Peerless P/N 1000-52)
66	3-5788	PULLEY, Cast 5.45" Outside Diameter
67	3-6455	SHIM, Gearbox
68	9-1544	NUT, 1/2-13 Hex Flange Lock, Grade 5 (2)
69	9-1323	BOLT, 1/2-13 x 1-1/4" Hex Flange Lock, Grade 5 (2)
70	3-6450	BRACKET, Strain Relief
71	3-5779	RELIEF, Strain (see page 48)
72	4-2834	HARNESS, Deck Lift (see page 50)
73	3-6457	BRACKET, Gage Wheel (2)
74	3-6454	INDICATOR, Height-of-Cut (2)
75	5-4104	ASSEMBLY, Telescoping Drive Shaft (includes two set screws, p/n 9-0201 and one 1/4-28 grease fitting, p/n 1-2700)
76	3-5668	SPACER
77	9-0160	SCREW, 3/8-24 x 1", Hex Head Cap, Grade 5
78	2-6107	GREASE, Multi-Purpose
79	6-1865	BAG, Hardware for Drive Shaft (see page 3)

52" & 61" DECK IDLER ASSEMBLIES



SPRING LOADED IDLER ASSEMBLY

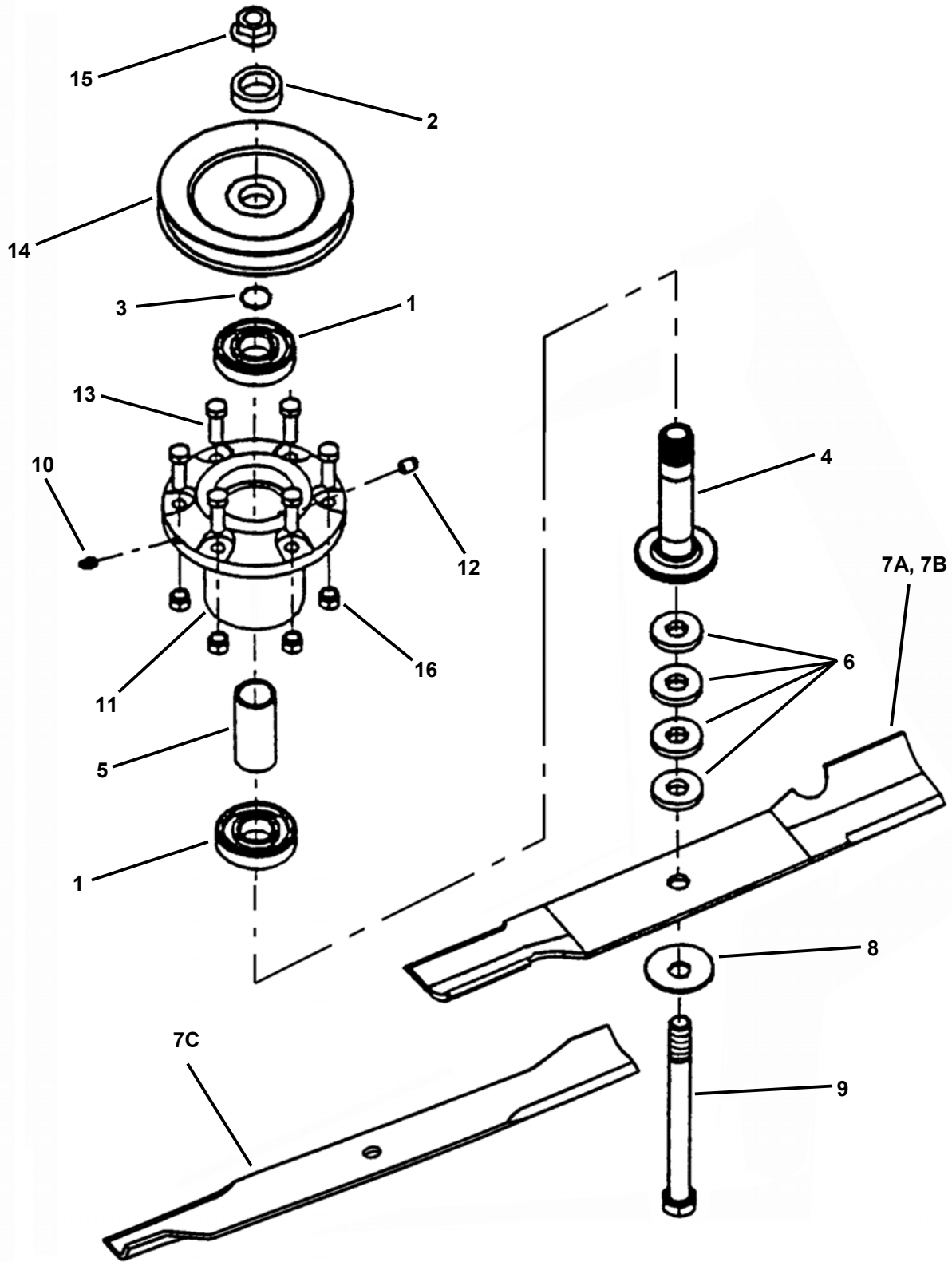


FIXED IDLER ASSEMBLY

52" & 61" DECK IDLER ASSEMBLIES

ITEM	PART NO.	DESCRIPTION
1	9-1305	SCREW, 3/8-16 x 2" Hex Head Cap, Grade 5 (2)
2	9-1300	WASHER, 3/8" Flat (2)
3	3-5789	PULLEY, Idler 5-1/2" O.D. (2)
4	9-1299	NUT, 3/8-16 Hex Nyloc (11)
5	2-3556	BUSHING (2)
6	4-2619	ARM, Idler (Weldment)
7	7-6998	FITTING, Lube 1/4-28 Straight
8	9-1553	SCREW, 3/8-16 x 1-3/4" Hex Head Cap, Grade 5 (2)
9	3-5858	SPACER, .50 I.D. x .75 O.D. x .83
10	3-5667	SPRING, Extension
11	9-1640	BOLT, 3/8-16 x 1" Square Neck Carriage, Grade 5 (6)
12	4-1295	PLATE, Tri-Mount (Weldment)
13	1-2709	E-RING 1"
14	9-1331	WASHER, .406 x 1.5 x .120 Yellow Zinc (2)
15	3-6449	STAND, Fixed Idler
16	3-2031	WASHER, 1.031 x 1.25

CUTTER HOUSING ASSEMBLY

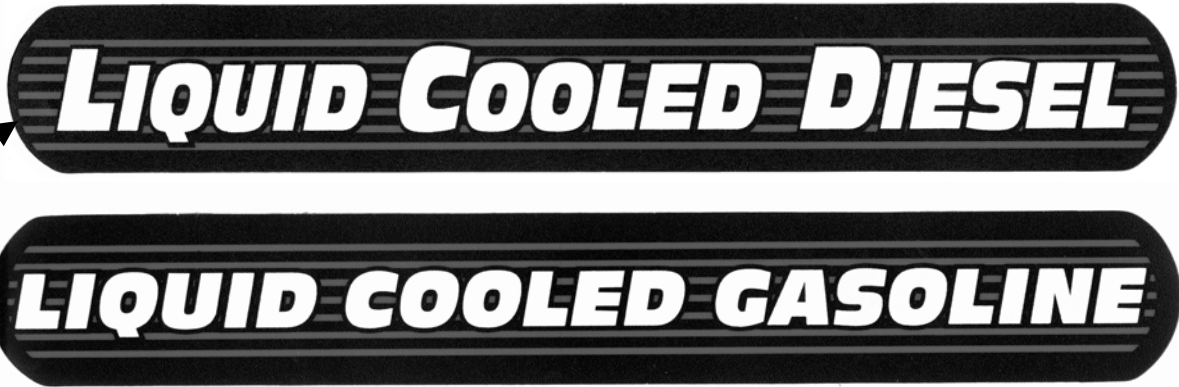
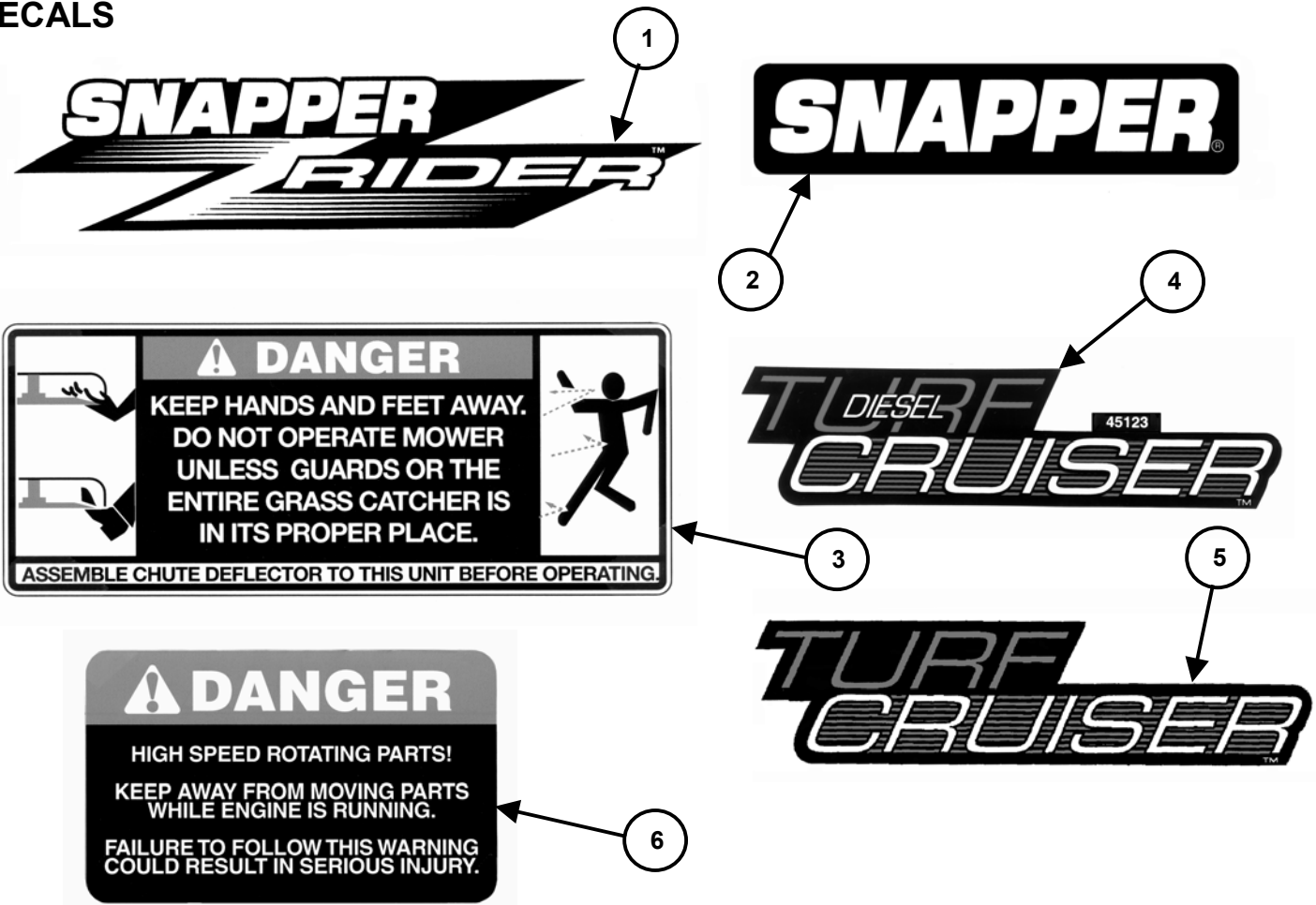


CUTTER HOUSING ASSEMBLY

ITEM	PART NO.	DESCRIPTION
1	2-9422	BEARING, Sealed (2)
2	2-9270	WASHER, Spindle
3	2-9274	SNAP-RING, Spindle Shaft
4	5-9311	SHAFT, Spindle
5	2-9254	SPACER, Bearing
6	2-9271	SPACER, Blade (4)
7A	2-9251	BLADE, 21" (61" Deck) (High Lift)
7B	2-9246	BLADE, 18" (52" Deck)
7C	1-7081	BLADE, 21" (61" Deck) (Low Lift)
8	1-6440	WASHER, Beveled
9	6-3234	BOLT, 5/8-11 x 7-1/2" Hex Head Cap, Grade 5
10	2-9275	FITTING, Lube
11	2-9252	HOUSING, Cutter
12	2-9384	VENT, Spindle
13	2-9302	BOLT, 3/8-16 x 1-1/4" Rib Necked (6)
14	2-9249	PULLEY, 5-3/4" O.D. (61" Deck)
15	6-3237	NUT, 5/8-11 Hex Flange Lock, Grade 5
16	9-1299	NUT, 3/8-16 Hex Nyloc (6)

NOTE: Part Number 5-4017 (Spindle Housing sub-assembly) is comprised of items 11 and 12 (one each) as well as item 13 (six each).

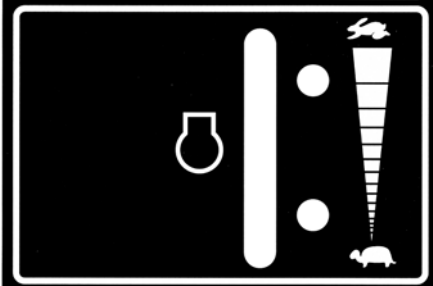
DECALS



ITEM	PART NO.	DESCRIPTION
1	4-5347	DECAL, Snapper Z-Rider (12-1/2" Long)
--	3-5848	DECAL, Snapper Z-Rider (16.33" Long)
--	3-5847	DECAL, Snapper Z-Rider (24-1/2" Long)
2	4-4640	DECAL, Snapper (7-5/16" Long)
3	7-3647	DECAL, Danger Guard/Catcher
4	4-5123	DECAL, Turf Cruiser- OFD (Model ZF2101DKU)
5	4-4677	DECAL, Turf Cruiser- OFG (Model ZF2301GKU)
6	7-3596	DECAL, Danger Rotating Parts
7	4-5348	DECAL, Liquid Cooled Diesel (Model ZF2101DKU)
8	7-2195	DECAL, Liquid Cooled Gas (Model ZF2301GKU)

WARNING
TO AVOID SERIOUS INJURY OR DEATH

- READ OPERATOR'S MANUAL AND OTHER INSTRUCTIONAL MATERIALS PROVIDED.
- KNOW LOCATION AND FUNCTION OF ALL CONTROLS.
- NEVER START BLADES UNLESS PROPERLY SEATED ON MACHINE.
- KEEP SAFETY DEVICES (GUARDS, SHIELDS AND SWITCHES) IN PLACE.
- REMOVE OBJECTS THAT COULD BE THROWN BY THE BLADES.
- DO NOT MOVE MOTION CONTROL LEVERS RAPIDLY. AVOID SUDDEN TURNS.
- DO NOT OPERATE BLADES IN REVERSE.
- LOOK DOWN AND BEHIND BEFORE AND DURING REVERSE MOVEMENT.
- DO NOT MOW IN ANY AREA WHERE STABILITY AND TRACTION IS IN DOUBT. DO NOT MOW ON SLOPES STEEPER THAN 15°.
- REDUCE SPEED ON SLOPES. GO FORWARD DOWN SLOPES. GO REVERSE UP SLOPES. NEVER TRAVEL ACROSS SLOPES.
- AVOID UPHILL STARTS. IF MACHINE STOPS GOING UPHILL, STOP BLADES AND BACK DOWN SLOWLY.
- DO NOT MOW WHEN CHILDREN OR OTHERS ARE AROUND. NEVER CARRY CHILDREN DURING OPERATION EVEN WITH BLADES OFF.
- BE SURE ALL MOVING PARTS ARE STATIONARY BEFORE PLACING HANDS AND FEET NEAR BLADES OR SERVICING MACHINE.



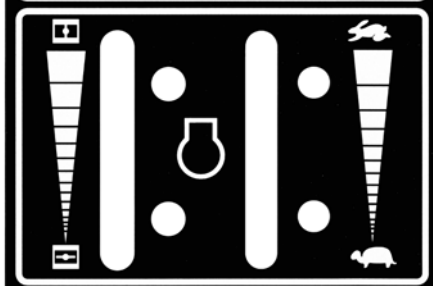
TO START:
 MAKE SURE OPERATOR IS SEATED PROPERLY. PLACE MOTION CONTROL LEVERS IN CENTER/NEUTRAL POSITION. PULL UP ON BRAKE LEVER TO SET BRAKE. PUSH BLADE SWITCH DOWN TO MAKE SURE BLADE IS DISENGAGED. SET THROTTLE TO SLOW SPEED. TURN KEY TO START ENGINE.

TO OPERATE:
 ADJUST THROTTLE TO FULL SPEED. PULL BLADE SWITCH UP TO ENGAGE BLADE. PUSH PARKING BRAKE LEVER DOWN TO RELEASE BRAKE. MOVE MOTION CONTROL LEVERS IN THE DIRECTION OF TRAVEL REQUIRED. INCREASE / DECREASE SPEED WITH AMOUNT OF MOTION CONTROL LEVERS TRAVEL FROM CENTER / NEUTRAL POSITION.

TO STOP:
 MOVE MOTION CONTROL LEVERS TO CENTER / NEUTRAL POSITION. PUSH BLADE SWITCH DOWN TO DISENGAGE BLADE. PULL UP ON BRAKE LEVER TO SET BRAKE. TURN KEY TO OFF POSITION AND REMOVE. MAKE SURE ALL MOVEMENT HAS STOPPED BEFORE DISMOUNTING. 73600

WARNING
TO AVOID SERIOUS INJURY OR DEATH

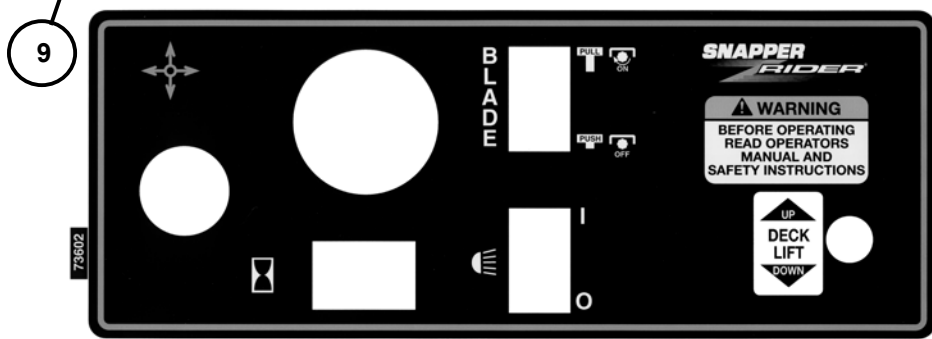
- READ OPERATOR'S MANUAL AND OTHER INSTRUCTIONAL MATERIALS PROVIDED.
- KNOW LOCATION AND FUNCTION OF ALL CONTROLS.
- NEVER START BLADES UNLESS PROPERLY SEATED ON MACHINE.
- KEEP SAFETY DEVICES (GUARDS, SHIELDS AND SWITCHES) IN PLACE.
- REMOVE OBJECTS THAT COULD BE THROWN BY THE BLADES.
- DO NOT MOVE MOTION CONTROL LEVERS RAPIDLY. AVOID SUDDEN TURNS.
- DO NOT OPERATE BLADES IN REVERSE.
- LOOK DOWN AND BEHIND BEFORE AND DURING REVERSE MOVEMENT.
- DO NOT MOW IN ANY AREA WHERE STABILITY AND TRACTION IS IN DOUBT. DO NOT MOW ON SLOPES STEEPER THAN 15°.
- REDUCE SPEED ON SLOPES. GO FORWARD DOWN SLOPES. GO REVERSE UP SLOPES. NEVER TRAVEL ACROSS SLOPES.
- AVOID UPHILL STARTS. IF MACHINE STOPS GOING UPHILL, STOP BLADES AND BACK DOWN SLOWLY.
- DO NOT MOW WHEN CHILDREN OR OTHERS ARE AROUND. NEVER CARRY CHILDREN DURING OPERATION EVEN WITH BLADES OFF.
- BE SURE ALL MOVING PARTS ARE STATIONARY BEFORE PLACING HANDS AND FEET NEAR BLADES OR SERVICING MACHINE.



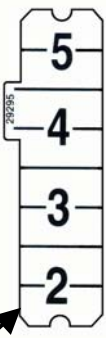
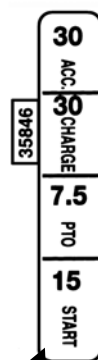
TO START:
 MAKE SURE OPERATOR IS SEATED PROPERLY. PLACE MOTION CONTROL LEVERS IN CENTER/NEUTRAL POSITION. PULL UP ON BRAKE LEVER TO SET BRAKE. PUSH BLADE SWITCH DOWN TO MAKE SURE BLADE IS DISENGAGED. SET CHOKE AND THROTTLE. TURN KEY TO START ENGINE.

TO OPERATE:
 ADJUST CHOKE AND THROTTLE. PULL BLADE SWITCH UP TO ENGAGE BLADE. PUSH PARKING BRAKE LEVER DOWN TO RELEASE BRAKE. MOVE MOTION CONTROL LEVERS IN THE DIRECTION OF TRAVEL REQUIRED. INCREASE / DECREASE SPEED WITH AMOUNT OF MOTION CONTROL LEVERS TRAVEL FROM CENTER / NEUTRAL POSITION.

TO STOP:
 MOVE MOTION CONTROL LEVERS TO CENTER / NEUTRAL POSITION. PUSH BLADE SWITCH DOWN TO DISENGAGE BLADE. PULL UP ON BRAKE LEVER TO SET BRAKE. TURN KEY TO OFF POSITION AND REMOVE. MAKE SURE ALL MOVEMENT HAS STOPPED BEFORE DISMOUNTING. 73601



This Product may be covered by one or more of the following patents:
 4,158,279 4,164,112
 4,189,903 4,248,034 4,300,332
 4,430,848 4,498,552 4,756,146
 4,920,733 4,936,886 4,984,479
 4,989,400 5,042,241 5,066,146
 5,146,735 5,195,308 5,199,251
 5,297,379 5,303,534 5,353,578
 5,353,581 5,488,818 5,511,367
 5,526,635 D358,400 5,601,512
 Other Patents Pending. 29470



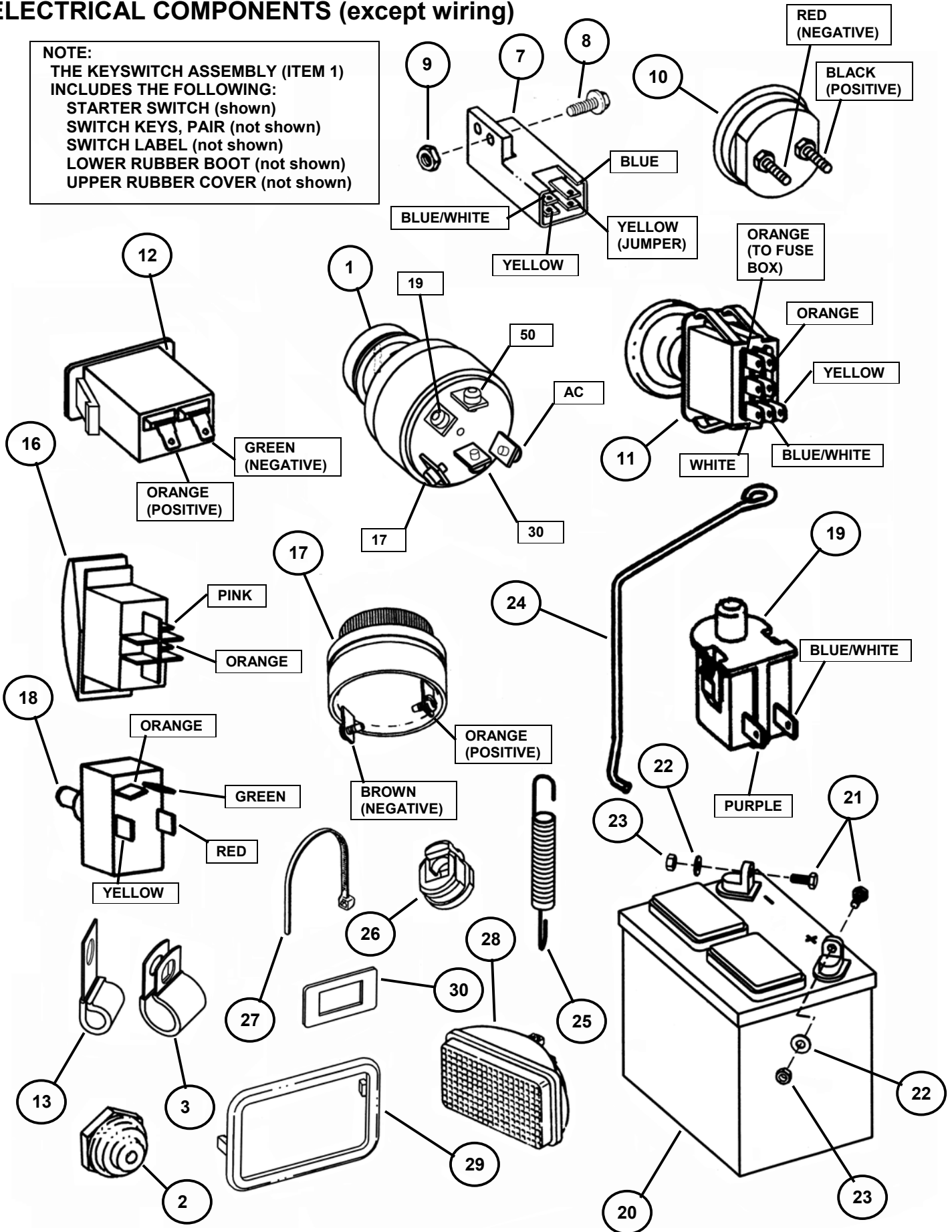
CAUTION
 IF BATTERY IS REMOVED, DO NOT OPERATE ENGINE WITHOUT INSULATING POS+ BATTERY CABLE TERMINAL WITH ELECTRICAL TAPE, OR SPARKING FROM BATTERY CABLES CAN RESULT.

ITEM	PART NO.	DESCRIPTION
9	7-3600	DECAL, Throttle (Model ZF2101DKU)
10	7-3601	DECAL, Throttle (Model ZF2301GKU)
11	7-3602	DECAL, Instrument Panel
12	3-5846	DECAL, Fuse
13	2-9295	DECAL, Height-of-Cut
14	1-3010	DECAL, Warning (CPSC Cut-Finger)
15	4-4793	DECAL, Deck Size 52"
16	4-4794	DECAL, Deck Size 61"
17	4-5107	DECAL, Park Brake
18	2-9470	DECAL, Patent Numbers
19	1-6134	DECAL, Caution Tag

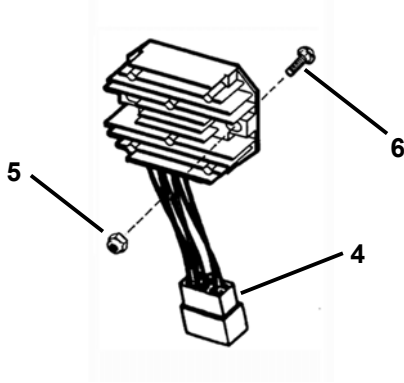
ELECTRICAL COMPONENTS (except wiring)

NOTE:

THE KEYSWITCH ASSEMBLY (ITEM 1) INCLUDES THE FOLLOWING:
 STARTER SWITCH (shown)
 SWITCH KEYS, PAIR (not shown)
 SWITCH LABEL (not shown)
 LOWER RUBBER BOOT (not shown)
 UPPER RUBBER COVER (not shown)



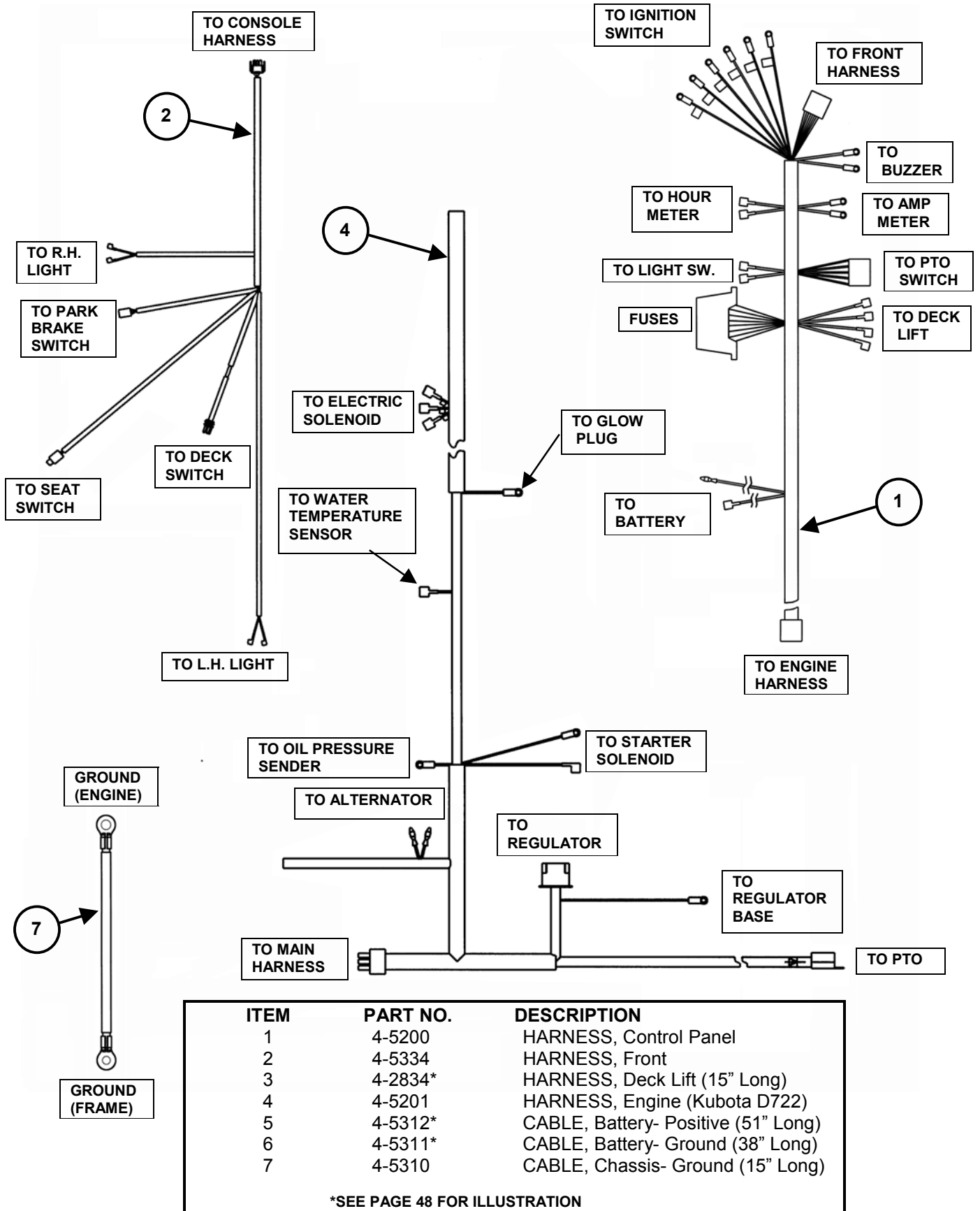
ELECTRICAL COMPONENTS (except wiring)



ITEM	PART NO.	DESCRIPTION
1	4-6424	KEYSWITCH, Diesel (Kubota # RC101-53602)
--*	--	KEYSWITCH, Gas (Kubota # 12581-55121)
2	3-5702	SEAL, Switch
3	1-5861	CLIP, Harness
4*	--	REGULATOR (Kubota Part No. RP201-53711)
5	9-1603	NUT, 1/4-20 Hex Nyloc (2)
6	9-1321	BOLT, 1/4-20 x 1" Short Square Neck Carriage (2)
7	4-5345	SWITCH, DPDT, NO/NO
8	9-1240	SCREW, #10-32 x 5/8" Hex Wash. Hd. Machine, Grade 5 (2)
9	9-0376	NUT, #10-32 Hex Nyloc (2)
10	1-9547	ASSEMBLY, Ammeter and Clamp
11	2-8542	SWITCH, PTO
12	4-5281	HOUR METER, D.C.
13	3-5638	CLIP, Open J, 3/8" Cushioned
14	9-1523	SCREW, 5/16-18 x 5/8" Hex Washer Self-Tap (2)
15	9-0585	NUT, 5/16-18 Hex Flange Lock, Grade 5
16	3-5659	SWITCH, Lights
17	7-9208	BUZZER, Pulsing
18	3-5700	SWITCH, Self Centering, Deck Lift
19	1-5707	SWITCH, Seat NO (see page 24 for illustration)
20	3-5610	BATTERY, 11 Plate- 380CCA
21	9-0072	SCREW, 1/4-20 x 5/8", Hex Head Cap, Grade 5 (2)
22	9-0055	WASHER, .28 I.D. x .63 O.D. x .06 Flat (2)
23	9-0372	NUT, 1/4-20 Hex Center Lock, Grade 5 or B (2)
24	2-2366	BRACKET, Battery
25	2-2696	SPRING, Battery
26	3-5779	STRAIN RELIEF, Wire (2)
27	1-2080	CABLE TIE, 7" (15)
28	1-8829	HEAD LIGHT (2)
29	3-5550	BEZEL, Headlight (2)
30	3-5661	SPACER, PTO Switch

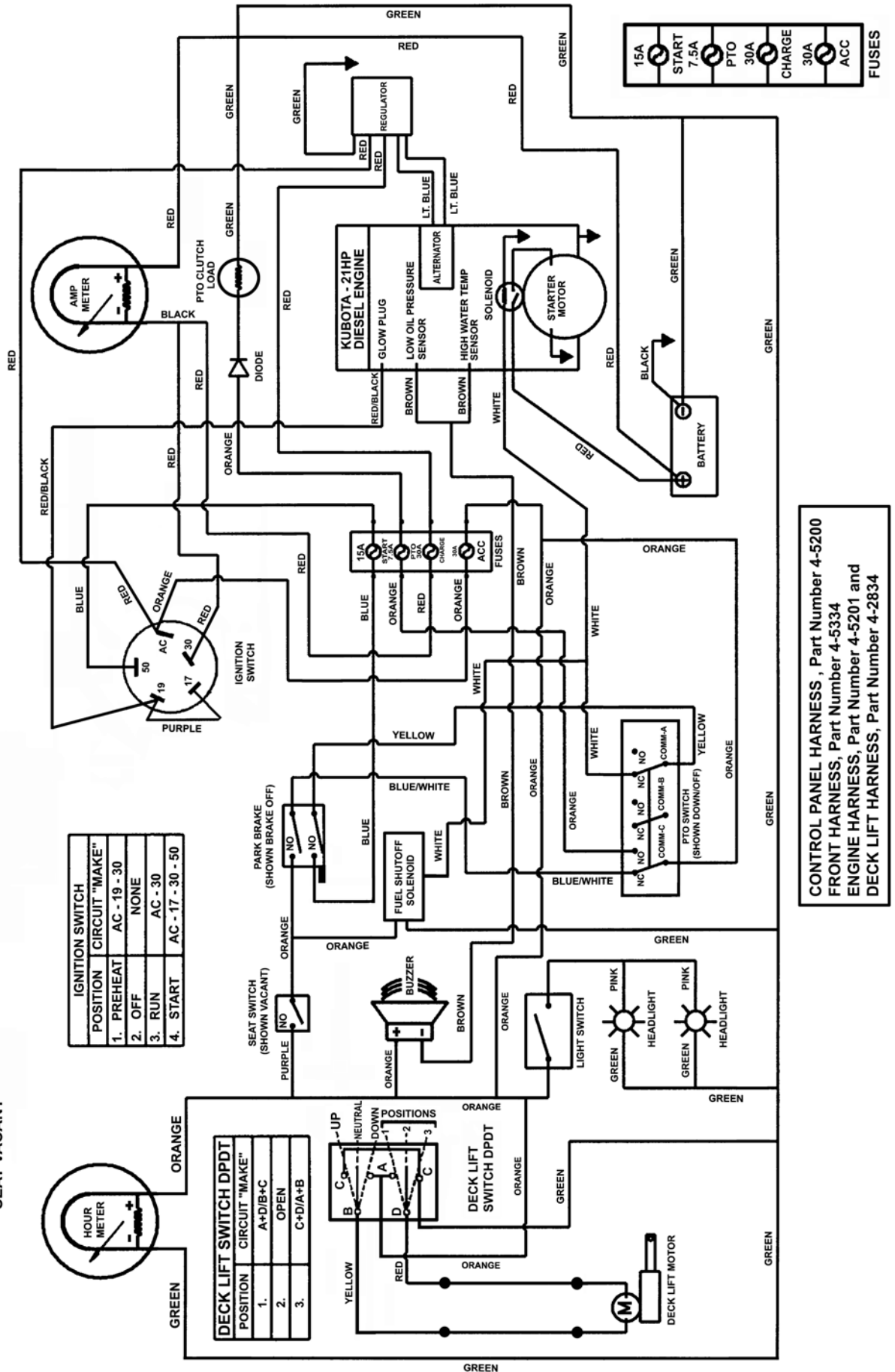
***NOTE:**
Order from engine
Manufacturer.

WIRING COMPONENTS (Diesel Only)



WIRING SCHEMATIC (Diesel Only)

NOTE: Switches shown with:
 PARK LEVER in PARK
 PTO in OFF position
 SEAT VACANT

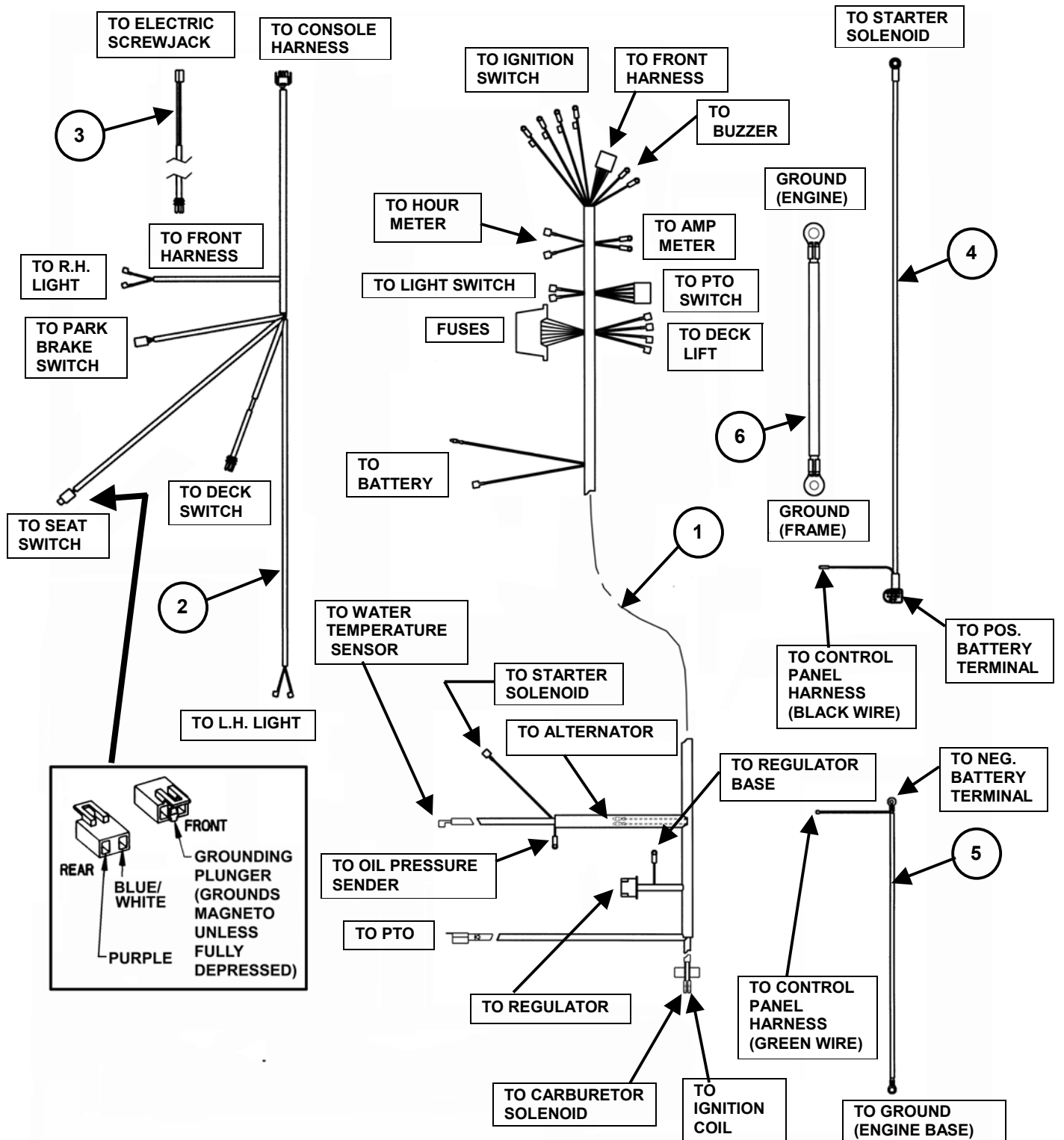


IGNITION SWITCH POSITION	CIRCUIT "MAKE"
1. PREHEAT	AC - 19 - 30
2. OFF	NONE
3. RUN	AC - 30
4. START	AC - 17 - 30 - 50

DECK LIFT SWITCH DPDT POSITION	CIRCUIT "MAKE"
1.	A+D/B+C
2.	OPEN
3.	C+D/A+B

CONTROL PANEL HARNESS, Part Number 4-5200
 FRONT HARNESS, Part Number 4-5334
 ENGINE HARNESS, Part Number 4-5201 and
 DECK LIFT HARNESS, Part Number 4-2834

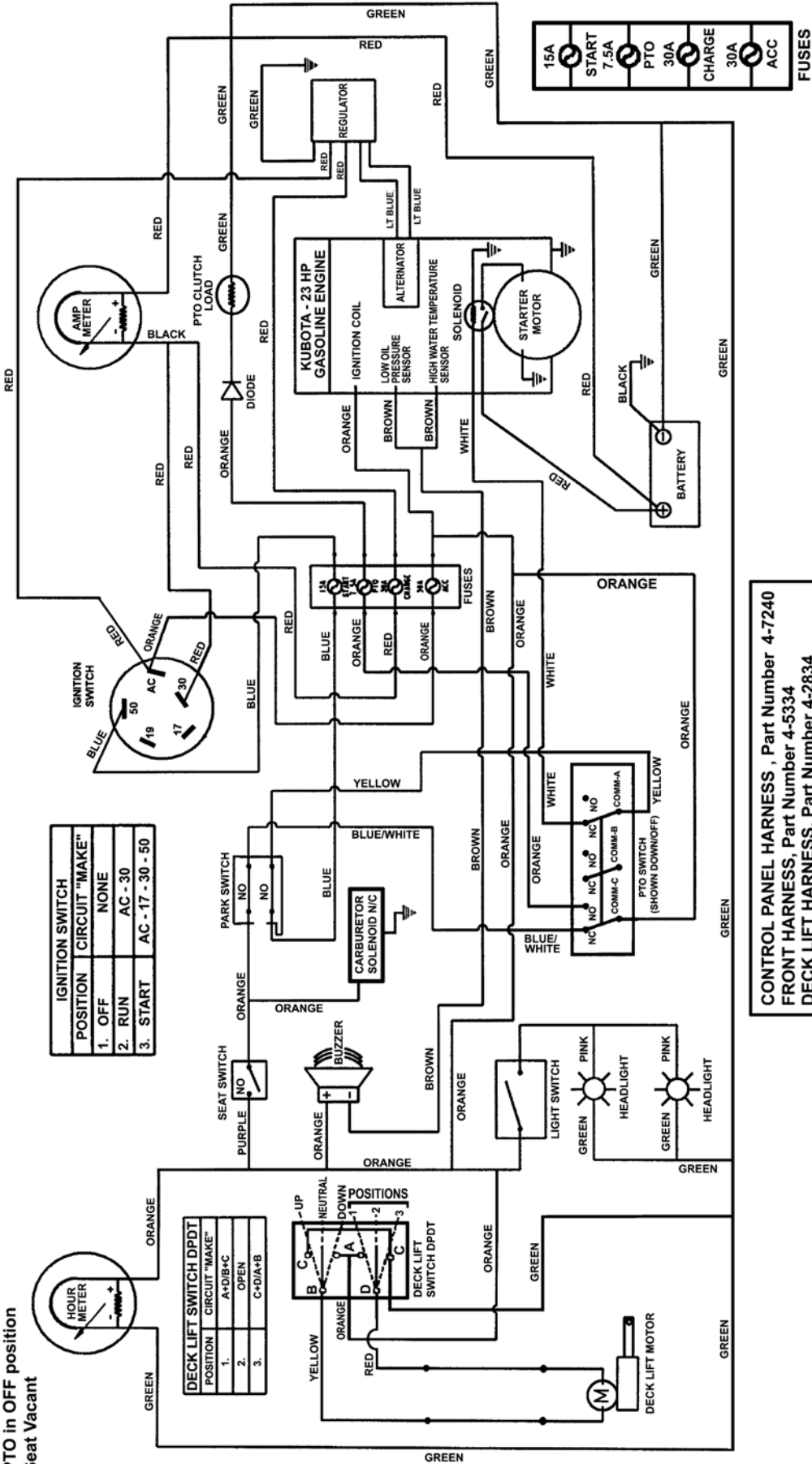
WIRING COMPONENTS (Gas Only)



ITEM	PART NO.	DESCRIPTION
1	4-7240	HARNES, Control Panel
2	4-5334	HARNES, Front
3	4-2834	HARNES, Deck Lift (15" Long)
4	4-5312	CABLE, Battery- Positive (51" Long)
5	4-5311	CABLE, Battery- Ground (38" Long)
6	5-8364	CABLE, Chassis- Ground (18" Long)

WIRING SCHEMATIC (Gas Only)

NOTE: Switches shown with:
 PARK LEVER in PARK
 PTO in OFF position
 Seat Vacant



CONTROL PANEL HARNESS, Part Number 4-7240
 FRONT HARNESS, Part Number 4-5334
 DECK LIFT HARNESS, Part Number 4-2834

Parts Manual for

SNAPPER®

**OUT FRONT Z-RIDER™
ZERO TURNING HYDRO DRIVE
KUBOTA SERIES 1**

POWER UNIT MODELS

ZF2101DKU

ZF2301GKU

MOWER UNIT MODELS

ZF6101M

ZF5201M

IT IS THE POLICY OF SNAPPER TO IMPROVE ITS PRODUCTS WHENEVER IT IS POSSIBLE AND PRACTICAL TO DO SO. WE RESERVE THE RIGHT TO MAKE CHANGES OR ADD IMPROVEMENTS AT ANY TIME WITHOUT INCURRING ANY OBLIGATION TO MAKE SUCH CHANGES ON PRODUCTS MANUFACTURED PREVIOUSLY.

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