

Parts Manual for

SNAPPER®

FIELD & BRUSH MOWER SERIES 0

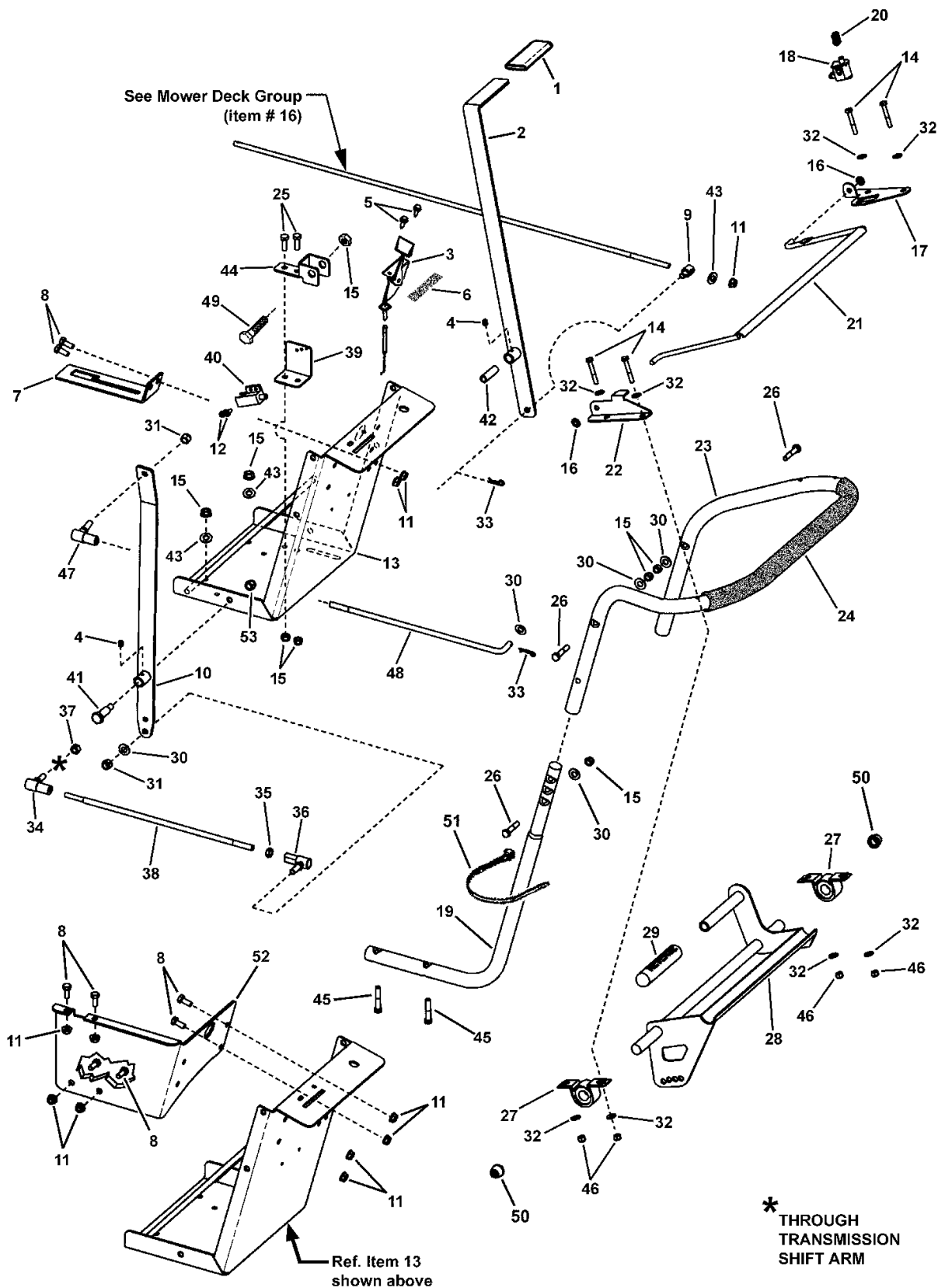


MODEL
FB13250BS
FB13250BV
FB15250KW

SNAPPER® McDonough, GA, 30253 U.S.A.

PAGE	GROUP
4	HANDLE PARTS GROUP
8	ENGINE DECK GROUP
12	MOWER DECK PARTS GROUP
14	DECALS GROUP
16	ELECTRICAL & MISC. GROUP
18	WIRING HARNESS GROUP
20	WIRING SCHEMATIC
22	Hardware Identification & Torque Specifications

HANDLE PARTS GROUP

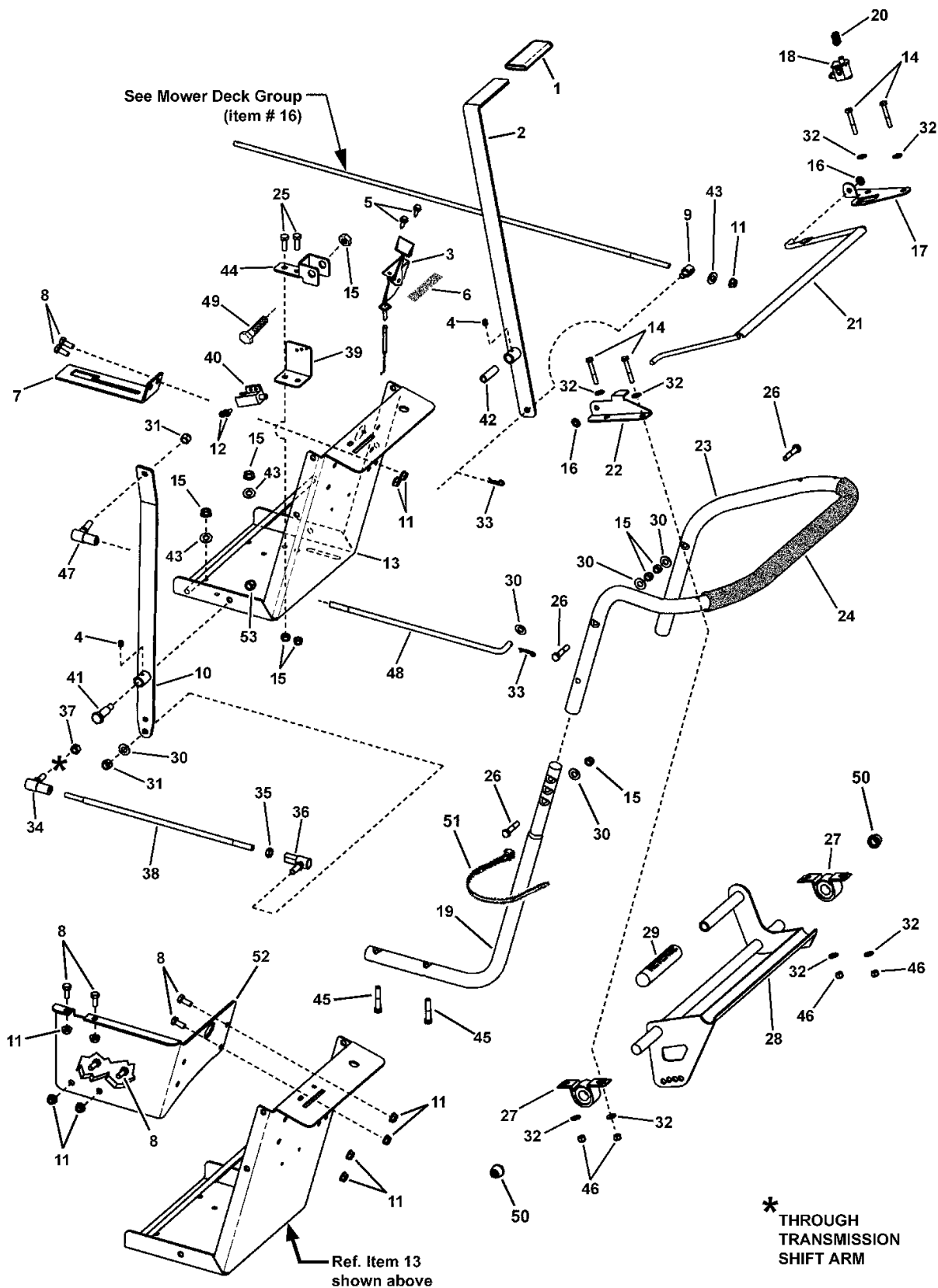


HANDLE PARTS GROUP

Item	Part No	Qty	Description	Note
1	1719965	1	GRIP, Handle	
2	7058960	1	LEVER, Blade Clutch Engage (weldment)	<i>replaces 1723595</i>
3	7027802	1	CABLE, Throttle, Kawasaki	<i>part number stamped on cable</i>
3	7027394	1	CABLE, Throttle, Briggs	<i>part number stamped on cable</i>
4	7014871	2	LUBE FITTING, 3/16" hole	
5	7091686	2	SCREW, 1/4-20 x 3/4" Hex Washer Self-Tap	
6	7029167	1	DECAL, Throttle, Brush Cutter	<i>see Decals group</i>
7	1723550	1	BRACKET, Blade Engage Lock	
8	7091318	10	SCREW, 5/16-18 x 3/4" Hex Head Cap, GR 5	
9	7028200	1	SWIVEL, Adjustable, 5/16-18 thread	
10	7059204	1	LEVER, Transmission Drive (weldment)	<i>replaces 1723573</i>
11	7091601	15	NUT, 5/16-18 Hex Flange Lock, GR 5	
12	7090913	2	SCREW, #10-24 x 1/2" Hex Washer Self-Tap	
13	1723553	1	CONTROL DECK & DASH PANEL (weldment)	
14	7091813	4	SCREW, 1/4-20 x 1-3/4 Hex Head Cap, GR 5	
15	7091298	8	NUT 5/16-18 Hex Nyloc	
16	7011791	3	RETAINER, 5/16" Bolt	
17	7072487	1	BRACKET, Handle Pivot, RH	
18	7023354	1	SWITCH, Seat NC	
19	1723569	2	HANDLE, Lower	
20	1723564	1	SPRING, Safety Return	
21	1723561	1	WELDMENT, Safety Bar	
22	7044927	1	BRACKET, Safety Bar Pivot, LH	<i>replaces 1723566</i>
23	7033736	1	HANDLE, Upper	<i>was 1723572</i>
24	1719968	1	COVER, Foam	<i>was 1723568</i>
25	7090209	6	SCREW, 5/16-18 x 1" Hex Head Cap, GR 2	
26	7091540	4	SCREW, 5/16-18 x 1-1/2" Hex Head Cap, GR 5	
27	1723570	2	BEARING, 3/4 I.D.	
28	1725232	1	WELDMENT, Drive Engagement Bar	
29	1725233	1	GRIP, Reverse Handle	
30	7090122	2	WASHER, 3/8 SAE Flat	
31	7091518	2	NUT, 3/8-24 Hex Nyloc	
32	7091294	8	WASHER, .28 x .63 x .06 Flat	
33	7091310	2	HAIR PIN, #13	
34	1723554	2	BALL JOINT, Type R (5/16-24 thread)	
35	1723556	1	NUT, 3/8-24LH Hex Jam	
36	1723557	1	BALL JOINT LH (3/8-24 LH thread)	

Footnotes:

HANDLE PARTS GROUP

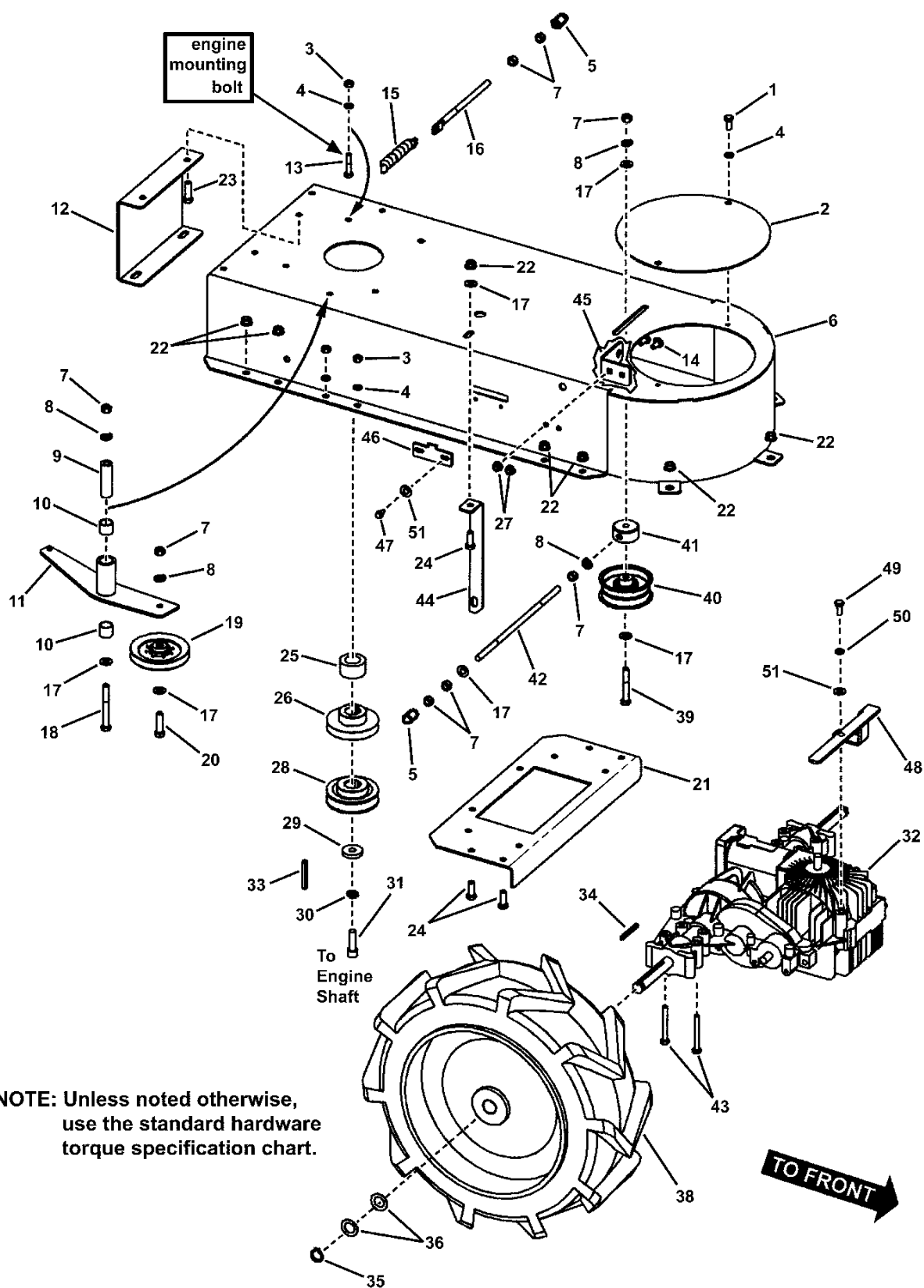


HANDLE PARTS GROUP

Item	Part No	Qty	Description	Note
37	7092031	1	NUT, 5/16-24 Hex Jam	
38	1723555	1	ROD, Trans. Engage, Lower (3/8-24 LH & 5/16-24 threads)	
39	1723351	1	BRACKET, Deck Safety Switch	
40	1723552	1	SWITCH, Deck Safety	
41	1723662	1	BOLT, 1/2 x 1-3/16 to 3/8-16 Shoulder	
42	7041868	1	SPACER, Transmission, Express	
43	7090188	1	WASHER, 5/16" SAE Flat	
44	1723596	1	BRACKET, Clutch Engage Lever	
45	7091908	4	SCREW, 5/16-18 x 1-3/4 Hex Head Cap, GR 5	
46	7091603	4	NUT, 1/4-20 Hex Nyloc	
47	7010745	1	BALL JOINT, 3/8-24 Thread	
48	1725231	1	ROD, Trans. Engage, Upper (3/8-24 thread)	
49	7076938	1	SCREW, 5/16-18 x 2-1/4" Hex Head Cap, GR 5	
50	7029495	2	CAP, Push Plastic	
51	7012080	3	CABLE TIE, 7"	
52	1723616	1	BRACKET, Fuel Tank	
53	7091619	1	NUT, 3/8-16 Hex Flange Lock	

Footnotes:

ENGINE DECK GROUP



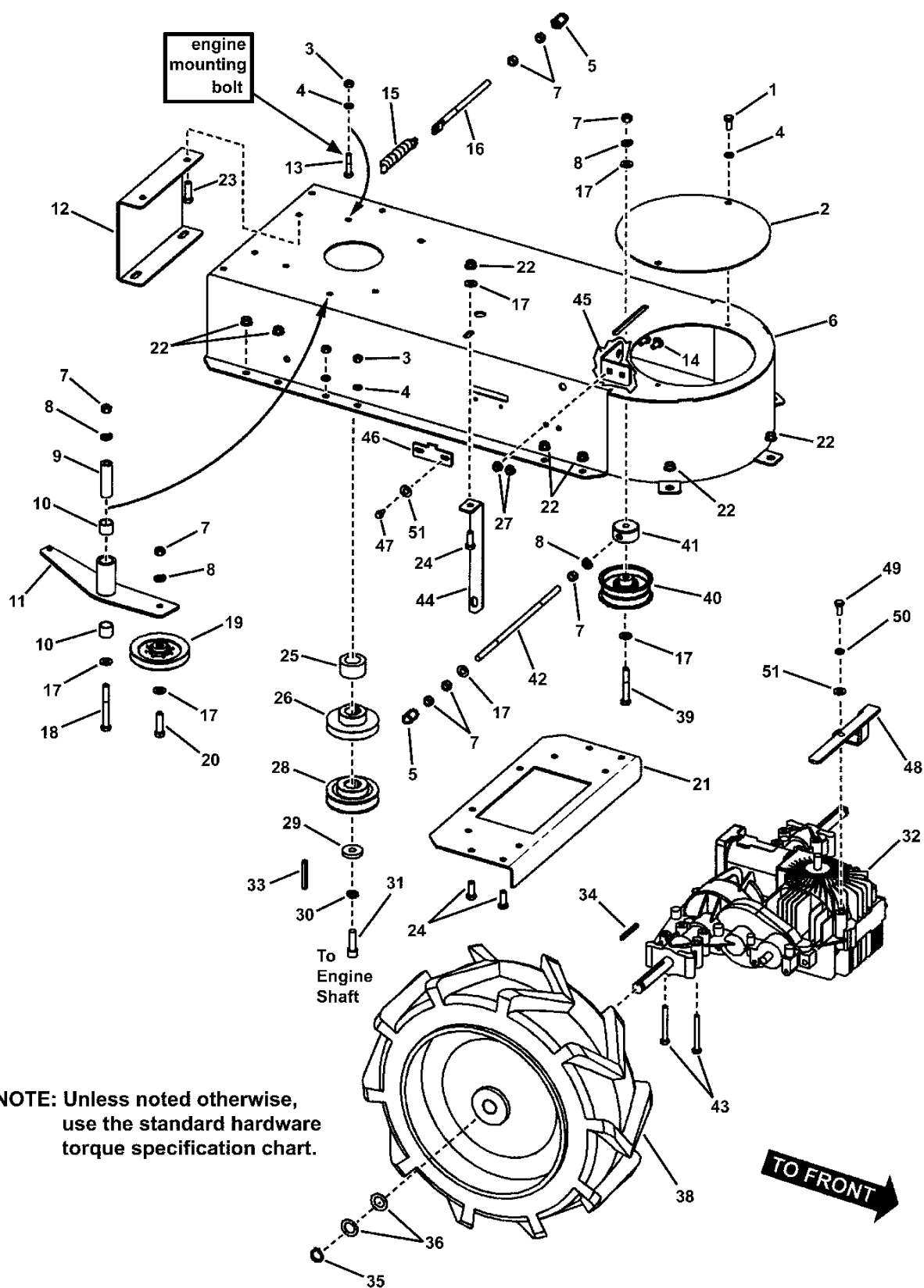
ENGINE DECK GROUP

Item	Part No	Qty	Description	Note
1	7091318	10	SCREW, 5/16-18 x 3/4" Hex Head Cap, GR 5	
2	1723549	1	PLATE, Clutch Cover	
3	7091511	4	NUT, 5/16-18 Hex, GR 5 or B	
4	7090187	18	WASHER, 5/16" Split Lock	
5	1704723	2	CAP, Black	
6	1723803	1	DECK, Engine (weldment)	
7	7091302	24	NUT, 3/8-16 Hex, GR 5 or B	
8	7091320	22	WASHER, .38 x .68 x .09 Split Lock	
9	1723806	1	BOSS, Idler Arm Pivot	
10	1723805	2	SLEEVE BUSHING, 3/4 ID	
11	1723804	1	IDLER ARM, Transmission (weldment)	
12	1723592	1	COVER, Engine Back	
13	7091540	4	SCREW, 5/16-18 x 1-1/2" Hex Head Cap, GR 5	engine mount bolts
14	7090001	2	BOLT, 5/16-18 x 3/4" Short Neck Carriage, GR 5	
15	1723807	1	SPRING, Idler	
16	1723808	1	ROD, Idler Tension (3/8-16 thread)	
17	7090122	9	WASHER, 3/8 SAE Flat	
18	7092055	1	SCREW, 3/8-16 x 3-1/4" Hex Head Cap, GR 5	
19	1723583	1	PULLEY, Idler	
20	7091497	1	SCREW, 3/8-16 x 1-1/2" Hex Head Cap, GR 5	was 91553 (1-3/4" long)
21	1723591	1	PLATE, Lower Handle Mount	
22	7091619	12	NUT, 3/8-16 Hex Flange Lock	or 90613
23	7076941	2	SCREW, 3/8-16 x 1-1/4" Hex Head Cap, GR 5	
24	7091304	7	SCREW, 3/8-16 x 1 Hex Head Cap, GR 5	
25	1723585	1	SPACER, Engine Shaft	
26	1723586	1	PULLEY, Blade Clutch Drive	
27	7091601	2	NUT, 5/16-18 Hex Flange Lock, GR 5	
28	1723588	1	PULLEY, Trans. Drive	
29	7091807	1	WASHER, 7/16" Flat (heavy duty)	
30	7091301	1	WASHER, 7/16" Split Lock	
31	1723589	1	CAPSCREW, 7/16-20 x 1-12" Socket Head	
32	1723620	1	TRANSAXLE	
33	1723590	1	KEY, 1/4" Square x 2-1/8"	(engine shaft)
34	7072386	2	KEY, 3/16" Square x 2-3/16"	
35	7029738	2	RETAINING RING, 3/4" External	
36	7031965	4	WASHER, 3/4" I. D. Thrust	
37	1723580	1	DRIVE WHEEL, Left	not shown

Footnotes:

**Purchase engine & engine parts other than those listed from engine service outlets.

ENGINE DECK GROUP



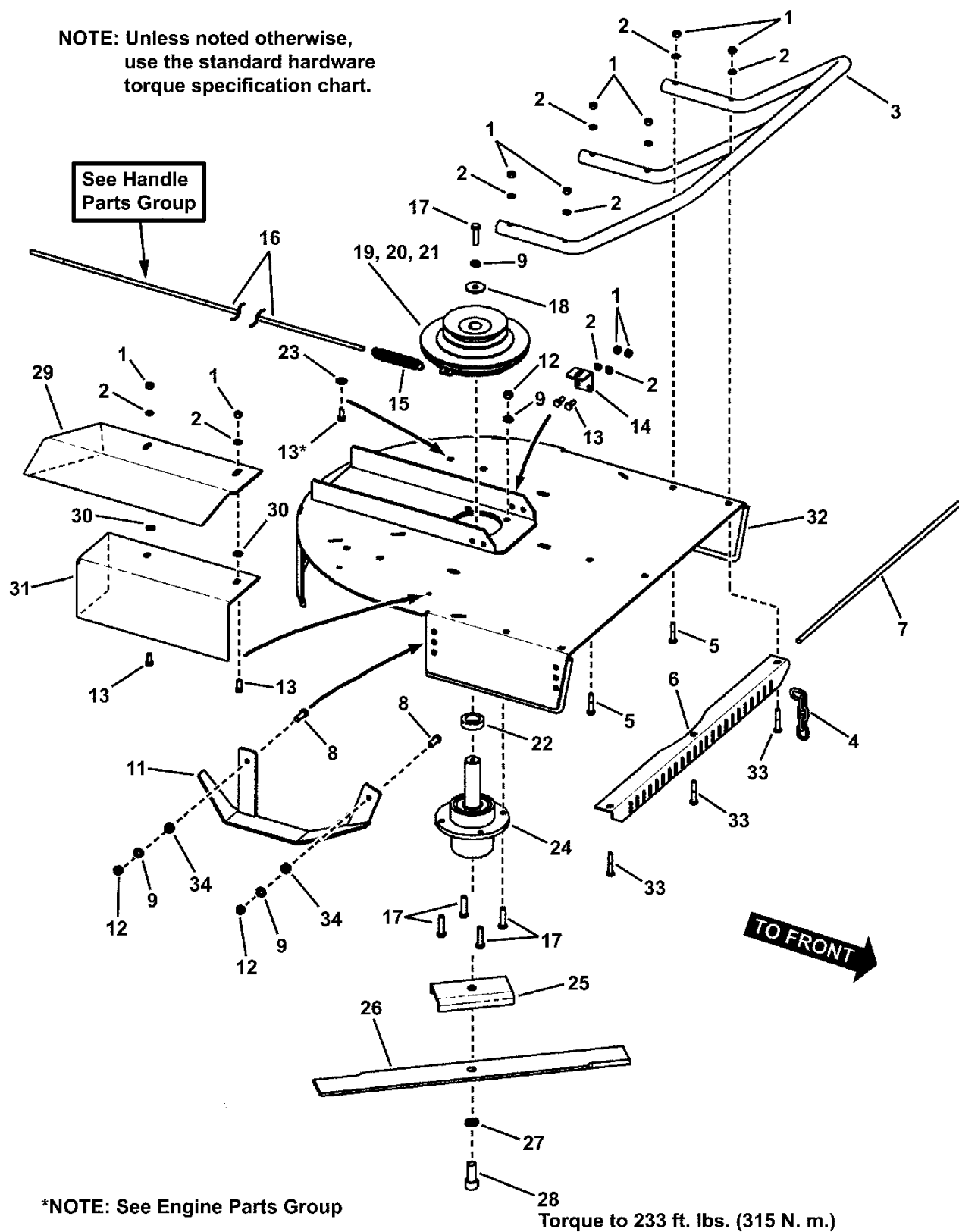
ENGINE DECK GROUP

Item	Part No	Qty	Description	Note
38	1723581	1	DRIVE WHEEL, Right	
39	7091501	1	SCREW, 3/8-16 x 2-1/2" Hex Head Cap, GR 5	
40	1723579	1	PULLEY, Blade Clutch Idler	
41	1723577	1	IDLER BOSS	
42	1723576	1	ROD, Blade Clutch Idler Tensioning (3/8-16 thread)	
43	7076938	4	SCREW, 5/16-18 x 2-1/4" Hex Head Cap, GR 5	
44	1723575	1	HANGER, Trans. Forward Mount	
45	7072520	1	BRACKET, Clutch Support	
46	1723622	1	PLATE, Lock Engage	
47	7091686	2	SCREW, 1/4-20 x 3/4" Hex Washer Self-Tap	
48	1723621	1	BRACKET, Lock Lever (weldment)	
49	7091536	1	SCREW, 1/4-28 x 5/8" Hex Head Cap, GR 8	
50	7090052	1	WASHER, 1/4" Split Lock	
51	7091294	3	WASHER, .28 x .63 x .06 Flat	
52	1723614	1	**ENGINE, Briggs 13.5HP (not shown)	<i>model 21B977, type 0120, trim E1</i>
52	1723615	1	**ENGINE, Kawasaki 15HP (not shown)	<i>model FH451V, type AS02</i>
53	7072515	1	BRACKET, Fuel Tank Bottom (not shown)	<i>Briggs part# 225903</i>

Footnotes:

**Purchase engine & engine parts other than those listed from engine service outlets.

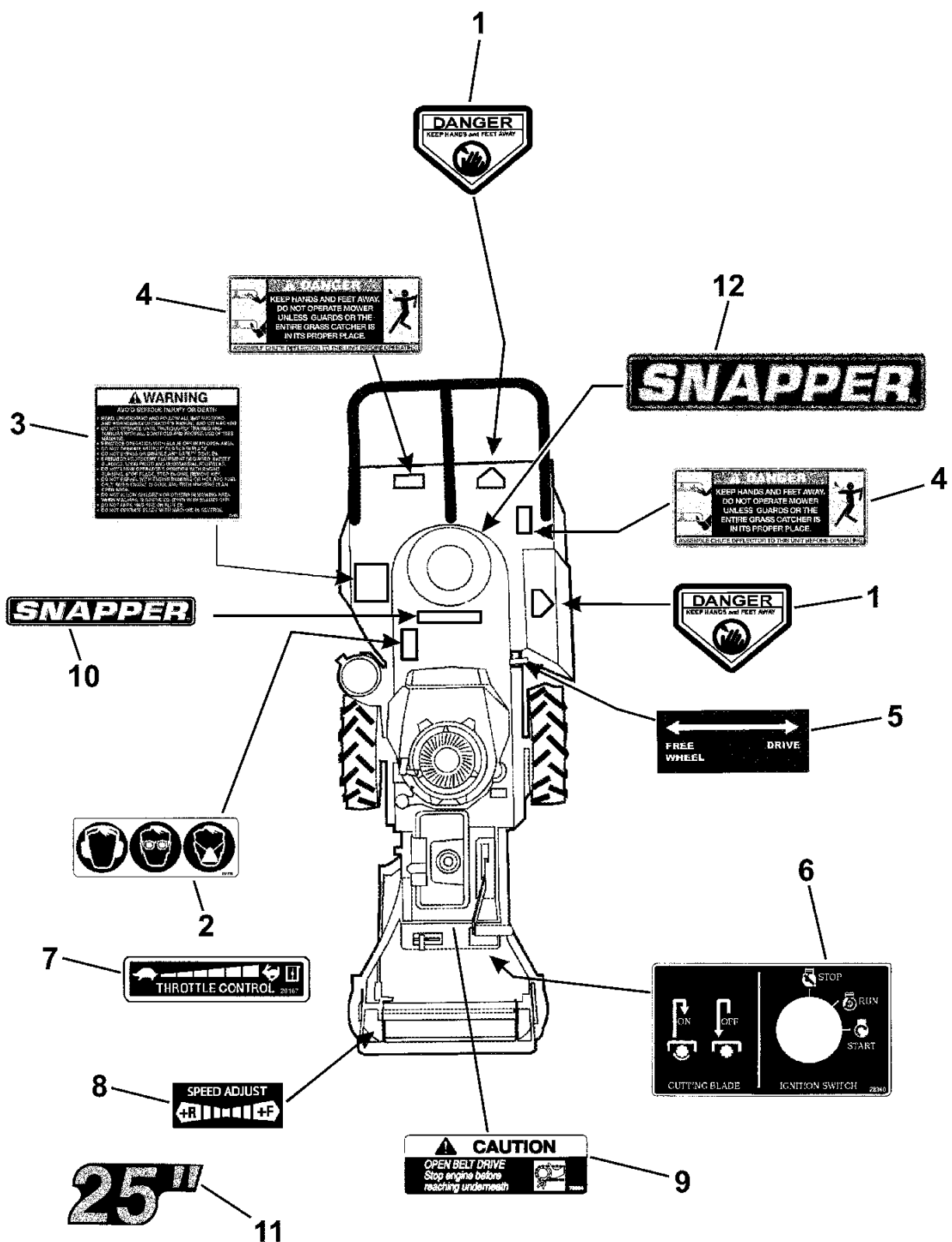
MOWER DECK PARTS GROUP



MOWER DECK PARTS GROUP

Item	Part No	Qty	Description	Note
1	7091511	10	NUT, 5/16-18 Hex, GR 5 or B	
2	7090187	10	WASHER, 5/16" Split Lock	
3	1723532	1	WELDMENT, Front Bumper	
4	1723533	23	CHAIN CURTAIN	
5	7091540	3	SCREW, 5/16-18 x 1-1/2" Hex Head Cap, GR 5	<i>for bumper rear holes</i>
6	1723534	1	BRACKET, Chain Curtain	
7	1723535	1	ROD, Chain Curtain Mounting	
8	7091304	4	SCREW, 3/8-16 x 1 Hex Head Cap, GR 5	
9	7091320	9	WASHER, .38 x .68 x .09 Split Lock	
10	1723536	1	LEFT SKID, Blade Deck (weldment)	<i>not shown</i>
11	1723537	1	RIGHT SKID, Blade Deck (weldment)	
12	7091302	8	NUT, 3/8-16 Hex, GR 5 or B	
13	7091318	4	SCREW, 5/16-18 x 3/4" Hex Head Cap, GR 5	
14	1723538	1	BRACKET, Anti-Torque	
15	1723657	1	SPRING, Clutch	
16	1723539	1	ROD, Blade Clutch Engagement (5/16-18 threaded)	
17	7091497	5	SCREW, 3/8-16 x 1-1/2" Hex Head Cap, GR 5	
18	--	1	WASHER, 7/16 I.D. x 1-1/2" Flat (Heavy Duty)	<i>this fastener is furnished with the clutch</i>
19	1723540	1	ASSEMBLY, Clutch Brake	<i>(Noram part no. CB84S)</i>
20	--	1	SCREW, 5/16-18 x 1" Hex Head Cap	<i>this fastener is furnished with the clutch</i>
21	--	1	NUT, 5/16-18 Hex Center Lock	<i>this fastener is furnished with the clutch</i>
22	1723541	1	SPACER, Clutch	
23	7090122	3	WASHER, 3/8" SAE Flat	
24	1723542	1	ASSEMBLY, Blade Spindle	
25	1723543	1	CHANNEL, Cutting Blade Reinforcement	
26	1723544	1	CUTTING BLADE	
27	7090333	1	WASHER, 5/8" Split Lock	
28	1725227	1	CAPSCREW, 5/8-11 x 1-1/2" Socket	
29	1723546	1	DELFECTOR, Discharge (weldment)	
30	7090188	2	WASHER, 5/16" SAE Flat	
31	1723547	1	COVER, Discharge (weldment)	
32	1723548	1	BLADE DECK	
33	7091908	3	SCREW, 5/16-18 x 1-3/4 Hex Head Cap, GR 5	<i>for bumper front holes</i>
34	7028620	4	SPACER, .340 I.D. x .630 O.D. x .310 thick	

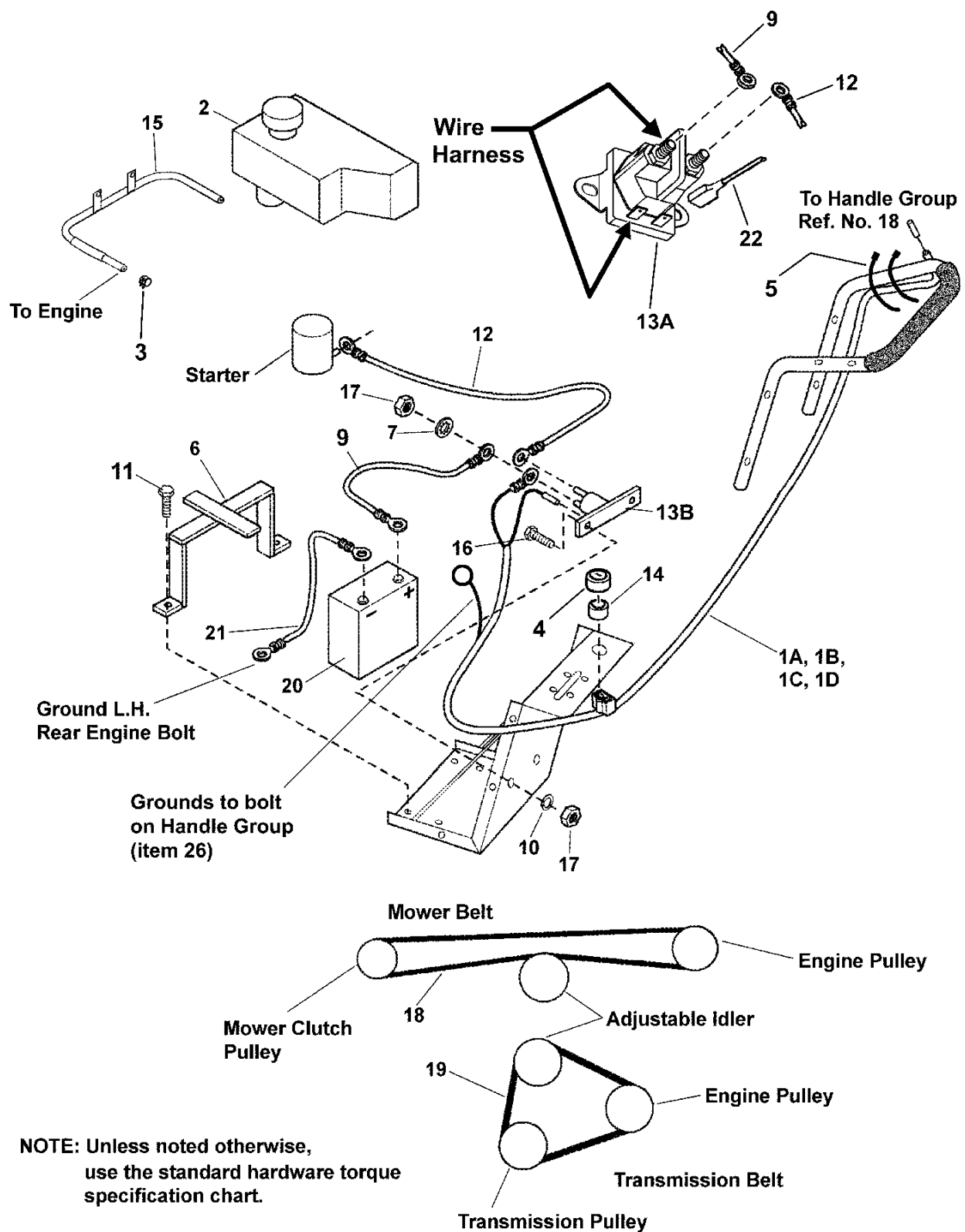
Footnotes:



DECALS GROUP

Item	Part No	Qty	Description	Note
1	7013010	3	DECAL, Danger, Cut Finger (CPSC)	
2	7075893	1	DECAL, Personal Protection	
3	7028490	1	DECAL, Warning, Brush Cutter	
4	7073647	2	DECAL, Caution, Guard Catcher	
5	1725229	1	DECAL, Transmission Drive	
6	7028349	1	DECAL, Ignition/Cutting Blade	
7	7029167	1	DECAL, Throttle, Brush Cutter	
8	1725230	1	DECAL, Speed Adjuster	
9	7073594	1	DECAL, Caution, Open Belt Drive	
10	7075760	1	DECAL, SNAPPER, 8" long	
11	7029331	1	DECAL, 25"	
12	7071916	1	DECAL, SNAPPER, 14-1/2" long	

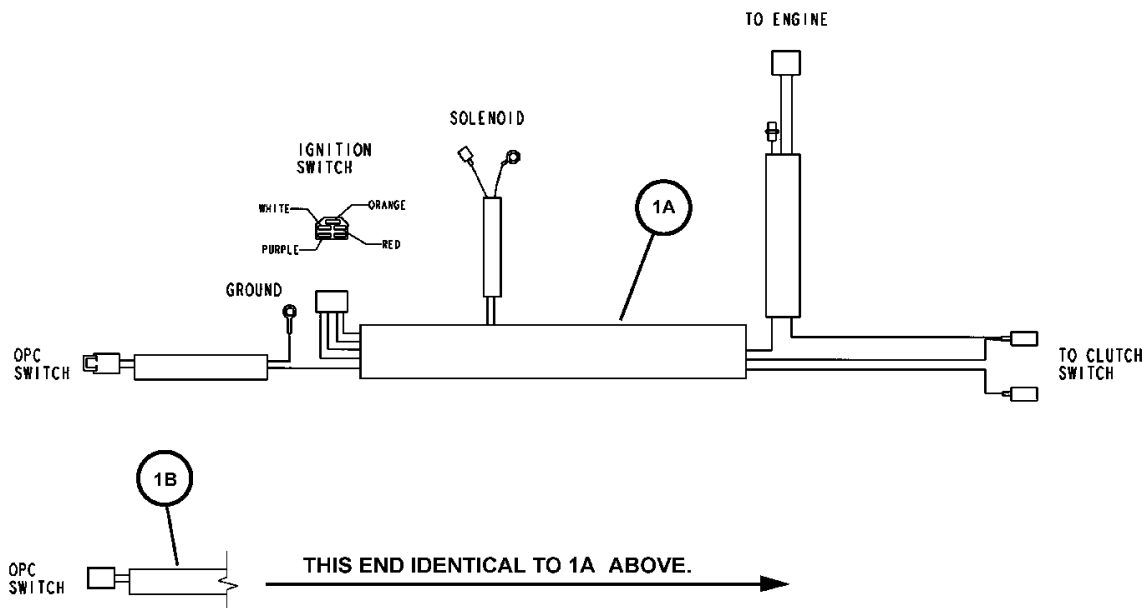
Footnotes:



ELECTRICAL & MISC. GROUP

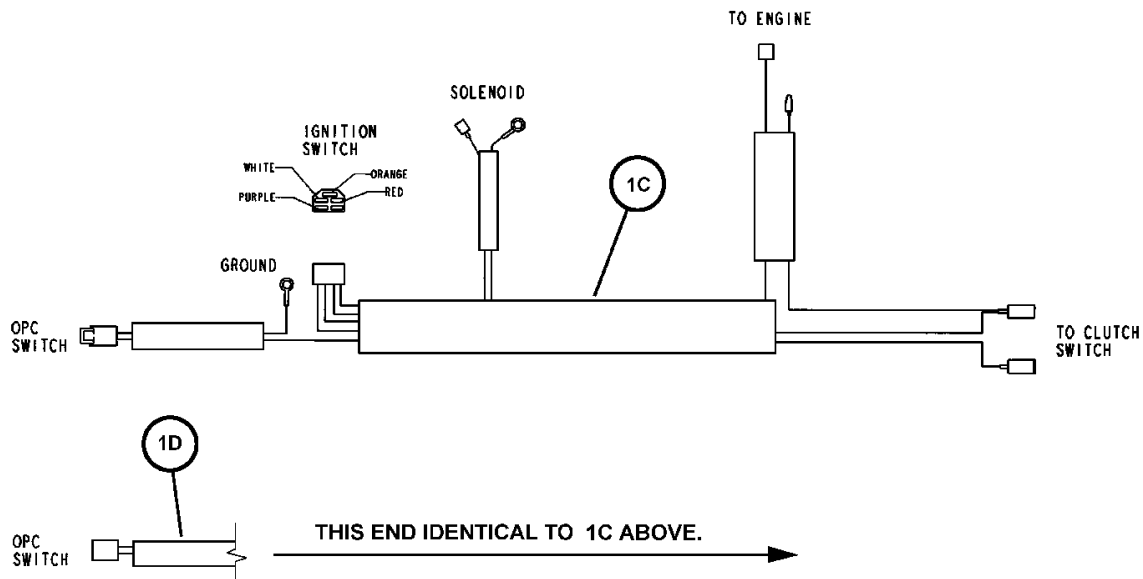
Item	Part No	Qty	Description	Note
1A	7044922	1	WIRE HARNESS, Briggs	<i>also shown on previous page</i>
1B	1724057	1	WIRE HARNESS, Briggs	<i>also shown on previous page</i>
1C	7044926	1	WIRE HARNESS, Kawasaki	<i>also shown on previous page</i>
1D	1724058	1	WIRE HARNESS, Kawasaki	<i>also shown on previous page</i>
2	1723618	1	FUEL TANK, Auxilliary	
3	7012222	2	CLAMP, Fuel Hose	
4	7023506	1	BEZEL	
5	7012080	2	CABLE TIE, 7"	
6	1723635	1	BRACKET, Battery Hold Down	
7	7091314	2	WASHER, 1/4" Internal Lock	
8	1723563	1	SWITCH, Bail (not shown)	<i>used on early production units only</i>
9	1723637	1	CABLE, Battery Positive to Solenoid	
10	7090052	3	WASHER, 1/4" Split Lock	
11	1723636	1	SCREW, Tek #12 x 3/4" Hex Head Cap	
12	1723639	1	CABLE, Solenoid to Starter	
13A	7075622	1	SOLENOID - Super Trombetta - 2 Terminal	<i>GV3031730</i>
13B	1723641	1	SOLENOID, Single Pole	<i>Simplicity solenoid used on early production</i>
14	1723631	1	SWITCH, Keyed Start	
15	1723619	1	AUX FUEL LINE w/Clamps	<i>used on 13.5hp Briggs & 15hp Kawasaki</i>
16	7091495	2	SCREW, 1/4-20 x 3/4" Hex Head Cap, GR 5	
17	7091576	2	NUT, 1/4-20 Hex, GR 5 or B	
18	1723629	1	BELT, Blade Clutch	<i>5L Sect.; 67.40 effective length</i>
19	1723630	1	BELT, Transmission	<i>AX Sect.; 30.10 effective length</i>
20	7029130	1	BATTERY, 12V, 3 Amp, 190 Cold Cranking Amp (Incl. Drain Tube)	
21	1725226	1	CABLE, Battery Negative to Ground	
22	7029332	1	GROUND WIRE, 16 Ga., Green, 19" long	

Footnotes:



BRIGGS

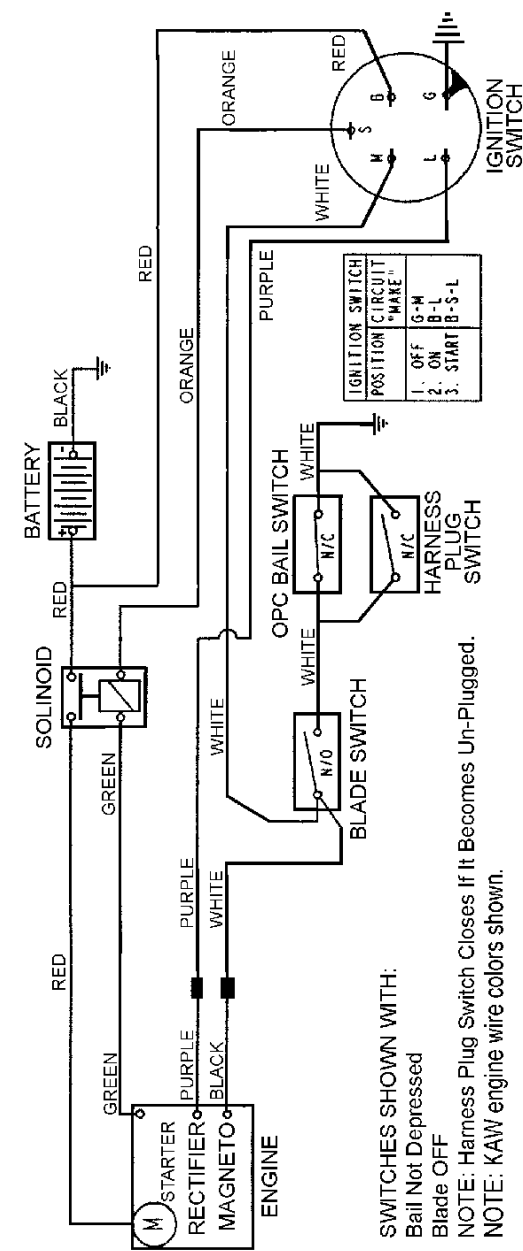
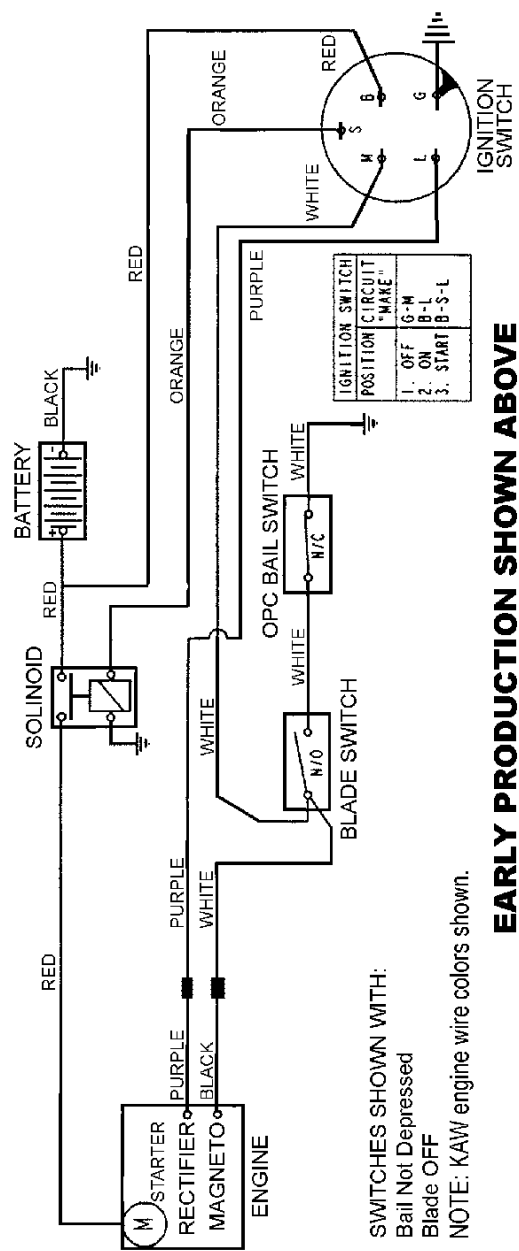
KAWASAKI



WIRING HARNESS GROUP

Item	Part No	Qty	Description	Note
1A	7044922	1	WIRE HARNESS, Briggs	
1B	1724057	1	WIRE HARNESS, Briggs	<i>Simplicity p/n used on early production</i>
1C	7044926	1	WIRE HARNESS, Kawasaki	
1D	1724058	1	WIRE HARNESS, Kawasaki	<i>Simplicity p/n used on early production</i>

Footnotes:



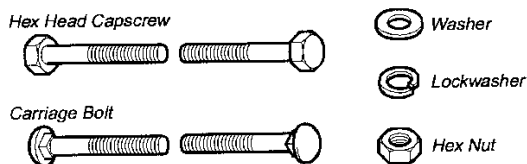
WIRING SCHEMATIC

Item	Part No	Qty	Description	Note
*	*	1	Wiring Schematic includes 4 harness*	*7044922, 1724057, 7044926 & 1724058

Footnotes:

Hardware Identification & Torque Specifications

Common Hardware Types

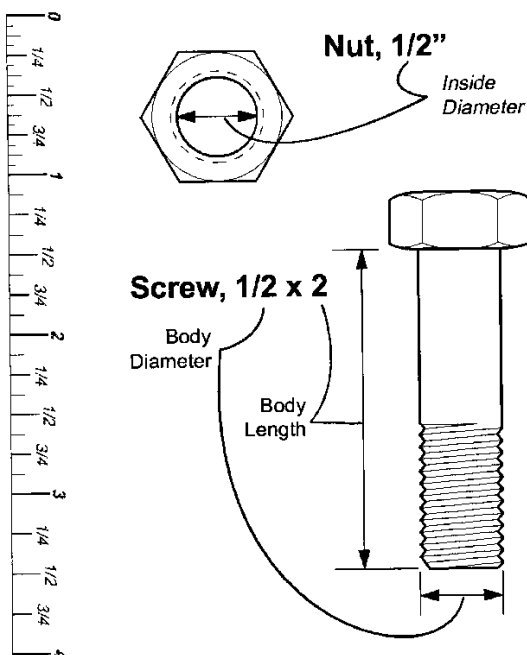


Standard Hardware Sizing

When a washer or nut is identified as $1/2"$, this is the *Nominal size*, meaning the *inside diameter* is $1/2$ inch; if a second number is present it represents the *threads per inch*.

When bolt or capscrew is identified as $1/2 - 16 \times 2"$, this means the *Nominal size*, or *body diameter* is $1/2$ inch; the second number represents the *threads per inch* (16 in this example, and the final number is the *body length* of the bolt or screw (in this example 2 inches long).

The guides and ruler furnished below are designed to help you select the appropriate hardware and tools.



Torque Specification Chart						
FOR STANDARD MACHINE HARDWARE (Tolerance $\pm 20\%$)						
Hardware Grade	No Marks SAE Grade 2		SAE Grade 5		SAE Grade 8	
Size Of Hardware	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
8-32	19	2.1	30	3.4	41	4.6
8-36	20	2.3	31	3.5	43	4.9
10-24	27	3.1	43	4.9	60	6.8
10-32	31	3.5	49	5.5	68	7.7
1/4-20	66	7.6	8	10.9	12	16.3
1/4-28	76	8.6	10	13.6	14	19.0
5/16-18	11	15.0	17	23.1	25	34.0
5/16-24	12	16.3	19	25.8	27	34.0
3/8-16	20	27.2	30	40.8	45	61.2
3/8-24	23	31.3	35	47.6	50	68.0
7/16-14	30	40.8	50	68.0	70	95.2
7/16-20	35	47.6	55	74.8	80	108.8
1/2-13	50	68.0	75	102.0	110	149.6
1/2-20	55	74.8	90	122.4	120	163.2
9/16-12	65	88.4	110	149.6	150	204.0
9/16-18	75	102.0	120	163.2	170	231.2
5/8-11	90	122.4	150	204.0	220	299.2
5/8-18	100	136	180	244.8	240	326.4
3/4-10	160	217.6	260	353.6	386	525.0
3/4-16	180	244.8	300	408.0	420	571.2
7/8-9	140	190.4	400	544.0	600	816.0
7/8-14	155	210.8	440	598.4	660	897.6
1-8	220	299.2	580	788.8	900	1,244.0
1-12	240	326.4	640	870.4	1,000	1,360.0

NOTES

- These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- Recommended seating torque values for locknuts:
 - for prevailing torque locknuts - use 65% of grade 5 torques.
 - for flange whizlock nuts and screws - use 135% of grade 5 torques.
- Unless otherwise noted on assembly drawings, all torque values must meet this specification.

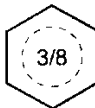
Wrench & Fastener Size Guide



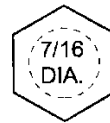
$1/4"$ Bolt or Nut
Wrench— $7/16"$



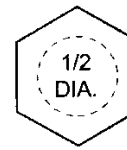
$5/16"$ Bolt or Nut
Wrench— $1/2"$



$3/8"$ Bolt or Nut
Wrench— $9/16"$



$7/16"$ Bolt or Nut
Wrench (Bolt)— $5/8"$
Wrench (Nut)— $11/16"$



$1/2"$ Bolt or Nut
Wrench— $3/4"$

Hardware Identification & Torque Specifications

Item	Part No	Qty	Description	Note
--	--		Chart for hardware I.D. & torque specs.	

Footnotes:

Parts Manual for

SNAPPER®

***FIELD & BRUSH MOWER
SERIES 0***

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.

SNAPPER McDonough, GA, 30253 U.S.A.