RED HAWK EQUIPMENT

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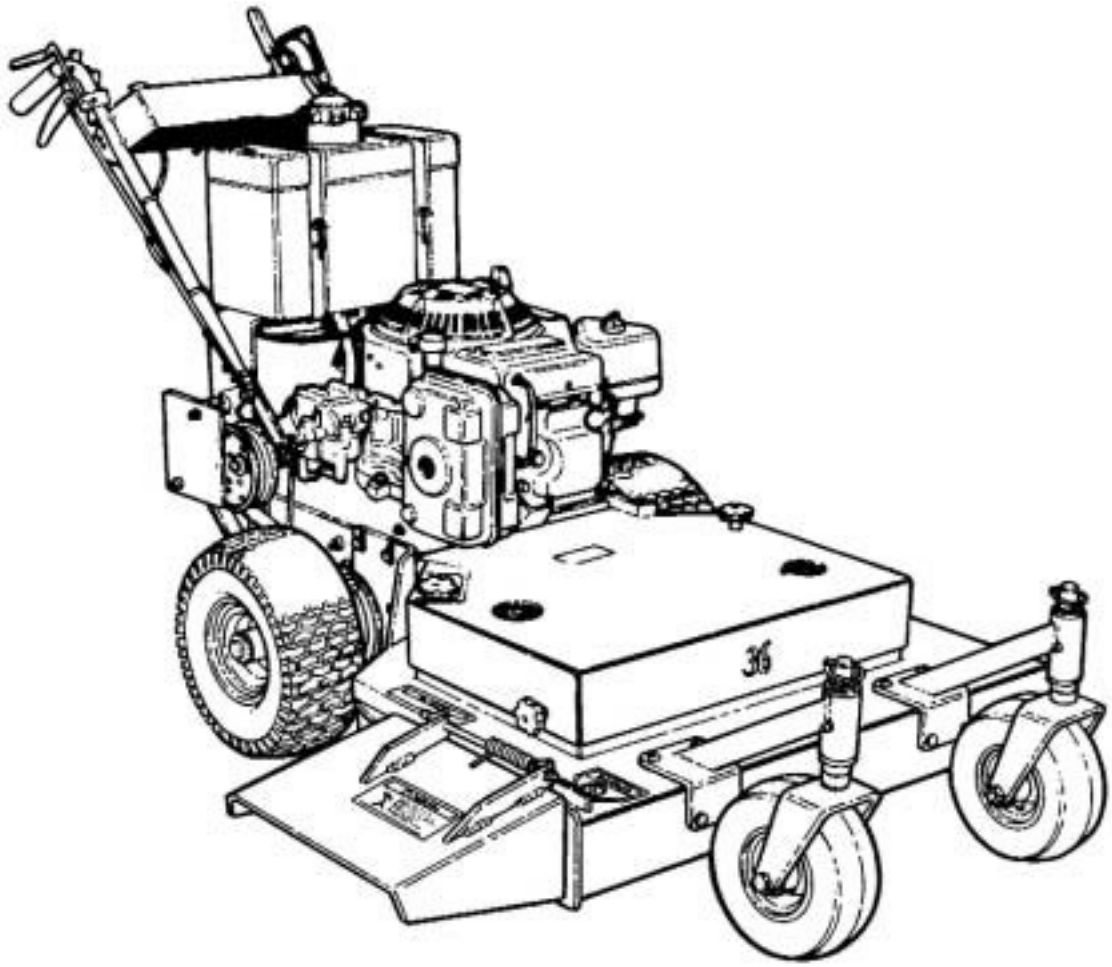
32”, 36” & 48” Commercial Belt-Drive Mowers

Parts & Owner’s Manual



Congratulations on the purchase of your new Red Hawk mower.

Before any warranty service can be authorized you must register this product with the manufacturer.

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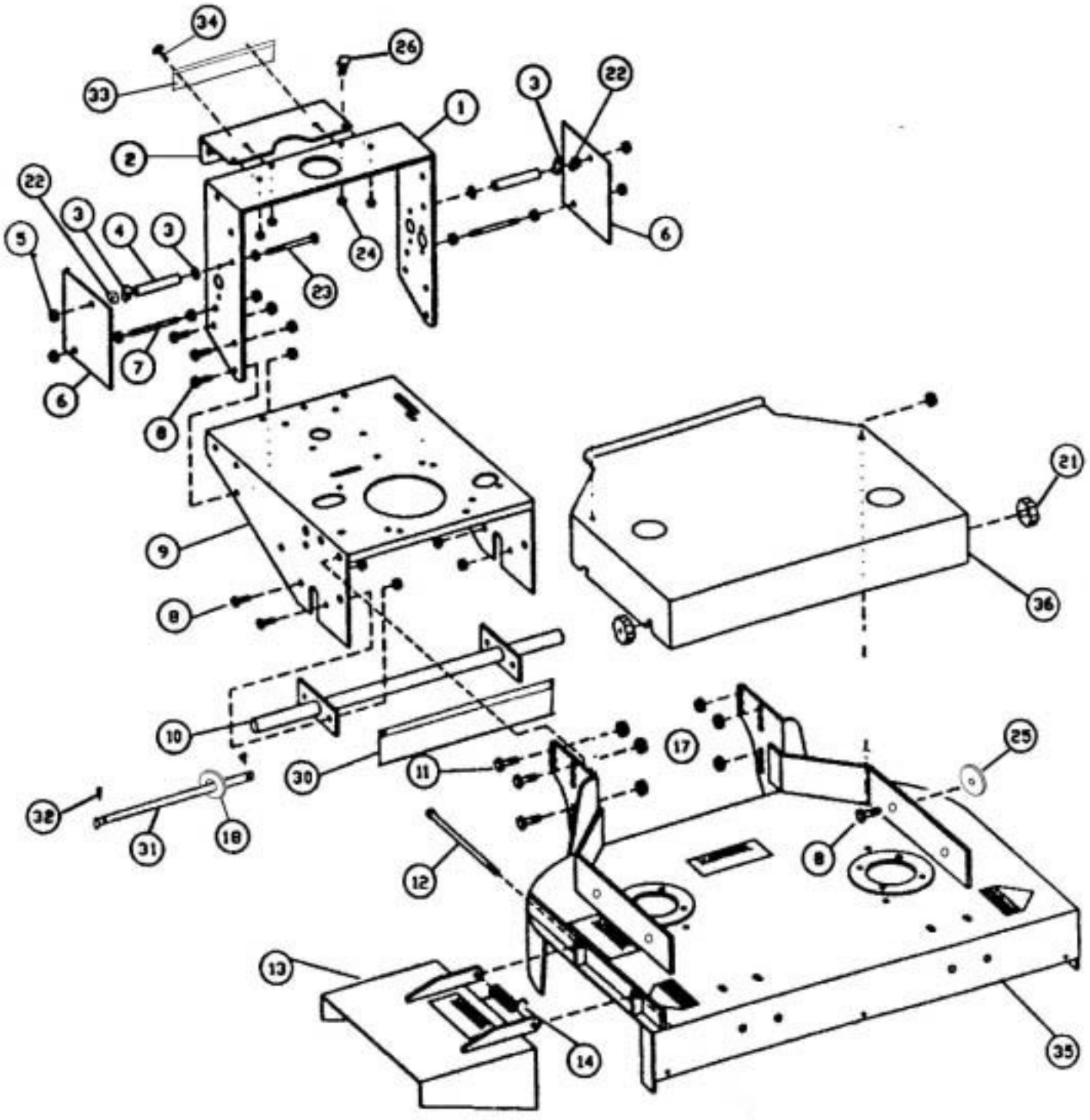
32” & 36” Frame Assembly



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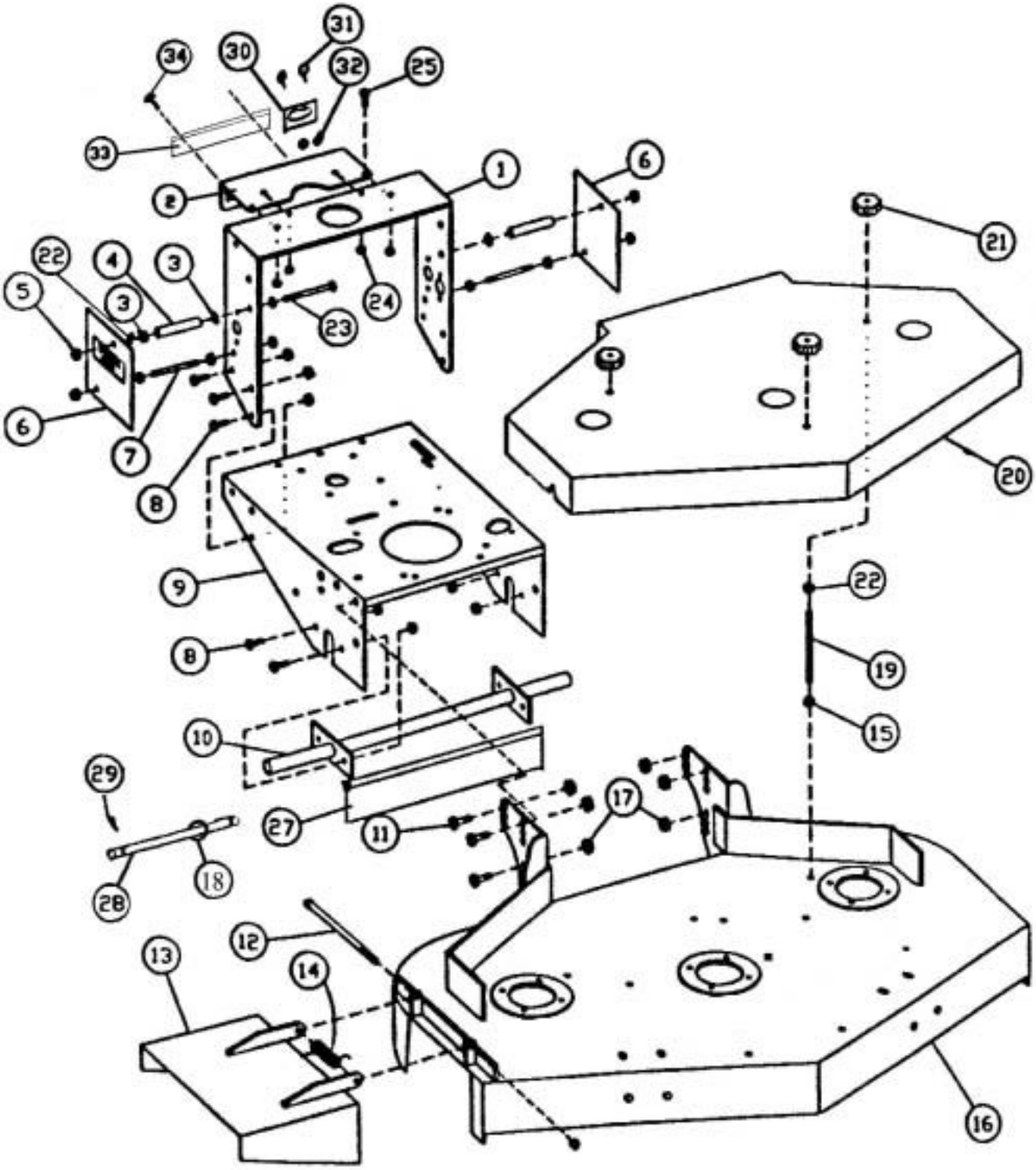
32”& 36” Frame Assembly

Item No.	Part Number	Description	Qty
1	100-001	Tank Handle Mount Bracket	1
2	100-002	Shift Console	1
3	100-003	Plain Washer 2*10.5 id *26 od	4
4	100-004	Pivot Tube	2
5	200-001	Nut M10 GB923-88	4
6	100-005	Fender	2
7	200-002	Double end bolt m10*120 GB 901-88	2
8	200-003	Hexagon Bolt M10*25 GB5783-86	14
9	100-006	Rear Deck	1
10	132-001	Axle Weldment 32"	1
11	200-004	Hexagon Head Bolt M12*25 GB5783-86	6
12	200-005	Hexagon Head Bolt M10*240 GB5782-86	1
13	100-007	Chute Deflector	1
14	100-008	Torsion Spring	1
15	200-006	Nylon Nut, M10 GB889-86 (not shown)	17
16	132-002	Deck 32"	1
17	200-007	Nylon Nut, M12 GB889-86	6
18	200-021	Plain Washer 8 GB95-85	2
20	132-003	Hood 32"	1
21	100-009	Saucer Nut	4
22	200-006	Nylon Nut M10 GB889-86	2
23	200-008	Hexagon Bolt M10*110 GB5782-86	2
24	200-009	Nylon Nut M6 GB889-86	4
25	200-010	Plain Washer 10 GB95-85	4
26	200-011	Bolt M6*16 GB/T794-93	4
30	100-011	Safety Flap	1
31	100-012	Rod Safety Flap	1
32	200-014	Cotter Pin 2*20 GB91-86	2
33	100-116	Shift Plate	1
34	200-063	Rivet 2*5 GB827-86	2
35	136-001	Deck 36"	1
36	136-002	Hood 36"	1

48” Frame Assembly



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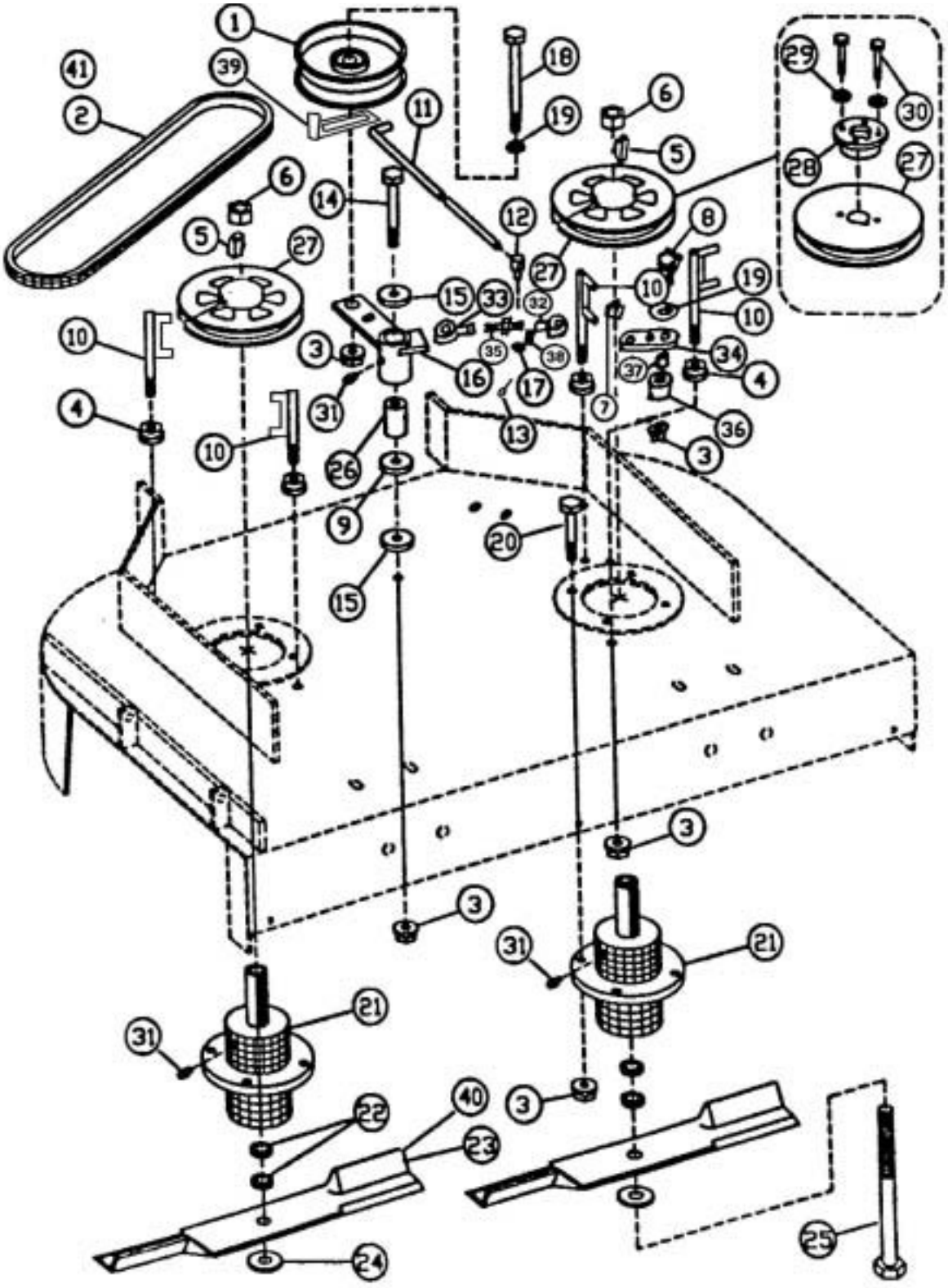
48” Frame Assembly

Item No.	Part Number	Description	Qty
1	100-001	Tank Handle Mount Bracket	1
2	100-002	Shift Console	1
3	100-003	Plain Washer 2*10.5 id *26 od	4
4	100-004	Pivot Tube	2
5	200-001	Nut M10 GB923-88	4
6	100-005	Fender	2
7	200-002	Double End Bolt M10*120 GB901-88	2
8	200-003	Hexagon Bolt M10*25 GB5783-86	10
9	100-006	Rear Deck	1
10	148-001	Axle Weldment 48"	1
11	200-004	Hexagon Bolt M12*25 GB5783-86	6
12	200-005	Hexagon Bolt M10*240 GB5782-86	1
13	100-007	Chute Deflector	1
14	100-008	Torsion Spring	1
16	148-002	Deck 48"	1
17	200-007	Nylon Nut M12 GB889-86	6
18	200-021	Plain Washer 8 GB-95-85	2
19	200-015	Hexagon Bolt M10*140 GB5783-86	3
20	148-003	Hood 48"	1
21	100-009	Saucer Nut	3
22	200-006	Nylon Nut M10 GB889-86	5
23	200-008	Hexagon Bolt M10*110 GB5782-86	2
24	200-009	Nylon Nut M6 GB889-86	4
25	200-011	Bolt M6*16 GB/T794-93	4
26	200-006	Nylon Nut M10 GB889-86 (Not Shown)	17
27	100-011	Safety Flap	1
28	100-012	Rod safety Flap	1
29	200-014	Cotter Pin 2*20 GB91-86	2
30	100-010	Shift Lever Stop	1
31	200-012	Bolt M5*15 GB818-85	2
32	200-013	Nylon Nut M5 GB889-86	2
33	100-116	Shift Plate	1
34	200-063	Rivet 2*5 GB827-86	2

32” & 36” Front Deck Assembly



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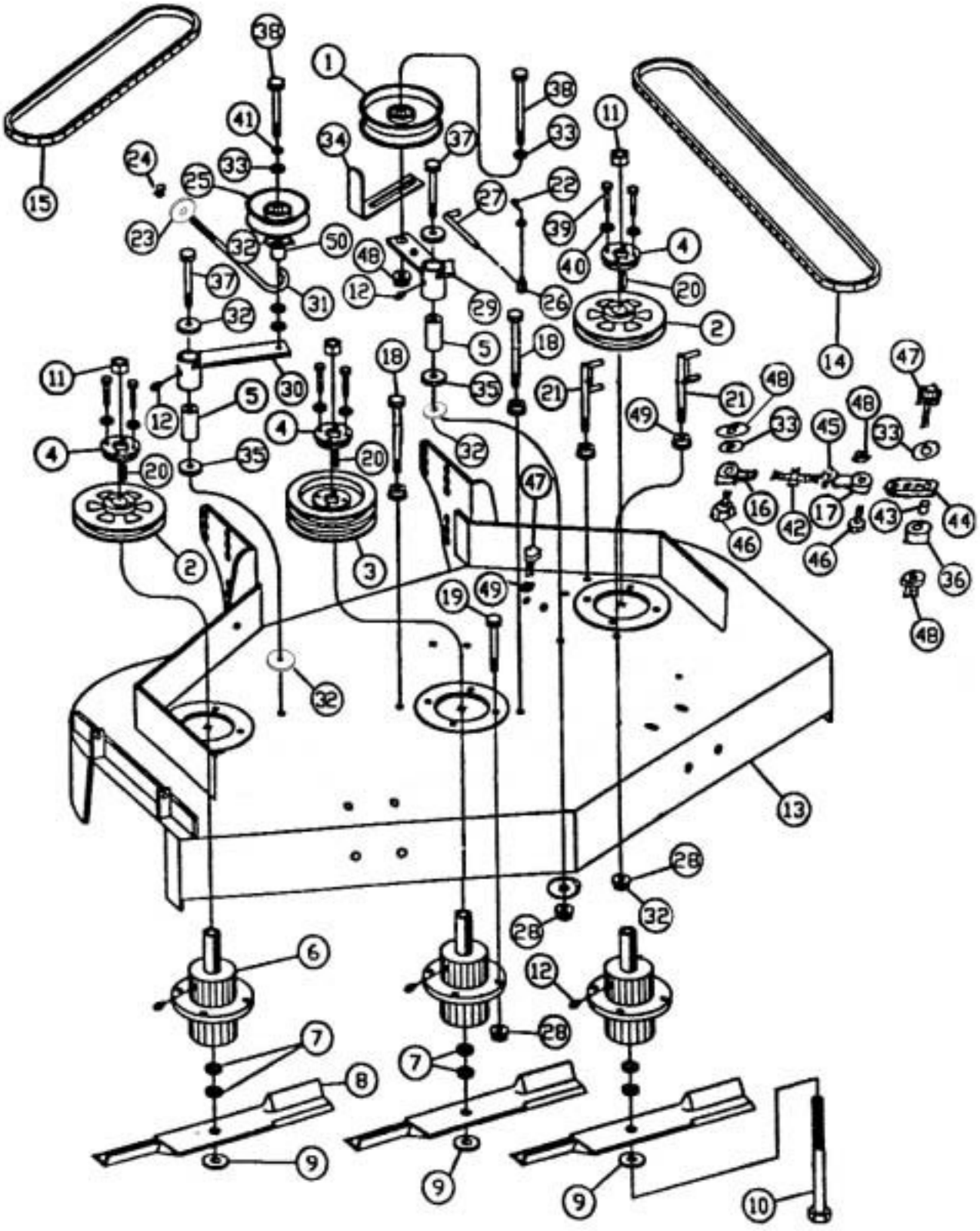
32” & 36” Front Deck Assembly

Item No.	Part Number	Description	Qty
1	100-013	Idler Pulley I with Flange	1
2	132-004	Belt 32" Engine to Blade	1
3	200-006	Nylon Nut M10 GB889-86	17
4	200-016	Nut Flange M10 GB6187-86	4
5	100-014	Key 6.35*6*50	2
6	200-017	Hexagon Nut M16*1.5	2
7	200-018	Hexagon Bolt M10*35 GB5783-86	2
8	200-019	Hexagon Bolt M10*40 GB5782-86	1
9	100-015	Plain Washer 2*26 id *38 od	1
10	100-016	Belt Guide, Spindle	4
11	100-017	Blade Rod	1
12	100-018	Swivel	1
13	200-014	Cotter Pin 2*20 GB91-86	1
14	200-020	Hexagon Bolt M10*70 GB782-86	1
15	100-019	Plain Washer 3*10.5 id *38 od	2
16	100-020	Blade Idler Arm Weldment	1
17	200-021	Plain Washer 8 GB95-85	1
18	200-022	Hexagon Bolt M10*65 GB5782-86	1
19	200-010	Plain Washer 10 GB95-85	5
20	200-018	Hexagon Bolt M10*35 GB5783-86	8
21	100-021	Cutting House Assembly	2
22	100-022	Spacer 6	10
23	132-005	Blade 32"	2
24	100-023	Plain Washer 3*16.5 id *50 od	2
25	200-023	Bolt M16*1.5*245	2
26	100-024	Pivot Hub	1
27	100-025	Pulley, Single	2
28	100-026	H-Bushing	2
29	200-024	Lock Washer 8 GB 93-87	4
30	200-025	Hexagon Bolt M8*30 GB5783-86	4
31	200-026	Grease Fitting M6 GB1152-89	3
32	100-027	Rod End RH	1
33	100-028	Rod End LH	1
34	100-029	Link Idler Arm	1
35	100-030	Turn Buckle Rod	1
36	100-031	Spacer 12	1
37	100-032	Link Bushing 7*10.5 id*14 od	1
38	200-027	Nut Thin M10 GB6172-86	1
39	100-033	Belt Guide I	1
40	136-003	Blade 36"	2
41	136-004	Belt 36" Engine to Blade	1

48” Front Deck Assembly



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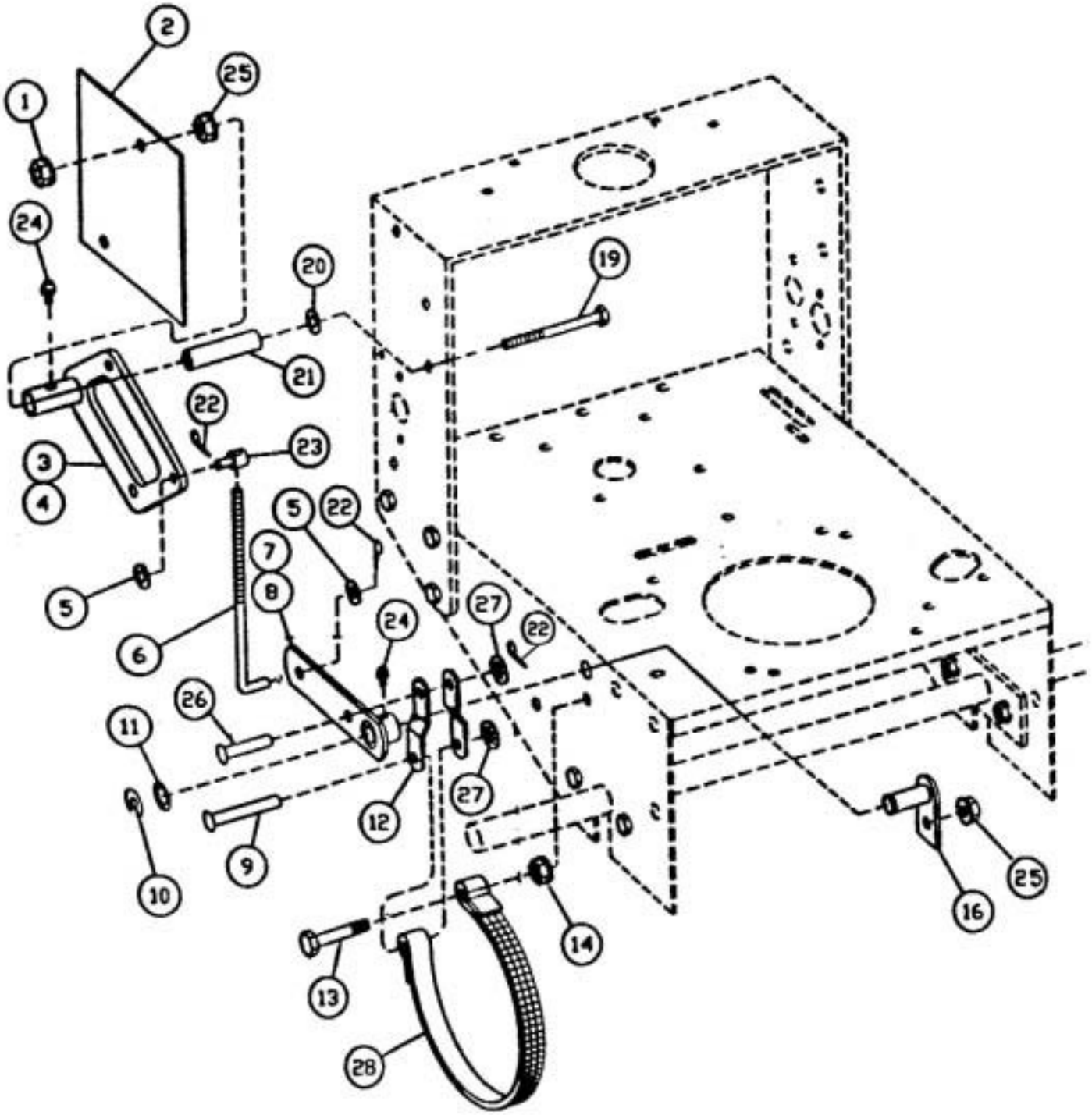
48” Front Deck Assembly

Item No.	Part Number	Description	Qty
1	100-013	Idler Pulley with Flange	1
2	100-025	Pulley, Single	2
3	148-004	Pulley , Double	1
4	100-026	H-Bushing	3
5	100-024	Pivot Hub	2
6	100-021	Cutting Housing Assembly	3
7	100-022	Spacer 6	15
8	148-005	Blade 48"	3
9	100-023	Plain Washer 3*16.5 id*50 od	3
10	200-023	Bolt M16*1.5*245	3
11	200-017	Hexagon Nut M16*1.5	3
12	200-026	Grease Fitting M6 GB1152 89	5
13	148-002	Deck 48"	1
14	148-006	Belt 48" Engine to Blade	1
15	148-007	Belt 48" Blade to Blade	1
16	100-028	Rod End LH	1
17	100-027	Rod End RH	1
18	200-028	Hexagon Bolt M10*120 GB5782-86	2
19	200-018	Hexagon Bolt M10*35 GB5783-86	12
20	100-014	Key 6.35*6*50	3
21	100-016	Belt Guide, Spindle	4
22	200-014	Cotter Pin, 2*20 GB91-86	1
23	200-029	Nut Flange M8 GB6187-86	1
24	200-030	Nylon Nut M8 GB889-86	1
25	148-008	Idler Pulley IV with Flange	1
26	100-018	Swivel	1
27	100-017	Blade Rod	1
28	200-006	Nylon Nut M10 GB889-86	22
29	100-020	Blade Idler Arm Weldment	1
30	148-009	Deck Idler Arm Weldment	1
31	148-010	Rod Belt Tension Hook	1
32	100-019	Plain Washer 3*10.5 id*38 od	4
33	200-010	Plain Washer 10 GB95-85	7
34	100-033	Belt Guide I	1
35	100-015	Plain Washer 2*26 id *38 od	2
36	100-031	Spacer 12	1
37	200-020	Hexagon Bolt M10*70 GB5782-86	2
38	200-022	Heaxagon Bolt M10*65 GB5782-86	2
39	200-025	Heaxagon Bolt M8*30 GB5783 86	6
40	200-024	Lock Washer 8 GB93-87	6
41	200-031	Lock Washer 10 GB93-87	1
42	100-030	Turn Buckle Rod	1
43	100-032	Link Bushing 7*10.5 id*14 od	1
44	100-029	Link Idler Arm	1
45	200-027	Nut Thin M10 GB6172-86	1
46	200-018	Hexagon Bolt M10*35 GB5783-85	2
47	200-019	Hexagon Bolt M10*40 GB5782-86	1
48	200-006	Nylon Nut M10 GB889-86	7
49	200-016	Nut Flange M10 GB6187 86	11
50	148-011	Spacer 16	1

32”, 36” & 48” Brake Assembly



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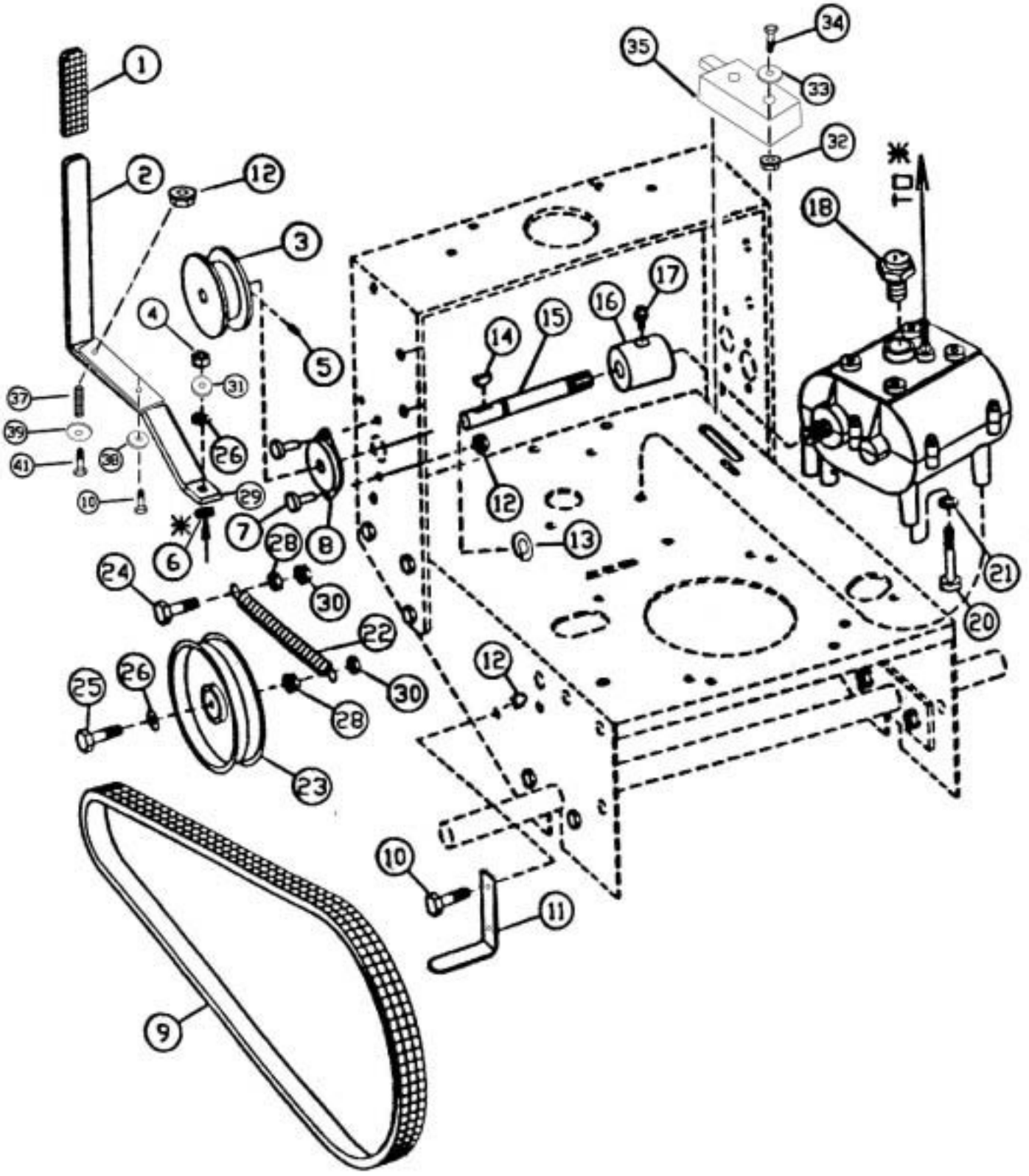
32”, 36” & 48” Brake Assembly

Item No.	Part Number	Description	Qty
1	200-001	Nut M10 GB923-88	4
2	100-005	Fender	2
3	100-034	Idler Arm RH	1
4	100-035	Idler Arm LH	1
5	200-021	Plain Washer 8 GB95-85	2
6	100-036	Brake Rod	2
7	100-037	Brake Lever RH	1
8	100-038	Brake Lever LH	1
9	100-039	Flat Head Rivet I	2
10	200-047	Snap Ring 16 GB894.1-86	2
11	100-120	Plain Washer 2*16 id *26 od	4
12	100-040	Brake Link	4
13	200-032	Hexagon Bolt M10*50 GB5782-86	2
14	200-016	Nut Flange M10 GB6187-86	2
16	100-041	Brake Lever Mount	2
19	200-008	Hexagon Bolt M10*110 GB5782-86	2
20	100-003	Plain Washer 2*10.5 id *26 od	4
21	100-004	Pivot Tube	2
22	200-014	Cotter Pin 2*20 GB91-86	8
23	100-042	Swivel, Brake Rod	2
24	200-026	Grease Fitting M6 GB1152-89	2
25	200-006	Nylon Nut M10 GB889-86	2
26	100-043	Flat Head Rivet II	2
27	200-033	Plain Washer 10 GB95-85	4
28	100-044	Brake Assembly Band	2

32”, 36” & 48” Transmission Drive Assembly



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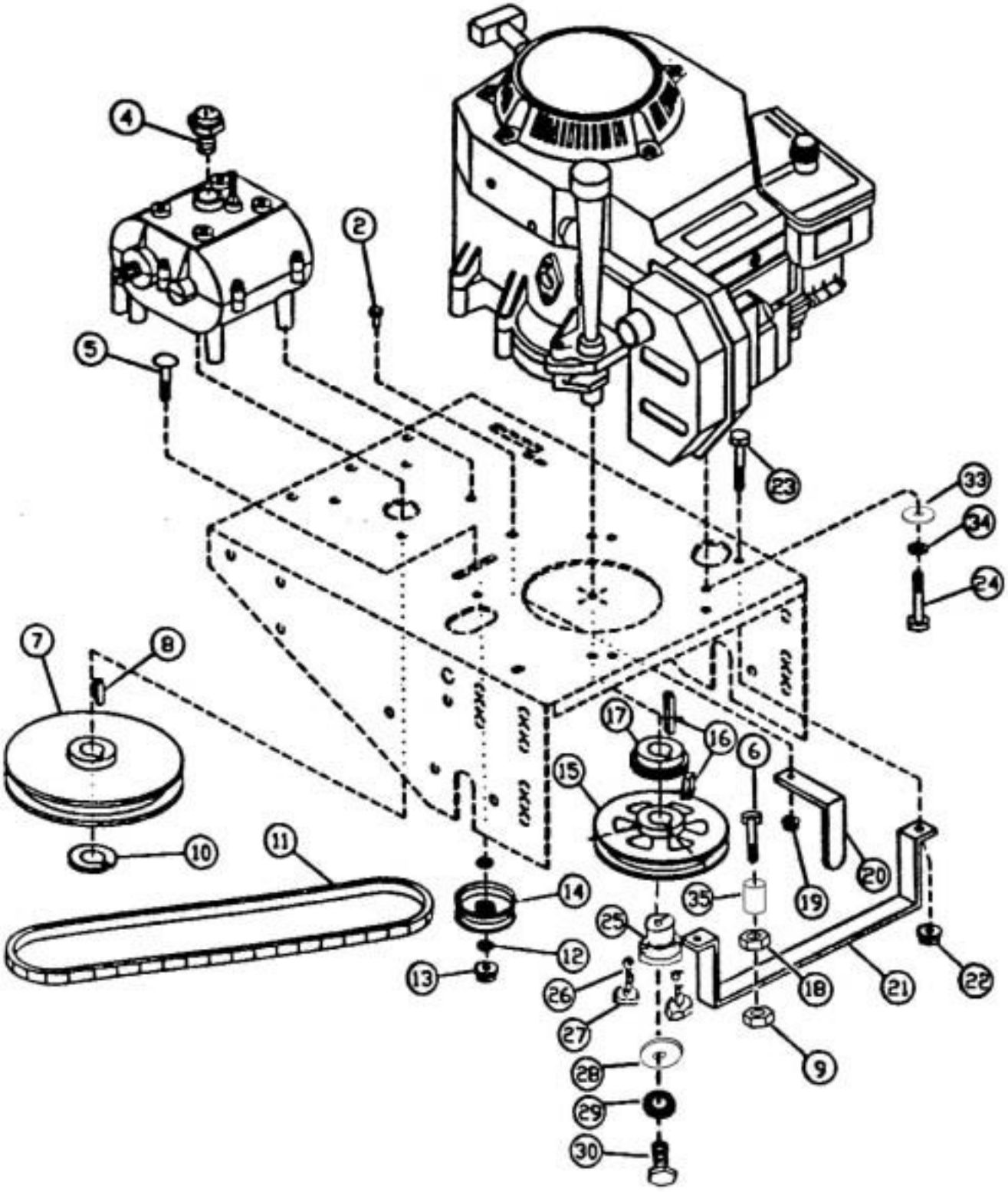
32”, 36” & 48” Transmission Drive Assembly

Item No.	Part Number	Description	Qty
1	100-045	Flat Grip	1
2	100-046	Transmission Shift Lever Upper	1
3	100-047	Output Pulley	2
4	200-034	Nut 3/8-24	1
5	200-035	Screws M8*10 GB71-85	2
6*	N/A	Peerless Part	1
7	200-011	Bolt M6*16GB/T794-93	4
8	100-049	Flange Bearing	2
9	100-050	Traction Belt	2
10	200-036	Hexagon Bolt M6*20 GB5783-86	5
11	100-051	Belt Guide II	2
12	200-009	Nylon Nut M6 GB889-86	10
13	200-047	Snap Ring 16 GB894.1-86	2
14	100-052	Woodruff Key	2
15	100-053	Output Shaft	2
16	100-054	Coupling	2
17	200-026	Grease Fitting M6 GB1152-89	2
18	100-055	Neutral Switch Transmission	1
20	200-037	Hexagon Bolt 5/16-18	4
21	200-024	Lock Washer 8 GB93-87	4
22	100-057	Traction Spring	2
23	100-058	Idler Pulley II	2
24	200-032	Hexagon Bolt M10*50 GB5782-86	2
25	200-038	Hexagon Bolt M10*60 GB5782-86	2
26	200-010	Plain washer 10 GB95-85	2
28	200-016	Nut Flange M10 GB6187-86	2
29	100-059	Transmission Shift Lever Lower	1
30	200-006	Nylon Nut M10 GB889-86	2
31	200-031	Lock washer 10 GB93-87	1
32	200-039	Nylon Nut M4 GB889-86	2
33	200-040	Plain Washer 4 GB95-85	2
34	200-041	Bolt M4*30 GB818-85	2
35	100-060	Switch	1
37	100-061	Compression Spring	1
38	200-042	Plain Washer 6 GB95-85	1
39	200-043	Plain Washer 6 GB5287-86	1
41	200-044	Hexagon Bolt M6*40 GB5782-86	1

32”, 36” & 48” Rear Deck Assembly



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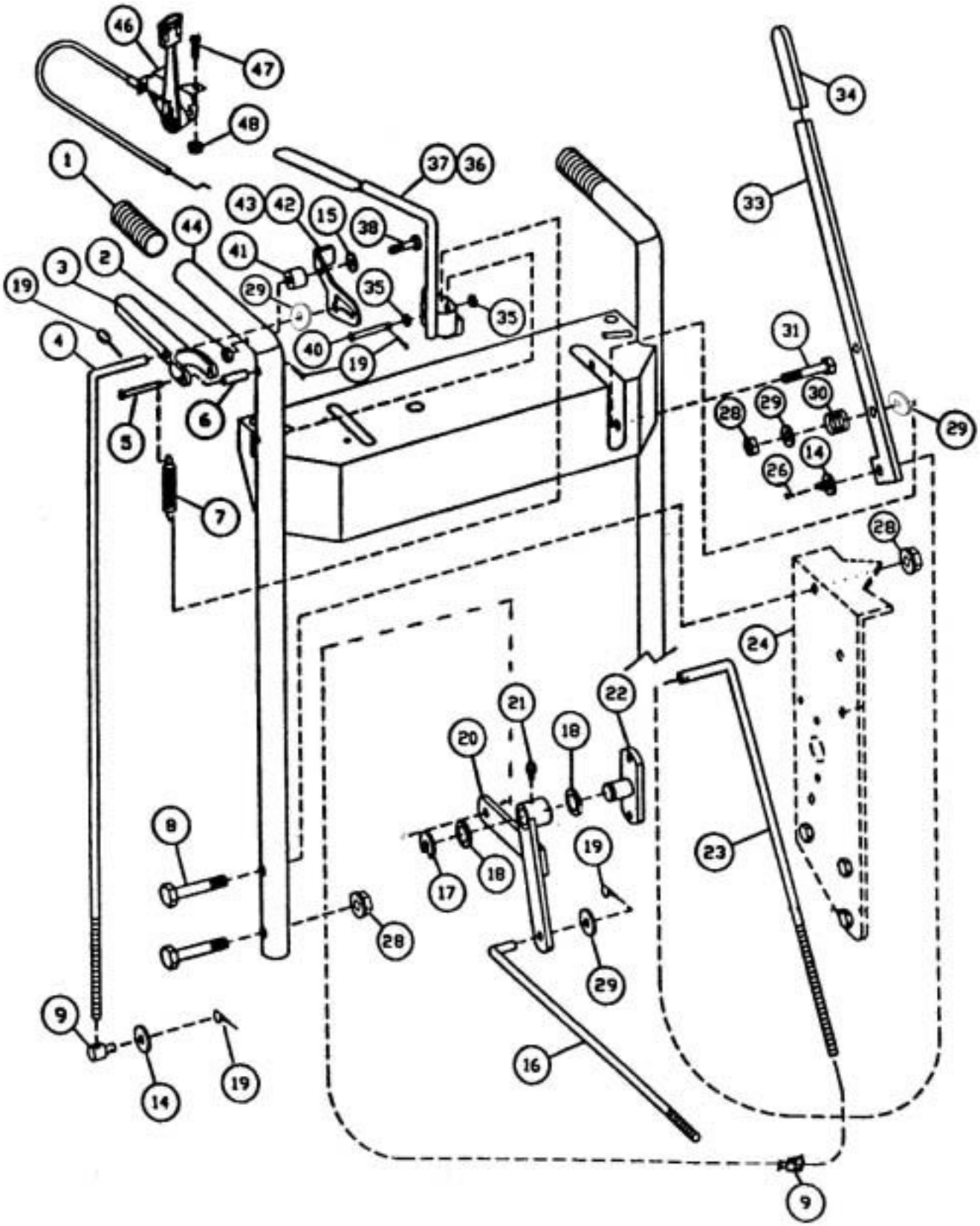
32”, 36” & 48” Rear Deck Assembly

Item No.	Part Number	Description	Qty
2	200-045	Bolt M6*20 GB/T794-93	2
4	100-055	Neutral Switch Transmission	1
5	200-046	Bolt M10*45 GB/T794-93	1
6	200-038	Hexagon Bolt M10*60 GB5782-86 (for 48")	1
7	100-063	Pulley, Transmission	1
8	100-117	Woodruff Key, Transmission	1
9	200-006	Nylon Nut M10 GB889-86 (for 48")	1
10	200-047	Snap Ring 16 GB894, 1-86	1
11	100-064	Transmission Belt	1
12	200-010	Plain Washer 10 GB95-85	2
13	200-006	Nylon Nut M10 GB889-86 (for 48")	1
14	100-065	Idler Pulley III	1
15	100-025	Pulley, Single	1
16	100-066	Key 6.35*6*25	2
17	100-067	Pulley, Input	1
18	200-016	Nylon Nut M10 GB889-86 (for 48")	1
19	200-009	Nylon Nut M6 GB889-86	2
20	100-068	Belt Guide III	1
21	100-069	Belt Guide IV	1
22	200-030	Nylon Nut M8 GB889-86	2
23	200-048	Hexagon Bolt M8*20 GB5782-86	2
24	200-049	Hexagon Bolt M8*40 GB5783-86	4
25	100-026	H-Bushing	1
26	200-024	Lock Washer 8 GB 93-87	2
27	200-025	Hexagon Bolt M8*30 GB5783-86	2
28	100-118	Plain Washer (for Kawasaki engine only)	1
29	200-031	Lock Washer 12 GB93-87 (for Kawasaki engine only)	1
30	200-050	Bolt 7/16-20, Engine (for Kawasaki engine only)	1
33	200-021	Plain Washer 8 GB95-85	4
34	200-024	Lock Washer 8 GB93-87	4
35	148-014	Bushing, Belt Guide IV (for 48")	1

32”, 36” & 48” Handle Control Assembly



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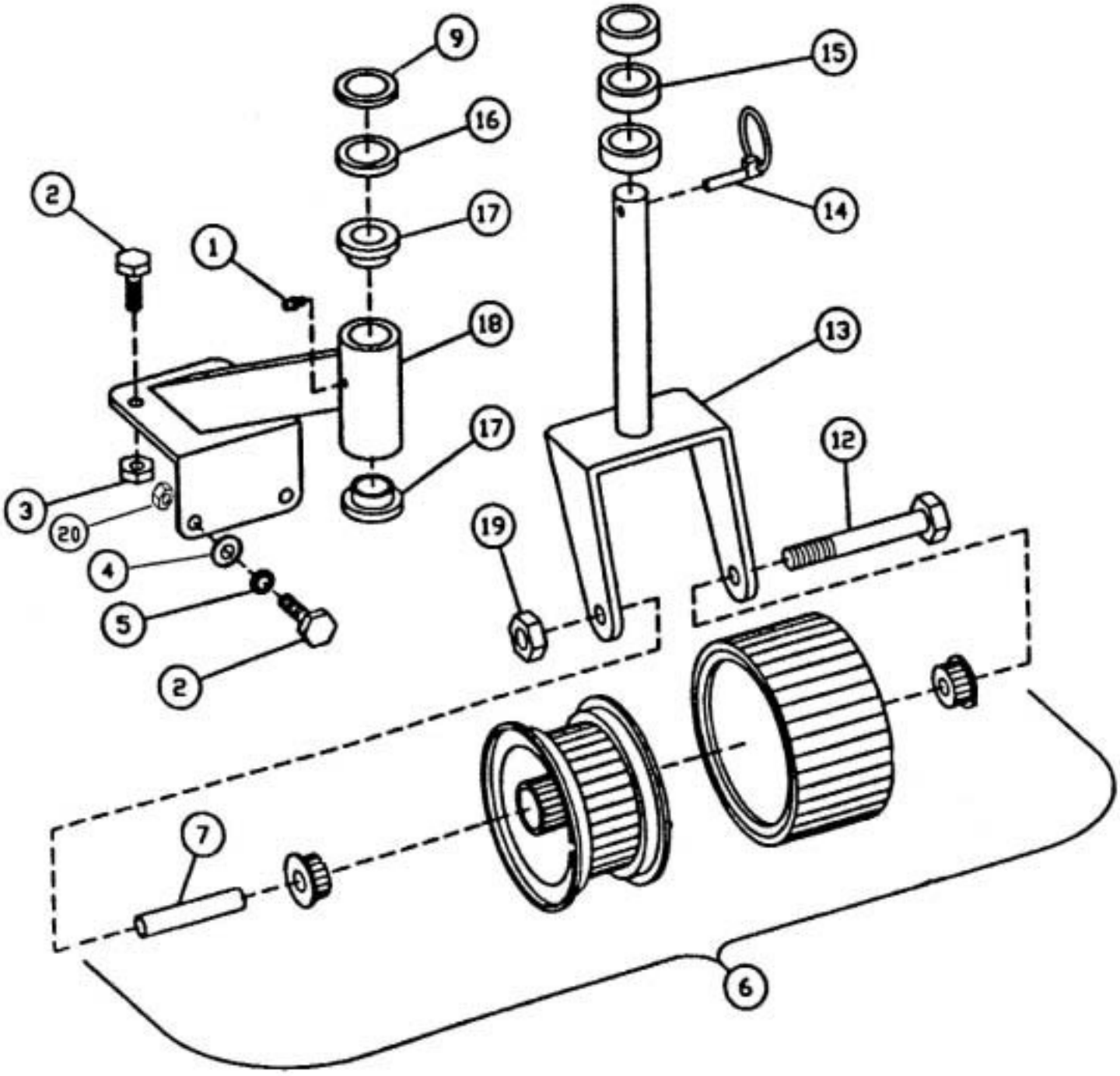
32”, 36” & 48” Handle Control Assembly

Item No.	Part Number	Description	Qty
1	100-072	Handle Grip	2
2	200-051	Nut M6 GB923-88	2
3	100-073	Traction Control Lever	2
4	100-074	Traction Rod	1
5	100-075	Clevis Pin Traction Control Lever	2
6	100-076	Roll Pin	4
7	100-077	Opc Spring	2
8	200-052	Hexagon Bolt M10*45 GB5782-86	4
9	100-018	Swivel	3
14	200-021	Plain Washer 8 GB95-85	2
15	200-053	Lock Washer 6 GB93-87	2
16	100-017	Blade Rod	1
17	200-047	Snap-Ring 16 GB894.1-86	1
18	100-120	Plain Washer 2*16 id*26 od	2
19	200-014	Cotter Pin 2*20 GB91-86	3
20	100-078	Bell Crank	1
21	200-026	Grease Fitting M6 GB1152-89	1
22	100-079	Bell Crank Mount Bracket	1
23	100-080	Blade Rod Traction Control Lever	1
26	200-054	Hair Pin Cotter 2	1
28	200-006	Nylon Nut M10 GB889-86	5
29	200-010	Plain Washer 10 GB95-85	4
30	100-081	Compression Spring	1
31	200-032	Hexagon Bolt M10*50 GB5782-86	1
33	100-082	Blade Control Lever	1
34	100-045	Flat Grip	1
35	100-083	Flange Bushing	4
36	100-084	OPC Lever RH	1
37	100-085	OPC Lever LH	1
38	200-055	Hexagon Bolt M6*50 GB5782-86	2
39	200-014	Cotter Pin 2*20 GB91-86	2
40	100-086	Clevis Pin, Opc Lever	2
41	100-087	Bushing, Traction Lock	2
42	100-088	Traction Lock with Grip, LH	1
43	100-089	Traction Lock with Grip, RH	1
44	100-090	Top Handle Weldment	1
45	200-042	Plain Washer 6 GB95-85 (not shown)	2
46	100-091	Throttle Control	1
47	200-012	Bolt M5*20 GB818-85	2
48	200-013	Nylon Nut M5 GB889-86	2

32”, 36” & 48” Front Caster Assembly



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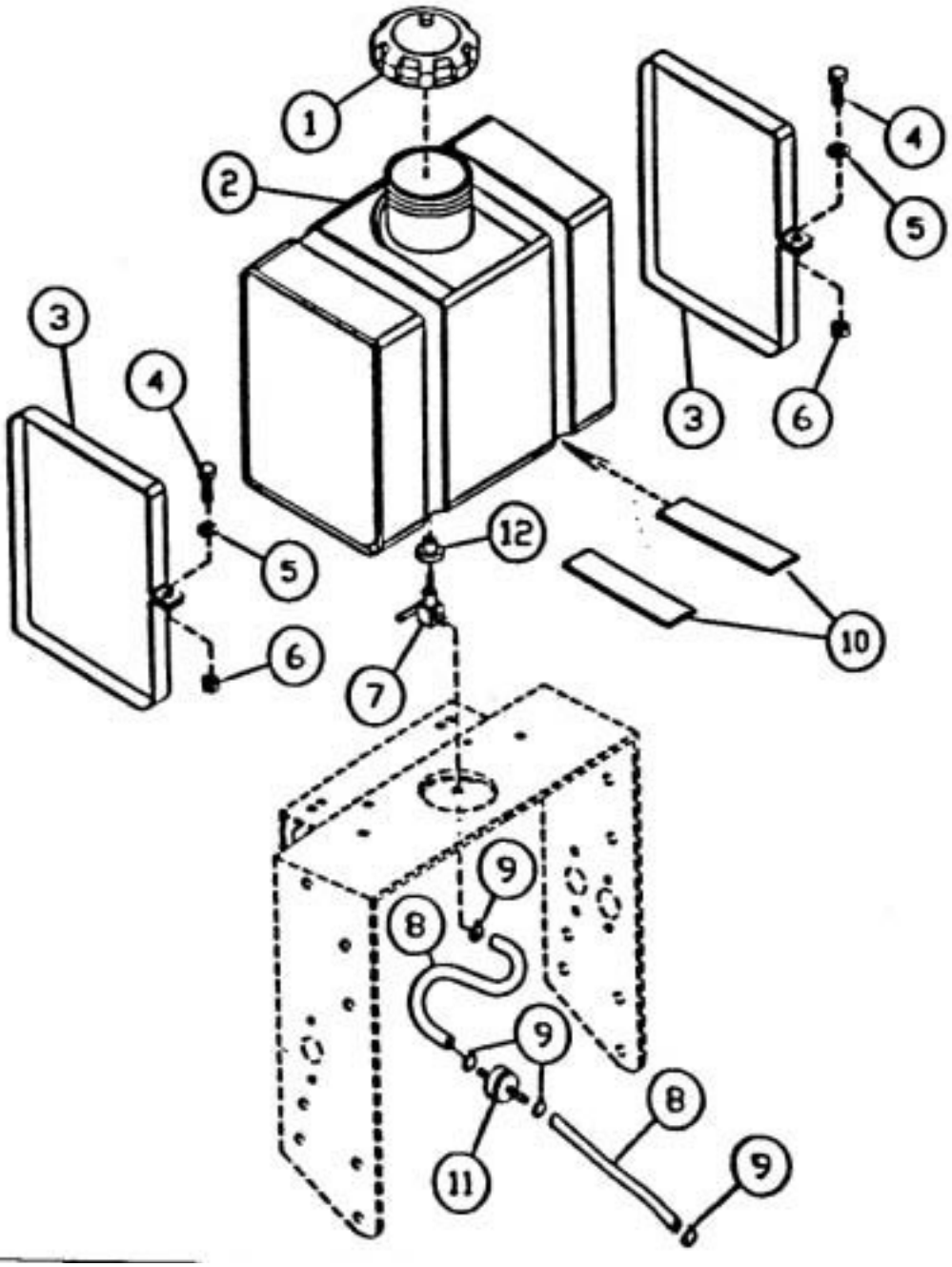
32”, 36” & 48” Front Caster Assembly

Item No.	Part Number	Description	Qty
1	200-026	Grease Fitting M6 GB1152-89	4
2	200-003	Hexagon Bolt M10*25 GB 5783-86	8
3	200-006	Nylon Nut M10 GB889-86	4
4	200-010	Plain Washer 10 GB95-85	4
5	200-031	Lock Washer 10 GB93-87 (For 32" & 36")	2
6	100-092	Castor Wheel Assembly W	2
7	100-093	Pivot Tube, Castor	2
9	100-015	Plain Washer 2*26 id *38 od	2
12	200-057	Hexagon Bolt M12*140 GB5782-86	2
13	100-096	Castor Yoke	2
14	100-097	Lynch Pin	2
15	100-098	Spacer 13	6
16	100-099	Spacer 6.5	2
17	100-100	Bushing, Castor	4
18	100-101	Castor Support	2
19	200-007	Nylon Nut M12 GB889-86	2
20	200-006	Nylon Nut M10 GB889-86 (For 48")	4

32”, 36” & 48” Fuel Tank Assembly



Item No.	Part Number	Description	Qty
1	100-102	Fuel Tank Cap	1
2	100-103	Fuel Tank Body	1
3	100-104	Fuel Tank Strap	2
4	200-058	Hexagon Bolt M6*50 GB5782-86	2
5	200-042	Plain Washer M6 GB95-85	2
6	200-009	Nylon Nut M6 GB889-86	2

Item No.	Part Number	Description	Qty
7	100-105	Fuel Shut Off Valve	1
8	100-106	Fuel Line	1
9	200-059	Fuel Line Clamp	4
10	100-107	Tank Pad	2
11	100-108	Fuel Filter	1
12	100-109	Tube Insert	1

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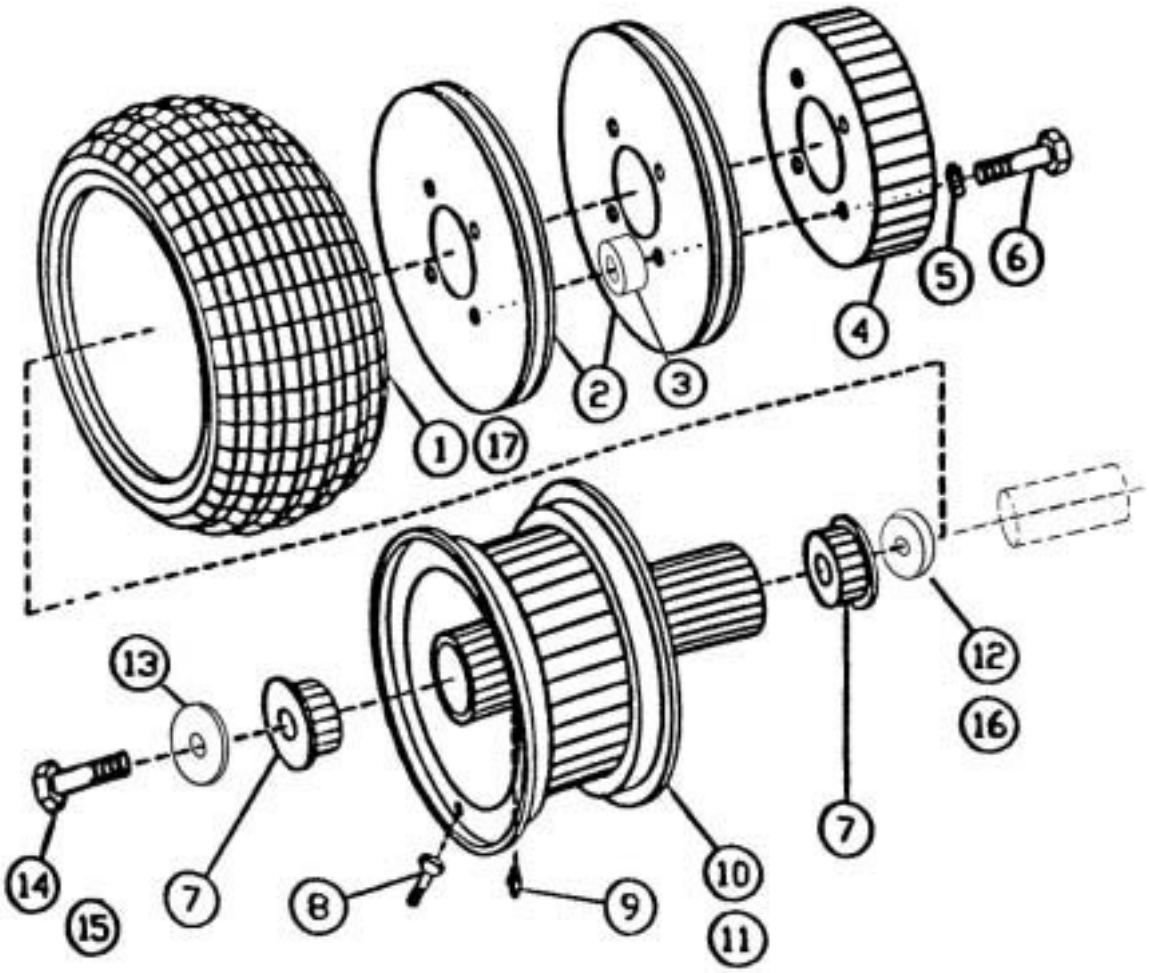
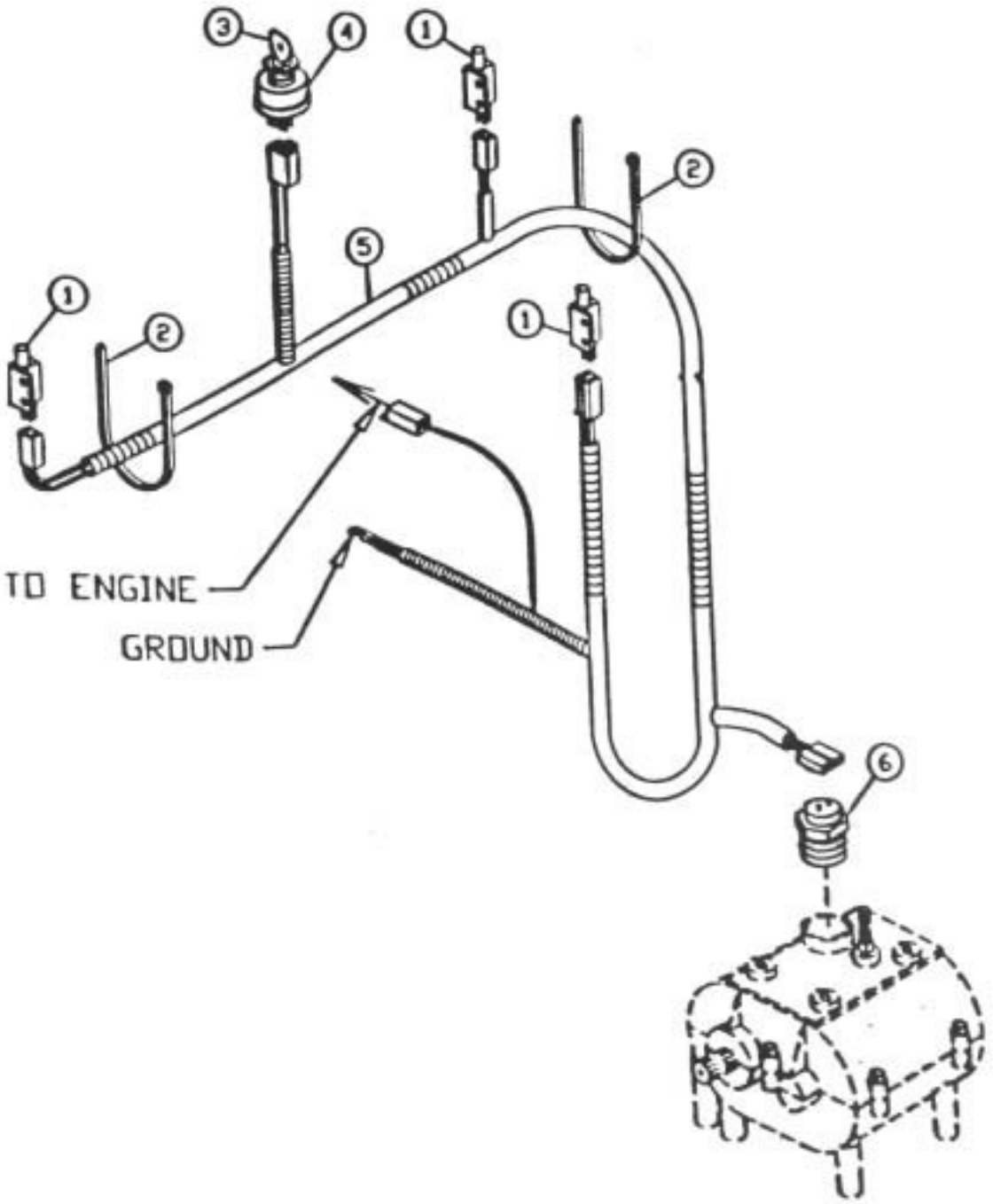
RED HAWK EQUIPMENT

32”, 36” & 48” Traction Wheel Assembly



Item No.	Part Number	Description	Qty
1	132-006	Tire 13X5.00-6 (For 32")	2
2	100-110	Pulley, Traction	4
3	100-111	Spacer 11.5	8
4	100-112	Brake Hub	2
5	200-024	Lock Washer 8 GB93-87	8
6	200-060	Bolt M8*40 GB787-86	8
7	200-061	Bearing 6005 2RS	4
8	100-113	Valve	2
9	200-026	Grease Fitting M6 GB1152-89	2
10	132-007	Rim 32"	2
11	148-013	Rim 36" & 48"	2
12	100-098	Spacer 13 (For 32")	4
13	100-019	Plain Washer 3*10.5 id*38 od	2
14	100-119	Bolt M10 (left)	1
15	200-003	Hexagon Bolt M10*25 GB5782-86	1
16	100-099	Spacer 6.5 (for 36" & 48")	2
17	148-012	Tire 13X6.50-6 (for 36" & 48")	2
	132-008	Wheel Assembly for 32" (includes # 1, 7, 8, 9, 10)	2
	148-015	Wheel Assembly for 36", 48" (includes # 7, 8, 9, 11, 17)	2

32”, 36” & 48” Electrical Components



Item No.	Part Number	Description	Qty
1	100-060	Switch	3
2	200-062	Wire Tie	4
3 & 4	100-114	Key Switch & Key	1
5	100-115	Wiring Harness	1
6	100-055	Neutral Switch Transmission	1

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RED HAWK EQUIPMENT

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Owner's Manual For Red Hawk 32", 36" & 48" Commercial Belt-Drive Mowers

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RED HAWK EQUIPMENT

NOTES

About This Manual

This owner's manual is considered a permanent part of the mower. It must be available to all of the operators and/or person(s) servicing the mower. Should the mower be resold, this manual must remain with the mower.

All information, illustrations, and specifications contained in this manual were in effect at the time of publication. Red Hawk Mowers reserves the right to change, modify, and/or discontinue specifications and/or design without notice. If there is a change that has been made to your mower which is not shown or reflected in this manual, please see your authorized Red Hawk mower dealer before operating and/or servicing the equipment.

Congratulations on the purchase of your new Red Hawk commercial mower. We at Red Hawk Mowers are confident that this mower will provide you with years of excellent performance, durability, and trouble free service when operated and maintained as directed in this manual.

Should you ever have any questions regarding the operation, maintenance, or safety of your mower, please contact your authorized Red Hawk mower dealer who has been specially trained on operation and service of Red Hawk mower.

A space has been provided below to record information about your new Red Hawk mower. Please take time to record such information for future reference, especially when you contact an authorized Red Hawk mower dealer with questions.

Date Purchased: _____

Model Number: _____

Serial Number: _____

Purchased From: _____

_____

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Warranty Statement

Red Hawk Mowers are warranted for one (1) year from the original date of purchase against defects in material or workmanship, when operated and maintained in accordance with the Red Hawk Owner's Manual. The transmission is warranted by Peerless. Red Hawk Mowers will replace or repair, free of charge, any part of the original equipment returned to us or our authorized servicing representative with transportation or postage prepaid and which upon examination shall be defective. The cost of replacing items that are subject to normal wear, such as but not limited to: air filters, belts, blades, oil filters, and tires, will be borne by the purchaser/owner unless such wear was caused by a defect in material and workmanship. Engines are warranted by the engine manufacturer. Please see engine owner's manual for engine warranty.

This warranty does not cover any mower that has been subject to neglect, negligence, misuse, or accident, or that has been operated in any way contrary to the operating instructions as specified in the Red Hawk Owner's Manual. This warranty does not cover any mower that has been altered or modified changing performance or durability. In addition, the warranty is not extended to repairs made necessary by the use of parts or accessories which, in the reasonable judgement of Red Hawk Mowers are compatible with the mower or adversely affect its operation, performance, or durability. This warranty is not transferrable.

Red Hawk Mowers assumes no responsibility or incidental, consequential, or other damages including, but not limited to: expense for gasoline, expense of delivering the mower to a Red Hawk mower authorized dealer and expense of returning it to the owner, mechanic's travel time, telephone or communication charges, rental of a like product during the time warranty repairs are being performed, travel, loss or damage to personal property, loss of revenue, loss of the use of the time or inconvenience. There are no other expressed or implied warranties and liability for consequential damages under this warranty and are excluded to the extent exclusions are permitted by law.

No warranty service will be authorized until your registration card has been received by Red Hawk Mowers.

SAFETY INFORMATION

Read This Manual Carefully And Thoroughly Before Operating The Mower!

Training

1. Carefully and thoroughly read the owner's manual. Allow adequate time to fully understand the controls and operation of the equipment.
2. Never allow anyone to operate the mower that has not read and fully understood the owner's manual.
3. Do not carry passengers. Avoid mowing while people, especially children and pets are nearby, since rotating blades can throw rocks and other items with enough force to cause serious injury.

Before Use of Equipment

Operator:

Wear protective clothing while mowing. Long trousers and safety glasses will help reduce the risk of injury from thrown objects. It is recommended that steel toe shoes with aggressive soles or some other type of substantial footwear be worn to help protect your feet and maintain traction on slopes or uneven ground. Always wear hearing protection.

Mowing Area:

Thoroughly inspect the area where the equipment is to be used. Look for items such as stones, sticks, wire and other foreign objects. When struck by the mower, these and other objects my become projectiles that could lead to serous injury and/or death.

Mower:

For your safety and the long life of your mower, always inspect the mower before each use. Before inspection, make sure it is on a flat and level surface, the blades are disengaged, the ignition switch off with the key removed, and the spark plug wire is off of the spark plug(s) and hidden so that accidental contact can not be made.

General Condition:

- Walk around the mower looking for any fluid spills or leaks on or underneath the mower. Remove any and all excessive debris, dirt, and/or fluids.
- Look for signs of damage or excessive wear. Check the tightness of all nuts, bolts, pins, and screws. Tighten any that may be loose and replace any that may have been lost during use.
- Be sure the safety interlock controls are operating properly so that the engine can not be started unless the ground speed control lever is in neutral and the blades disengaged.
- Check the mower blades for any damage or abnormal wear and replace in sets so that they are balanced.
- Check the tire pressure on all four tires. See page 15 for details.
- Check all belts for proper wear and correct tension. See pages 17-19 for details.
- Check engine oil and air filters as recommended in the engine manufacturers' operators manual.

Operation of Equipment

DANGER: GASOLINE IS HIGHLY FLAMMABLE AND EXPLOSIVE. DO NOT ADD FUEL WHILE THE ENGINE IS RUNNING OR IS HOT. KEEP OPEN FLAMES, SPARKS, AND HEAT AWAY FROM THE FUEL AND STORE FUEL IN CONTAINERS SPECIFICALLY DESIGNED FOR THAT PURPOSE. ADD FUEL OUTDOORS ONLY AND IF THE FUEL IS SPILLED, DO NOT START THE ENGINE. MANUALLY PUSH THE MOWER AWAY FROM THE SPILL AND IMMEDIATELY WIPE UP.

Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect. Carbon monoxide is odorless, tasteless, and can be fatal.

Mow only in daylight.

Make sure the mower is in neutral and the blades are disengaged before attempting to start the engine.

Do not stop or start suddenly when going uphill. Never use riding attachments on slopes since there is an increase risk that they might roll over.

Avoid steep slopes and use extreme caution when changing directions or speed when operating on a slope.

Be extremely careful when operating on a slope or when the grass is damp or wet. Reduced traction could cause sliding. Never mow by pulling the mower back towards you...you might slip.

Watch for traffic when crossing surfaces other than grass. (i.e. transporting,) loading a trailer or vehicle, or when the mower is not in use.

Never operate the mower with defective guards, shields, or without the safety devices securely mounted in place.

Never direct discharge of material toward bystanders nor allow anyone near the mower while in operation.

Do not change the governor settings or over speed the engine.

Always stop the engine whenever you leave the mower, even for a moment.

To help reduce the risk of a fire hazard, keep the engine and the area around the engine free of grass, leaves, or any other type of foreign material.

Beware of cutting edges. Always wear gloves for safety when performing blade maintenance activities. Beware on multiple blades units since the rotation of one blade may cause the rotation of the other blade.

Do not store or operate the mower with the grass chute deflector in raised position. Serious injury could occur.

SAFETY INFORMATION DECALS

The following labels are intended to alert you to potential hazards and to provide you with important safety information. Should these decals become difficult to read or are missing from the mower, contact your Red Hawk Mower dealer for a replacement.

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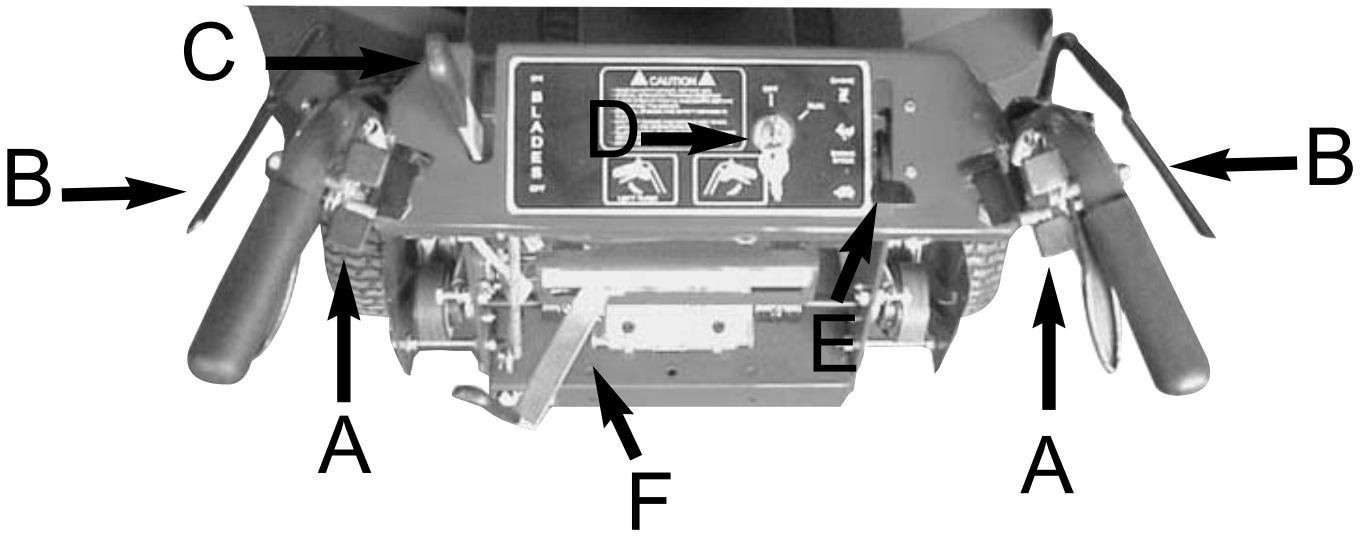
RED HAWK EQUIPMENT

OPERATING THE MOWER

It is recommended that before you operate the mower, you allow adequate time to fully understand the controls and operation of the equipment. When reading this manual, it is recommended that you do so with the equipment nearby for quick orientation, reference of controls and maintenance adjustments.

Operating Controls

Before continuing to read the manual, it is recommended that you take adequate time to identify the controls of the mower.



"A" Traction Lever Locks
"B" Operator Presence Controls
"C" Blade Control Lever
"D" Key Switch
"E" Throttle/Choke Control
"F" Gear Shift Lever

Starting The Engine:

DANGER: DO NOT OPERATE THE ENGINE IN A CONFINED SPACE WHERE DANGEROUS CARBON MONOXIDE FUMES CAN COLLECT. CARBON DIOXIDE IS ODORLESS, TASTELESS, AND CAN BE FATAL.

After going through the steps as discussed on pages (6) and (7), you are now ready to start the engine. NOTE: THIS UNIT WAS SHIPPED WITHOUT THE GAS, BE SURE TO ADD FRESH GAS AND TO DOUBLE CHECK THE OIL IN THE ENGINE BEFORE ATTEMPTING TO START THE MOWER.

1. Make sure that the shut off valve, located at the bottom of the fuel tank is in the "ON" position (figure 2).
2. Make sure that the traction control lever are in the neutral position(figure 3)
3. Make sure that the gear shift lever is in the neutral "N" position (figure 4)
4. Make sure that the blade control lever is in the "OFF" position. NOTE: The safety interlock system will prevent the engine from being started if the blade control lever is not in the "OFF" position and the gear shift lever is not in the neutral "N" position.
5. Slide the engine speed control to the " " position, or to "CHOKE" if the engine is cold.
6. Turn the key clockwise to the "RUN" position.
7. Slowly pull the start cord on the engine until just past compression. STOP! Return the start cord and then pull firmly with a smooth, steady motion to start the engine.
8. When the engine starts to run, slowly return the engine speed control out of "CHOKE" to the desired engine speed.

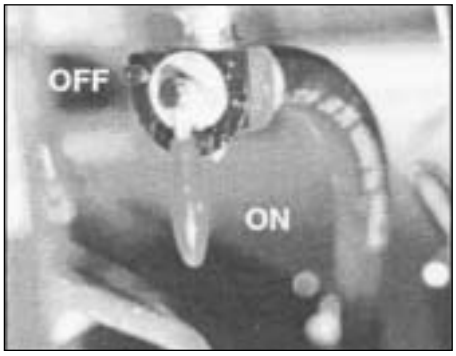


Figure 2

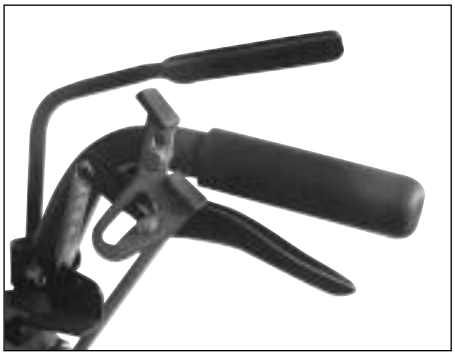


Figure 3


Figure 4

Going Forward:

CAUTION Become totally familiar with the operation and characteristics of the mower before attempting to actually mow with it.

1. Making sure that the traction control levers are in the neutral position, push down and hold the operator presence control lever "A" on the handle grips with one hand (Figure 5).
2. With the other hand, move the gear shift lever to the desired speed. "1" is slow and "5" is for transporting the mower between mowing areas (Figure 4). It is recommended that you start out in "1" and then increase your ground speed to match the mowing conditions.
3. Release the traction control lever locks by squeezing up both traction control levers "C" only as much as needed while at the same time applying forward pressure in the traction control lever locks "B" with your thumbs.
4. Slowly and evenly, let both traction control levers down simultaneously and the mower will start to go forward (Figure 5). NOTE: If the operator lets go of both operator presence control levers while either the blade control lever is in "ON", and/or the gear shift control lever is out of the neutral position the safety interlock system will stop the engine. To restart the mower, reset all controls to the "OFF" position and neutral "N" positions.

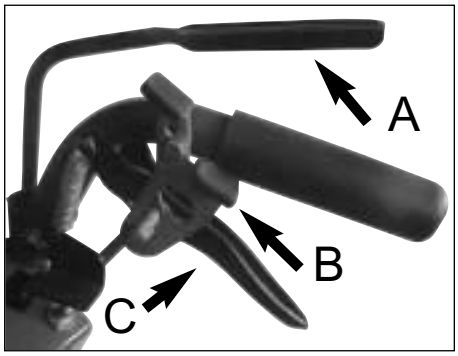


Figure 5

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Turning The Mower

To turn the mower in the direction you want to go, gently squeeze the side's traction control lever (i.e. to go right, squeeze the right traction control lever; to go left, squeeze the left traction control lever). The more a particular traction control lever is squeezed, the sharper a turn the mower will make.

Stopping The Mower

To stop the mower, gently and evenly squeeze up on both of the traction control levers until the mower comes to a complete stop. Then with your thumbs, push down on the traction lever locks until the levers are securely locked in the neutral position. While still holding down with one hand the operator presence controls, move the gear shift lever to the "N" position with the other hand. If the operator is leaving the operator's position behind the mower for any reason, disengage the blades, shut the engine off, and remove the key.

If you are leaving the operator's position, try to park the mower on level ground. If it is not possible to do such, be sure to block the wheels to prevent the mower from rolling away.

Using The Reverse Assist

1. Slowly and evenly squeeze up on both control levers until the mower comes to a complete stop and then with your thumbs, push down on the traction lever locks until the levers are securely locked in the neutral position.
2. While still holding down the operator presence control with one hand, use the other and pull the blade control lever to the "OFF" position.
3. Shift the gear shift lever to the reverse "R" position.
4. Release the traction control lever locks by squeezing by both traction control levers only as much as needed while at the same time, applying forward pressure on the traction control lever locks with your thumbs.
5. Slowly and evenly, let both traction control levers down simultaneously and the mower will start to go in reverse. **Always use extreme caution when moving the mower backwards and never move the mower downhill backwards.**
6. To stop the mower, slowly and evenly squeeze up on both control levers until the mower comes to a complete stop and then with your thumbs, push down on the traction lever locks until the levers are securely locked in the neutral position and return the gear shift lever to neutral "N".

Mowing

DANGER: THOROUGHLY INSPECT THE AREA WHERE THE EQUIPMENT IS TO BE USED. LOOK FOR ITEMS SUCH AS STONES, STICKS, WIRE, AND OTHER FOREIGN OBJECTS. WHEN STRUCK BY THE MOWER, THESE AND OTHER OBJECTS MAY BECOME PROJECTILES THAT COULD LEAD TO SERIOUS INJURY AND OR DEATH. CLEAR AREA OF ALL DEBRIS AND KEEP PEOPLE AND PETS AWAY.

DANGER: DO NOT OPERATE THE MOWER WITH DEFECTIVE GUARDS, SHIELDS, OR WITHOUT THE SAFETY DEVICES SECURELY IN PLACE.

For the highest quality of cut and performance, always mow with the engine at full throttle. Quality of cut may be determined by the ground speed and speed of the mower. Generally, the slower the mower travels across the terrain, the better the cut.

1. With the mower at the beginning of the area to be mowed and traction control levers in the neutral position, hold down with one hand the operator presence control.
2. With the other hand, slowly push the blade control lever forward to the "ON" position.
3. Move the gear shift lever to the desired speed. Always begin at a slow ground speed and increase only as the condition of the terrain warrants.
4. Slowly and evenly, engage the traction control levers and begin mowing.
5. To stop mowing, slowly and evenly squeeze up on both traction control levers until the mower comes to a complete stop and then with your thumbs, push down on the traction lever locks until the levers are securely locked in the neutral position. Return the gear shift lever to the neutral "N" position.
6. Pull the blade control lever back to the "OFF" position.

Changing The Height Of Cut:

DANGER: BEFORE MAKING ANY ADJUSTMENTS AND/OR SERVICING YOUR MOWER, MAKE SURE THE MOWER IS ON LEVEL GROUND, BLADES DISENGAGED, KEYS REMOVED, AND THE ENGINE OFF WITH THE SPARK PLUG WIRE(S) REMOVED FROM THE SPARK PLUGS(S) TO PREVENT ACCIDENTAL CONTACT.

When your Red Hawk mower is shipped from the factory, the mowing height is set at 2-1/2". The mowing height may be raised or lowered using a combination of front wheel spacers and blade bolt assembly spacers. It is recommended that you first set your height of cut to the highest level using the blade spacers and then lower the height of cut using the front wheel spacers.

Measuring The Height Of Cut:

DANGER: BEFORE MAKING ANY ADJUSTMENTS AND/OR SERVICING YOUR MOWER, MAKE SURE THE MOWER IS ON LEVEL GROUND, BLADES DISENGAGED, KEYS REMOVED, AND THE ENGINE OFF WITH THE SPARK PLUG WIRE(S) REMOVED FROM THE SPARK PLUGS(S) TO PREVENT ACCIDENTAL CONTACT.

CAUTION Beware of the cutting edges on the blades. The rotation of one blade may cause the other blade(s) to rotate. Always wear work gloves when handling blades.

1. Park the mower on level ground.
2. **With the blade control lever in the "OFF" position, the engine off with the key removed, and the spark plug wire (s) removed from the spark plug(s)**, reach through the discharge chute and slowly rotate the blade so that the length of the blade is going from the front of the mower towards the rear.
3. Using a tape measure or small ruler, measure the distance from the front tip of the blade's cutting edge to the ground. As a general rule, if measuring the cutting height on a hard surface such as concrete, the mower will usually mow about 1/4" lower in grass due to the weight of the machine.

Removing And Adjusting The Blades:

CAUTION Beware of the cutting edges on the blades. The rotation of one blade may cause the other blade(s) to rotate. Always wear work gloves when handling blades.

1. Park the mower on level ground and block the rear wheels to prevent accidental rollback.
2. Raise the front end of the mower using a jackstand
3. Using two (2) 15/16" box end wrenches, use one wrench to loosen nut "A" while holding blade bolt "C" with the other wrench (Figure 6).
4. Slide the blade bolt down through the mower deck and out.
5. To raise the blades to the height desired, remove the appropriate amount of spacers from the blade bolt. Example: If the height of cut needs to be raised 1/2", move two (2) of the 1/4" spacers "B" on each blade from underneath the mower (Figure 6) to the top of the mower (Figure 7).
6. Reinsert the blade bolt through the cutting deck.
7. Install the blade spacers that were removed, back onto the blade bolt followed by the nut and tighten (Figure 6). **IMPORTANT:** The amount of spacers should always be the same on each blade bolt. Never put the spacers below the blade.

Adjusting The Front Wheels: (refer to Figure 8)

1. Raise and support the front of the mower with a jackstand.
2. While supporting the front wheel with one hand, remove the flip pin from the wheel shaft.
3. Remove the wheel from the front wheel support arm being careful not to loose the spacers.
4. Remove the amount of spacers desired to lower the height of cut.
5. Reinsert the wheel through the support arm.
6. Reinstall the spacers on the top that were removed from the bottom and then secure with the flip pin.
7. To raise the height, repeat steps 1-3, but take the spacers from the top of the wheel support arm, and put them on the bottom.

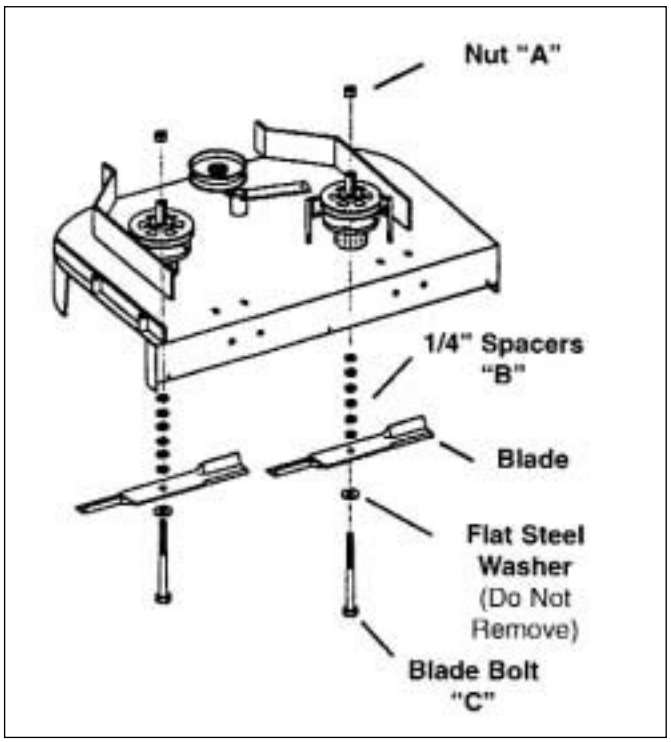

Figure 6

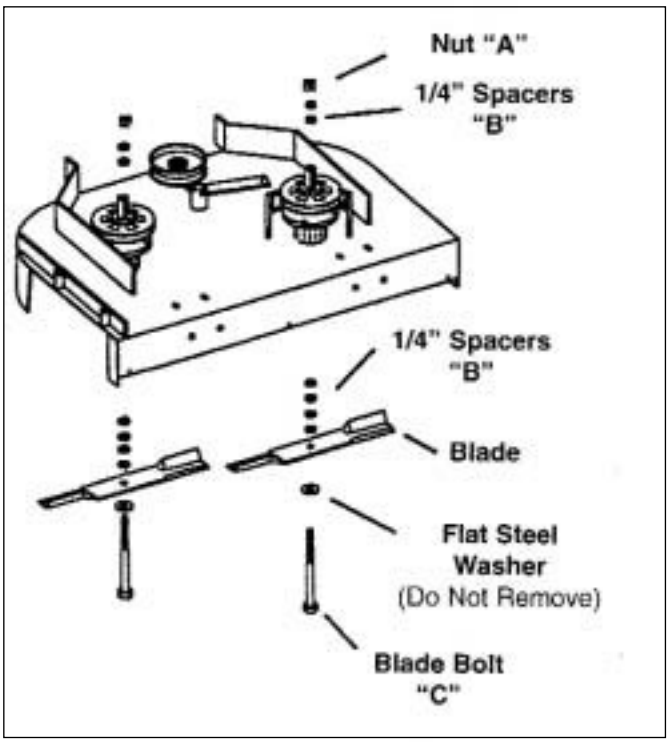

Figure 7

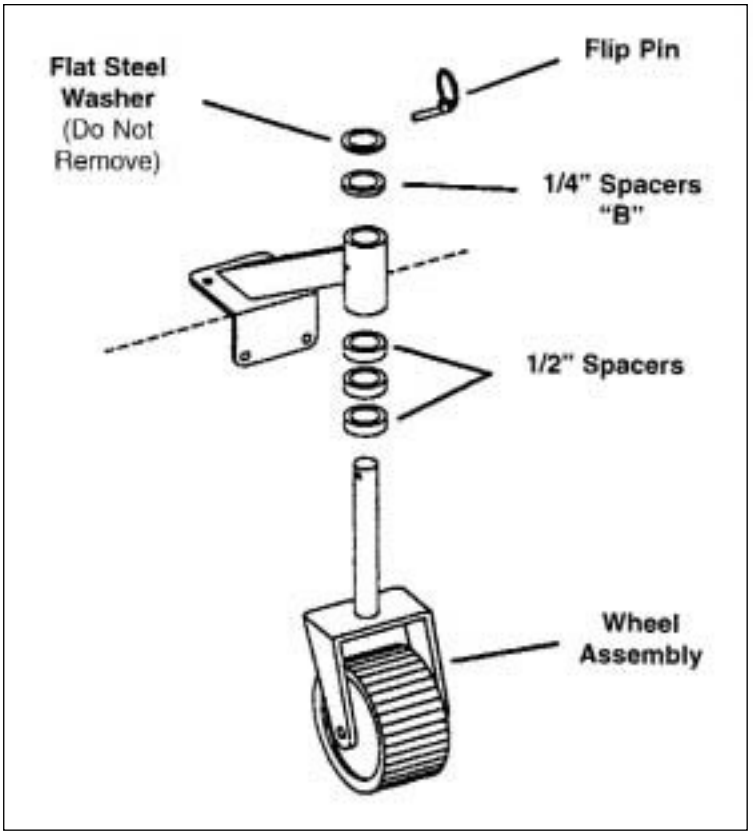

Figure 8

GENERAL MAINTENANCE

Proper maintenance and adjustment of your Red Hawk mower is necessary to keep the mower in good and safe condition. The maintenance of the mower is the responsibility of the owner/operator and must be performed at regular intervals. When replacing any parts of servicing your mower, be sure to use only genuine Red Hawk mower replacement parts to assure quality and performance of your mower.

DANGER: BEFORE MAKING ANY ADJUSTMENTS AND/OR SERVICING YOUR MOWER, MAKE SURE THE MOWER IS ON LEVEL GROUND, BLADES DISENGAGED, KEY REMOVED, AND THE ENGINE OFF WITH THE SPARK PLUG WIRE(S) REMOVED FROM THE SPARK PLUGS(S) TO PREVENT ACCIDENTAL CONTACT. IF ADJUSTMENT OR MAINTENANCE IS BEING PERFORMED AFTER OPERATION OF THE MOWER, ALLOW THE UNIT TO COOL SINCE HEAT BUILD UP COULD CAUSE SEVERE BURNS.

Maintenance Schedule

Item	Procedure	Time Interval				
		Break-in (first 5 hrs)	Every 8 hours (Daily)	Every 40 hours (Weekly)	Every 100 hours (Bi-weekly)	Every 200 hours (Monthly)
Belts	Inspect (adjust if needed)	•	•			
Blades	Inspect and Sharpen		•			
Engine Air Filter	Inspect (See Engine Owner's Manual)		•			
Engine Cooling Areas	Clean (See Engine Owner's Manual)				•	
Engine Oil	Check(See Engine Owner's Manual)		•			
	Change (See Engine Owner's Manual)	•			•	
Engine Oil Filter	Change (See Engine Owner's Manual)	•				•
Engine Spark Plug (s)	Inspect (See Engine Owner's Manual)					•
Fuel Filter	Replace				•	
Fuel Line	Check				•	
	Replace	Every 2 years				
Grease Fittings	Refer to Page 16					
Hardware	Check for proper tightness	•		•		
Mower Main Frame	Remove debris from under belt cover		•			
Safety Interlock System	Check Operation and Switches		•			
Tires	Check Air Pressure			•		

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RED HAWK EQUIPMENT

Fuel

DANGER: GASOLINE IS HIGHLY FLAMMABLE AND EXPLOSIVE. DO NOT ADD FUEL WHILE THE ENGINE IS RUNNING OR IS HOT. KEEP OPEN FLAMES, SPARKS, AND HEAT AWAY FROM THE FUEL AND STORE FUEL IN CONTAINERS SPECIFICALLY DESIGNED FOR THAT PURPOSE. ADD FUEL OUTDOORS ONLY AND IF THE FUEL IS SPILLED, DO NOT START THE ENGINE. MANUALLY PUSH THE MOWER AWAY FROM THE SPILL AND IMMEDIATELY WIPE UP.

Refer to the Engine Owner's Manual for the type of fuel to use.

A fuel shut off valve is located on the bottom of the fuel tank. (Refer to Figure 2, page 10). It is recommended that the fuel be shut off when transporting between job sites and when storing the mower for extended periods of time.

Engine Oil

CHECK THE ENGINE OIL BEFORE EACH USE. Refer to the Engine Owner's Manual for the type of oil, oil change intervals,and the proper procedures to check and change oil.

Air Filter

Refer to the Engine Owner's Manual for the recommended maintenance.

Tire Pressure

The recommended tire Pressure for all four (4) wheels is 28 P.S.I. Incorrect tire pressure may cause the mower to pull to one side and/or an uneven cut. **Always use caution when filling the tire and never exceed the recommended tire pressure.**

Blade

DANGER: BEFORE WORKING ON THE BLADES, MAKE SURE THE ENGINE IS OFF, KEY REMOVED, AND THE SPARK PLUG(S) WIRES REMOVED FROM THE SPARK PLUG (S) TO PREVENT ACCIDENTAL CONTACT.

CAUTION Beware of the cutting edges on the blades. Always wear work gloves when performing blade maintenance.

Blades should be inspected on a daily basis for nicks, bends, and or excessive wear. If the blades is worn, cracked, bent, or damaged, replace with a new blade immediately before using the mower. Use only genuine Red Hawk Mower replacement blades since substitute blades may not meet Red Hawk Mower specifications and may be dangerous.

To remove the blades, refer to page 12, section "Removing And Adjusting The Blades."

When sharpening the blades, sharpen only the cutting edges and try to maintain the original angle of the blade. Do not make the cutting edge "razor sharp" and remove the same amount from each side of the blade so that balance is maintained.

Cleaning The Mower

It is recommended that the mower be cleaned in a daily basis. Excessive accumulation of dirt, debris, oil, etc., causes premature wear on the components and may present a potential safety hazard.

Lubrication Points

To assure proper lubrication on moving parts, it is recommended that you lubricate the following components with a high-quality EP2 high temperature based grease or equivalent. Should the conditions of operation be more severe than normal, the lubrication interval may be shorter than recommended. GTR/OPE Grease is the recommended lubricant.

Transmission Output Shaft
(Left & Ride Sides)
Every 40 hrs./Weekly

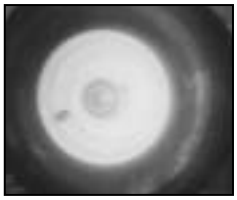
Blade Engagement Bellcrank
Every 40 hrs./Weekly

Blade Engagement Pivot
(Left & Right Sides)
Every 40 hrs./Weekly

Idler Arm Pivot
(Left & Right Sides)
Every 40 hrs/Weekly

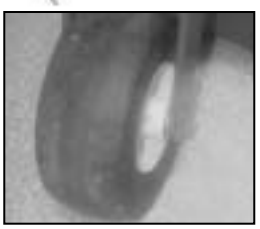
Cutterhousings
Every 100 hrs./Monthly

Wheel Brake Pivot
(Left & Right Sides)
Every 40 hrs/Weekly



Drive Wheel
(Left & Right Sides)
Every 40 hrs/Weekly

Front Caster Support
(Left & Right Sides)
Every 40 hrs/Weekly



Front Caster Wheel
(Left & Right Sides)
Every 40 hrs/Weekly

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RED HAWK EQUIPMENT

SERVICE ADJUSTMENTS

DANGER: BEFORE MAKING ANY ADJUSTMENTS AND/OR SERVICING YOUR MOWER, MAKE SURE THE MOWER IS ON LEVEL GROUND, BLADES DISENGAGED, KEY REMOVED, AND THE ENGINE OFF WITH THE SPARK PLUG WIRE(S) REMOVED FROM THE SPARK PLUG(S) TO PREVENT ACCIDENTAL CONTACT. IF ADJUSTMENTS OR MAINTENANCE IS BEING PERFORMED AFTER OPERATION OF THE MOWER, ALLOW THE UNIT TO COOL SINCE HEAT BUILD UP COULD CAUSE SEVERE BURNS.

Drive Belt Adjustment: (Refer to Figure 9)

1. Release the right side traction control lever into the engaged position. Move the gear shift lever into first "1" gear, and pull the mower backwards until the mower stops.
2. Remove hair pin cotter "A" and the flat washer from swivel "B".
3. Remove swivel "B" from idler arm "C".
4. Move traction control rod "D" until there is approximately 1/2" clearance between the bottom of the traction control rod and the bottom of the slot in traction control lever lock "A" (figure 10).
5. While holding the rod in place, rotate swivel "B" on the traction control rod "D" until the swivel realigns with the hole in idler arm "C". Push the swivel through the idler arm hole and secure with the flat washer and hair pin cotter. Repeat for the other side.

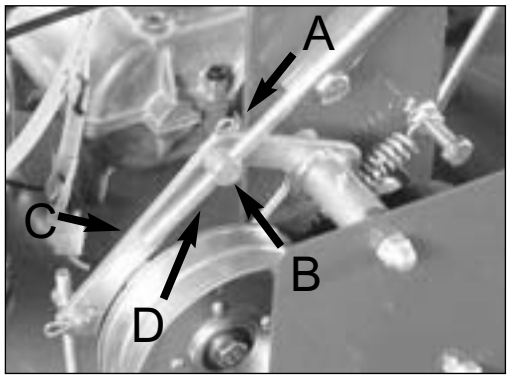

Figure 9

Wheel Brake Adjustment: (Refer to Figure 11)

1. Release the left side traction control lever into the engaged position.
2. Remove the hair pin cotter "A" from swivel "B".
3. Remove swivel "B" from idler arm "C".
4. To increase the amount of brake, rotate swivel "B" clockwise approximately 2 to 3 turns and insert swivel "B" back into idler arm "C".
5. Check the traction control lever for the proper amount of brake. Should more brake be necessary, repeat steps 3 and 4.
6. Once the proper amount of brake has been achieved, be sure to secure swivel "B" to idler arm "C" with the flat washer and hair pin cotter.
7. Repeat for the other side if needed.

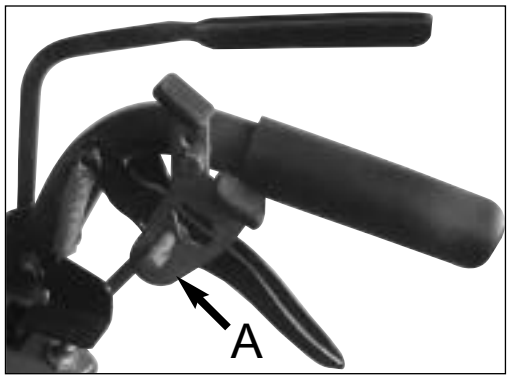

Figure 10

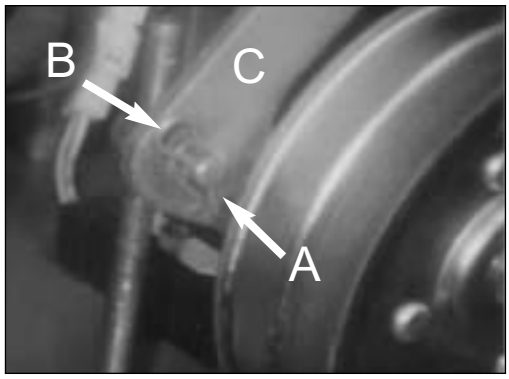

Figure 11

Engine To Blade Belt Adjustment (Refer to Figure 12)

DANGER: BEFORE MAKING ANY ADJUSTMENTS AND/OR SERVICING YOUR MOWER, MAKE SURE THE MOWER IS ON LEVEL GROUND, BLADES DISENGAGED, KEY REMOVED, AND THE ENGINE OFF WITH THE SPARK PLUG WIRE(S) REMOVED FROM THE SPARK PLUG(S) TO PREVENT ACCIDENTAL CONTACT. IF ADJUSTMENTS OR MAINTENANCE IS BEING PERFORMED AFTER OPERATION OF THE MOWER, ALLOW THE UNIT TO COOL SINCE HEAT BUILD UP COULD CAUSE SEVERE BURNS.

1. Remove the deck cover and move the blade control lever on the control console to the “ON” position.
2. With approximately 10 lbs. of pressure being applied on the engine to blade belt midway between the pulleys, (refer to the appropriate figure for your mower) the belt should move approximately 1/2”.
3. If the belt moves more than 1/2”, move the blade control lever back to the “OFF” position.
4. Remove hair pin cotter “A” and the flat washer from swivel “B” and pull the swivel from idler arm “C”.
5. Rotate swivel “B” clockwise, or towards the rear of the mower, approximately 2 to 3 turns. Reinsert swivel “B” back into idler arm “C” and secure with the flat washer and hair pin cotter.
6. Repeat steps 1 and 2 to check for proper tension. If more tension is needed, repeat steps 3-5 until the proper amount is achieved.
7. Replace deck cover.

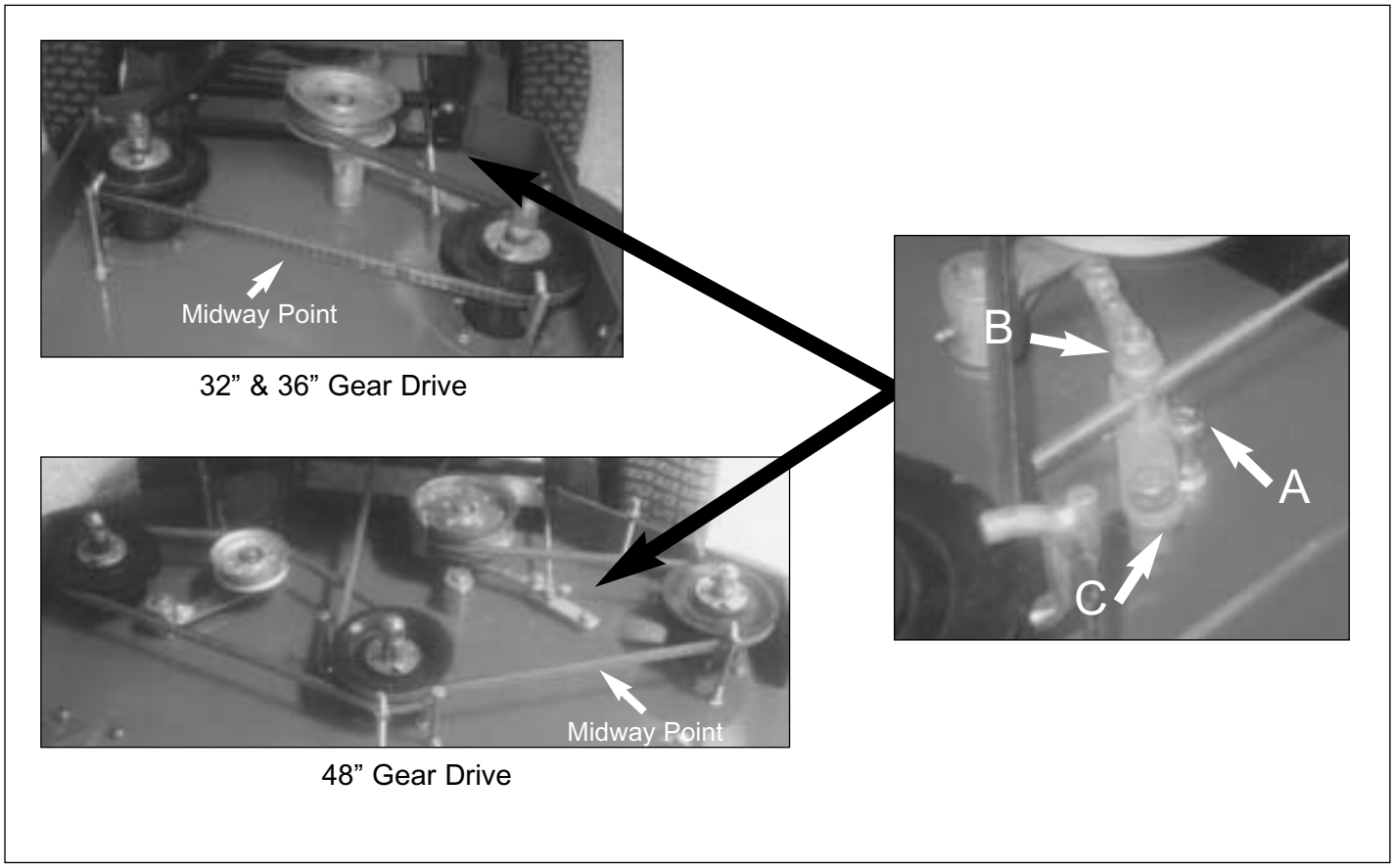

Figure 12

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48” Blade To Blade Belt Adjustment: (Refer to figure 13)

1. Remove the deck cover.
2. With approximately 10 lbs. of pressure being applied on the blade to blade belt, midway between the pulleys, the belt should move approximately 1/2”.
3. If the belt moves more than 1/2”, turn nut “A” clockwise approximately1-2 turn.
4. Recheck the tension on the blade to blade belt. If it is still loose repeat step 3. Important: Do not overtighten the blade to blade belt. Over tension can cause premature wear on belts and blade spindles.
5. Replace deck cover

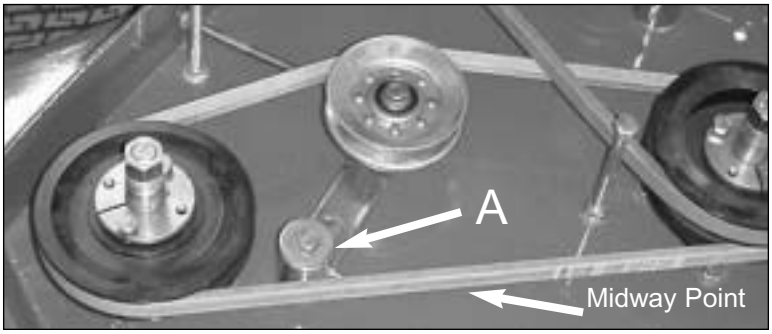

Figure 13

Engine To Transmission Belt Adjustment: (Refer to figure 14)

1. The engine to transmission belt, located underneath the rear deck, should move 3/16” with 5 lbs. of pressure applied midway on the belt between the transmission pulley and the engine output shaft pulley.
2. To adjust the belt, loosen nut “A” on idler pulley “B”.
3. Slide idler pulley “B” to tighten or loosen and secure in place by tightening nut “A”.

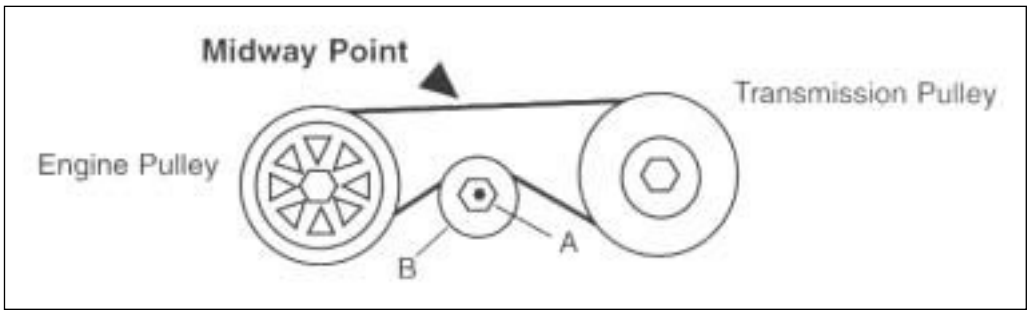

Figure 14

Safety System Adjustment: (Refer to figure 15)

DANGER: DO NOT BYPASS, MODIFY, ALTER, OR DISCONNECT THE SAFETY SYSTEM. MAKE SURE THAT THE SAFETY INTERLOCK SYSTEM IS FULLY OPERATIONAL EACH TIME BEFORE MOWING, FAILURE TO DO SO COULD PRESENT DANGER TO YOU AND OTHERS AROUND YOU.

1. Move the blade control lever to “OFF”.
2. Loosen screws “A” until safety switch “B” moves freely.
3. Slide safety switch “B” firmly against blade bellcrank “C”.
4. Tighten screws “A” and check that safety switch “B” does not move.

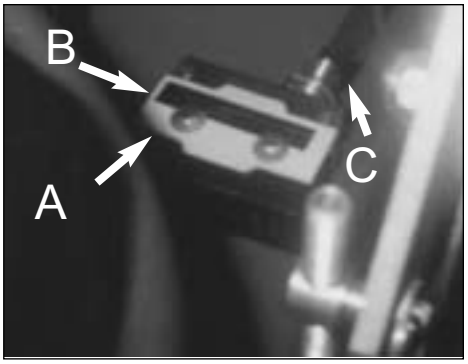

Figure 15

TROUBLE SHOOTING

Problem	Possible Cause	Solution
Engine Does Not Start	Key in the OFF position	Turn key to ON
	Transmission shift lever not in the neutral position	Move lever into the neutral (Page 10).
	Blade control not in the OFF position	Move blade control lever to OFF
	Fuel tank empty	Fill fuel tank
	Fuel shut-off valve closed	Open fuel shut off (Page 10)
	Safety interlock switches out of adjustment	Adjust switches (Page 19)
	Throttle control not in the choke position	Move throttle control to choke
	Spark plug loose or disconnected	Connect spark plug wire
	Bad spark plug	Replace
	Dirty air filter	Replace
	Clogged fuel filter	Replace
	Bad fuel	Drain and refill with fresh fuel
Engine Starts Hard Or Loose Power	Dirt or water in the fuel tank	Drain and clean fuel tank
	Clogged or dirty fuel filter	Replace
	Air filter dirty	Replace
	Faulty spark plug	Replace
	Incorrect oil level	Check and adjust
Engine Overheats	Dirt in fuel line	Clean and replace
	Dirty grass screen	Clean
	Incorrect oil level	Check and adjust
	Dirty air filter	Check and adjust
	Faulty spark plug	Replace

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TROUBLE SHOOTING

Problem	Possible Cause	Solution
Mower Does Not Move When Traction Levers Are Released	Transmission is in neutral	Move transmission lever (page 9)
	Engine to transmission belt loose	Check and adjust (page 17)
	Incorrect drive wheel belt adjustment	Check and adjust (page 17)
	Drive belts worn or damaged	Check and replace if necessary
Mower Pulls To One Side	Drive belt broken or slipping	Replace or adjust (page 17)
Uneven Cut	Tire pressure not the same in both drive wheels	Check and adjust (page 15)
Blades Do Not Turn	Blade belt broken or slipping	Replace or adjust
	Excessive build-up underneath mowing deck	Check and clean
Rough Cut	Unequal space configuration on blades or front casters	Check and adjust (page 13)
	Ground speed too fast for mowing conditions	Reduce travel speed
	Blades bent	Check and replace (page 12)
	Tire pressure in wheels not equal	Check and adjust (page15)
	Unequal spacer configuration on blades or front casters	Check and adjust (page 13)
	Blades dull	Sharpen or replace (page 15)
	Engine not running 3600 r.p.m.	Move throttle to fast
	Blades installed upside down	Remove and replace rightside up (page 12)
	Excessive build-up underneath	Check and clean mowing deck

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PRODUCT REGISTRATION

PURCHASER INFORMATION

First Name: _____ Last Name: _____

Business Name: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Phone Number _____ Fax Number:_____

Date Purchased: _____ Email Address:_____

DEALER INFORMATION

Authorized Red Hawk Mower Dealer Name:_____

Mailing Address: _____

City: _____ State: _____ Zip: _____

PRODUCT INFORMATION

Model Number _____ Serial Number: _____

_____

Authorized Dealer Signature Date

_____

Authorized Purchaser Signature Date

The warranty is valid only if this form is filled out and signed by both the dealer and the owner at the time of delivery and the completed form has been received at Red Hawk Mowers within 14 days of the date of purchase.

NOTES

NOTES

Other Turf Care Products

Mower Sulky®

- One wheel, two wheel, and swivel caster wheel sulkies
- Sit down sulky

Equipment Guard

- Powder coated trimmer/brushcutter racks, water cooler racks,back pack blower racks, multi-purpose racks and hand tool racks
- Vinyl coated trimmer/brushcutter racks for open and enclosed trailers

RED HAWK EQUIPMENT

- Commercial 32”, 36”, and 48” belt drive mowers with accessories
- Commercial 36”, and 48” hydro mowers with accessories

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