



Parts Manual UltraBelt GD Walk Behind Mower



Models:	Description:
BGF36K	UltraBelt GD, 14HP Kohler w/ 36" Mower Deck
5900027	15HP Kawasaki V-Twin w/ 36" Mower Deck (BGF36KAV15)
5900030	15HP Kawasaki V-Twin w/ 48" Mower Deck (BGF48KAV15)
5901015	15HP Kawasaki V-Twin w/ 52" Mower Deck (BGF52KAV15)
5901009	12.5HP Kawasaki w/ 36" Mower Deck (BGF36KA)
5901012	14HP Kawasaki w/ 48" Mower Deck (BGF48KA)
5901014	14HP Kawasaki w/ 52" Mower Deck (BGF52KA)

Ferris Industries

5375 North Main Street
Munnsville, NY 13409 USA
800-933-6175

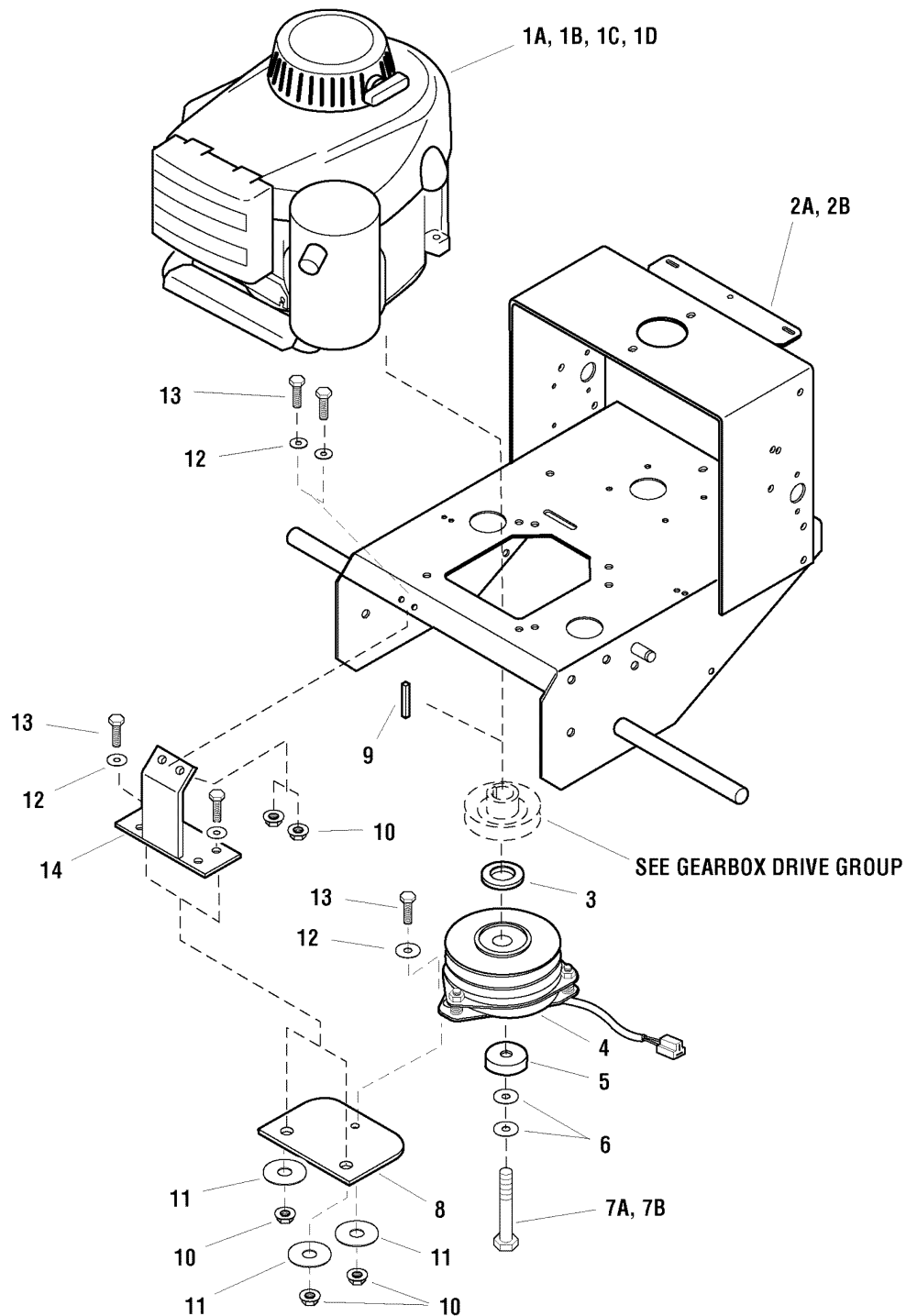
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Revision 08
Rev. Date: 08/2006
TP 400-7080-08-UB-F

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Engine Deck Frame, Engine & PTO Group

080ENG0

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

5900027 (BGF36KAV15)

5901009 (BGF36KA)

5901014 (BGF52KA)

5901012 (BGF48KA)

5901015 (BGF52KAV15)

5900030 (BGF48KAV15)

BGF36K

Engine Deck Frame, Engine & PTO Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1A	5021827	1	ENGINE, 12.5HP Kawasaki (Model FB460V)
1B	5021825	1	ENGINE, 14HP Kawasaki (Model FC420V)
1C	5021881	1	ENGINE, 14HP Kohler (Model CV14T)
1D	5023066	1	ENGINE, 15HP Kawasaki-V Twin (Model FH530V)
2A	5031033B	1	ENGINE DECK (S/N: 372 & above)
2B	5031016	1	ENGINE DECK (S/N: 371 & below)
3	5020929	1	SHIM (S/N: 1659 & above)
4	5021823	1	CLUTCH, Electric
5	5042132	1	SPACER, .45 x 1.62 x .37
6	5025157	2	WASHER, 7/16" SAE (S/N: 1658 & below)
7A	5043629	1	CRANKSHAFT BOLT, 10 mm x 70 mm
7B	5045289	1	CRANKSHAFT BOLT, 7/16 x 2-1/2 (15HP Kawasaki)
8	5043636	1	CLUTCH ANCHOR PAD
9	5050407X1	1	KEY, 1/4 SQ. X 1
10	5025392	5	NUT, 5/16-18 Hex Nylon Flange
11	5044617	3	WASHER, Clutch Anchor
12	5025155	5	WASHER, 5/16" SAE
13	5025011X8	5	BOLT, 5/16-18 x 1
14	5044665B	1	ANCHOR, Clutch

Footnotes

- See your local Kawasaki engine dealer for parts & service.
- See your local Kohler engine dealer for parts & service.

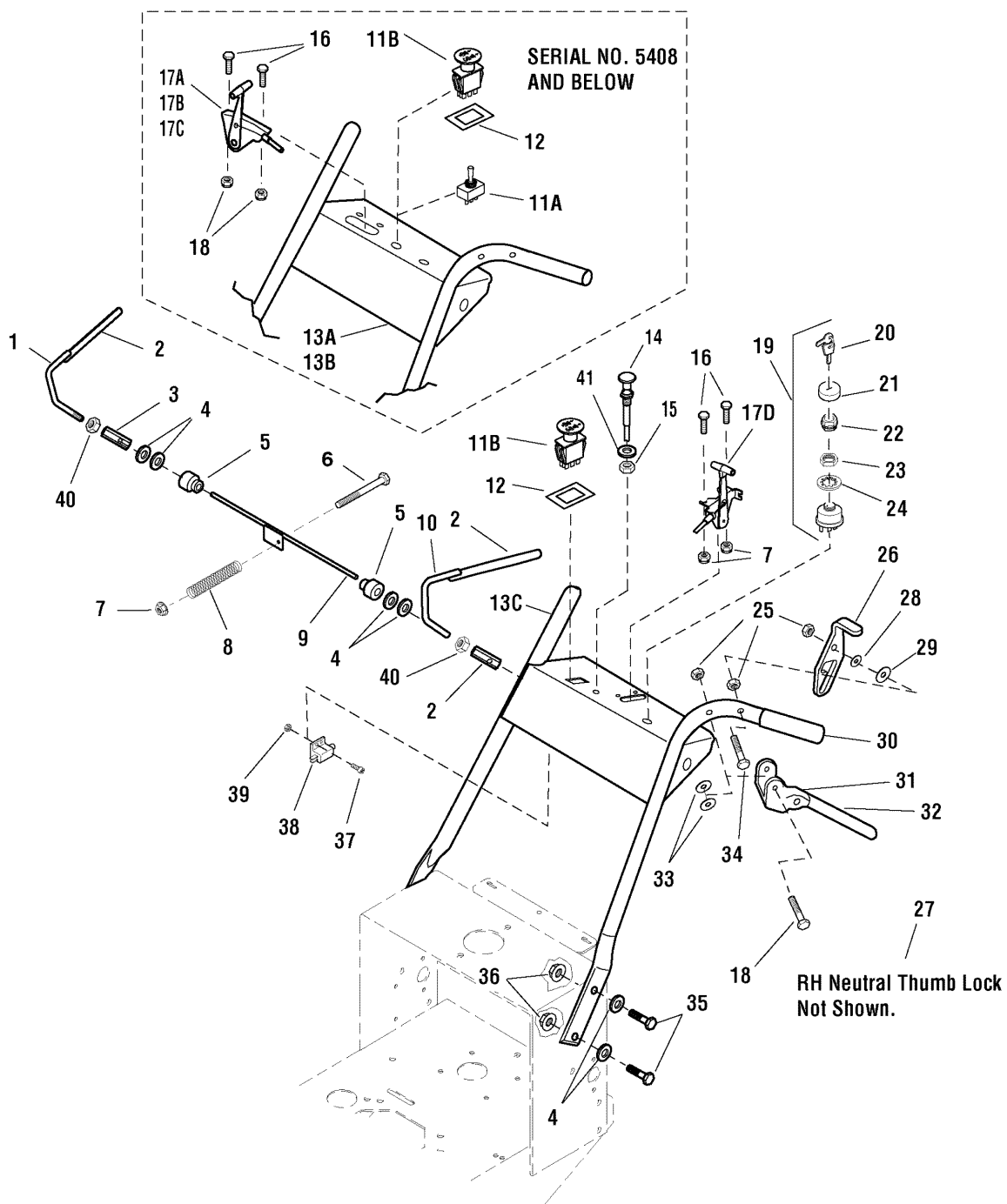
The above parts group applies to the following Mfg. Nos.:

5900027 (BGF36KAV15) 5901009 (BGF36KA)
5901014 (BGF52KA)
5901012 (BGF48KA)
5901015 (BGF52KAV15)
5900030 (BGF48KAV15)
BGF36K

Handle Bar Group

080HBR0

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

5901015 (BGF52KAV15)

5901014 (BGF52KA)

BGF36K

5900030 (BGF48KAV15)

5901012 (BGF48KA)

5901009 (BGF36KA)

5900027 (BGF36KAV15)

Handle Bar Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5049175B	1	OPERATOR PRESENCE HANDLE - RH (Includes Ref. No. 2.)
2	5021490	2	GRIP, VINYL, 1/2" X 4"
3	5043417	2	HEX ADJUSTER
4	5025156	8	WASHER, 3/8" SAE
5	5021507	2	SHOULDER BUSHING
6	5025010X24	1	BOLT, 1/4-20 x 3
7	5025391	3	NUT, 1/4-20 Hex Nylon Flange
8	5020637	1	SPRING, Compression
9	5044668	1	SWITCH ROD
10	5049176B	1	OPERATOR PRESENCE HANDLE - LH (Includes Ref. No. 2.)
11A	5021545	1	SWITCH, Electric Clutch
11B	5022180	1	SWITCH, PTO
12	5022222	1	SWITCH RETAINER RING
13A	5031026B	1	HANDLE BAR (S/N: 3078 & below)
13B	5045441B	1	HANDLE BAR (S/N: 3079 - 5408)
13C	5048919B	1	HANDLE BAR (S/N: 5409 & above)
14	5047779	1	CABLE, Choke Control
15	5025035	1	NUT, 3/8-24 Hex
16	5025010X5	2	BOLT, 1/4-20 x 5/8
17A	5020811	1	CABLE, Throttle, 38"
17B	5021662	1	CABLE, Throttle, 54"
17C	5021887	1	CABLE, Throttle, 45"
17D	5047629	1	CABLE, Throttle Control, 46"
18	5025011X20	2	BOLT, 5/16-18 x 2-1/2
19	5021842	1	SWITCH, Ignition, Complete (Includes Ref No. 20 - 24)
20	5022789	1	KEY, Ignition, Molded Set
21	5022790	1	COVER
22	5022791	1	PLASTIC NUT
23	5022792	1	STEEL NUT
24	5022793	1	WASHER
25	5025392	6	NUT, 5/16-18 Hex Nylon Flange
26	5044659L	1	NEUTRAL THUMB LOCK, LH
27	5044659R	1	NEUTRAL THUMB LOCK, RH (Not Shown)
28	5025275	2	WASHER, Belleville, 5/16
29	5025155	2	WASHER, 5/16" SAE
30	5021841	2	GRIP, Foam
31	5021836	2	BRAKE LEVER
32	5021851	2	GRIP, Brake Lever
33	5025274	4	WASHER, Nylon, 5/16
34	5025011X16	2	BOLT, 5/16-18 X 2
35	5025013X10	4	BOLT, 3/8-16 x 1-1/4

Footnotes

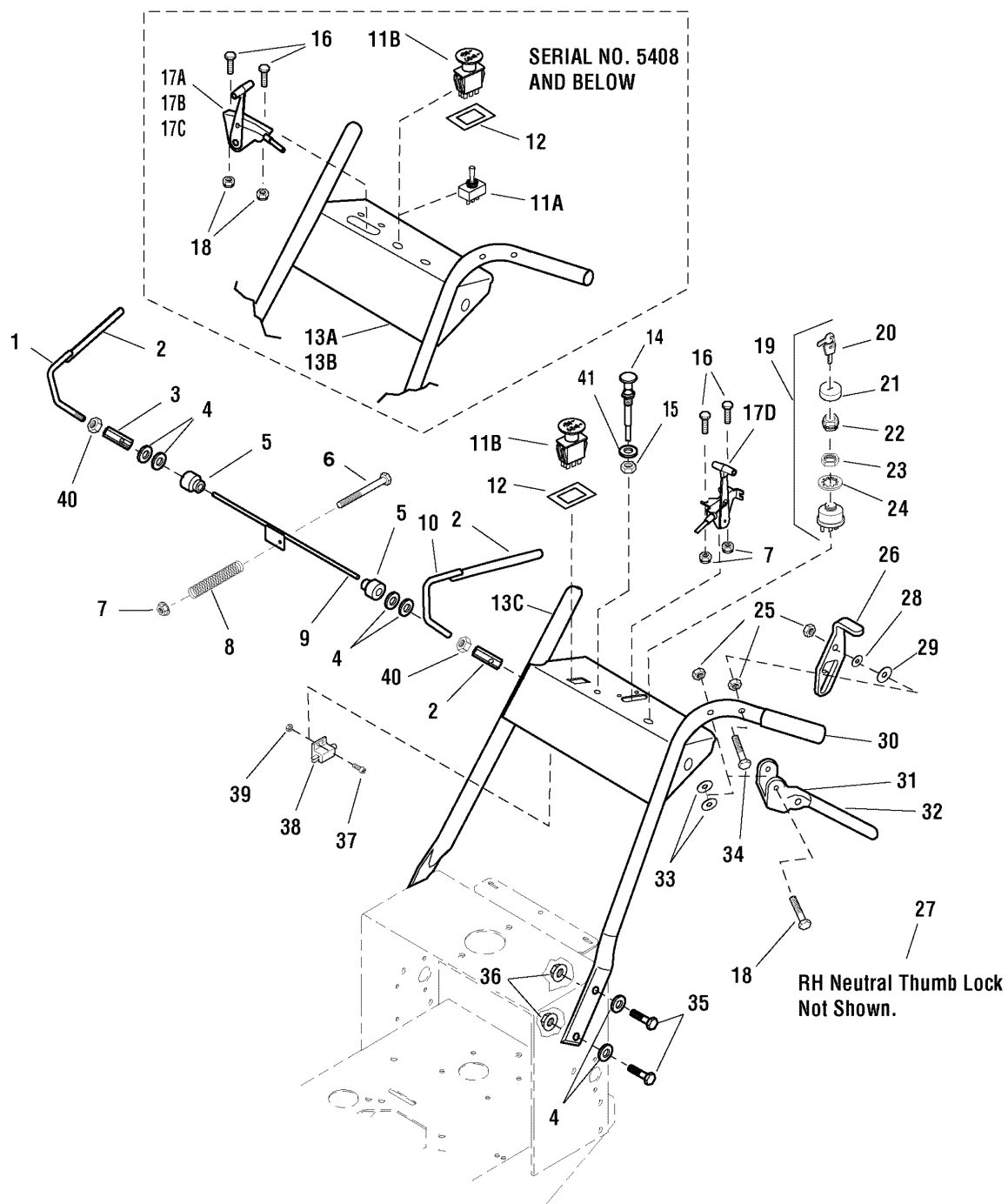
The above parts group applies to the following Mfg. Nos.:

5901015 (BGF52KAV15) 5901014 (BGF52KA)
 BGF36K
 5900030 (BGF48KAV15)
 5901012 (BGF48KA)
 5901009 (BGF36KA)
 5900027 (BGF36KAV15)

Handle Bar Group

080HBR0

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

5901015 (BGF52KAV15)

5901014 (BGF52KA)

BGF36K

5900030 (BGF48KAV15)

5901012 (BGF48KA)

5901009 (BGF36KA)

5900027 (BGF36KAV15)

Handle Bar Group

REF NO.	PART NO.	QTY.	DESCRIPTION
36	5025128	4	NUT, 3/8-16 Hex Serrated Flange
37	5025179X4	2	SCREW, #10-24 x 1/2
38	5021769	1	SWITCH, Plunger, NC
39	5025029	2	NUT, #10-24 Hex
40	5025034	2	NUT, 3/8-16 Hex
41	5025171	1	WASHER, 3/8, Lock

Footnotes

The above parts group applies to the following Mfg. Nos.:

5901015 (BGF52KAV15)

5901014 (BGF52KA)

BGF36K

5900030 (BGF48KAV15)

5901012 (BGF48KA)

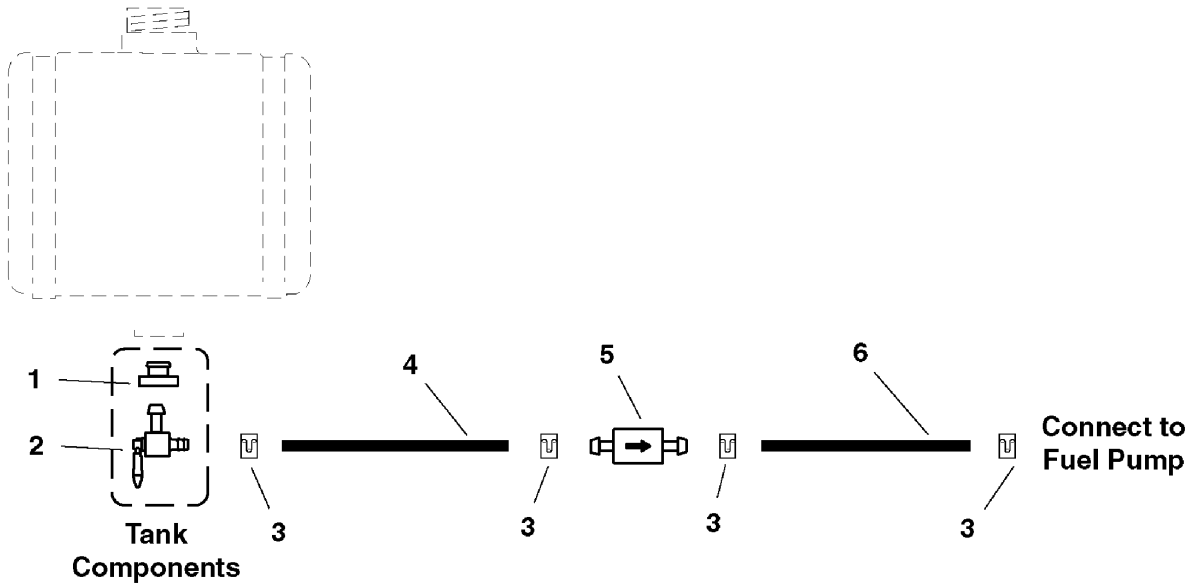
5901009 (BGF36KA)

5900027 (BGF36KAV15)

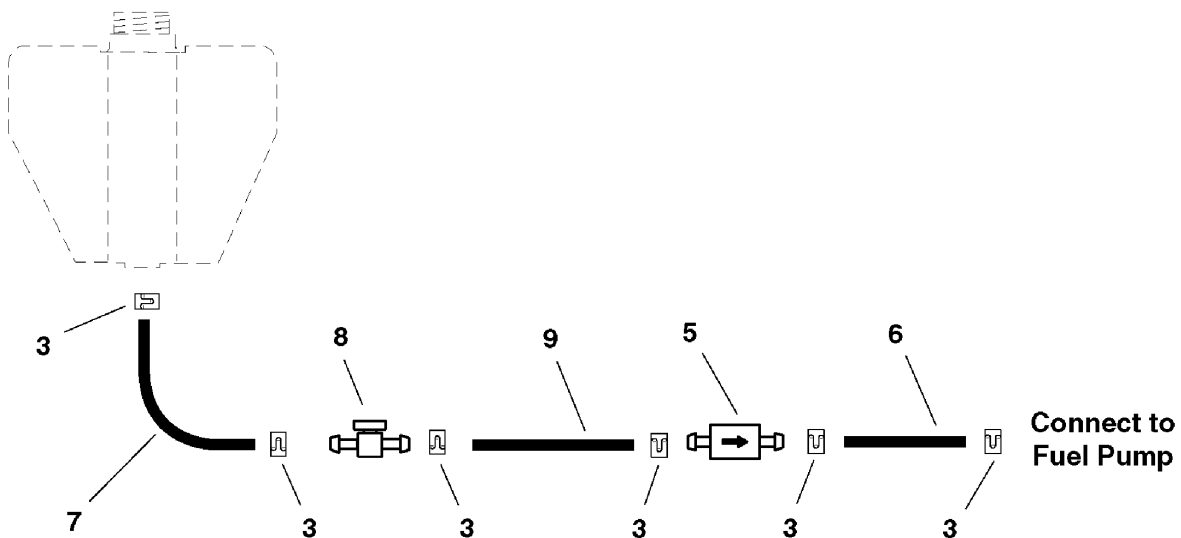
Fuel Supply Hose & Tank Replacement Parts Group

080FSH0

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



SERIAL NO 372 AND ABOVE



SERIAL NO 371 AND BELOW

The above parts group applies to the following Mfg. Nos.:

5900030 (BGF48KAV15)

5901015 (BGF52KAV15)

5901012 (BGF48KA)

5901009 (BGF36KA)

5901014 (BGF52KA)

5900027 (BGF36KAV15)

BGF36K

Fuel Supply Hose & Tank Replacement Parts Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5022151	1	RUBBER BUSHING
2	5022152	1	FUEL SHUTOFF VALVE (S/N: 372 & above)
3	5020835	4	CLAMP, Hose (S/N: 372 & above)
3	5020835	6	CLAMP, Hose (S/N: 371 & below)
4	5050831X6	1	1/4" Fuel Line, 6" Long (Kawasaki)
4	5050831X16	1	1/4" Fuel Line, 16" Long (15HP Kawasaki)
4	5050831X29	1	1/4" Fuel Line, 29" Long (Kohler)
5	5021178X3	1	FUEL FILTER
6	5050831X12	1	1/4" Fuel Line, 12" Long (12.5 HP Kawasaki)
6	5050831X15	1	1/4" Fuel Line, 15" Long (14HP Kawasaki)
6	5050831X16	1	1/4" Fuel Line, 16" Long (15HP Kawasaki)
6	-	1	1/4" Fuel Line (Kohler Supplied)
7	5050831X5	1	1/4" Fuel Line, 5" Long (12.5HP Kawasaki)
7	5050831X3	1	1/4" Fuel Line, 3" Long (14HP Kawasaki)
8	5021235	1	VALVE, Fuel Shut-Off (S/N: 371 & below)
9	5050831X2	1	1/4" Fuel Line, 2" Long (12.5 HP Kawasaki)
9	5050831X4P5	1	1/4" Fuel Line, 4-1/2" Long (14.5HP Kawasaki)

Footnotes

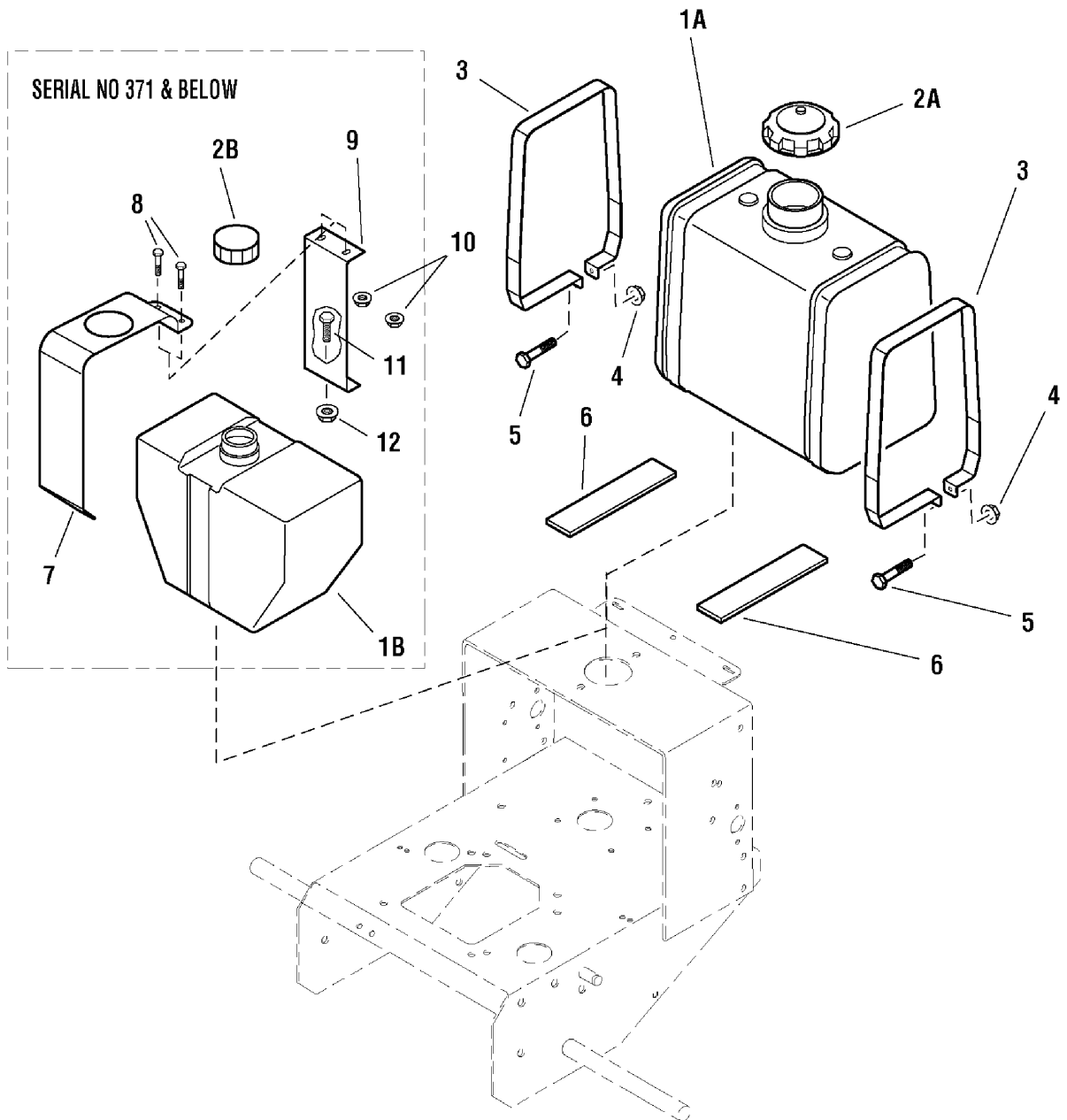
The above parts group applies to the following Mfg. Nos.:

5900030 (BGF48KAV15) 5901015 (BGF52KAV15)
5901012 (BGF48KA)
5901009 (BGF36KA)
5901014 (BGF52KA)
5900027 (BGF36KAV15)
BGF36K

Fuel Tank & Mount Group

080TNK0

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

5901012 (BGF48KA) 5900027 (BGF36KAV15)

5901009 (BGF36KA)

BGF36K

5900030 (BGF48KAV15)

5901014 (BGF52KA)

5901015 (BGF52KAV15)

Fuel Tank & Mount Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1A	5021869	1	FUEL TANK, 5 Gallon
1B	5021437	1	FUEL TANK, 4 Gallon
2A	5022158	1	FUEL TANK CAP
2B	5021468	1	CAP, Fuel Tank
3	5044694B	2	FUEL TANK STRAP
4	5025126	2	NUT, 1/4-20 Hex Serrated Flange
5	5025010X16	2	BOLT, 1/4-20 X 2
6	5021877	2	RUBBER PAD
7	5043312	1	FUEL TANK STRAP
8	5025011X8	2	BOLT, 5/16-18 x 1
9	5044671	1	FUEL TANK HOLD DOWN
10	5025139	1	NUT, 5/16-18 Hex Large Serrated Flange
11	5025011X6	1	BOLT, 5/16-18 x 3/4
12	5025128	1	NUT, 3/8-16 Hex Serrated Flange

Footnotes

The above parts group applies to the following Mfg. Nos.:

5901012 (BGF48KA) 5900027 (BGF36KAV15)

5901009 (BGF36KA)

BGF36K

5900030 (BGF48KAV15)

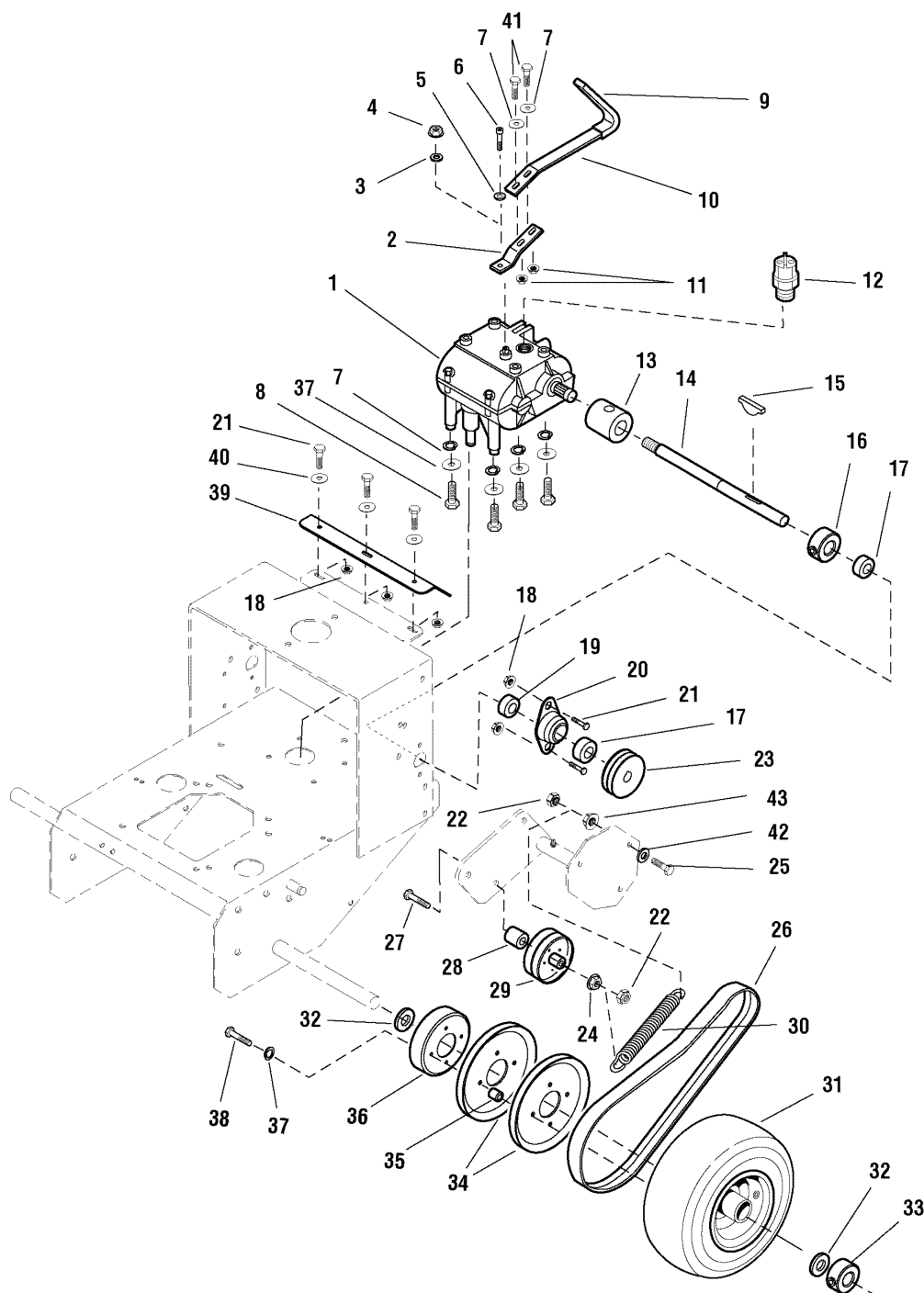
5901014 (BGF52KA)

5901015 (BGF52KAV15)

Ground Drive Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

080GDR0



The above parts group applies to the following Mfg. Nos.:

5900030 (BGF48KAV15)

5901009 (BGF36KA)

5901014 (BGF52KA)

5901012 (BGF48KA)

5901015 (BGF52KAV15)

5900027 (BGF36KAV15)

BGF36K

Ground Drive Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1A	5021820	1	5 SPEED GEARBOX (S/N: 2420 & below)
1B	5022246	1	5 SPEED GEARBOX (S/N: 2421 & above)
2A	5044638B	1	LEVER, Gear Selector (S/N: 2420 & below)
2B	5045309B	1	LEVER, Gear Selector (S/N: 2421 & above)
3	5025293	1	WASHER, 3/8" GD9 (S/N: 2421 & above)
4	5025097	1	NUT, 3/8-24 Hex Nylon Lock (S/N: 2421 & above)
5	5044675	1	WASHER, Retaining (S/N: 2420 & below)
6	5025276	1	BOLT, Allen Head, 1/4-28 x 5/8 (S/N: 2420 & below)
7	5025155	6	WASHER, 5/16" SAE
8	5025011X6	4	BOLT, 5/16-18 x 3/4
9	5025510	1	FOAM GRIP
10	5044640B	1	GEAR SELECTOR HANDLE
11	5025139	2	NUT, 5/16-18 Hex Large Serrated Flange
12	5021843	1	SWITCH, NEUTRAL SAFETY
13	5021821	2	COUPLER (S/N: 2420 & below)
13	5022248	2	COUPLER (S/N: 2421 & above)
14	5021822	2	SHAFT (S/N: 2420 & below)
14	5022247	2	SHAFT (S/N: 2421 & above)
15	5022058	2	KEY, #9 Hi Pro Woodruff
16	5020441	2	COLLAR, 5/8" Split
17	5041477	4	SPACER, .63 x 1.06 x .23
18	5025126	7	NUT, 1/4-20 Hex Serrated Flange
19	5021845	2	BEARING
20	5021846	2	FLANGE BEARING
21	5025010X6	7	BOLT, 1/4-20 x 3/4
22	5025096	2	NUT, 3/8-16 Hex Nylon Lock
23	5021445	2	PULLEY, Double-A Section
24	5025394	2	NUT, 3/8-16 Hex Nylon Flange
25	5025013X10	2	BOLT, 3/8-16 x 1-1/4
26	5021447	2	BELT, Double-A Section
27	5025013X28	2	BOLT, 3/8-16 x 3-1/2
28	5044673	2	SPACER, .52 X 1.00 X .88
29	5021442	2	PULLEY, Idler
30	5021826	2	SPRING, Extension
31	5022310S	2	TIRE & WHEEL ASSEMBLY
32	5025162	4	WASHER, 1" SAE
33	5020602	2	COLLAR, 1" Split
34	5021439	4	PULLEY, Ground Drive
35	5021440	8	SPACER, Pulley
36	5021441	2	BRAKE DRUM
37	5023223	4	LOCK WASHER, 5/16

Footnotes

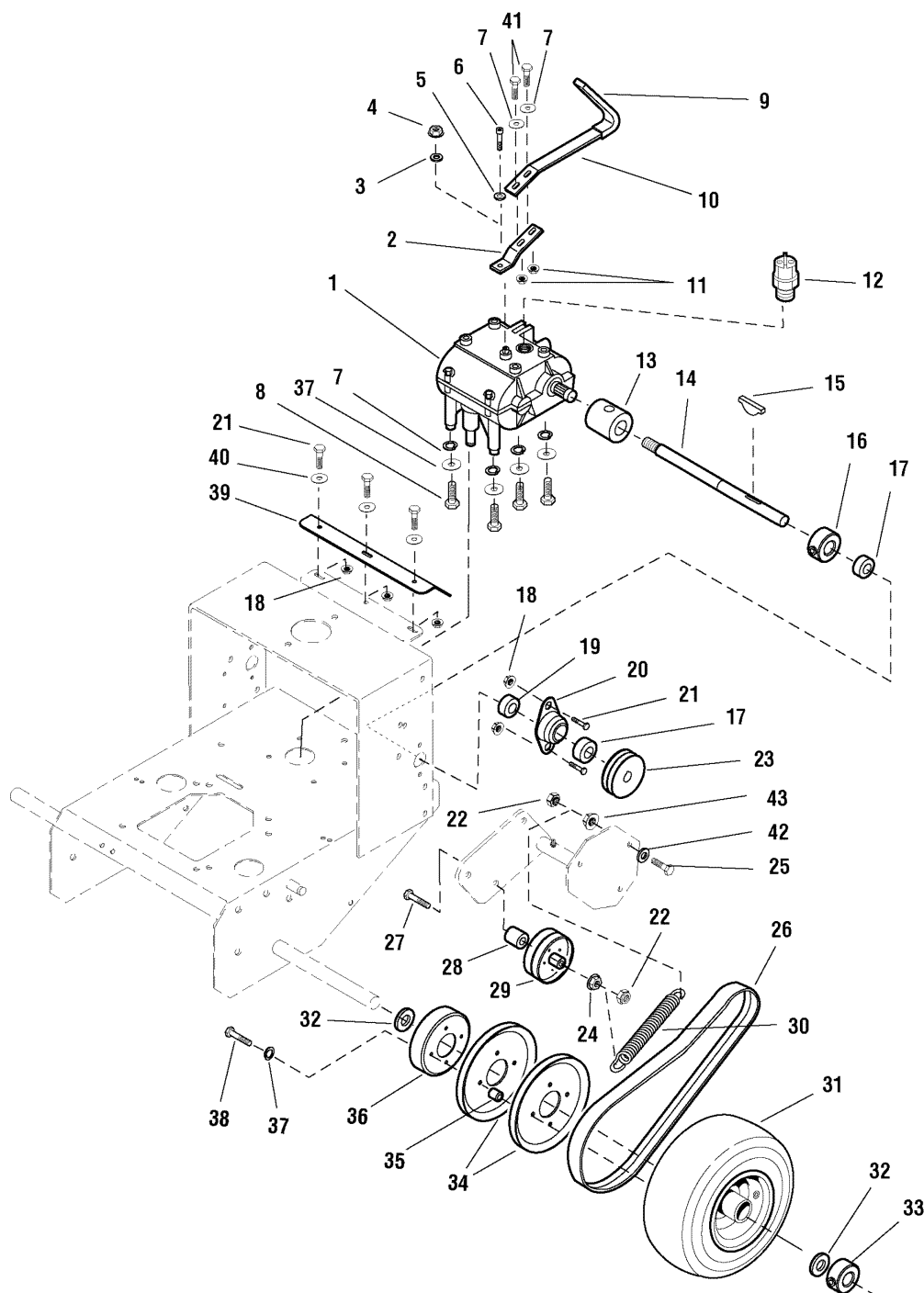
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5900030 (BGF48KAV15) 5901009 (BGF36KA)
5901014 (BGF52KA)
5901012 (BGF48KA)
5901015 (BGF52KAV15)
5900027 (BGF36KAV15)
BGF36K

Ground Drive Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

080GDR0



The above parts group applies to the following Mfg. Nos.:

5900030 (BGF48KAV15)

5901009 (BGF36KA)

5901014 (BGF52KA)

5901012 (BGF48KA)

5901015 (BGF52KAV15)

5900027 (BGF36KAV15)

BGF36K

Ground Drive Group

REF NO.	PART NO.	QTY.	DESCRIPTION
38	5025011X12	8	BOLT, 5/16-18 x 1-1/2
39	5044641B	1	GUIDE, Gear Selector
40	5025154	3	WASHER, 1/4" SAE
41	5025011X8	2	BOLT, 5/16-18 x 1
42	5025156	2	WASHER, 3/8 SAE
43	5025128	2	NUT, 3/8-16 SERRATED FLANGE

Footnotes

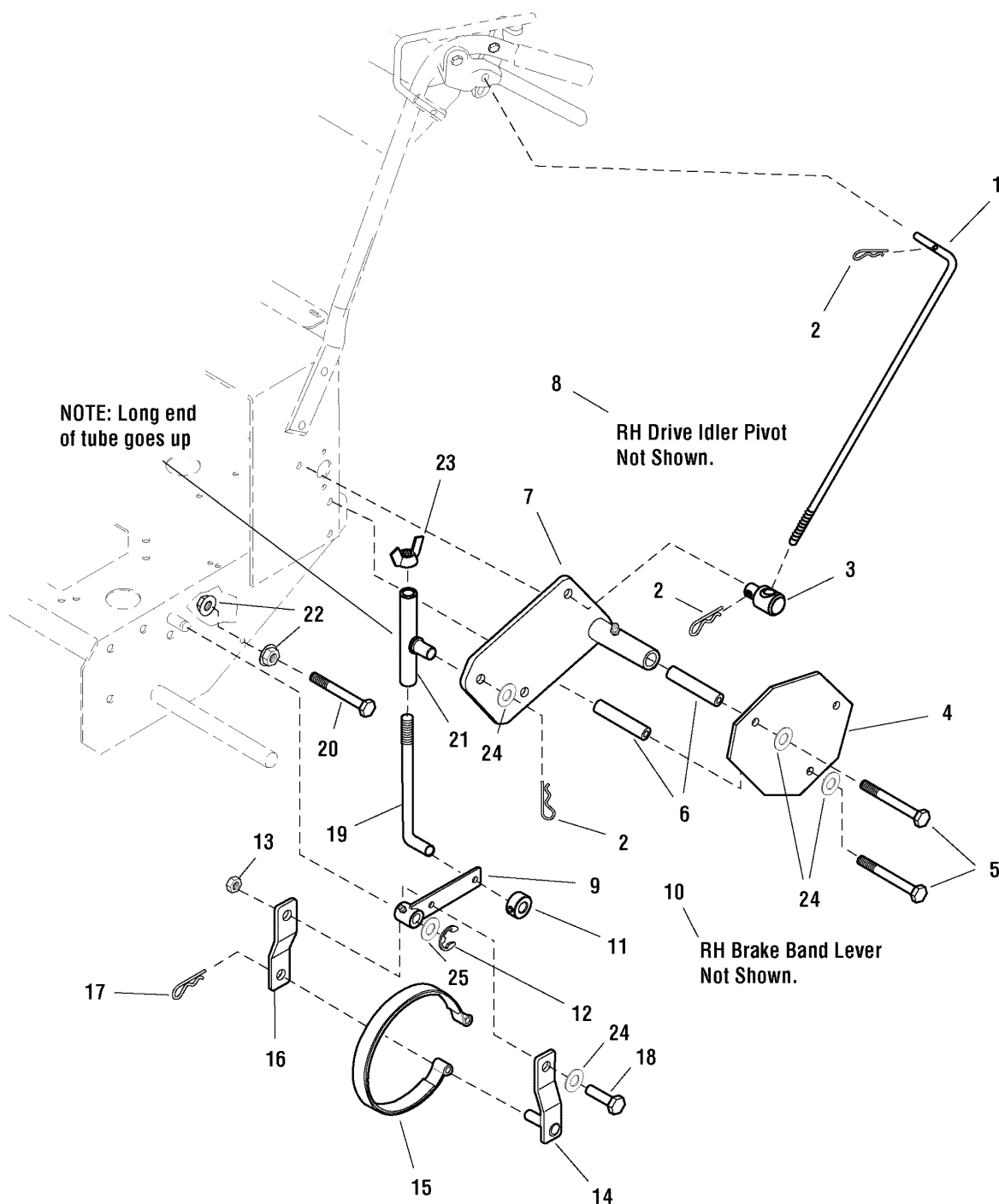
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5900030 (BGF48KAV15) 5901009 (BGF36KA)
5901014 (BGF52KA)
5901012 (BGF48KA)
5901015 (BGF52KAV15)
5900027 (BGF36KAV15)
BGF36K

Brake Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

080PBR0



The above parts group applies to the following Mfg. Nos.:

5900030 (BGF48KAV15)	BGF36K
5901012 (BGF48KA)	
5901009 (BGF36KA)	
5901015 (BGF52KAV15)	
5900027 (BGF36KAV15)	
5901014 (BGF52KA)	

Brake Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5044642	2	ROD, BGF Brake
2	5025210	6	HAIRPIN CLIP
3	5041482	2	ADJUSTER, Brake Linkage
4	5044650B	2	BELT GUARD
5	5025013X40	4	BOLT, 3/8-16 X 5
6	5044648	4	SPACER, .38 x .63 x 4.00
7	5061659	1	DRIVE IDLER PIVOT-LEFT
8	5061660	1	DRIVE IDLER PIVOT-RIGHT (Not Shown)
9	5061622	1	LEVER, BRAKE BAND LEFT
10	5061623	1	LEVER, BRAKE BAND RIGHT (Not Shown)
11	5020047	2	COLLAR, 5/16" Set
12	5021867	2	RING, RETAINER
13	5025100	2	NUT, 3/8-16 Hex Side Lock
14	5044662B	1	BRAKE LINKAGE W/ PIN
15	5021840	2	BRAKE BAND
16	5044661B	2	BRAKE LINKAGE
17	5025211	2	HAIRPIN CLIP
18	5025013X8	2	BOLT, 3/8-16 x 1
19	5044653	2	ROD, BRAKE ADJUSTMENT
20	5025013X32	2	BOLT, 3/8-16 x 4
21	5044654B	2	BRAKE ADJUSTER
22	5025128	4	NUT, 3/8-16 Hex Serrated Flange
23	5025277	2	NUT, 5/16-18, Wing Nylon Lock
24	5025156	8	WASHER, 3/8 SAE
25	5025450	2	SHIM, 5/8"

Footnotes

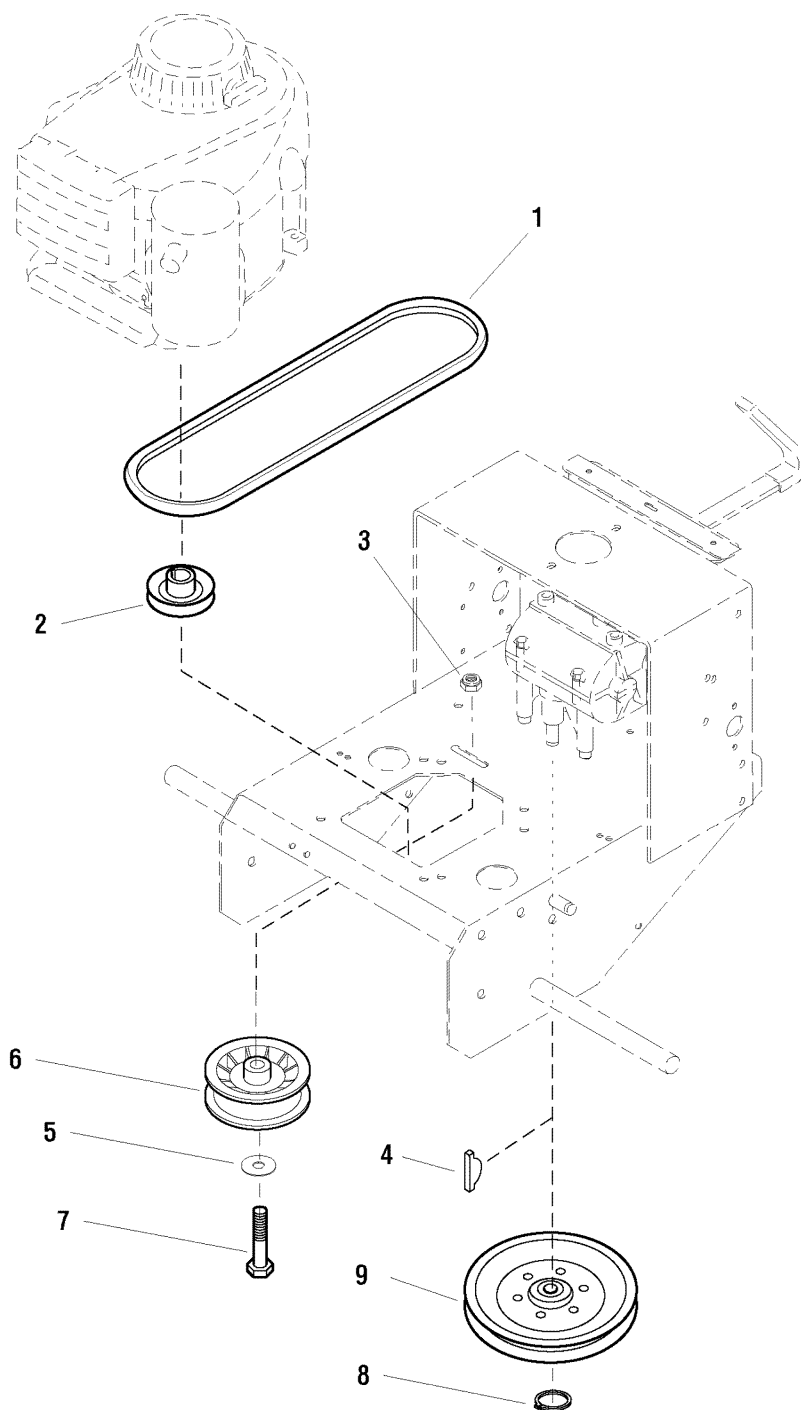
The above parts group applies to the following Mfg. Nos.:

5900030 (BGF48KAV15) BGF36K
5901012 (BGF48KA)
5901009 (BGF36KA)
5901015 (BGF52KAV15)
5900027 (BGF36KAV15)
5901014 (BGF52KA)

Gearbox Mount Group

080GBX0

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

5901009 (BGF36KA) BGF36K
5901012 (BGF48KA)
5901014 (BGF52KA)
5900027 (BGF36KAV15)
5900030 (BGF48KAV15)
5901015 (BGF52KAV15)

Gearbox Mount Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5021736	1	BELT
2	5021830	1	PULLEY, Transmission Drive
3	5025394	1	NUT, 3/8-16 Hex Nylon Flange
4	5025293v	1	WASHER, 3/8" GD9
5	5025156	1	WASHER, 3/8" SAE
6	5043613	1	IDLER PULLEY ASSEMBLY
7	5025013X14	1	BOLT, 3/8-16 x 1-3/4
8	5020107	1	RING, External, Snap
9	5021819	1	PULLEY, Gear Box Input

Footnotes

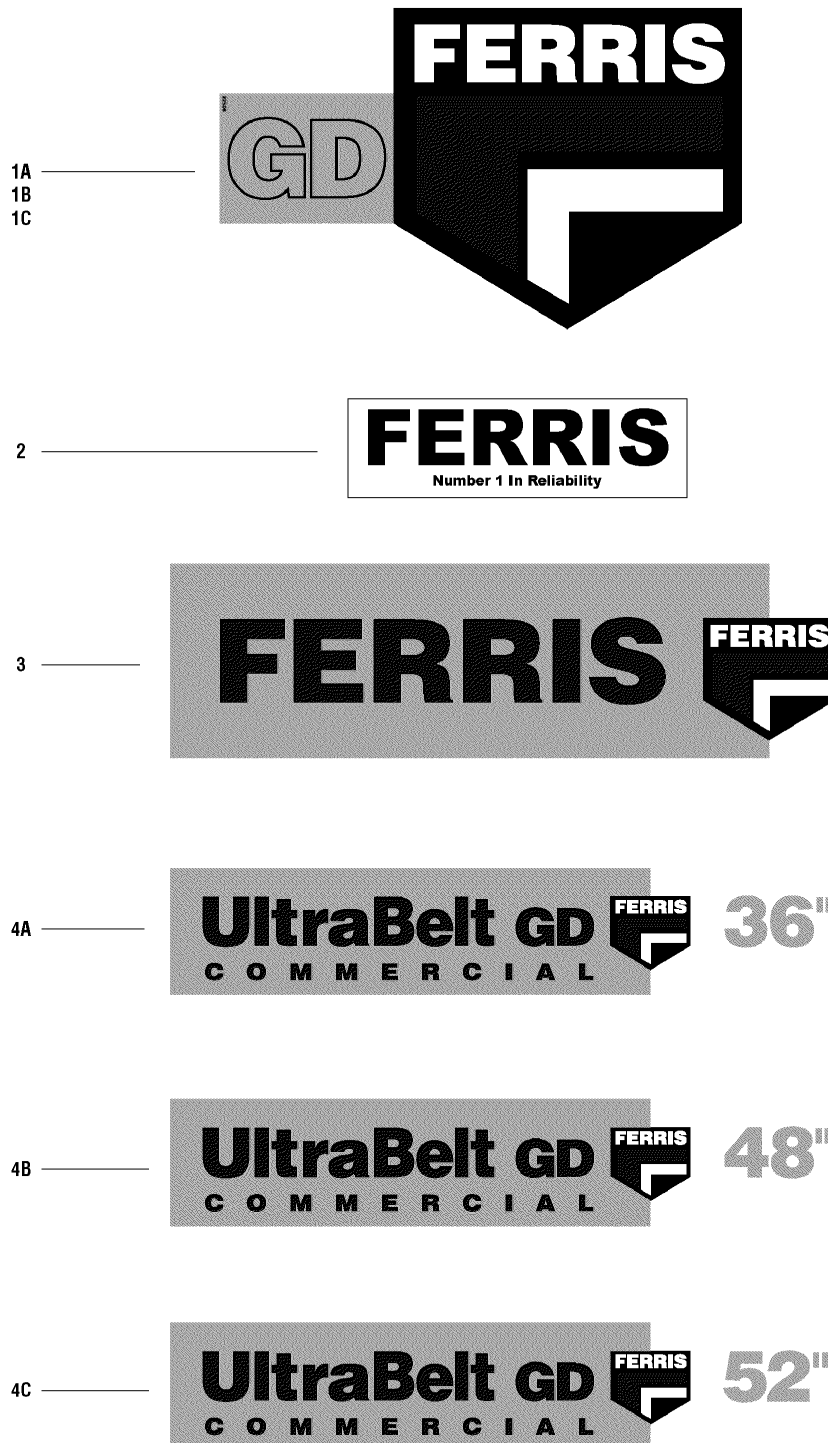
The above parts group applies to the following Mfg. Nos.:

5901009 (BGF36KA) BGF36K
5901012 (BGF48KA)
5901014 (BGF52KA)
5900027 (BGF36KAV15)
5900030 (BGF48KAV15)
5901015 (BGF52KAV15)

Decal Group - Brand & Model

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

080DCLB



The above parts group applies to the following Mfg. Nos.:

5900027 (BGF36KAV15)

5900030 (BGF48KAV15)

BGF36K

5901014 (BGF52KA)

5901015 (BGF52KAV15)

5901012 (BGF48KA)

5901009 (BGF36KA)

Decal Group - Brand & Model

REF NO.	PART NO.	QTY.	DESCRIPTION
1A	5022506	1	Decal, Ferris Logo, 36
1B	5022509	1	Decal, UltraBelt, 48
1C	5022511	1	Decal, UltraBelt, 52
2	5020849	1	DECAL, Ferris Word Logo
3	5022560	1	DECAL, Ferris Text Logo
4A	5022507	1	Decal, UltraBelt, 36
4B	5022509	1	Decal, UltraBelt, 48
4C	5022511	1	Decal, UltraBelt, 52

Footnotes

The above parts group applies to the following Mfg. Nos.:

5900027 (BGF36KAV15) 5900030 (BGF48KAV15)

BGF36K

5901014 (BGF52KA)

5901015 (BGF52KAV15)

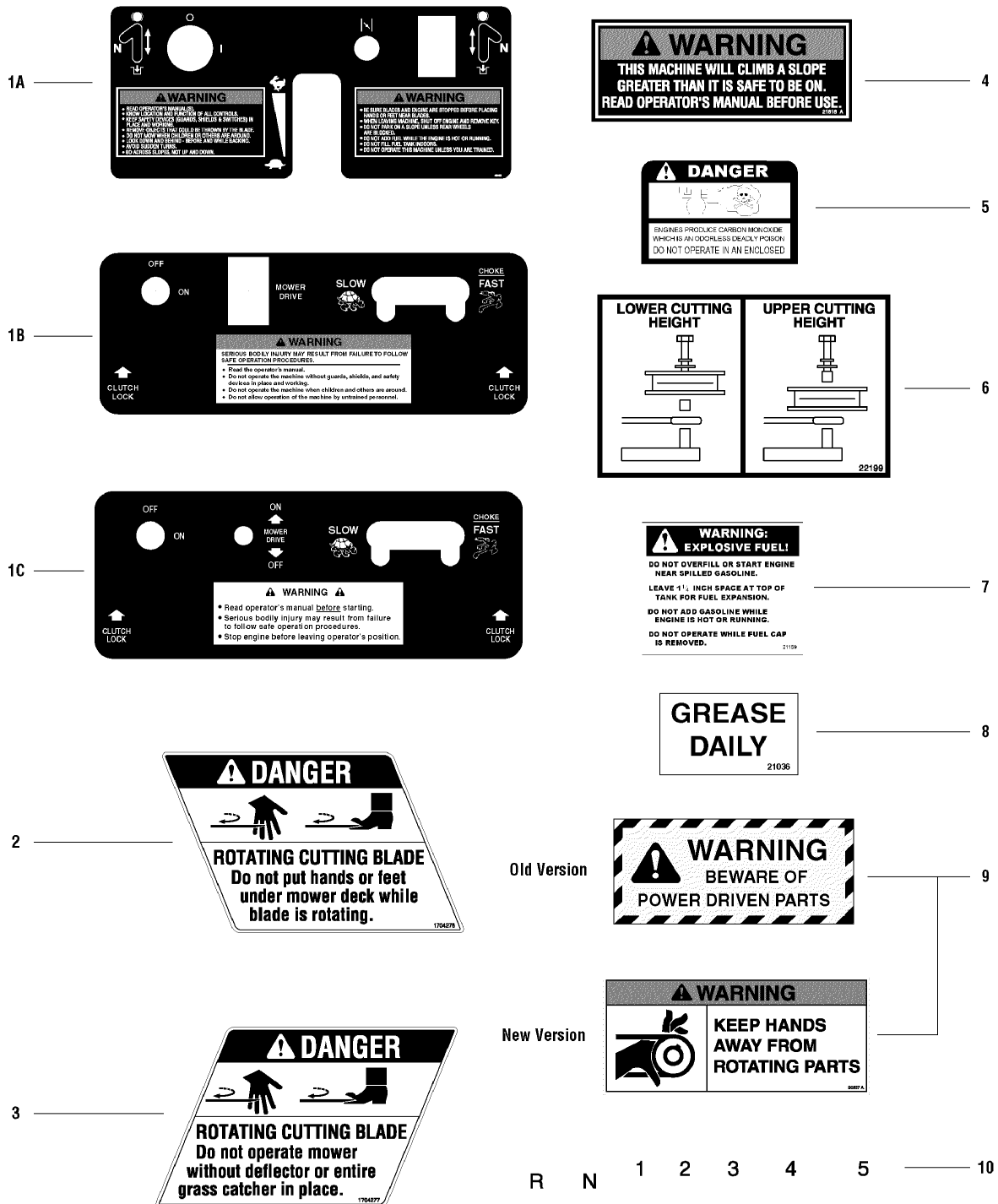
5901012 (BGF48KA)

5901009 (BGF36KA)

Decal Group - Safety & Operation

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

080DCL5



The above parts group applies to the following Mfg. Nos.:

5900027 (BGF36KAV15) 5901009 (BGF36KA)
 5901014 (BGF52KA)
 5901012 (BGF48KA)
 BGF36K
 5900030 (BGF48KAV15)
 5901015 (BGF52KAV15)

Decal Group - Safety & Operation

REF NO.	PART NO.	QTY.	DESCRIPTION
1A	5048963	1	DECAL, BGF Dash (S/N: 5409 & above)
1B	5022326	1	DECAL, BGF Dash (S/N: 3079 - 5408)
1C	5021852	1	DECAL, BGF Dash (S/N: 3078 & below)
2	1704277	1	DECAL, Danger (Chute In Place)
3	1704276	1	DECAL, Danger (Hand Under Deck)
4	5021818	1	DECAL, Warning, Machine Will Climb
5	5021411	1	DECAL, Danger, Carbon Monoxide
6	5022199	1	DECAL, Pulley Position
7	5048261	1	DECAL, Warning, Explosive Fuel
8	5021036	1	DECAL, Grease Daily
9	5020337	1	DECAL, Warning
10	5021853	1	DECAL, Gear Selector

Footnotes

The above parts group applies to the following Mfg. Nos.:

5900027 (BGF36KAV15) 5901009 (BGF36KA)

5901014 (BGF52KA)

5901012 (BGF48KA)

BGF36K

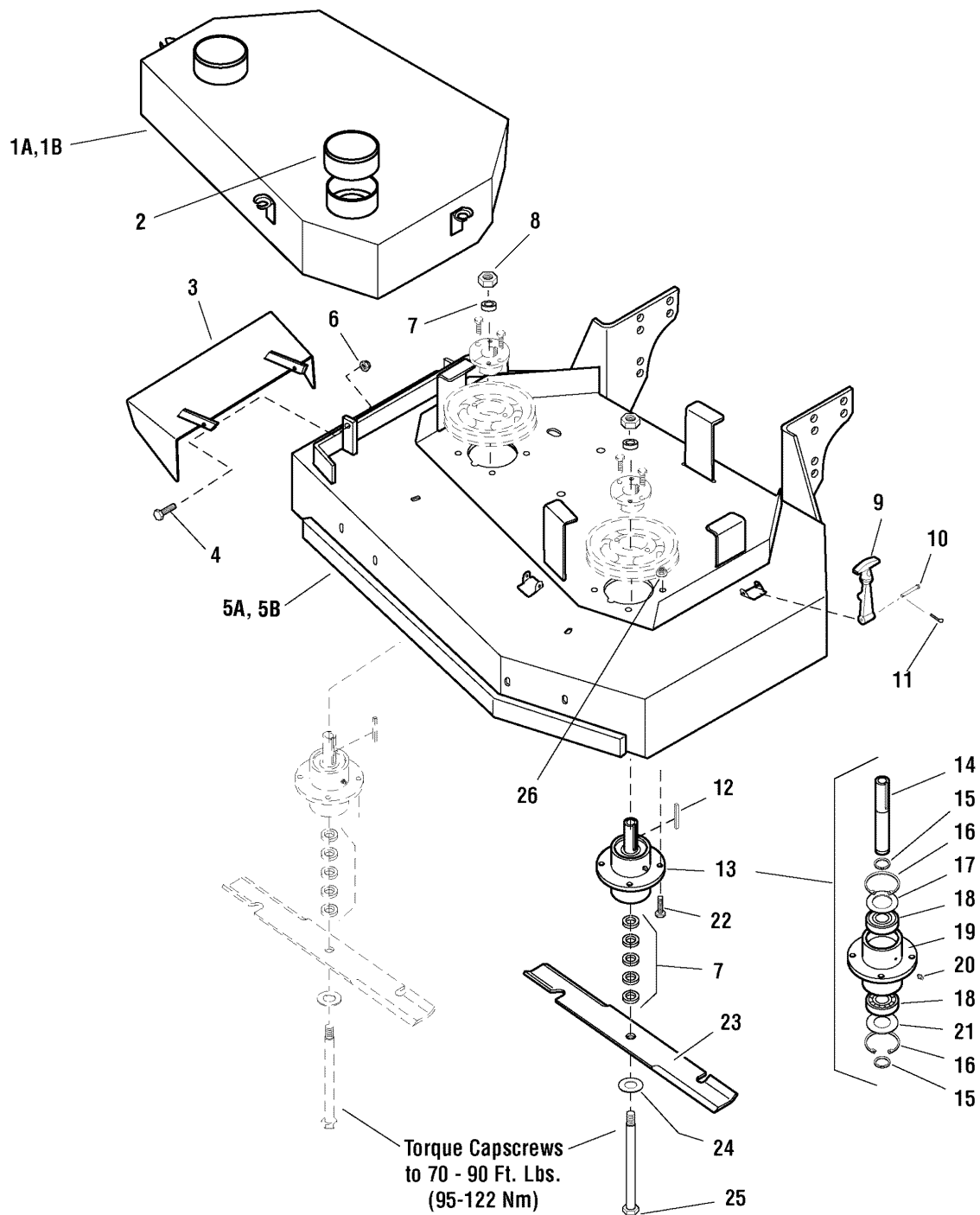
5900030 (BGF48KAV15)

5901015 (BGF52KAV15)

36" Mower Deck - Housing, Cover, Spindles & Blades

0803HC0

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

5901009 (BGF36KA)
5900027 (BGF36KAV15)
BGF36K

36" Mower Deck - Housing, Cover, Spindles & Blades

REF NO.	PART NO.	QTY.	DESCRIPTION
1A	5031018B	1	36" DECK GUARD (S/N: 1658 & below)
1B	5031110B	1	36" DECK GUARD (S/N: 1659 & above)
2	5021674	2	VINYL CAP
3	5042565B	1	DISCHARGE CHUTE
4	5025011X8	2	BOLT, 5/16-18 x 1
5A	5031001B	1	36" MOWER HOUSING (S/N: 1658 & below)
5B	6631111	1	36" MOWER HOUSING ASSEMBLY (Includes safety decals, S/N: 1659 & above)
6	5025057	1	NUT, 5/16-18 Hex Nylon Lock
7	5041477	12	SPACER, .63 x 1.06 x .23
8	5025040	2	NUT, 5/8-11 Hex
9	5020841X1	3	RUBBER LATCH
10	5020841X4	3	CLEVIS PIN
11	5020841X5	3	COTTER PIN
12	5050407X9	2	KEY, 1/4 SQ. X 2-1/2
13	5030301	2	SPINDLE ASSEMBLY, Complete
14	5041480	2	SPINDLE SHAFT
15	5020864	4	SNAP RING, External
16	5020866	4	SNAP RING, Internal
17	5041653	2	SPINDLE WASHER, Top
18	5020828	4	BEARING
19	5030293	2	SPINDLE HOUSING
20	5020095	2	GREASE FITTING
21	5041672	2	SPINDLE WASHER, Bottom
22	5023156	8	BOLT, Flange Head, 5/16-18 x 1-1/4
23	5021227	2	MOWER BLADE, 18"
24	5025159	2	WASHER, 5/8" USS
25	5025019X76	2	BOLT, 5/8-11 x 9-1/2
26	5025392	8	NUT, 5/16-18 Hex Nylon Flange

Footnotes

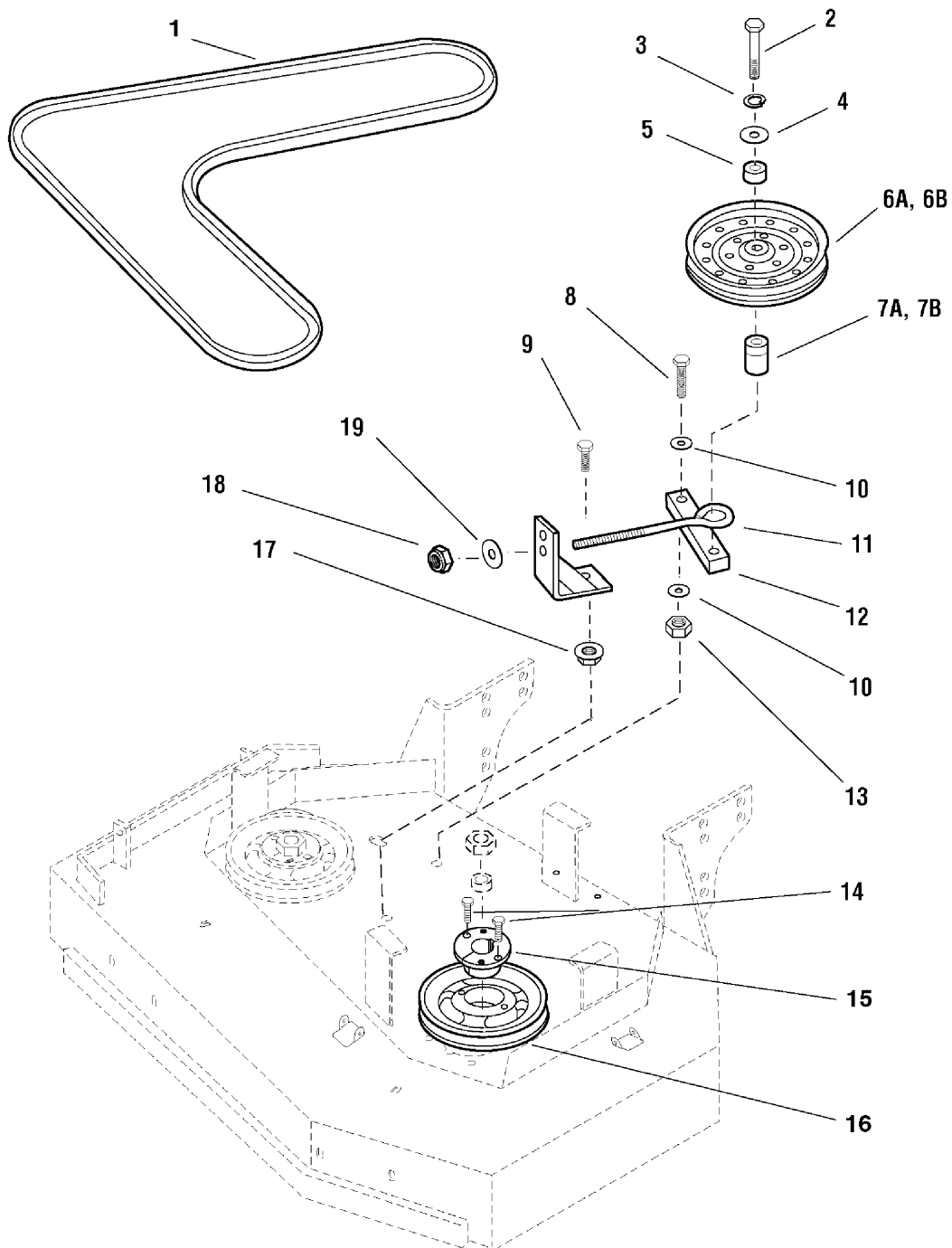
The above parts group applies to the following Mfg. Nos.:

5901009 (BGF36KA)
5900027 (BGF36KAV15)
BGF36K

36" Mower Deck - Pulleys, Belt & Idler Arm

0803PB0

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

5900027 (BGF36KAV15)

5901009 (BGF36KA)

BGF36K

36" Mower Deck - Pulleys, Belt & Idler Arm

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5021847	1	BELT, Deck Drive
2	5025018X32	1	BOLT, 1/2-20 X 4
3	5025173	1	WASHER, 1/2" Lock (S/N: 1659 & above)
4	5025158	1	WASHER, 1/2" SAE
5	5045178	1	SPACER, .52 x 1.00 x .75 (S/N: 1659 & above)
6A	5021096	1	PULLEY, Backside Idler (S/N: 1658 & below)
6B	5021976	1	PULLEY, Idler (S/N: 1659 & above)
7A	5044673	1	SPACER, .52 X 1.00 X .88 (S/N: 1658 & below)
7B	5045204	1	SPACER, .52 x 1.00 x 1.63 (S/N: 1659 & above)
8	5025016X14	1	BOLT, 7/16-20 X 1-3/4
9	5025013X8	1	BOLT, 3/8-16 x 1
10	5025157	2	WASHER, 7/16" SAE
11	5021811	1	EYEBOLT, 3/8" x 8"
12	5044610B	1	ARM, Idler
13	5025094	1	NUT, 7/16-20 Hex Nylon Lock
14	5025010X10	4	BOLT, 1/4-20 X 1
15	5020819	2	BUSHING, Tapered Hub
16	5020814	2	PULLEY, Spindle
17	5025128	1	NUT, 3/8-16 Hex Serrated Flange
18	5025096	1	NUT, 3/8-16 Hex Nylon Lock
19	5025156	1	WASHER, 3/8" SAE

Footnotes

The above parts group applies to the following Mfg. Nos.:

5900027 (BGF36KAV15)

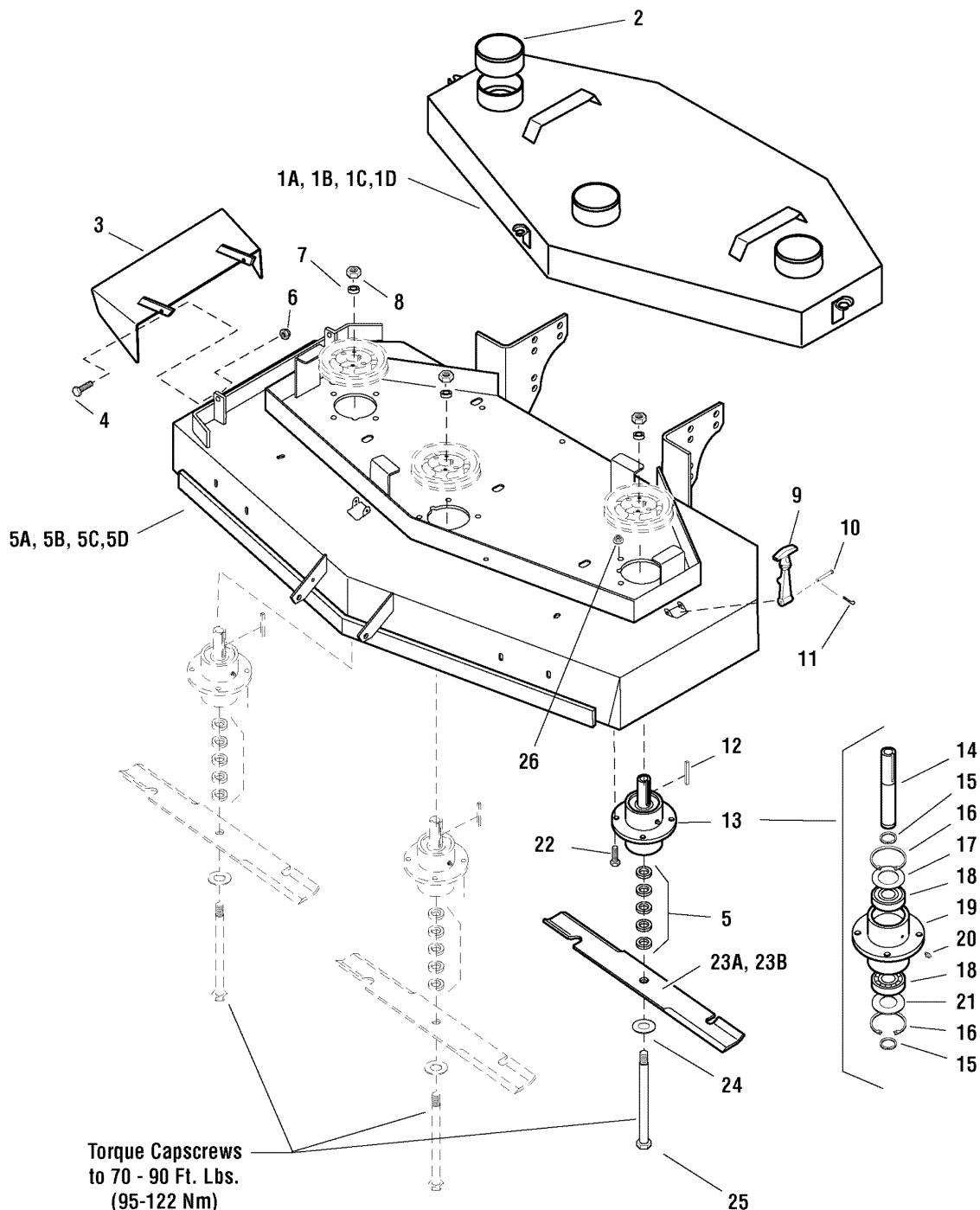
5901009 (BGF36KA)

BGF36K

48" & 52" Mower Decks - Housing, Covers, Spindles & Blades

0808HC0

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

5901012 (BGF48KA)
5901015 (BGF52KAV15)
5901014 (BGF52KA)
5900030 (BGF48KAV15)

48" & 52" Mower Decks - Housing, Covers, Spindles & Blades

REF NO.	PART NO.	QTY.	DESCRIPTION
1A	5031020B	1	48" DECK GUARD (S/N: 1658 & below)
1B	5031106B	1	48" DECK GUARD (S/N: 1659 & above)
1C	5031022B	1	52" DECK GUARD (S/N: 1658 & below)
1D	5031108B	1	52" DECK GUARD (S/N: 1659 & above)
2	5021674	3	VINYL CAP
3	5041668B	1	DISCHARGE CHUTE
4	5025011X8	2	BOLT, 5/16-18 x 1
5A	5031004B	1	48" MOWER HOUSING (S/N: 1658 & below)
5B	6631104	1	48" MOWER HOUSING ASSEMBLY (Includes safety decals, S/N: 1659 & above)
5C	5031007B	1	52" MOWER HOUSING (S/N: 1658 & below)
5D	6631112	1	52" MOWER HOUSING ASSEMBLY (Includes safety decals, S/N: 1659 & above)
6	5025057	2	NUT, 5/16-18 Hex Nylon Lock
7	5041477	18	SPACER, .63 x 1.06 x .23
8	5025040	3	NUT, 5/8-11 Hex
9	5020841X1	3	RUBBER LATCH
10	5020841X4	3	CLEVIS PIN
11	5020841X5	3	COTTER PIN
12	5050407X9	3	KEY, 1/4 SQ. X 2-1/2
13	5030301	3	SPINDLE ASSEMBLY, Complete
14	5041480	3	SPINDLE SHAFT
15	5020864	6	SNAP RING, External
16	5020866	6	SNAP RING, Internal
17	5041653	3	SPINDLE WASHER, Top
18	5020828	6	BEARING
19	5030293	3	SPINDLE HOUSING
20	5020095	3	GREASE FITTING
21	5041672	3	SPINDLE WASHER, Bottom
22	5023156	12	BOLT, Flange Head, 5/16-18 x 1-1/4
23A	5021227	3	MOWER BLADE, 18"
23B	5020843	3	MOWER BLADE, 16-1/4"
24	5025159	3	WASHER, 5/8" USS
25	5025019X76	3	BOLT, 5/8-11 x 9-1/2
26	5025392	8	NUT, 5/16-18 Hex Nylon Flange

Footnotes

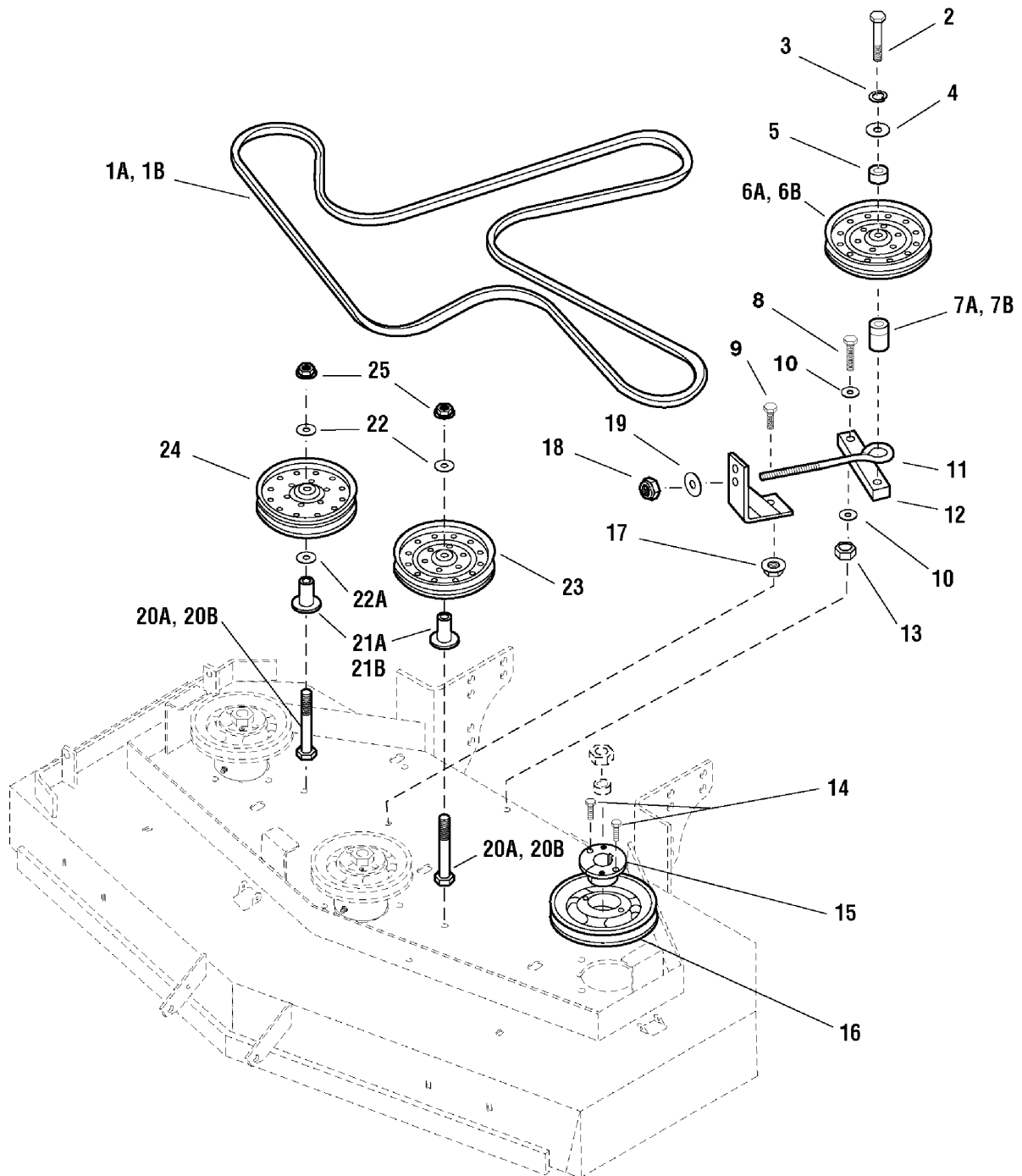
The above parts group applies to the following Mfg. Nos.:

5901012 (BGF48KA)
5901015 (BGF52KAV15)
5901014 (BGF52KA)
5900030 (BGF48KAV15)

48" & 52" Mower Decks - Pulleys, Belt & Idler Arm

0808PB0

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

5900030 (BGF48KAV15)
5901012 (BGF48KA)
5901014 (BGF52KA)
5901015 (BGF52KAV15)

48" & 52" Mower Decks - Pulleys, Belt & Idler Arm

REF NO.	PART NO.	QTY.	DESCRIPTION
1A	5021854	1	BELT, Deck Drive BGF52
1B	5021297	1	BELT, Blade Spindle (BGF48)
2	5025018X32	1	BOLT, 1/2-20 X 4
3	5025173	1	WASHER, 1/2" Lock (S/N: 1659 & above)
4	5025158	1	WASHER, 1/2" SAE
5	5045178	1	SPACER, .52 x 1.00 x .75 (S/N: 1659 & above)
6A	5021096	1	PULLEY, Backside Idler (S/N: 1658 & below)
6B	5021976	1	PULLEY, Idler (S/N: 1659 & above)
7A	5044673	1	SPACER, .52 X 1.00 X .88 (S/N: 1658 & below)
7B	5045176	1	SPACER, .52 x 1.00 x 1.75 (S/N: 1659 & above)
8	5025016X14	1	BOLT, 7/16-20 X 1-3/4
9	5025013X8	1	BOLT, 3/8-16 x 1
10	5025157	2	WASHER, 7/16" SAE
11	5021811	1	EYEBOLT, 3/8" x 8"
12	5044610B	1	ARM, Idler
13	5025094	1	NUT, 7/16-20 Hex Nylon Lock
14	5025010X10	6	BOLT, 1/4-20 X 1
15	5020819	3	BUSHING, Tapered Hub
16	5020814	3	PULLEY, Spindle
17	5025128	1	NUT, 3/8-16 Hex Serrated Flange
18	5025096	1	NUT, 3/8-16 Hex Nylon Lock
19	5025156	1	WASHER, 3/8" SAE
20A	5025017X32	3	BOLT, 1/2-13 x 4 (S/N: 1658 & below)
20B	5025017X40	3	BOLT, 1/2-13 x 5 (S/N: 1659 & above)
21A	5044667B	2	MOUNT, Idler (S/N: 1658 & below)
21B	5045175B	2	MOUNT, Idler (S/N: 1659 & above)
22	5025158	2	WASHER, 1/2" SAE (S/N: 1658 & below)
22A	5025158	1	WASHER, 1/2" SAE (S/N: 1659 & above)
23	5021096	1	PULLEY, Backside Idler
24	5021831	1	PULLEY, Idler
25	5025056	2	NUT, 1/2-13 Hex Nylon Lock

Footnotes

The above parts group applies to the following Mfg. Nos.:

5900030 (BGF48KAV15)

5901012 (BGF48KA)

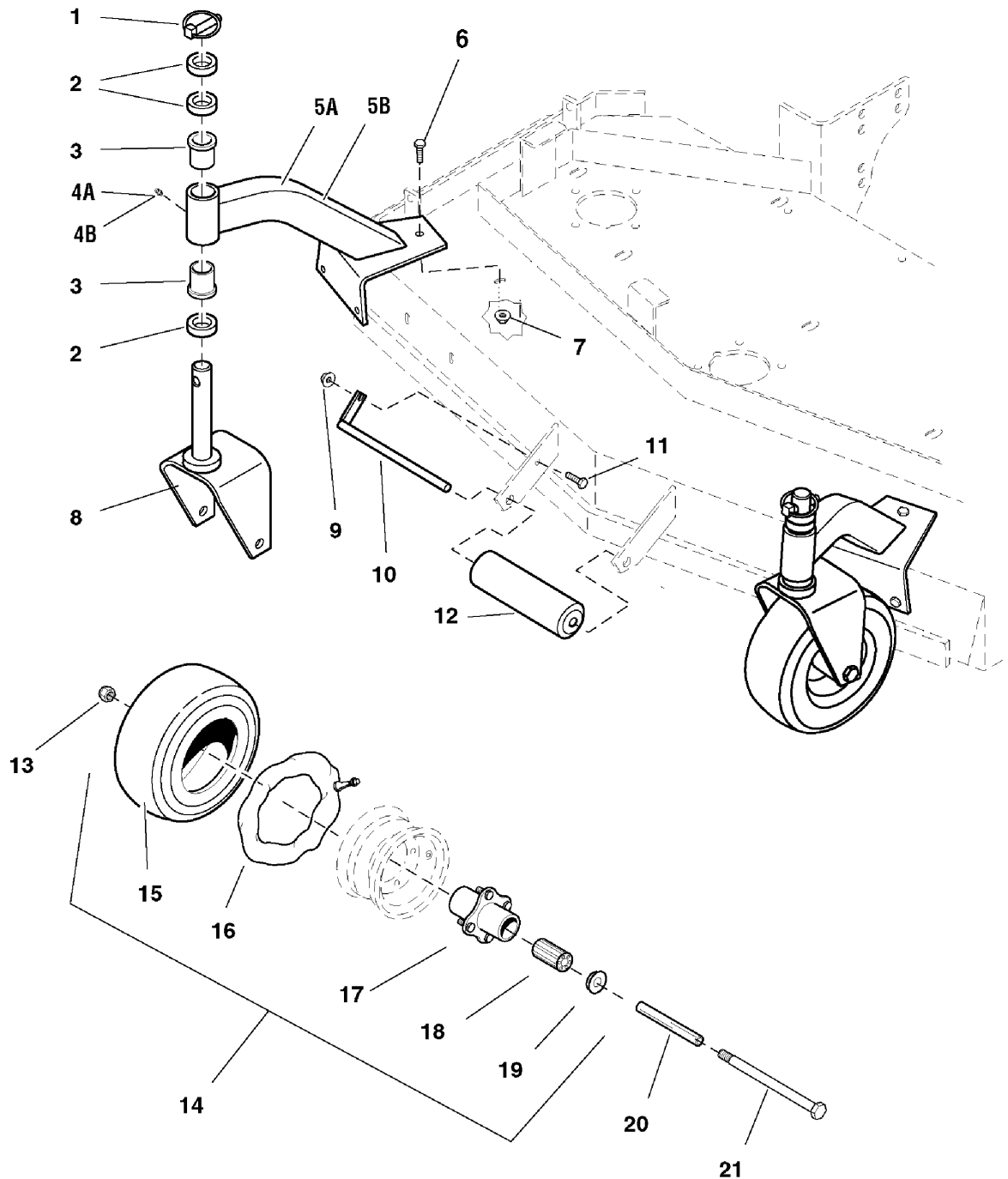
5901014 (BGF52KA)

5901015 (BGF52KAV15)

All Mower Decks - Rollers & Casters

0803RL0

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

5901012 (BGF48KA)	5900027 (BGF36KAV15)
5901009 (BGF36KA)	
5901015 (BGF52KAV15)	
BGF36K	
5901014 (BGF52KA)	
5900030 (BGF48KAV15)	

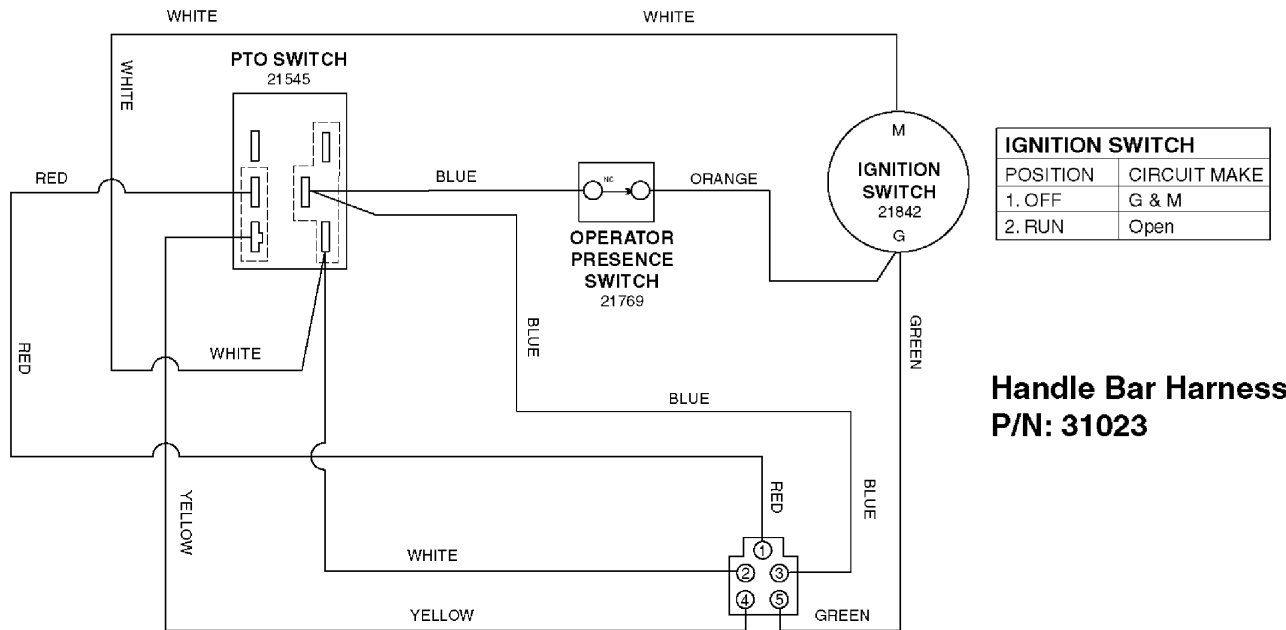
All Mower Decks - Rollers & Casters

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5020655	2	PIN, Lynch
2	5041476	6	SPACER, 1.02 x 1.56 x .50
3	5021541	4	BUSHING, Flange
4A	5021728	2	GREASE FITTING (S/N: 1658 & below)
4B	5020095	2	GREASE FITTING (S/N: 1659 & above)
5A	5044658B	2	CASTER MOUNT (S/N: 1658 & below)
5B	5043887	2	CASTER MOUNT, Complete (S/N: 1659 & above)
6	5025011X6	6	BOLT, 5/16-18 x 3/4
7	5025139	6	NUT, 5/16-18 Hex Large Serrated Flange
8	5041702B	2	YOKE, Caster
9	5025128	1	NUT, 3/8-16 Hex Serrated Flange (Applies to 52" Deck only)
10	5041655B	1	PIN, Roller Mount (Applies to 52" Deck only)
11	5025013X6	1	BOLT, 3/8-16 x 3/4 (Applies to 52" Deck only)
12	5020785	1	ROLLER (Applies to 52" Deck only)
13	5025056	2	NUT, 1/2-13 Hex Nylon Lock
14	5021181S	2	WHEEL & TIRE ASSEMBLY, Silver, 9 x 3.5 x 4, Complete (Includes Ref No. 15 - 19)
15	5021181X1	2	TIRE, Front, 9 x 3.5 x 4
16	5021181X2	2	TUBE
17	5021181X3	2	HUB & BEARING ASSEMBLY, Complete, White (Includes Ref No. 18 & 19)
18	5021182	2	BEARING, Roller (1 per tire)
19	5021043	4	RETAINER, Bearing (2 per tire)
20	5041657	2	AXLE, Caster Wheel
21	5025017X44	2	BOLT, 1/2-13 x 5-1/2

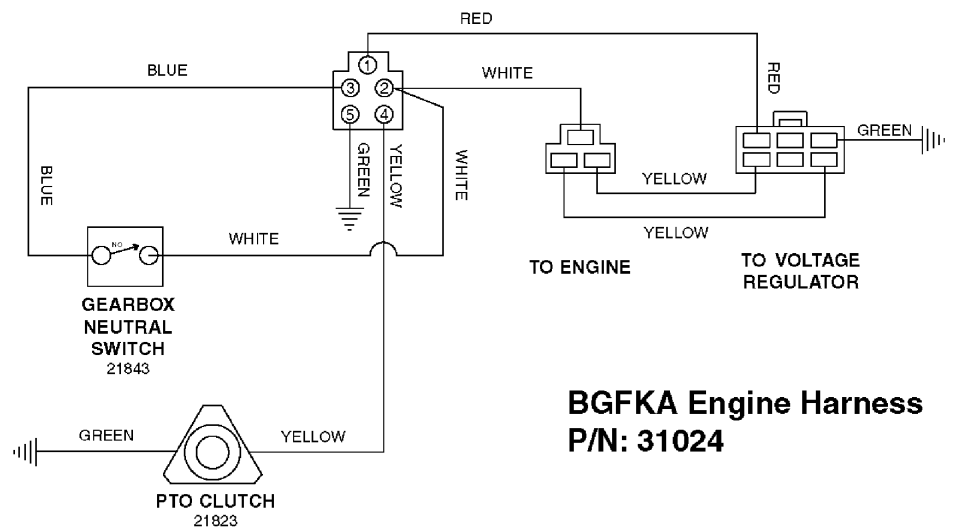
Footnotes

The above parts group applies to the following Mfg. Nos.:

5901012 (BGF48KA) 5900027 (BGF36KAV15)
5901009 (BGF36KA)
5901015 (BGF52KAV15)
BGF36K
5901014 (BGF52KA)
5900030 (BGF48KAV15)



Handle Bar Harness
P/N: 31023



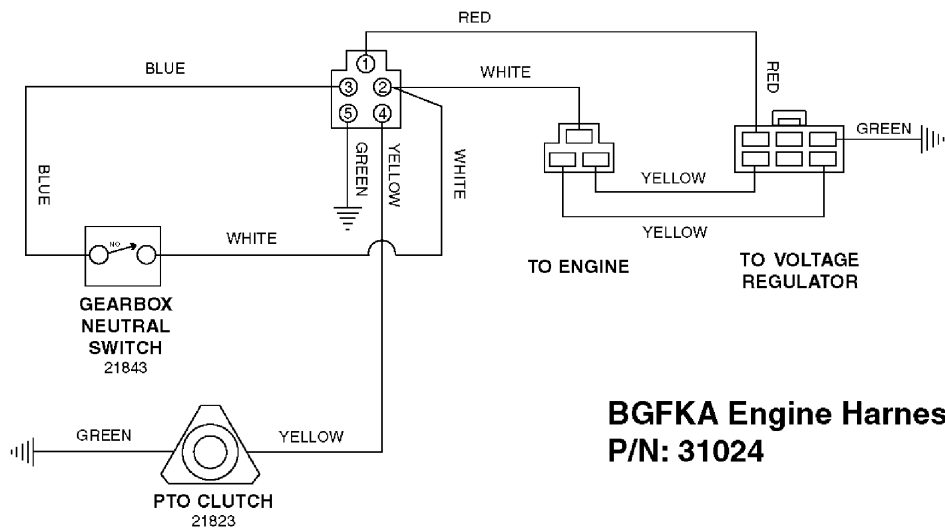
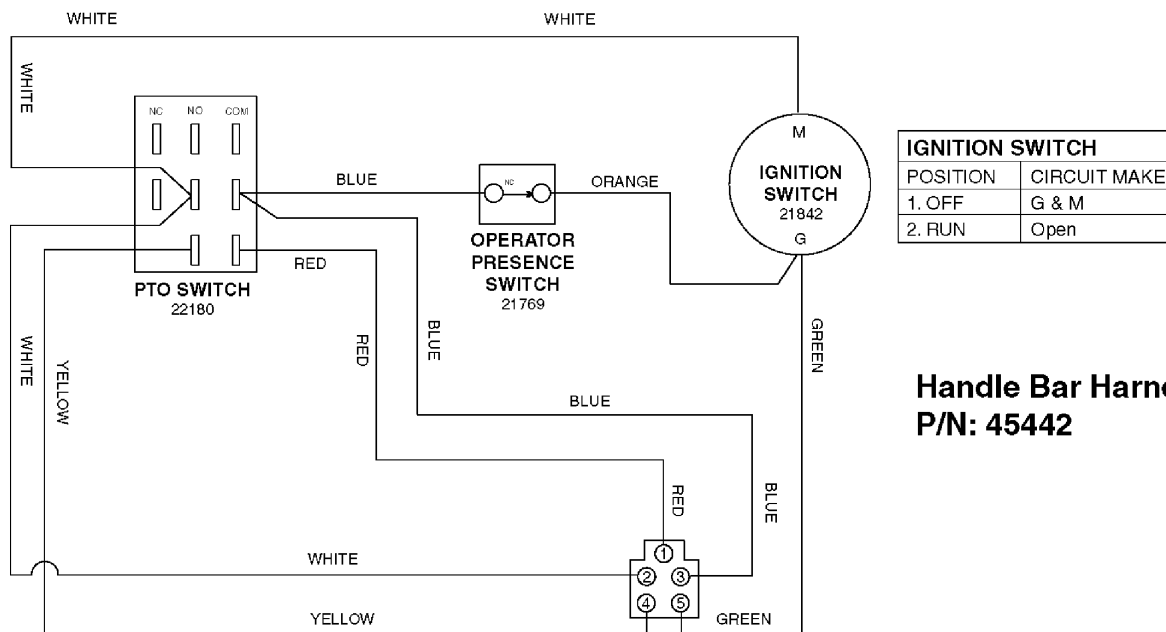
BGFKA Engine Harness
P/N: 31024

The above parts group applies to the following Mfg. Nos.:

5901009 (BGF36KA)

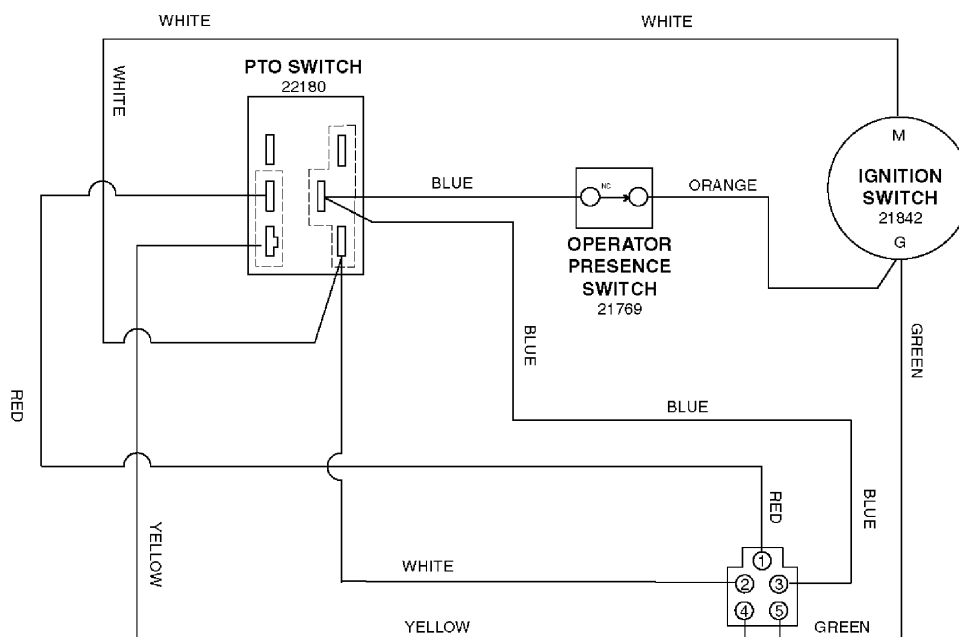
5901012 (BGF48KA)

5901014 (BGF52KA)



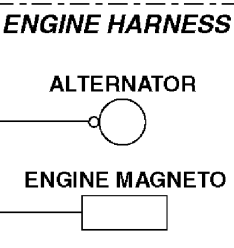
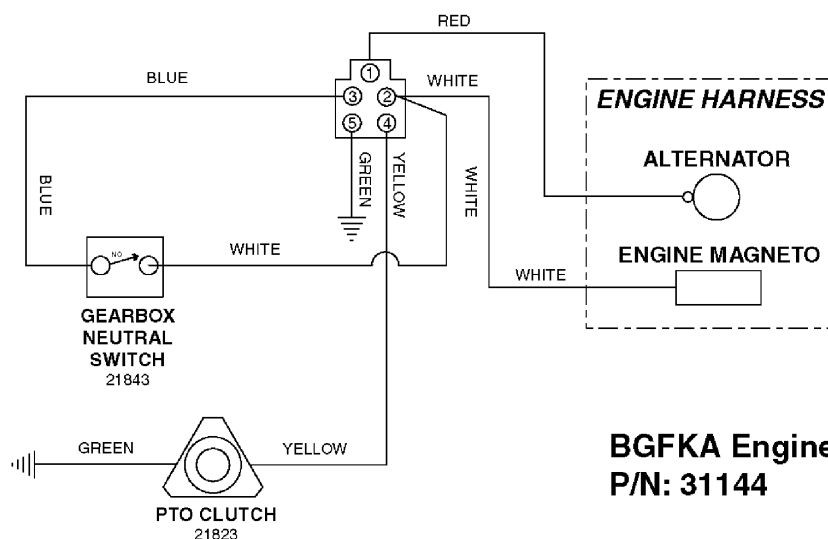
The above parts group applies to the following Mfg. Nos.:

5901009 (BGF36KA)
5901012 (BGF48KA)
5901014 (BGF52KA)



IGNITION SWITCH	
POSITION	CIRCUIT MAKE
1. OFF	G & M
2. RUN	Open

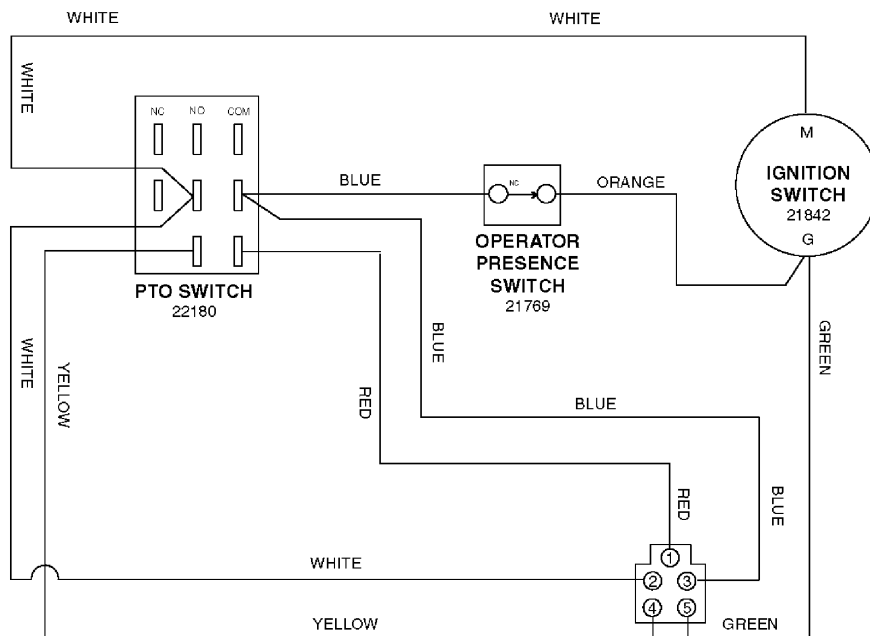
**Handle Bar Harness
P/N: 31023**



**BGFK Engine Harness
P/N: 31144**

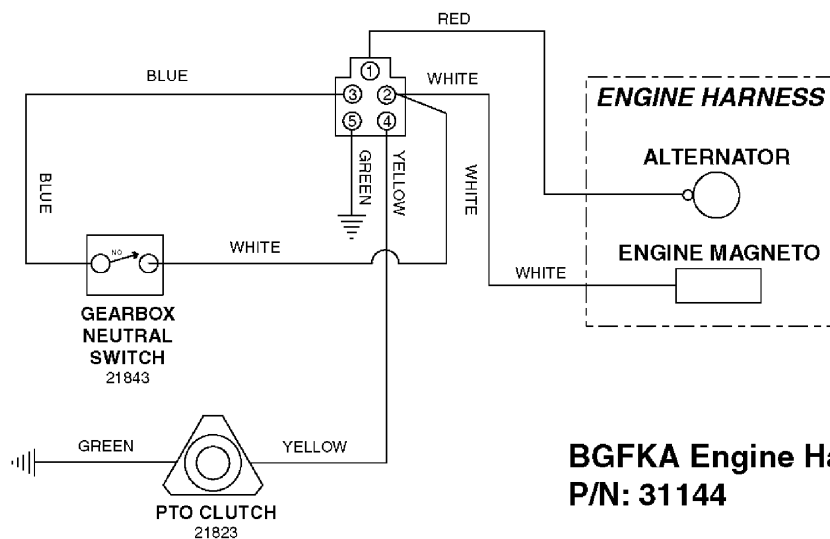
The above parts group applies to the following Mfg. Nos.:

- 5900027 (BGF36KAV15)
- 5900030 (BGF48KAV15)
- 5901015 (BGF52KAV15)



IGNITION SWITCH	
POSITION	CIRCUIT MAKE
1. OFF	G & M
2. RUN	Open

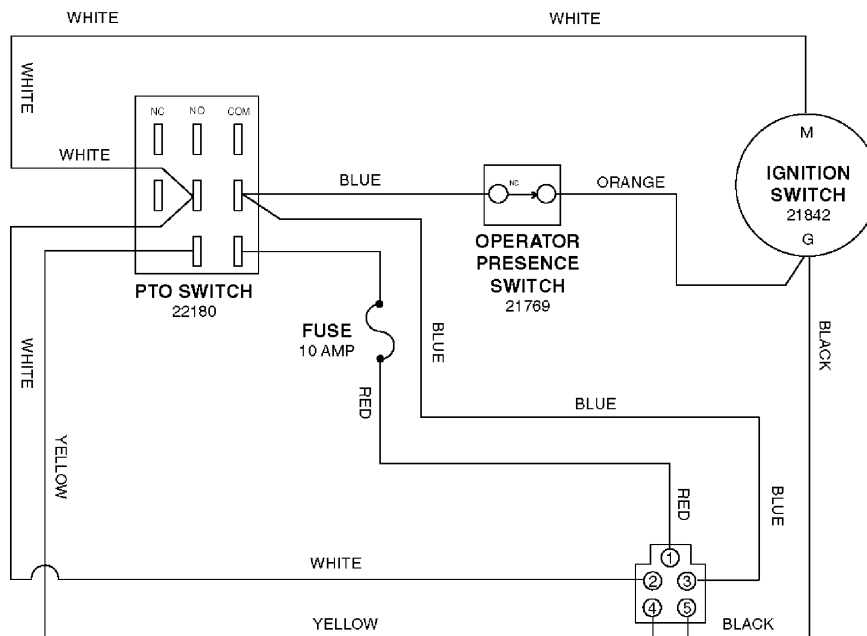
**Handle Bar Harness
P/N: 45442**



**BGFK Engine Harness
P/N: 31144**

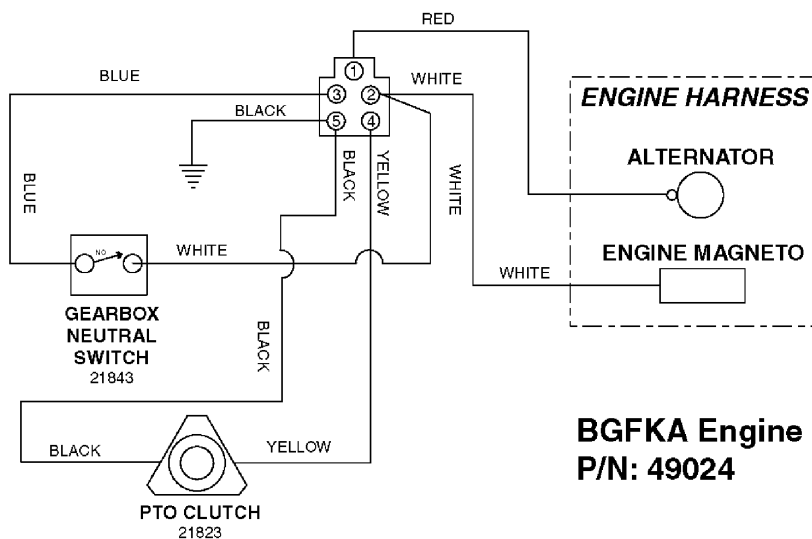
The above parts group applies to the following Mfg. Nos.:

- 5900027 (BGF36KAV15)
- 5900030 (BGF48KAV15)
- 5901015 (BGF52KAV15)



IGNITION SWITCH	
POSITION	CIRCUIT MAKE
1. OFF	G & M
2. RUN	Open

**Handle Bar Harness
P/N: 49025**



**BGFK Engine Harness
P/N: 49024**

The above parts group applies to the following Mfg. Nos.:

- 5900027 (BGF36KAV15)
- 5900030 (BGF48KAV15)
- 5901015 (BGF52KAV15)



BGF36K

Hardware Identification & Torque Specifications

Common Hardware Types

Hex Head Capscrew



Carriage Bolt



Washer



Lockwasher



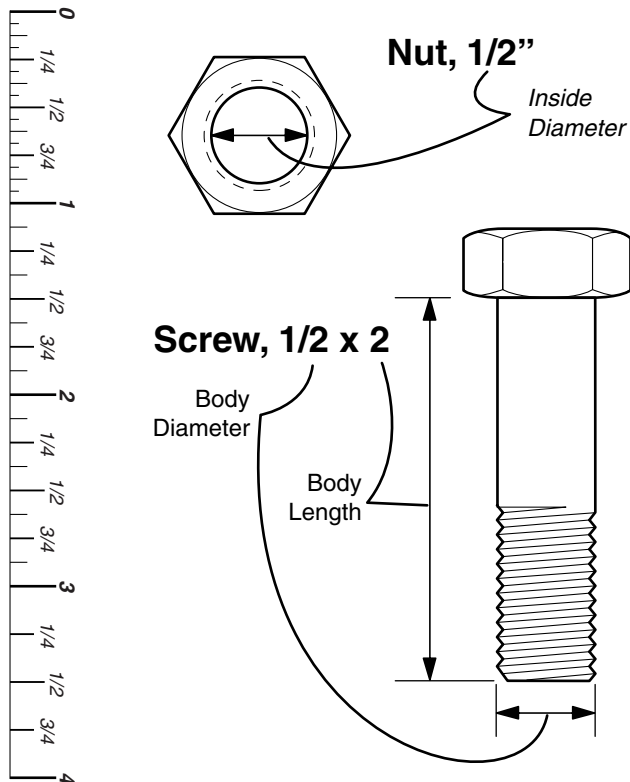
Hex Nut

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 x 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	
	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

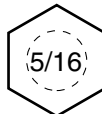
NOTES

- 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.

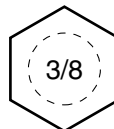
Wrench & Fastener Size Guide



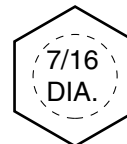
1/4" Bolt or Nut
Wrench—7/16"



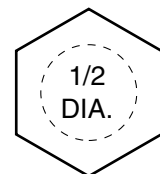
5/16" Bolt or Nut
Wrench—1/2"



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"

Parts Manual UltraBelt GD

Walk Behind Mower

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