



Parts Manual

Mfg. No: 2691104-00
ESPX2246, 46" 22 HP SPX Lawn Tractor
150 Series

1690555SM - Weight, Rear Wheel (1 Each).....	
1695776 - Catcher, Clean Sweep Triple, 46" & 52".....	
1695946YP - Grass Mulcher Kit, 46".....	
1696092 - Dozer Blade, 42".....	
1696423-00 - Snowthrower, Single Stage, 42".....	
7600071 - Cover, Tractor.....	
1696088 - Front Bumper Kit.....	
1695642 - Turbo, 46" & 52" Mower Deck.....	

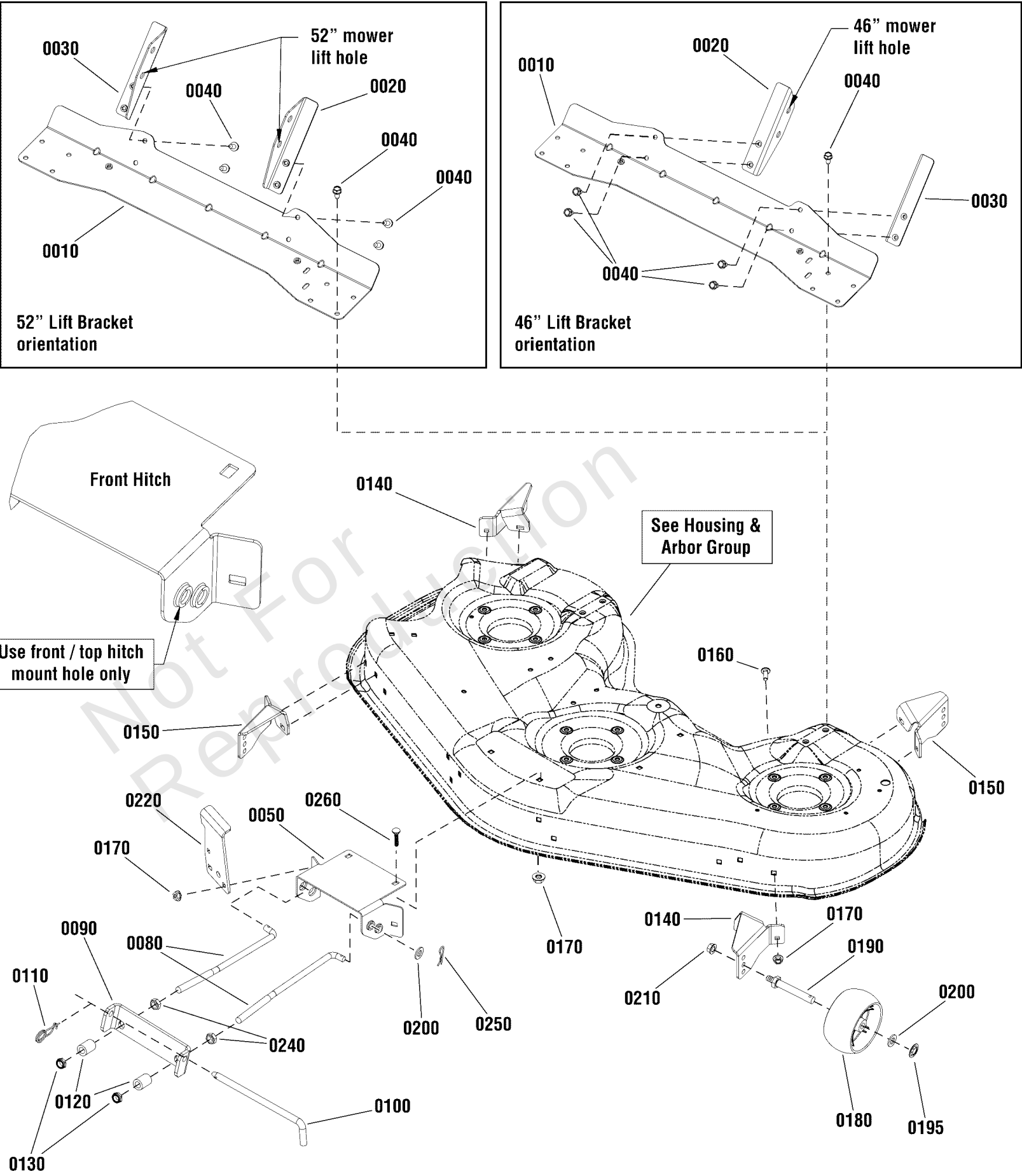
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46" & 52" Mower Deck - Height Adjustment Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691104-00



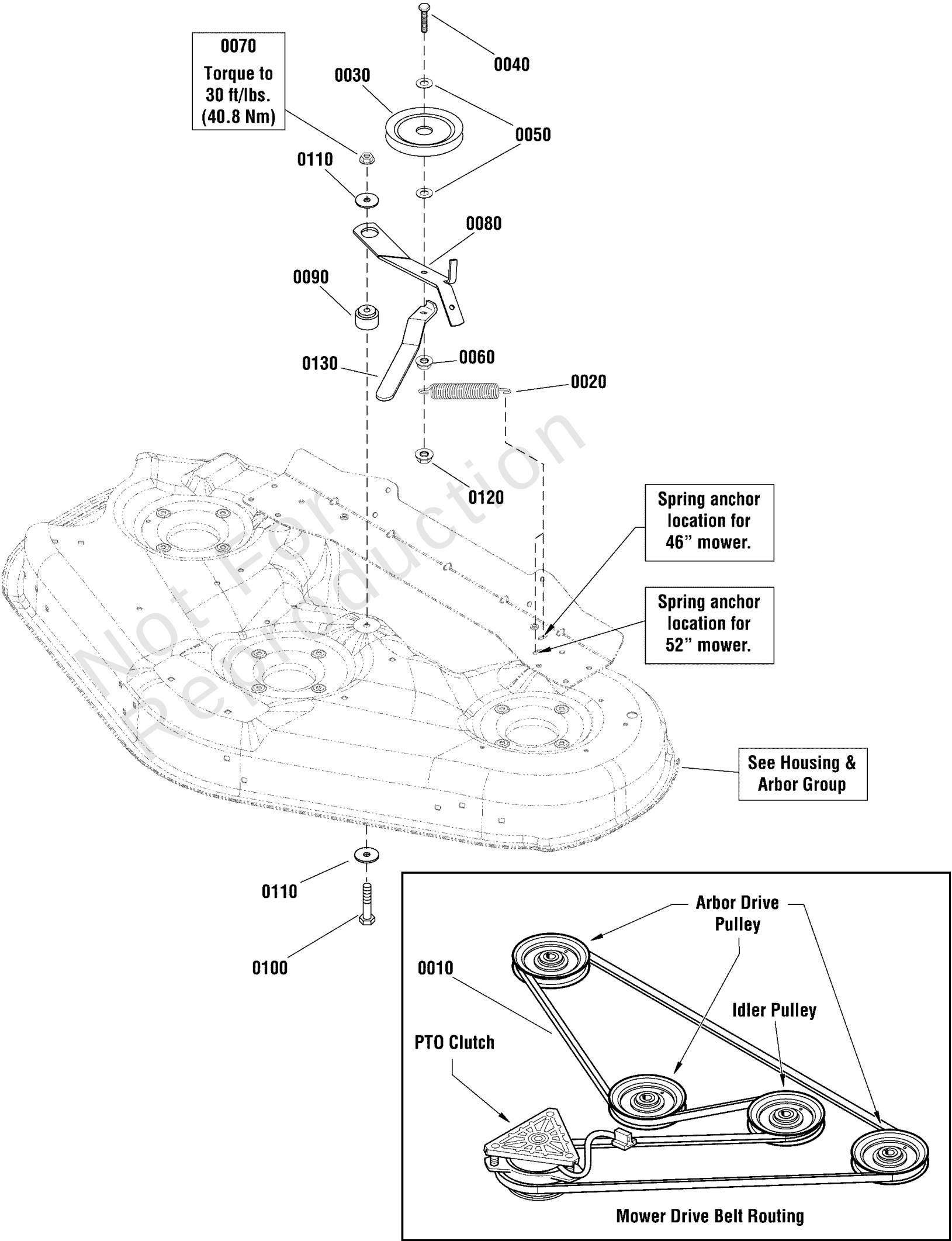
46" & 52" Mower Deck - Height Adjustment Group

REF NO	PART NO	QTY	DESCRIPTION
0010	1736070BMYP	1	SUPPORT, Rear Cross
0020	1736072AYP	1	BRACKET, Rear Mower Pickup (52-LH, 46-RH)
0030	1736073AYP	1	BRACKET, Rear Mower Pickup (52-RH, 46-LH)
0040	703228	8	SCREW, 5/16-18 X .75
0050	1736071BMYP	1	HITCH, FRONT
0080	1736081YP	2	ROD, Front Bail (1/2-13 thread) 46, 52" MWR
0090	1737059AYP	1	HANGER, Front Mower
0100	1731414SM	1	ROD, Latch, 1/2 x 9" Long, 42"
0110	703852	1	PIN, 5/16 X 0.375
0120	1679166SM	2	SPACER, 1/2 x 7/8 x 1 3/16
0130	1960379SM	2	NUT, Hex Lock, 1/2-13
0140	1736074BMYP	2	BRACKET, GAUGE WHEEL
0150	1736075BMYP	2	BRKT, GAUGE WHEEL, LH
0160	704065	13	BOLT, 5/16-18X.875
0170	703409	13	NUT, 5/16-18, GR5
0180	1736896YP	4	WHEEL, GAUGE
0190	1736539YP	4	BOLT, SHOULDER
0195	705437	4	PUSHNUT, .5" ID, Flat, Zinc/Clear
0200	703853	6	WASHER, 0.516IDX1OD
0210	703893	4	NUT, CNTR LCK, 3/8-16
0220	1736991AYP	1	Bracket, Upstop, 5.8" Tall
0240	1913744SM	2	NUT, Hex Jam, 1/2-13
0250	703300	2	PIN, 3/32 X 1.6
0260	703185	2	BOLT, Round Head, Short Square Neck

46" Mower Deck - Clutch Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691104-00



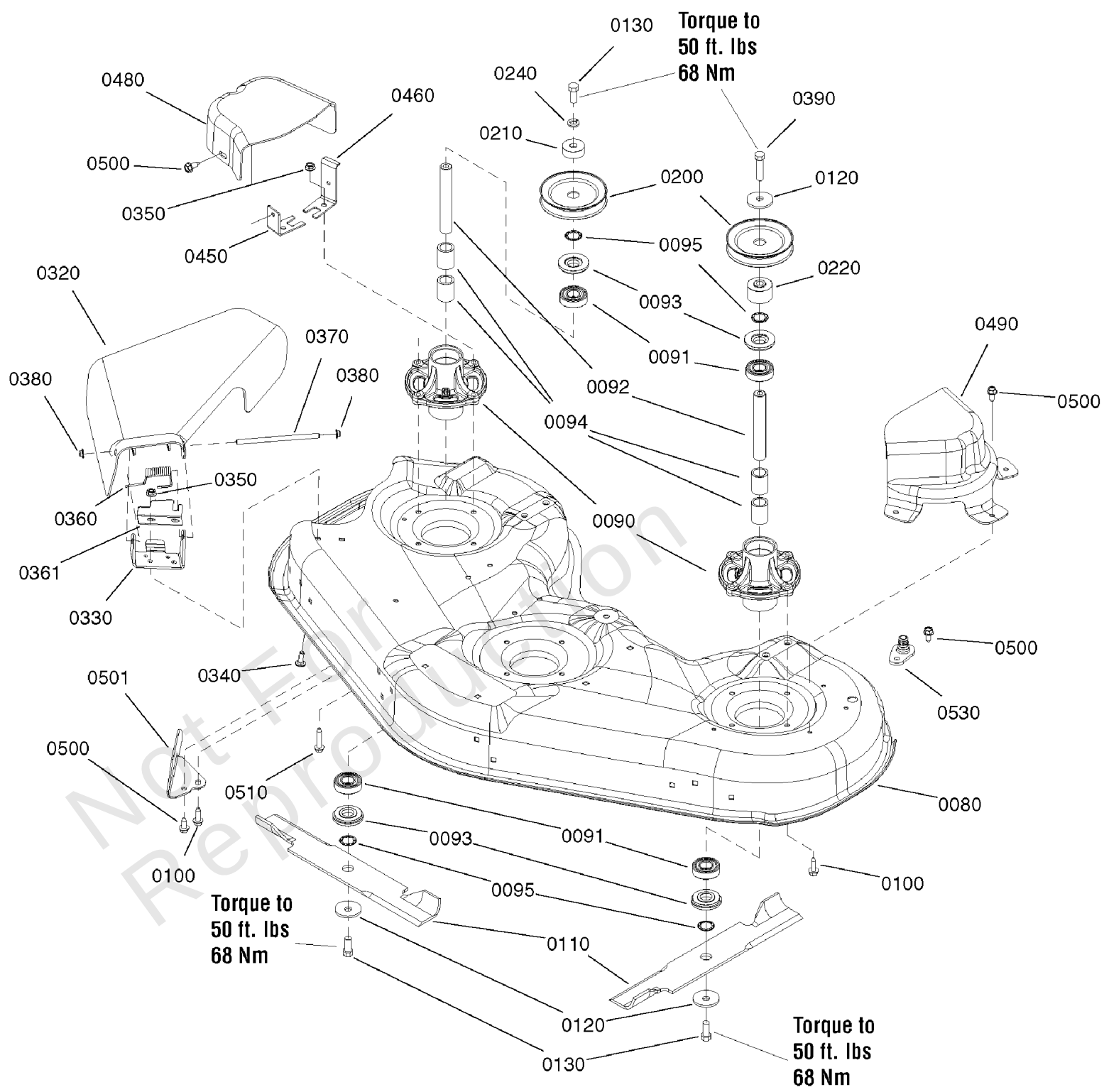
46" Mower Deck - Clutch Group

REF NO	PART NO	QTY	DESCRIPTION
0010	1719911SM	1	V-BELT, HA, A-Wedge, 117"
0020	1715772SM	1	SPRING, Extension, 5-1/4"
0030	1736540	1	PULLEY, Idler
0040	1933685	1	CAPSCREW, Hex Head, 3/8-16 x 2-1/2, G5
0050	1922755	1	WASHER, 3/8 x 1 OD
0060	1931211	1	NUT, Hex Flange, Whiz Lock, 3/8-16
0070	1960339	1	NUT, Hex Flange, Mac Lock, Large, 3/8-16
0080	1736551A	1	ARM, Idler
0090	1729007	1	SPACER, 0.387 ID x 1.50 OD x 1.04 LG
0100	1923701	1	CAPSCREW, Hex Head, 3/8-16 x 2, G5
0110	1924356	2	WASHER, 3/8 x 1-1/2 OD
0120	7091585	1	NUT, Center Lock, 3/8-16
0130	1755653BMYP	1	HANDLE, Idler Arm

46" Mower Deck - Housing, Arbor & Blades Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691104-00



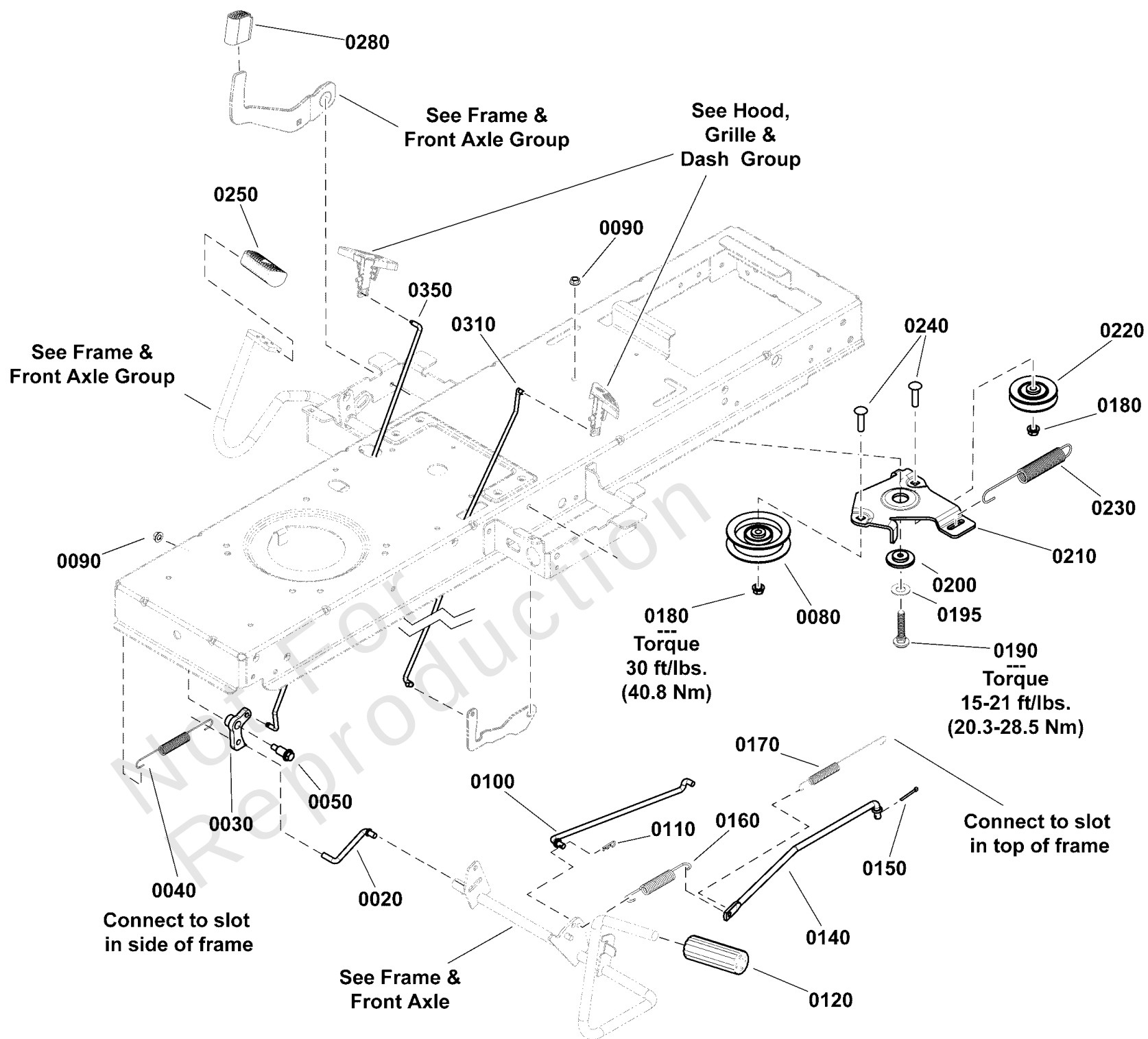
46" Mower Deck - Housing, Arbor & Blades Group

REF NO	PART NO	QTY	DESCRIPTION
0080	1687461YP	1	KIT, Housing, 46" Mower
0090	1735573	3	HOUSING, Spindle, Cast Alum Mach'd w/Ftg
0091	1735399	6	BEARING, Ball, 20mm
0092	1735326	3	SHAFT, Spindle, 20mm DIA 134.60mm LG
0093	1735323	6	SHIELD, Arbor, 2" OD
0094	1735328	6	SPACER, Bearing
0095	1960766	6	RING, Self Locking
0100	1960373	10	CAPSCREW, Hex Washer Head Taptite, 5/16-18 x 1
0110	1739889A	3	BLADE, Mower, 16.13" LG
0120	1656916	4	WASHER, Spring, 0.475 ID x 1.75 OD x .156 Th.
0130	1920676	5	CAPSCREW, Hex Head, 7/16-14 x 1, G5
0200	1735686	3	PULLEY, Split, 4.6 OD
0210	1735579	2	SPACER, Lower Drive
0220	1736445	1	SPACER, Pulley
0240	1918199	2	LOCKWSHER, Spring, 7/16
0320	1735447	1	DEFLECTOR, Discharge
0330	1736365A	1	PIVOT, Hinge
0340	1931333	2	BOLT, Carriage, Short Neck, 5/16-18 x 3/4, G5
0350	1931277	4	NUT, Hex Flange, Whiz Lock, 5/16-18
0360	1736364	1	SPRING, Torsion, Deflector
0361	1737359A	1	SHIELD, Hinge
0370	1736366	1	ROD, Deflector
0380	7012542	2	NUT, Push, 5/16
0390	1923027	1	CAPSCREW, Hex Head, 7/16-14 x 1-3/4, G5
0450	1736518A	1	BRACKET, Belt Cover, Front
0460	1736519A	1	BRACKET, Belt Cover, Rear
0480	1735752	1	COVER, Belt, RH
0490	1735750	1	COVER, Belt, LH
0500	1664847	7	CAPSCREW, Hex Washer Head Taptite, 5/16-18 x 3/4
0501	1737279A	1	BAFFLE, Pinchoff
0510	1930600	2	CAPSCREW, Hex Washer Head Taptite, 5/16-18 x 1-1/2
0520	1736898	1	CONNECTOR, Washout Port
0530	1735716	1	ADAPTER, Washout Port

Controls Group

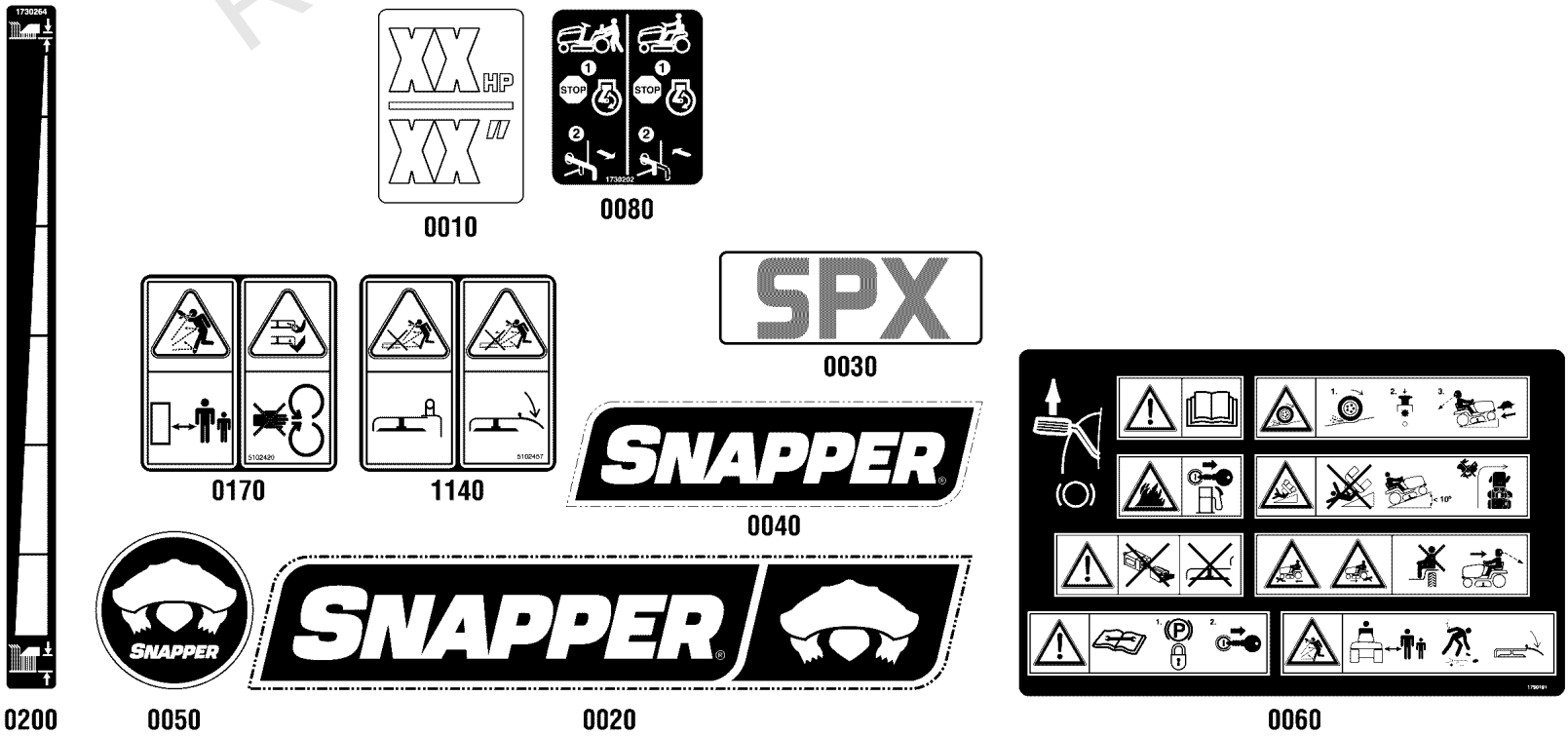
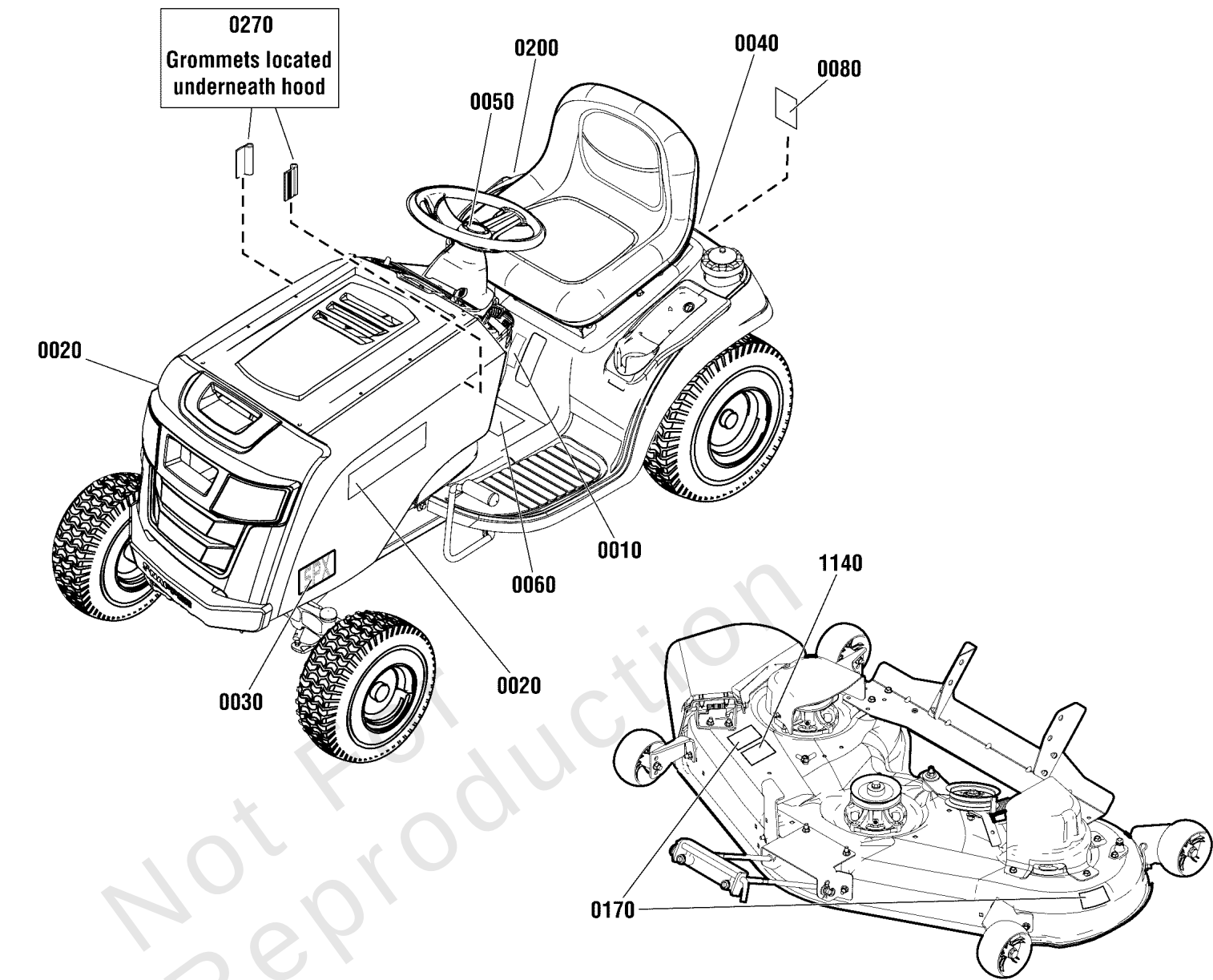
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691104-00



Controls Group

REF NO	PART NO	QTY	DESCRIPTION
0020	1727899SM	1	ROD, Cruise Latch, 5/16 Dia. x 2-13/16 Long
0030	1727897SM	1	LATCH, Cruise
0040	2159181SM	1	SPRING, Extension, 9/16 OD x 7-3/4 LG, .049 Wire
0050	1728976SM	1	BOLT, Shoulder, 5/16-18 x 1-5/8
0080	1728000SM	1	PULLEY, Idler, 3-1/8 OD, 3/8 ID
0090	703115	2	NUT
0100	1727254SM	1	ROD, Brake Return, 5/16 Dia. x 12-5/8 Long
0110	703430	1	PIN, 13X1.19
0120	1727261SM	1	PEDAL-BRAKE BLACK RUB
0140	1727253SM	1	ROD, Brake, 3/8 Dia. x 15-1/8 Long
0150	703312	1	PIN, COTTER, 3/32X.75
0160	1731262SM	1	SPRING, Extension, 11/16 x 3-3/8
0170	1721995SM	1	SPRING, Extension, 5/8 x 6-5/8
0180	703158	2	NUT, 3/8-16, Hex Flange, ESNA, Zinc/Clear
0190	703570	1	CAPSCREW, Hex Head, 5/16-18 x 1 1/4
0195	1919326SM	1	WASHER, 5/16
0200	1727935SM	1	SPACER-PIVOT 0.330ID
0210	1727894SM	1	BRACKET, Idler
0220	1728001SM	1	PULLEY, Idler, 3-1/8 OD, 3/8 ID
0230	1729620SM	1	SPRING, .98 OD X 7.52" LG, .11 Wire, Extension, Blk
0240	1931352SM	2	BOLT, Carriage, Short Neck, 3/8-16 x 1-1/2
0250	1721675SM	1	PAD, Forward Foot Pedal, Black Rubber
0280	1727259SM	1	PAD, Reverse Foot Pedal, Black Rubber
0310	1739876YP	1	ROD, Parking Brake, 1/4 Dia. x 16-3/8 Long
0350	1739877YP	1	ROD, Cruise, 1/4 Dia. x 17



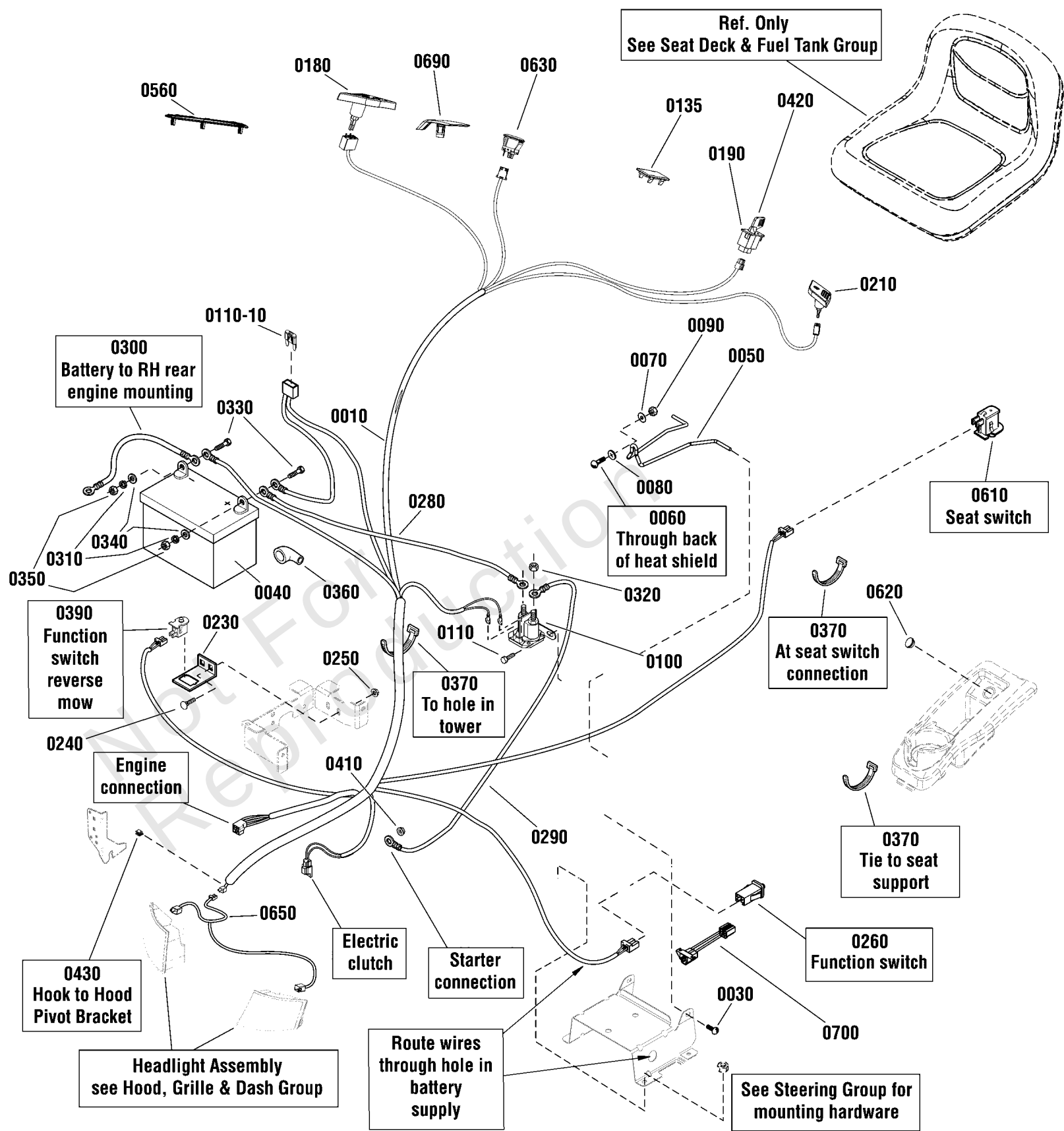
Decals Group

REF NO	PART NO	QTY	DESCRIPTION
0010	1754866YP	1	DECAL, Model ESPX2046
0010	1754867YP	1	DECAL, Model ESPX2246
0020	1751632YP	2	DECAL, Snapper, Turtle
0030	7104875YP	2	DECAL, Front Cover, SPX Series
0040	7104148YP	1	DECAL, LOGO, REAR
0050	1739085YP	1	DECAL, Snapper, Steering Wheel Icon
0060	1750191YP	1	DECAL, Tunnel
0080	1730202SM	1	DECAL, Tow Release Lever
0200	1730264SM	1	DECAL, Height Of Cut
0270	1739825YP	2	GROMMET, Strip
0170	5102420YP	2	DECAL, Danger Mower Deck
1140	5102457YP	1	DECAL, Danger Discharge

Electrical Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691104-00



Electrical Group

REF NO	PART NO	QTY	DESCRIPTION
0010	1753020YP	1	WIRING HARNESS (for Trombetta Ignition Switch) -(Model Part #'s 2691103-00 & 2691104-00)
0010	1757822YP	1	WIRING HARNESS (for Delta Ignition Switch) -(Model Part #2691104-01)
0010-10	-----	1	* FUSE, Mini, 20 Amp -(Included with Ref. No. 0110)
0030	1930601SM	2	SCREW, Hex Washer Head, Taptite, 5/16-18 x 5/8
0040	-----	1	BATTERY, 12 Volt, 7U1L
0050	1730007SM	1	HOLD DOWN, Battery
0060	1931318SM	1	BOLT, Carriage, 1/4-20 x 7/8, G5
0070	703229	1	WASHER, 1/4
0080	1960518SM	1	PUSHNUT, 1/4
0090	703232	1	NUT, 1/4-20, NYLOCK
0100	1728963SM	1	SOLENOID
0110	B4300GS	2	SCREW, Hex Washer Head, Taptite, 1/4-20 x 1/2
0135	1722611SM	1	PLUG-HOLE BLACK
0180	1738982YP	1	SWITCH, PTO
0190	1726556SM	1	SWITCH, RMO, Module Only
0210	1738983YP	1	SWITCH, Light
0230	1728026ASM	1	SUPPORT, RMO Switch
0240	703185	2	BOLT, Round Head, Short Square Neck
0250	703409	2	NUT, 5/16-18, GR5
0260	1732006SM	1	SWITCH, Push Button
0280	1752685YP	1	CABLE, 8GA, Red, 10"
0290	1751450YP	1	CABLE, 8GA, Red, 25"
0300	1752686YP	1	CABLE, 8GA, Black, 26"
0310	2816964SM	2	LOCKWASHER, 1/4
0320	2860750SM	2	NUT-HEX KEPS 5/16-24
0330	1923341SM	2	CAPSCREW, Hex Head, 1/4-20 x 3/4, G5
0340	2821319SM	2	WASHER, 1/4 x 5/8 OD
0350	2816622SM	2	NUT, Hex, 1/4-20
0360	1677296SM	1	BOOT, INSULATOR BATTER
0370	1701011SM	4	TIE, Self Locking, 7-5/16
0390	1732004SM	1	SWITCH-PUSH BUTTON
0410	703233	1	NUT, 1/4-20, GR5
0420	1726557SM	2	KEY, No Mow Module (Yellow)
0430	2172434SM	1	CLIP- WIRE DIA .390
0560	1752934YP	1	PLUG, Dash, No Hourmeter
0610	7023354YP	1	SWITCH, SEAT
0620	1732007SM	1	PLUG, Hole, 7/8 Dia.
0630	1737959YP	1	SWITCH, Ignition (Trombetta)(Without Key) -(Model Part #'s 2691103-00 & 2691104-00)
0630	7106169YP	1	SWITCH, IGNITION, DEL -(Model Part #2691104-01)
0650	1751941YP	1	HARNESS, Headlight, Led Lights
0690	1753240YP	1	PLUG, Starter Insert
0700	1734025SM	1	JUMPER, Wires & Connectors Assembly, 3"
1190	1751523YP	1	KEY, Ignition Switch - Trombetta, Blister Pack of 2, CE/CAN -(Not Illustrated)(Model Part #'s 2691103-00 & 2691104-00)

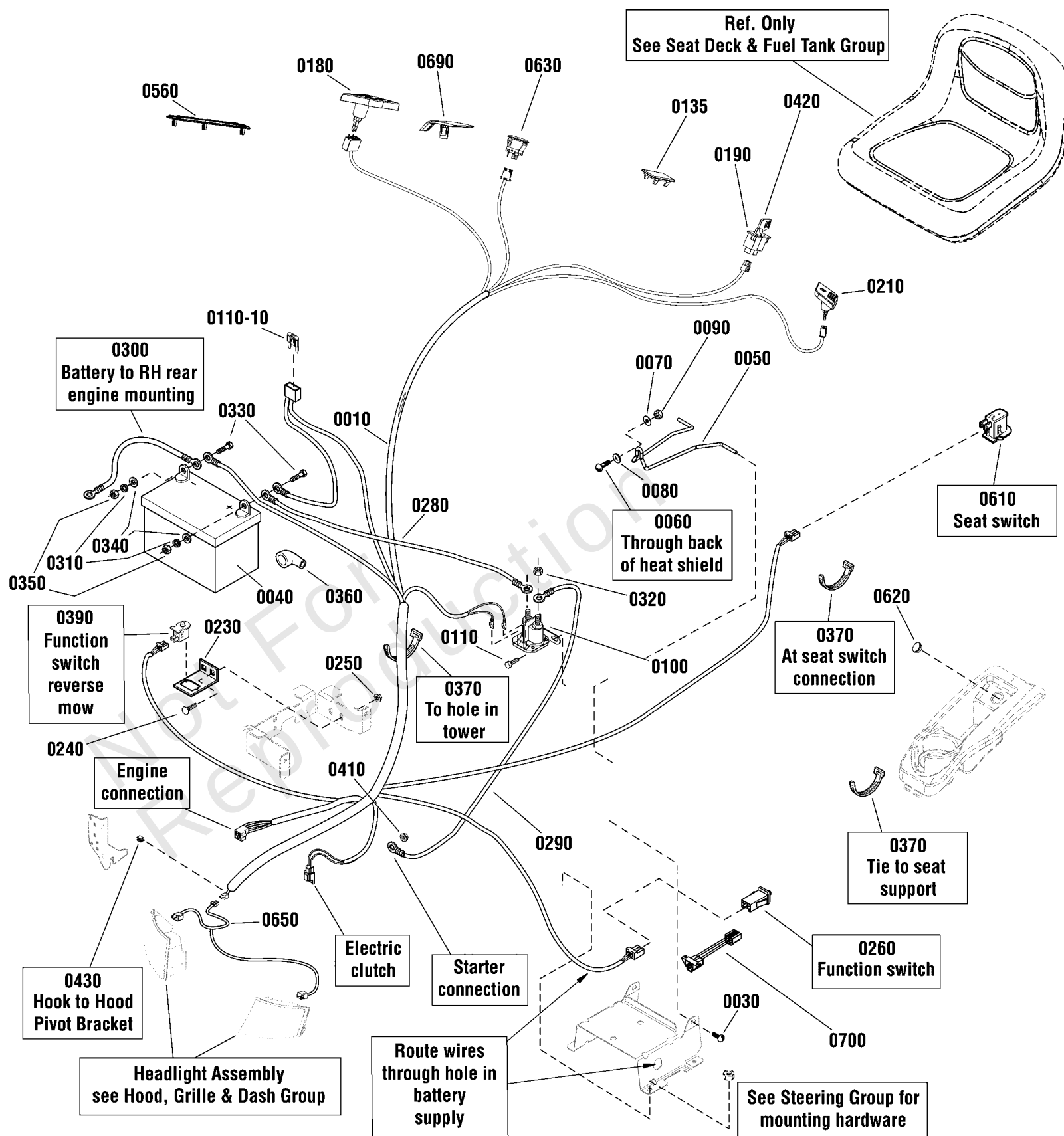
Footnotes:

Note* See your local hardware store for replacement fuses.

Electrical Group

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Mfg. No: 2691104-00



Electrical Group

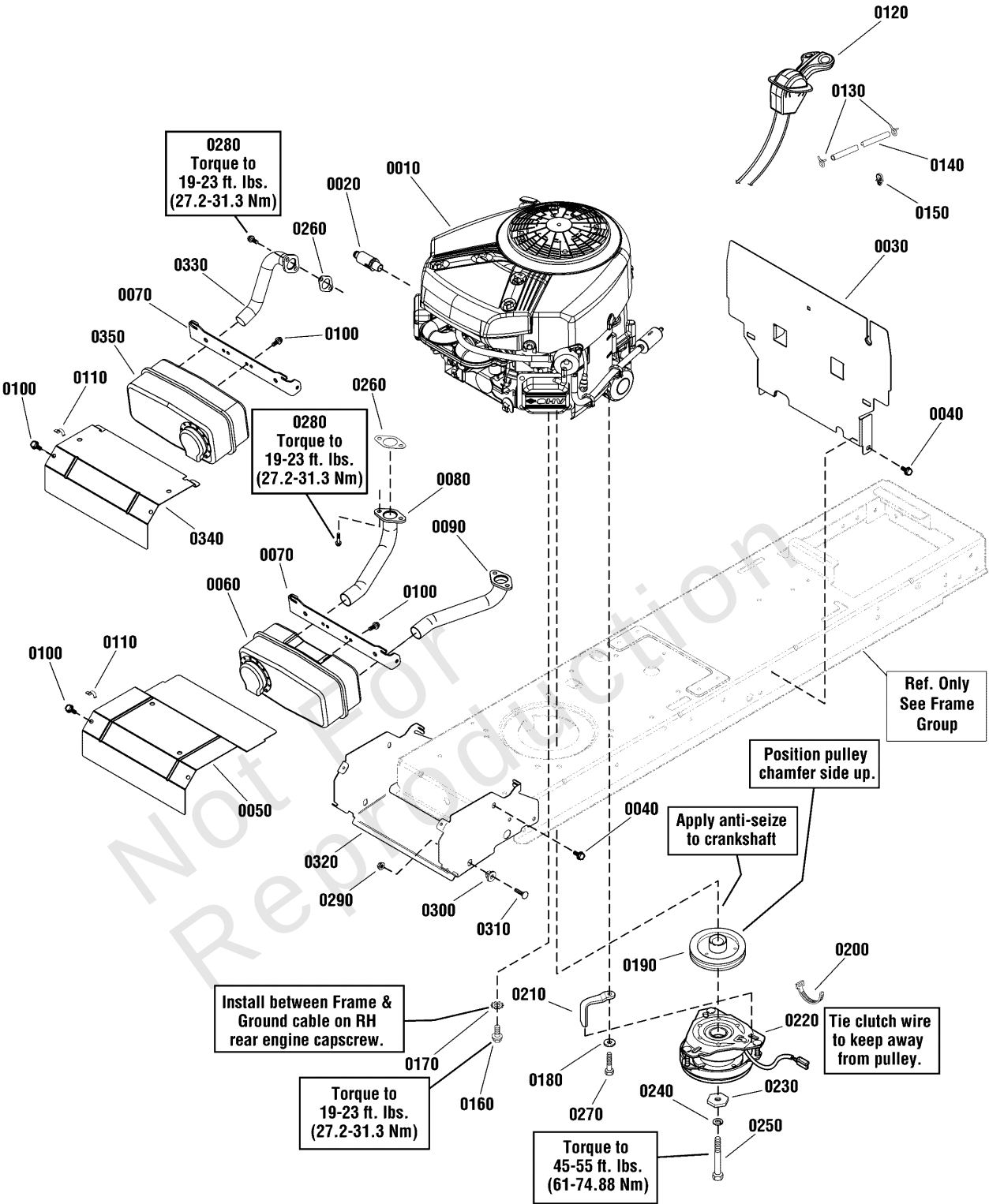
REF NO	PART NO	QTY	DESCRIPTION
1190	7106172YP	1	KEY, Ignition Switch - Pack of 2, CE/CAN -(Not Illustrated)(Model Part #2691104-01)

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Engine Group - 20 & 22HP Briggs & Stratton

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691104-00



Engine Group - 20 & 22HP Briggs & Stratton

REF NO	PART NO	QTY	DESCRIPTION
0010	331777-0119-B1	1	* ENGINE, 20 Gross HP Briggs & Stratton, Single Intek -(Model part #2691103-00)
0010	407777-3127-B1	1	* ENGINE, 22 Gross HP Briggs & Stratton Twin Intek -(Model part #2691104-00)
0010	40R877-0014-B1	1	* ENGINE, 22 Gross HP Briggs & Stratton Twin Intek -(Model part #2691104-01)
0020	1750159YP	1	VALVE, Drain
0030	1738380AYP	1	HEAT SHIELD, Engine
0040	1930601SM	8	CAPSCREW, Hex Washer Head, Taptite, 5/16-18 x 5/8
0050	1727997ASM	1	HEAT SHIELD, Engine, Twin
0060	1727994SM	1	MUFFLER, Briggs & Stratton Twin
0070	1727976BMYP	1	SUPPORT, Muffler
0080	1727979SM	1	PIPE, Exhaust, Flanged, R.H, 11/8 OD -(Twin)
0090	1727980SM	1	PIPE, Exhaust, Flanged, L.H, 11/8 OD -(Twin)
0100	B4300GS	4	SCREW, Hex Washer Head, Taptite, 1/4-20 x 1/2
0110	703176	1	CLIP, Wire
0120	1738794YP	1	CONTROL, Throttle (Choke-A-Matic)
0120	1750217YP	1	CONTROL, Throttle
0130	93053B	2	CLAMP, Hose
0140	1734993SM	1	HOSE, Fuel, 1/4 ID x 1/2 OD, 55" Long, Low Perm.
0150	1730268SM	1	CLIP, Hose, 1/2 Dia., Push In
0160	2827187SM	2	CAPSCREW, Hex Washer Head, Taptite, 3/8-16 x 1
0170	2820427SM	1	WASHER, Lock, External Tooth, 3/8
0180	1924940SM	1	WASHER, 3/8, .41 ID x .87 OD x .08 THK
0190	1732576SM	1	PULLEY & HUB ASSEMBLY, Engine
0200	1701011SM	1	TIE, Self Locking, 15" Long
0210	1737421AYP	1	GUIDE, Belt
0220	1736105SM	1	CLUTCH, ELECTRIC
0230	1708264SM	1	WASHER, HEX, 0.453ID
0240	1960769YP	2	WASHER, Belleville
0250	1960649SM	1	CAPSCREW, Hex Head, 7/16-20 X 3 1/2, G5
0260	1731214SM	1	GASKET, Exhaust -(Qty. 2 Used on Twin)
0270	2828635SM	2	SCREW-HEX WSHR HD TAP
0280	690341	2	SCREW -(Qty. 4 Used on Twin)
0290	703409	2	NUT, 5/16-18, GR5
0300	1728086SM	2	PIVOT, Hood, Powdered Metal
0310	1931335SM	2	BOLT, Carriage, Short Neck, 5/16-18 x 1
0320	1738265AYP	1	SUPPORT, Muffler & Hood Pivot
0330	1728959SM	1	PIPE, Exhaust, Flanged, 1-1/4 OD -(Single)
0340	1727996BMYP	1	SHIELD, Heat
0350	1727993SM	1	MUFFLER, Briggs & Stratton, Single

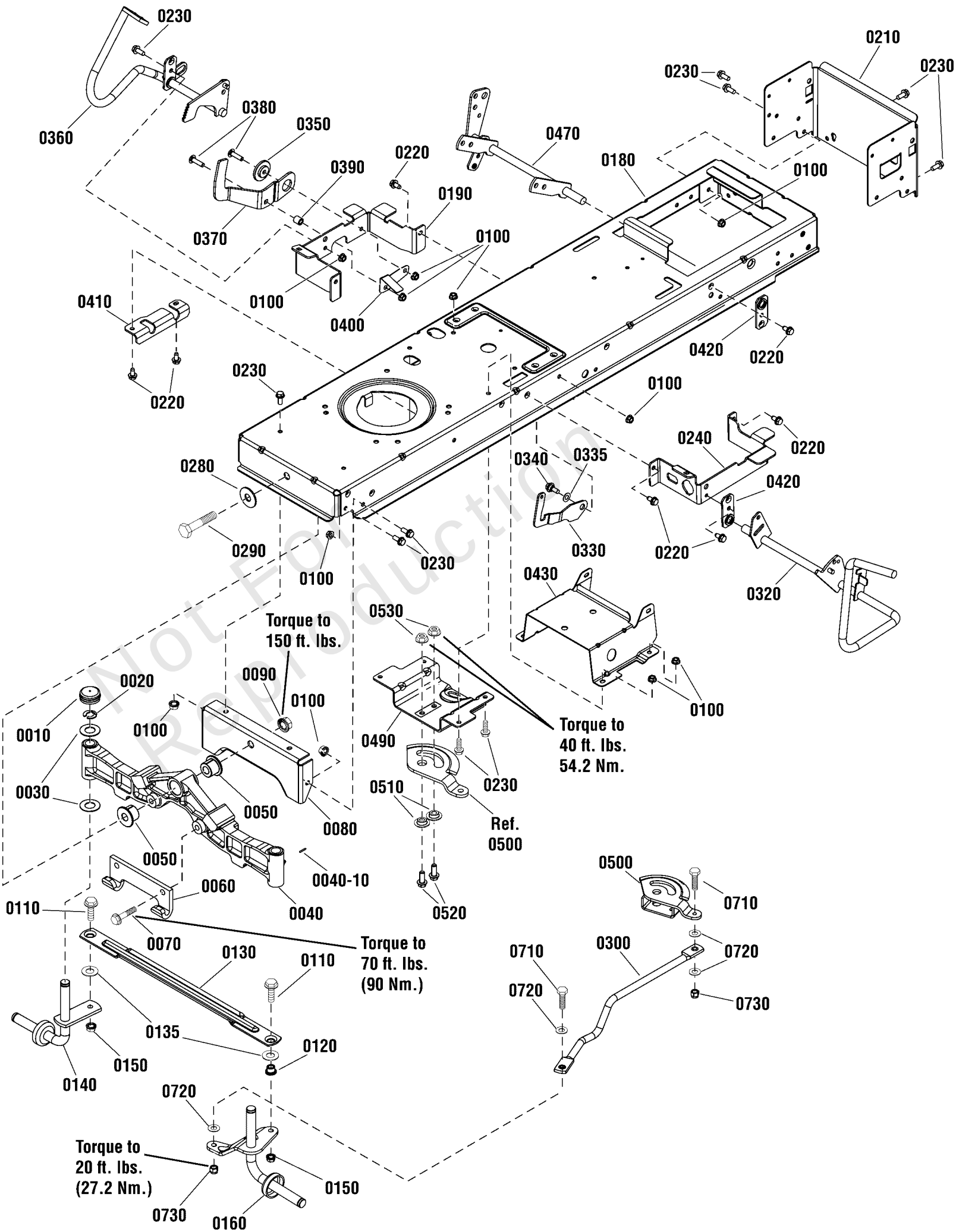
Footnotes:

Note* To verify your specific engine model, please reference the ID Tag located on your engine. See your local Briggs & Stratton distributor for parts and service.

Frame & Front Axle Group

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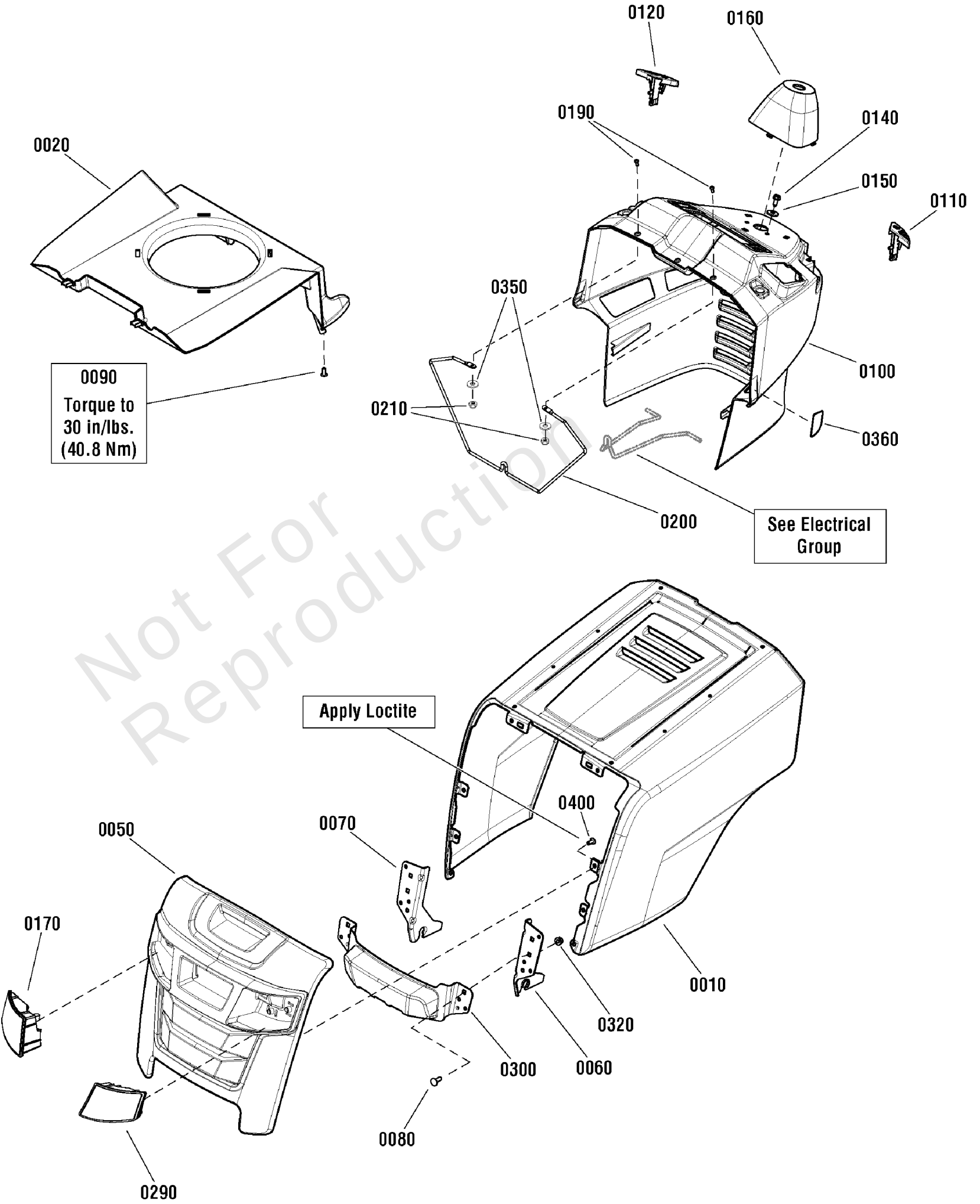


Frame & Front Axle Group

REF NO	PART NO	QTY	DESCRIPTION
0010	1734135SM	2	CAP, Hub
0020	1611710SM	2	RING, Klipring, For 3/4 Dia. Shaft
0030	2860183SM	4	WASHER, 828 x 1.62 x .0583
0040	1728018SM	1	AXLE, Front
0040-10	1704314SM	3	LUBE FITTING, .250 DR
0050	1730186SM	2	BUSHING, Axle Pivot
0060	1721918ASM	1	HOOK, Mower, Hitch
0070	1960652SM	2	SCREW, Hex Flange, Whiz Lock, 7/16-14 x 1-1/2
0080	1727902SM	1	PLATE, Axle Support
0090	2860646SM	1	NUT, Hex Flange, 5/8-11
0100	703409	20	NUT, 5/16-18, GR5
0110	1960032SM	2	SCREW, Hex Head, 3/8-16 x 1 1/4
0120	1731912SM	2	BUSHING
0130	1751964YP	1	TIE ROD
0135	1960703SM	1	WASHER, 5/8
0140	1727872ASM	1	SPINDLE AND CUP ASSEMBLY, Right
0150	1930645SM	2	NUT, Hex Flange, Two Way Lock, 3/8-16
0160	1751922YP	1	WHEEL SPINDLE ASSEMBLY, LH
0180	-----	1	FRAME -(Not a serviceable part)
0190	1727904SM	1	SUPPORT, Front Footrest, RH
0210	1758690YP		SUPPORT, Rear Frame -(Use on Rear Suspension Tractors)
0210	1750989YP	1	SUPPORT, Frame, Rear
0220	1930601SM	9	CAPSCREW, Hex Washer Head, Taptite, 5/16-18 x 5/8
0230	703354	17	SCREW, 5/16-18
0240	885536AYP	1	SUPPORT, Front Footrest L.H.
0280	1960035SM	1	WASHER-0.625(0.64IDX1
0290	2860744SM	1	CAPSCREW, Hex Head, 5/8-11 x 3 1/4
0300	1738051YP	1	LINK, Drag (with Bearing), 5/16
0320	1736404AYP	1	PEDAL ASSY, BRAKE
0330	1735595ASM	1	LATCH, Brake Lock
0335	7014296YP	1	WASHER, Shim
0340	1729576SM	1	BOLT, Shoulder, 5/16-18 x 15/32
0350	1727935SM	1	SPACER-PIVOT 0.330ID
0360	1736714AYP	1	FORWARD PEDAL ASSEMBLY
0370	1727246SM	1	PEDAL, Reverse
0380	1960223SM	2	BOLT-RD HD SH SQ NK 5
0390	1728024SM	2	SPACER, Foot Pedal
0400	1728025SM	1	ACTUATOR, RMO Switch
0410	1727909SM	1	BRACKET, Pedal Pivot
0420	1727911ASM	2	PLATE, Bearing
0430	1727282SM	1	SUPPORT, Battery
0470	1737957YP	1	LIFT SHAFT ASSEMBLY
0490	1727940SM	1	BRACKET, Sector Support
0500	1751110YP	1	GEAR, Steering
0510	1728122SM	2	SPACER, Sector Gear
0520	1934654SM	2	CAPSCREW, Hex Flange, Whiz Lock, 3/8-16 x 1
0530	1930645SM	2	NUT, Hex Flange, Two Way Lock, 3/8-16
0710	1921977SM	2	CAPSCREW, Hex Head, 5/16-18 x 1 1/4
0720	1919326SM	4	WASHER, 5/16
0730	1935048SM	2	NUT, Hex Flange, Two Way Lock, 5/16-18

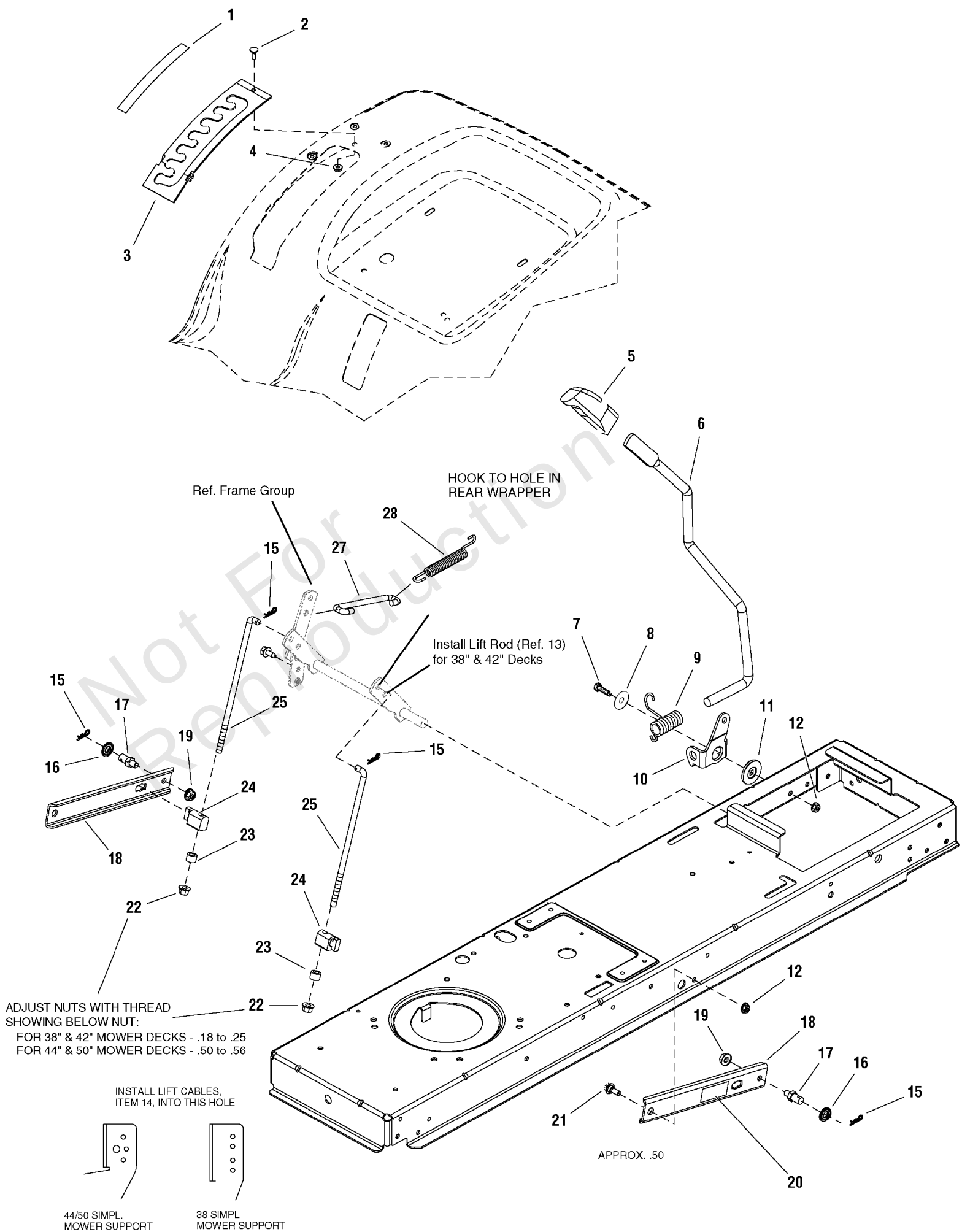
Hood, Grille & Dash Group

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Hood, Grille & Dash Group

REF NO	PART NO	QTY	DESCRIPTION
0010	1753164D	1	HOOD, One Piece, Center Emboss
0020	1738734	1	AIR DUCT
0050	1752929	1	GRILLE, Front
0060	1738566A	1	HINGE, Hood, LH
0070	1738565A	1	HINGE, Hood, RH
0080	7091714	2	BOLT, Carriage, 5/16 x 1, G5
0090	1739220	2	SCREW, 7mm x 16mm
0100	1753166	1	DASH, Nxt - Black
0110	1738789	1	KNOB, Parking Brake
0120	1738788	1	KNOB, Cruise
0140	1664847	2	SCREW, Hex Washer Head Taptite, 5/16-18 x 3/4
0150	1919381	2	WASHER, 5/16 x 1
0160	1738790	1	COVER, Steering Shaft
0170	1753167	1	HEADLIGHT, Led, LH
0190	1739942	2	SCREW, Pan Head Phillips, #10-24 x 7/8
0200	1738964	1	ROD, Dash Support, 1/4 Dia. x 10"
0210	1933896	2	NUT,Ny-Lock 10-24
0290	1753168	1	HEADLIGHT, Led, RH
0300	1753169BM	1	BUMPER, Front
0320	1960686	2	NUT, Hex Flange, 5/16-18, ESNA
0350	1960353	2	WASHER, 1/4 x 27/32 OD
0360	1753895	1	TRIM, Protective
0400	1754203	8	SCREW, 7mm Dia. x 16mm



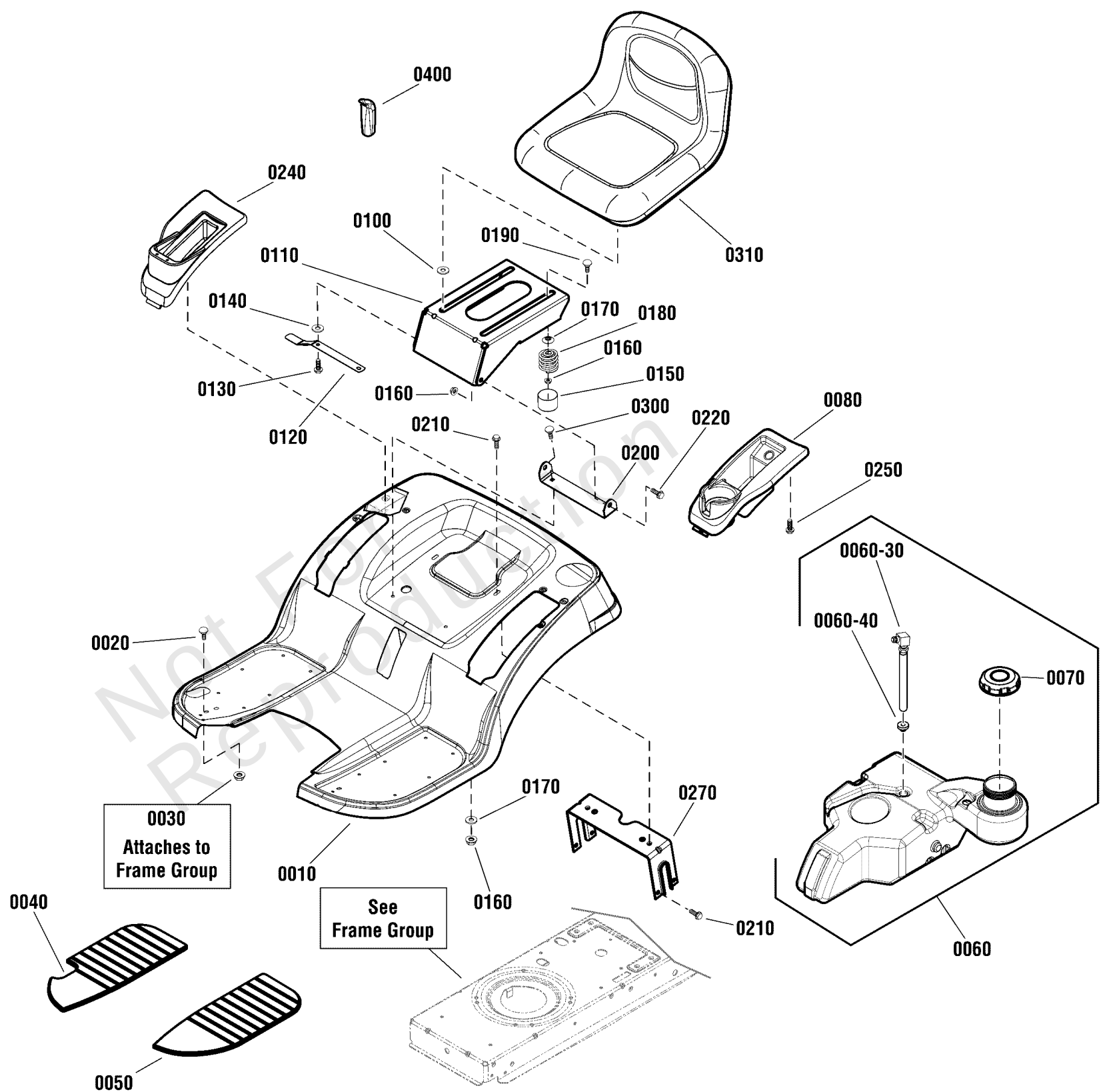
Lift Group - Manual

REF NO	PART NO	QTY	DESCRIPTION
1	1730264	1	DECAL, Height Of Cut
2	1960252	1	CARRIAGE BOLT, 1/4-20 x 5/8 G5
3	1727985A	1	QUADRANT, Lift Height 12GA
4	1930641	1	NUT, Hex Flange Whiz, 1/4-20
5	1722302	1	GRIP
6	1728070	1	ROD, Lift Handle E-Coat, 17.7 LG
7	1921333	1	CAPSCREW, Hex Head, 5/16-18 x 1
8	1960044	1	WASHER, Plain, 21/64 x 1-1/4
9	1729652	1	SPRING, Torsion, 2.12 LG Black
10	1728990A	1	CLEVIS, Lift 7GA
11	1727935	1	SPACER, Pivot 0.330ID 1.76OD .37TH Powdered Metal
12	1931277	3	NUT, Hex, Flange Whizlock, 5/16-18
15	1960074	4	CLIP, Spring
16	1960170	2	WASHER, 1/2
17	721221	2	PIN, Threaded Shoulder
18	1731417A	2	ARM, Lift Rear 10GA
19	1928352	2	NUT, Hex, Flange, Whizlock, 3/8-16
20	1732070	2	DECAL, CAUTION! Pinch Point
21	1732426	2	BOLT, Shoulder
22	1960687	2	NUT, Hex Flange, 3/8-16 ESNA
23	1666294	2	SPACER
24	1731894	2	TRUNNION, Powdered Metal
25	1727955	2	ROD, Lower Lift, 10.00 LG
27	1727954	1	ROD, Lift, 5.43 LG
28	1731939	1	SPRING, Extension 5.10 LG Black

Seat Deck & Fuel Tank Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691104-00



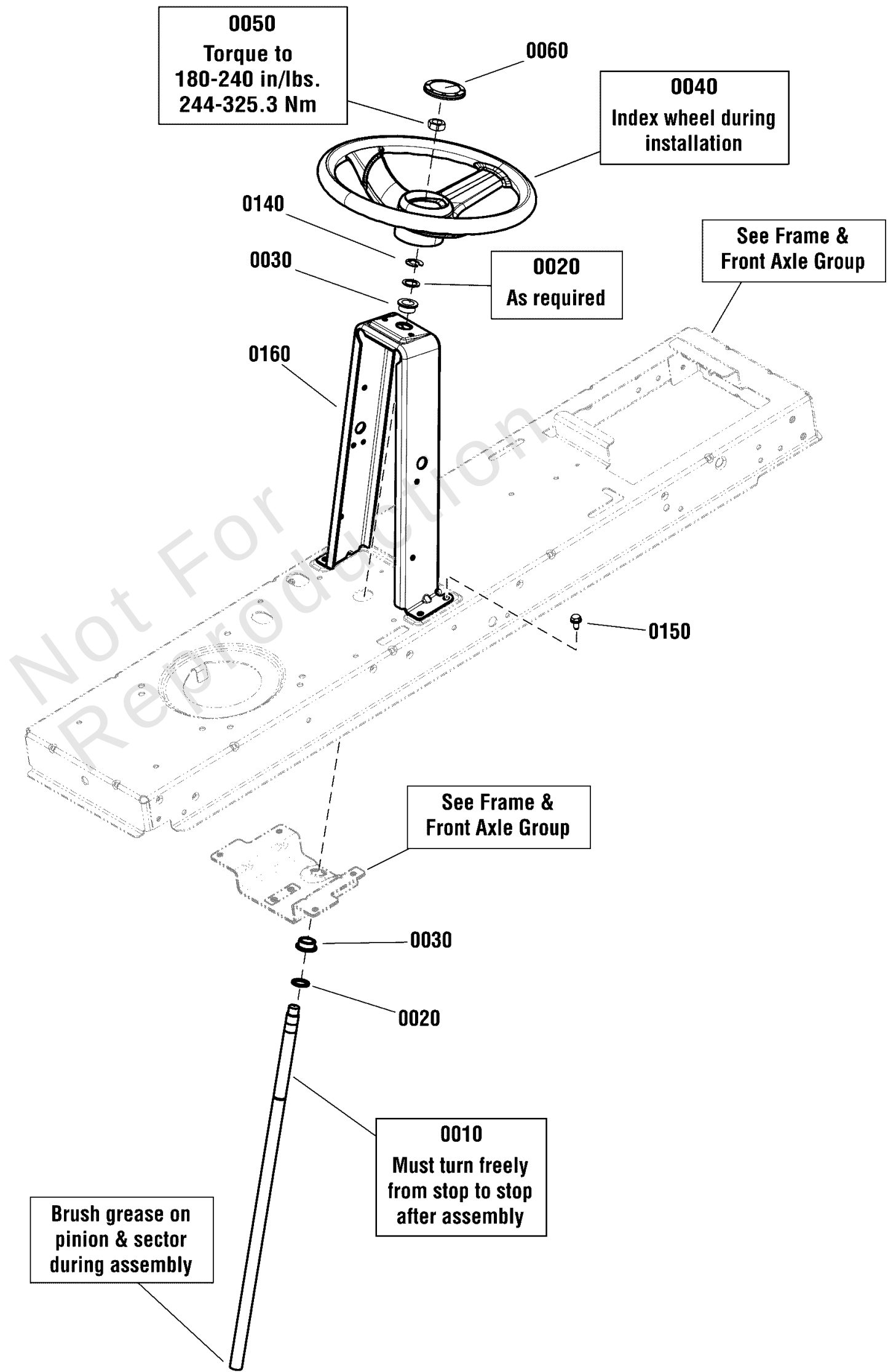
Seat Deck & Fuel Tank Group

REF NO	PART NO	QTY	DESCRIPTION
0010	1727264DSM	1	DECK, Seat, Regent
0020	703185	2	BOLT, Round Head, Short Square Neck
0030	703409	2	NUT, 5/16-18, GR5
0040	1728007SM	1	PAD, Footrest RH
0050	1728006SM	1	PAD, Footrest LH
0060	1738932YP	1	FUEL TANK
0060-30	1736609YP	1	FITTING & HOSE ASSEMBLY
0060-40	1654930SM	1	BUSHING, Fuel Tank
0070	5101651SM	1	CAP, FUEL, VENTED
0080	1739015YP	1	POD, LH
0100	1731300SM	4	SPACER, 1/40 OD
0110	1727265BMYP	1	SUPPORT, Seat
0120	1727268BMYP	1	LATCH, Seat
0130	1930595SM	4	SCREW, Hex Flange Wiz Lock, 5/16 x 1-1/4
0140	703298	4	WASHER, 5/16
0150	1704724SM	2	COVER, Spring 2 ldx 1-1/2
0160	703115	6	NUT
0170	1709256SM	4	WASHER, Spring, 5/16 x 1 1/4
0180	1704728SM	2	SPRING, Compression, 19/32 x 2
0190	703225	2	BOLT
0200	1727266ASM	1	PIVOT, Seat
0210	1930601SM	6	SCREW, Hex Washr Head Taptite, 5/16-18 x 5/8
0220	703851	2	BOLT, 5/16-18X1.15
0240	1739016YP	1	POD, RH
0250	1960536SM	6	SCREW, HEX WSHR HD PL
0270	1731310SM	1	SUPPORT, Seat Deck
0300	704065	2	BOLT, 5/16-18X.875
0310	1754213YP	1	SEAT, 15" Back
0400	1722302SM	1	GRIP

Steering Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691104-00



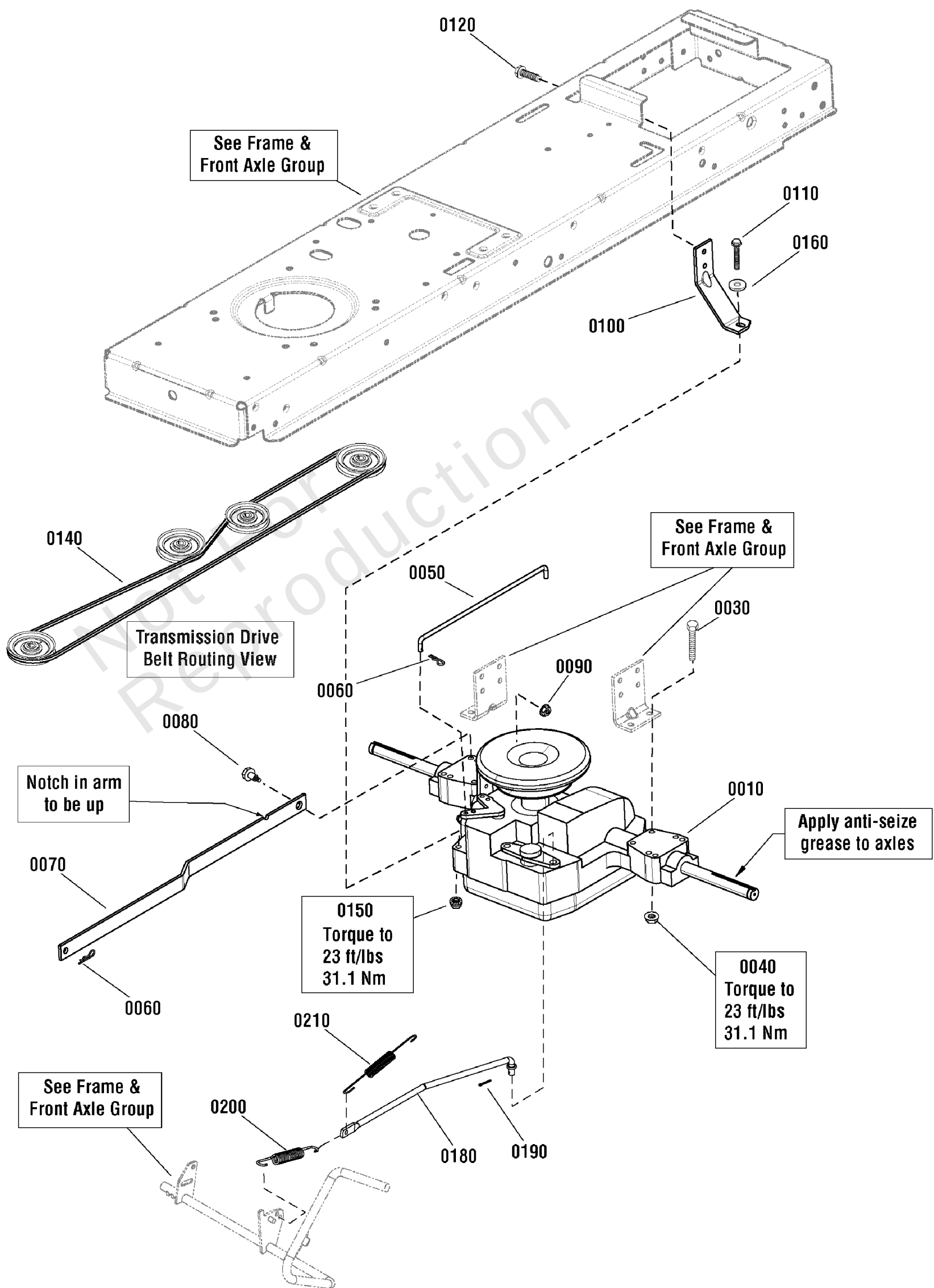
Steering Group

REF NO	PART NO	QTY	DESCRIPTION
0010	1727813SM	1	SHAFT, Steering Gear & Spline
0020	703151	2	WSHR
0030	1729665SM	2	BUSHING, Steering
0040	1728069SM	1	STEERING WHEEL, Aluminum Insert
0050	1960576SM	1	NUT, Hex Lock, ESNA Light, 5/8-18
0060	1725024SM	1	CAP, Steering Wheel
0140	1611710SM	1	RING, Klipring Extension
0150	1930601SM	4	CAPSCREW, Hex Washer Head, Taptite, 5/6-18 x 5/8
0160	885835BMYP	1	TOWER, RDLT

Transmission Group - Tuff Torq K46BL

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691104-00



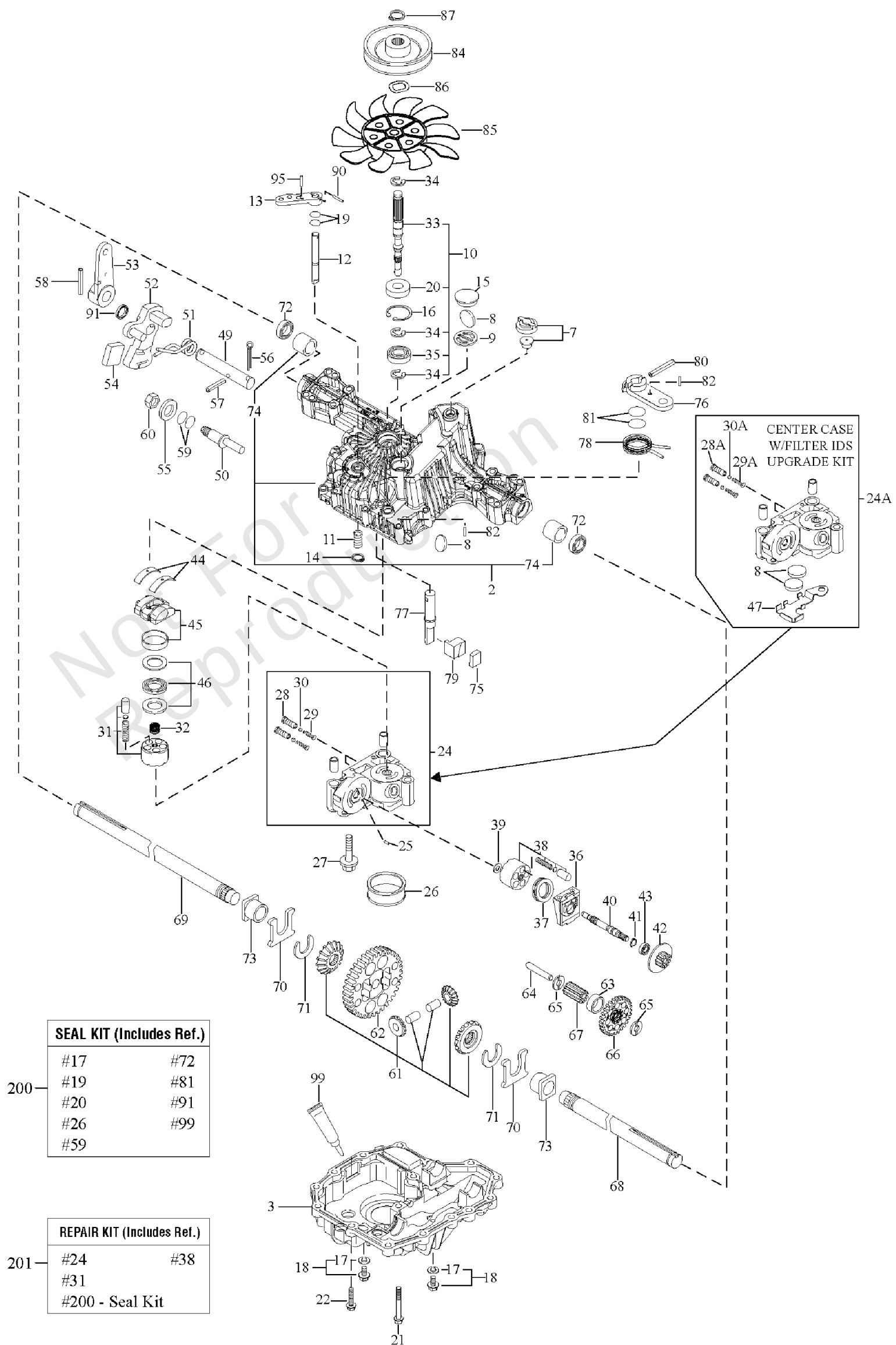
Transmission Group - Tuff Torq K46BL

REF NO	PART NO	QTY	DESCRIPTION
0010	1729589SM	1	TRANSMISSION ASSEMBLY, K46BL
0030	1960586SM	4	SCREW, Hex Flange Wiz Lock, 5/16-18 x 2-1/2
0040	703409	4	NUT, 5/16-18, GR5
0050	1728120SM	1	ROD, Bypass, 1/4 x 11 7/16
0060	1722460SM	2	PIN, Quick,1-3/16
0070	1727258SM	1	ARM, Control
0080	1732426SM	1	BOLT-SHLDR 5/16-18 0.
0090	1935048SM	1	NUT, Hex Flange Two Way Locking, 5/16-18
0100	1754842BMYP	1	STRAP, Torque
0110	1922127SM	1	SCREW, Hex Head Cap, 5/16-18 x 1 3/4
0120	703228	1	SCREW, 5/16-18 X .75
0140	1728008SM	1	V-BELT, HA, 89-1/4 Lg
0150	703115	1	NUT
0160	703298	1	WASHER, 5/16
0180	1727253SM	1	ROD, 3/8 Dia x 15-7/64 Lg
0190	703312	1	PIN, COTTER, 3/32X.75
0200	1731262SM	1	SPRING, Extension, 11/16 x 3-3/8
0210	1721995SM	1	SPRING, Extension, 5/8 x 6-5/8

Transmission SERVICE PARTS - Tuff Torq K46BL

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691104-00



Transmission SERVICE PARTS - Tuff Torq K46BL

REF NO	PART NO	QTY	DESCRIPTION
1	1729589		* TRANSMISSION, Tuff Torq K46BL
2	-----		KIT, Upper Case
3	-----		LOWER CASE
7	1718052		VENT VALVE 15
8	1724279		MAGNET
9	-----		*MAGNET HOLDER
10	-----		*KIT, Pump Shaft/Bearing
11	-----		*SPRING 25
12	1724281		BYPASS SHAFT A
13	1720418		LEVER, Bypass
14	1718061		RING, Snap, 10
15	1724282		SEALING CAP 30
16	1708650		RING, Snap, C 35
17	1724323		SEAL WASHER 8
18	-----		KIT, Drain Bolt
19	1708691		O-RING, 1A P10A
20	1708651		SEAL TC 153507
21	-----		*SCREW, Tapping, 8 * 55
22	1707789		SCREW, Tapping, 8 * 30
24	-----		*CENTER CASE K W/ 1.2 FILTER IDS KIT
25	1718070		PIN 3 * 9.8
26	-----		FILTER 105
27	1720805		BOLT, 10 * 75
28	-----		*IDS VALVE 1.2
29	-----		*IDS SPRING
30	-----		*IDS FILTER 300
31	-----		*KIT, Cylinder Block (Pump)
32	-----		*SPRING
33	1739892		PUMP SHAFT
34	1718076		E-RING 15
35	1708673		BEARING, 6202C3
36	1718077		MOTOR HOUSING
37	-----		*THRUST BEARING 51106
38	1718079		KIT, Cylinder Block
39	1718084		WASHER, 12 * 24 * 1
40	1724943		MOTOR SHAFT
41	1708672		RING, Snap, S15
42	1724944		BRAKE DISC/MOTOR GEAR (10T)
43	-----		*BEARING, 6202 RSR C3
44	1718089		THRUST METAL
45	-----		*SWASH PLATE CMP
46	1718086		THRUST BEARING K81105
49	-----		*CONTROL SHAFT
50	-----		*FULCRUM
51	-----		*SPRING, Torsion
52	-----		*CONTROL ARM A
53	1724347		CONTROL LEVER C
54	-----		*JERKY PLATE

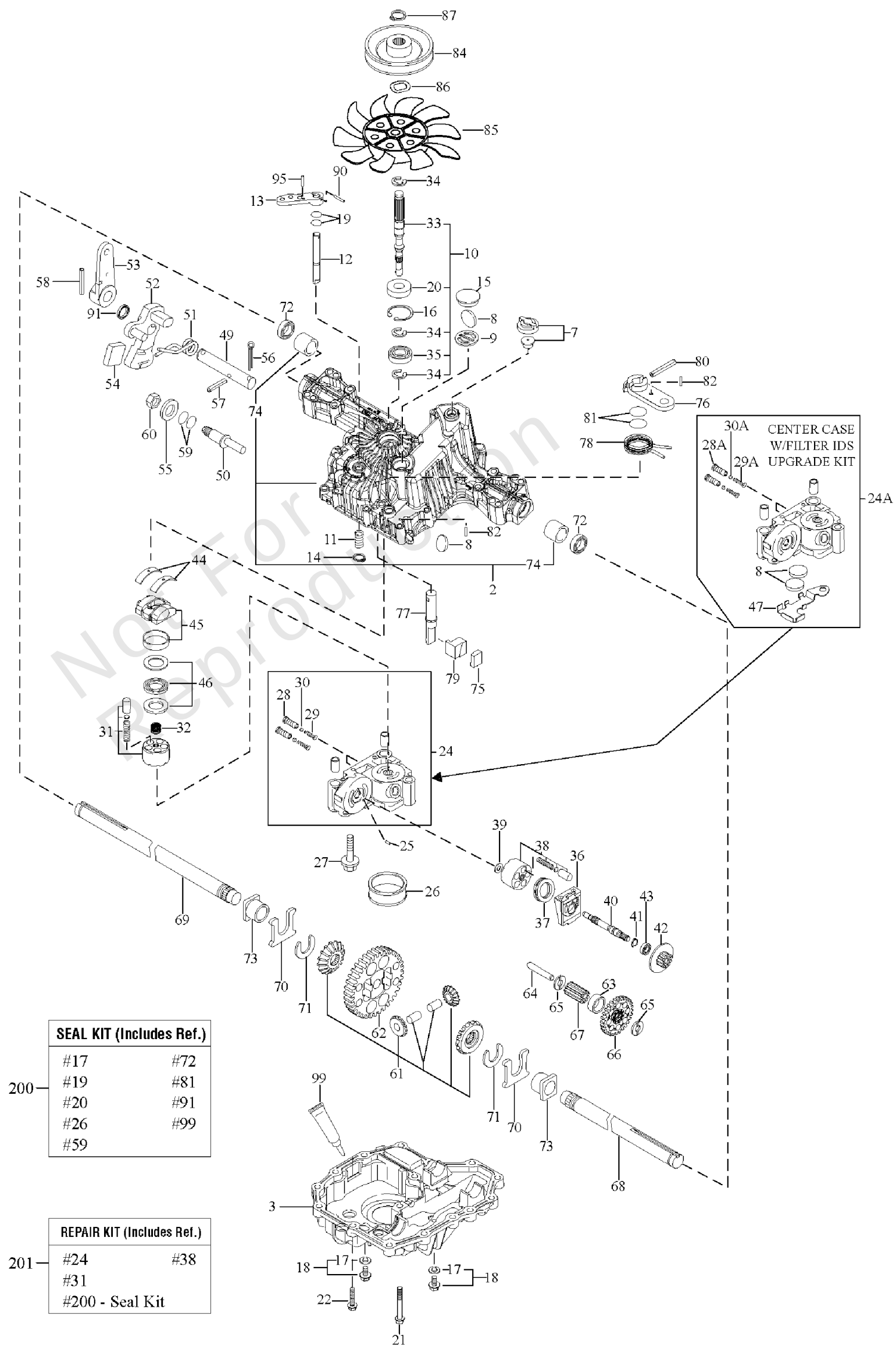
Footnotes:

*Note: See your local authorized dealership for Tuff Torq parts and warranty or contact Tuff Torq at www.tufftorqservices.com (U.S. 1-866-572-3441; Int'l 01-423-585-1977)

Transmission SERVICE PARTS - Tuff Torq K46BL

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691104-00



SEAL KIT (Includes Ref.)	
#17	#72
#19	#81
#20	#91
#26	#99
#59	

REPAIR KIT (Includes Ref.)	
#24	#38
#31	
#200 - Seal Kit	

Transmission SERVICE PARTS - Tuff Torq K46BL

REF NO	PART NO	QTY	DESCRIPTION
55	1708689		WASHER, 12
56	1724349		COTTER PIN, 1/8 * 3/4
57	1724296		SPRING PIN 6 * 36
58	1718100		ROLL PIN 6 * 40
59	1707879		O-RING 1A P14
60	1708692		NUT 12
61	-----		*KIT, Diff Gear
62	-----		*FINAL GEAR (54T)
63	-----		*FINAL PINION COLLAR
64	-----		*REDUCTION SHAFT
65	1724948		WASHER, 12 * 32 * 3.2
66	1724949		REDUCTION GEAR (38T)
67	-----		*FINAL PINION GEAR (10T)
68	1724303		AXLE SHAFT, Left
69	1724304		AXLE SHAFT, Right
70	1718112		THRUST WASHER
71	1718113		RING 17
72	1718111		SEAL 19 * 32 * 8
73	1718110		BUSHING, 19 * 25
74	-----		*BUSHING, 19.05
75	1724305		BRAKE SHOE
76	1724306		BRAKE LEVER
77	-----		*BRAKE SHAFT
78	-----		*SPRING, Brake Return
79	1724309		BRAKE ACTUATOR
80	1724310		SPRING PIN 5 * 32
81	1708690		O-RING 1A P12
82	1724311		SPRING PIN 4 * 16
84	1732918		PULLEY D
85	1724314		FAN, White
86	1724315		WASHER, Wave
87	1724316		RING, Snap
90	-----		*SPRING PIN 3.0A * 20
91	1724318		OIL SEAL 16 * 22 * .03
95	-----		*SPRING PIN 3.0A * 16
99	-----		*SEALANT
200	1727541		K46 & T40 SEAL KIT (ALL MODELS)
201	-----		*REPAIR KIT K46

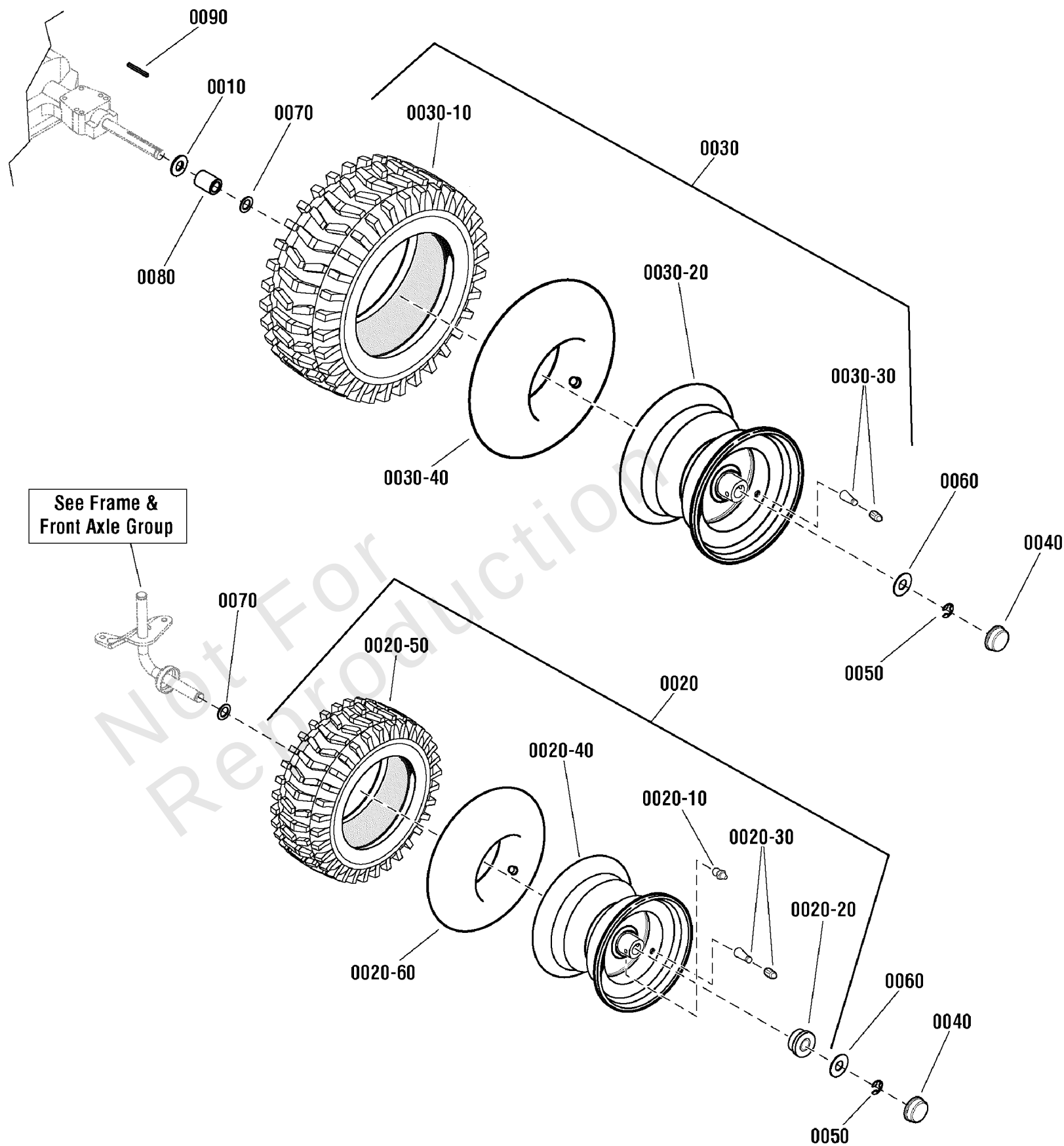
Footnotes:

*Note: See your local authorized dealership for Tuff Torq parts and warranty or contact Tuff Torq at www.tufftorqservices.com (U.S. 1-866-572-3441; Int'l 01-423-585-1977)

Wheels & Tires Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691104-00



Wheels & Tires Group

REF NO	PART NO	QTY	DESCRIPTION
0010	2860202SM	2	WASHER, 3/4 x 1-5/8 OD x 1/8 Thick
0020	1729708SM	2	WHEEL & TIRE ASSEMBLY, Front
0020-10	2812808SM	1	FITTING, Lube, 1/4
0020-20	1752171YP	2	BEARING, Flange
0020-30	2172353SM	1	VALVE STEM & CAP, Air .453 Dia 0.88 Long
0020-40	-----	1	WHEEL & Bearing ASSEMBLY, Front
0020-50	1731951SM	1	TIRE, 15 x 6 - 6, Turf Rider
0020-60	1664090	2	TUBE
0030	7101560YP	2	ASSY, WHEEL & TIRE
0030	1732324SM	2	WHEEL AND TIRE ASSEMBLY, Rear, 22 x 10 - 8
0030-10	7101559YP	2	TIRE, 20 x 8-8, K358
0030-10	1732394SM	2	TIRE, 22 x 10-8, 2 Ply K358
0030-20	-----	2	RIM
0030-30	2172353SM	2	VALVE STEM & CAP, Air .453 Dia 0.88 Long
0030-40	2164247SM	2	TUBE -(Use on 20" Tires)
0030-40	2173477SM	2	TUBE -(Use on 22" Tires)
0040	094618MA	4	HUB CAP
0050	0011X3MA	4	RING, E .750D .050T
0060	17X195MA	4	WASHER, .765 ID, 1.8 OD, .0598 Thk, Flat ZP
0070	17X160MA	4	WASHER, Flat, 3/4 x 1-1/4 x 16
0080	1730181SM	2	SPACER, 3/4 ID x 1-1/4 OD x 1.65
0090	021553MA	2	KEY, Square, 3/16

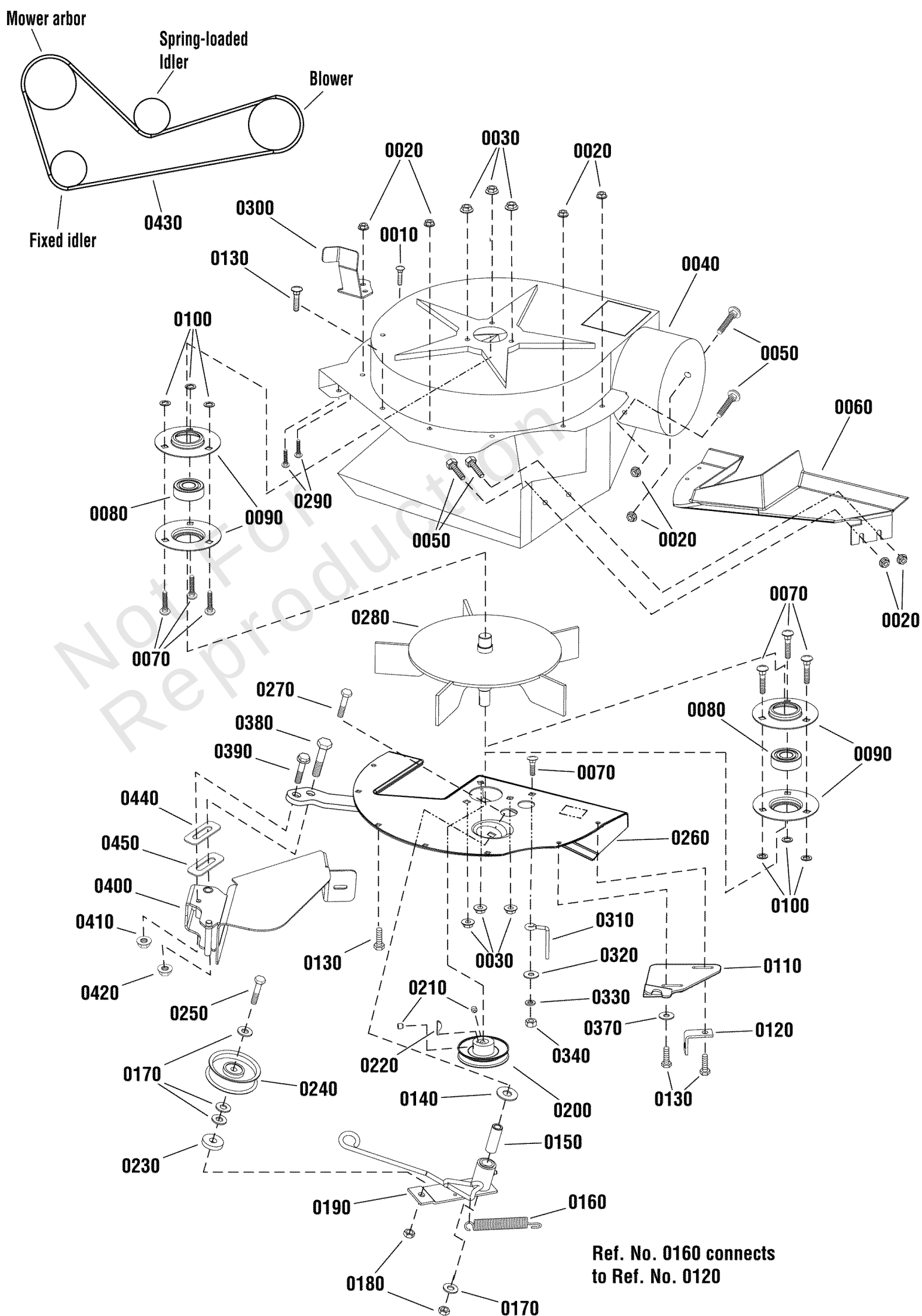
Footnotes:

Note* Not a serviceable part, service wheel complete

Turbo, Housing

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691104-00



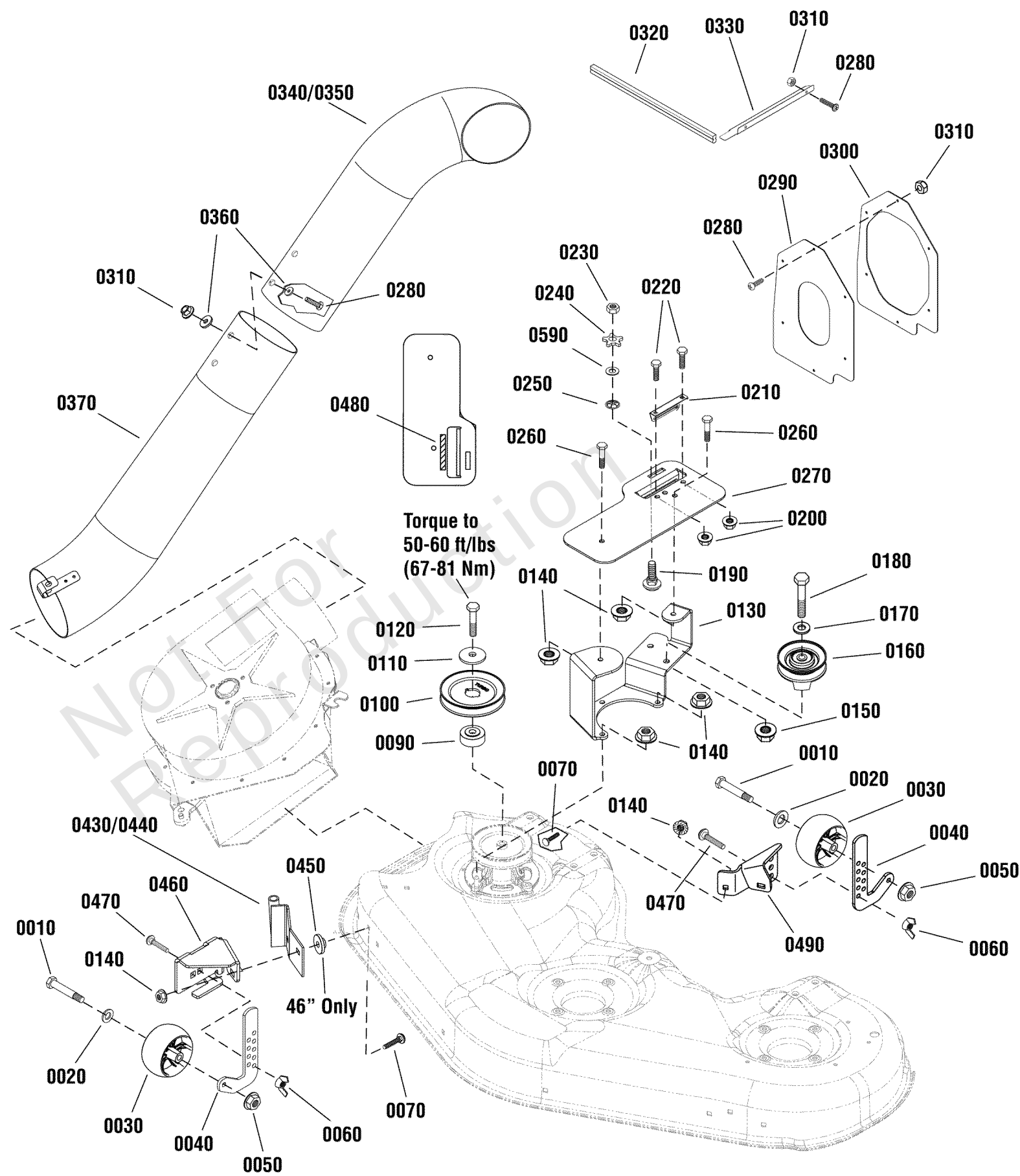
Turbo, Housing

REF NO	PART NO	QTY	DESCRIPTION
0010	1925003	1	SCREW-HEX WSHR HD TAPTT 1/4-20X0.500 BLK
0020	1930641	10	NUT, Hex Flange, Whiz Lock Large, 1/4-20
0030	1927557	6	NUT, Hex Whiz Lock Flange, 5/16-18, Large, Black
0040	1724441A	1	HOUSING FAN ASSEMBLY
0050	1931317	4	BOLT, 1/4-20 x 2" Round Head Short Square Neck, GR5, Black
0060	1705267	1	PLATE-COVER, BLACK POLY FOR LTH MDVS
0070	1931333	7	BOLT, Carriage, 5/16-18 x 3/4
0080	2108202	2	BEARING-BALL 0.750ID 1.780OD 0.610LG
0090	1665982A	4	RETAINER, Bearing
0100	1933988	6	NUT, Push, 5/16
0110	1738000A	1	LATCH, Turbo
0120	1668500	1	ANCHOR, Spring
0130	1924009	6	CAPSCREW, Hex Head, 1/4 - 20 x 7/8
0140	1924361	1	WASHER, Plain, 17/32 x 1-1/4 x 5/64
0150	1676833	1	SPACER, 3/8 ID x 5/8 OD x 1-3/4 Long
0160	1716853	1	SPRING, Tension
0170	1924940	4	Flatwasher, 3/8
0180	1960251	2	NUT, Hex Center Lock Jam, 3/8 - 16
0190	1706284A	1	LEVER ASSEMBLY, Turbo
0200	1736092	1	PULLEY, 2-3/4" Diam., For 4L Belt
0210	1960619	2	SETSCREW, Hex, Socket Head, 5/16-18 x 5/16
0220	2860403	1	KEY, Woodruff, Modified
0230	1933263	1	WASHER, Flat, 7/16 x 1-1/4 OD
0240	2154534	1	IDLER PULLEY ASSEMBLY, 2-3/4 OD
0250	720192	1	CAPSCREW, Hex Head, 3/8-16X1-1/2
0260	1738101A	1	PLATE ASSEMBLY
0270	1931355	1	BOLT, Carriage, 3/8-16 x 2-1/4
0280	1706631A	1	FAN ASSEMBLY, Five Paddle
0290	1960728	2	CAPSCREW, Washer Head, Plastite, 1/4-18 x 5/8
0300	1738166A	1	BRACKET, Deflector, Prop, Turbo
0310	1678435	1	BELT STOP, (Height Indicator)
0320	1924874	1	WASHER, 5/16 Flat (.341 I.D. x .87 O.D. X .06 Thick) Black
0330	1917356	1	Lockwasher, 5/16
0340	1917372	1	NUT, Hex, 5/16-18
0370	1919381	1	WASHER-0.312(0.34IDX1.00ODX.13THK)BLK
0380	23316	1	CAPSCREW, Hex Head, 1/2 -13 x 4
0390	2860709	1	CAPSCREW, Hex Flange, Whiz Lock, 3/8-16 x 1-3/4
0400	1737994A	1	CHUTE ASSEMBLY, Turbo
0410	7091619	1	NUT, 3/8-16 Hex Flange lock, YZ
0420	1960379	1	NUT, Hex Lock, ESNA Light, 1/2-13
0430	1736554	1	V-BELT, Cog, 39.62
0440	1751304A	1	SHIM. Thick
0450	1751305A	1	SHIM, Thin

Turbo, Mounting

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691104-00



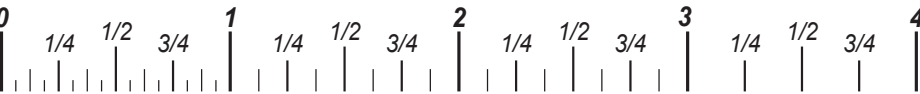
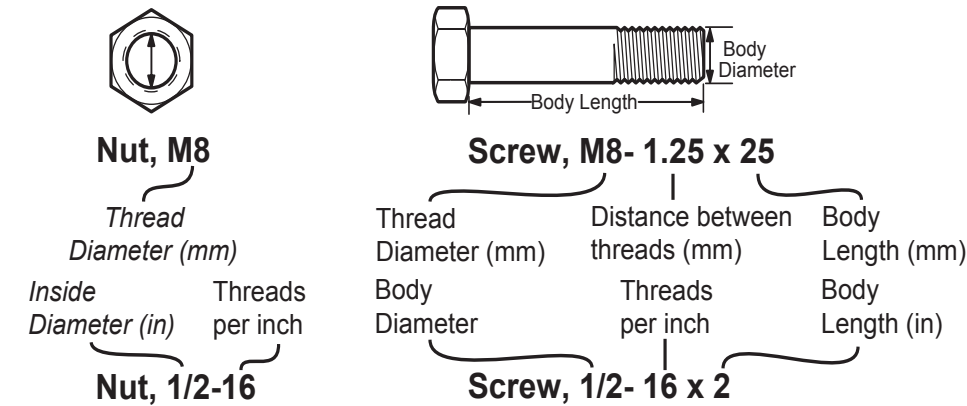
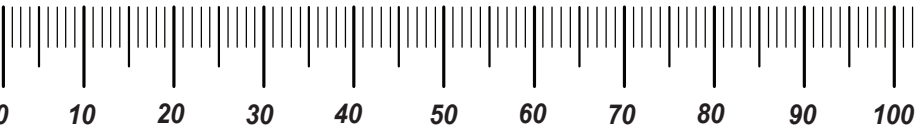
Turbo, Mounting

REF NO	PART NO	QTY	DESCRIPTION
0010	1736539YP	2	BOLT, SHOULDER
0020	1960170	2	Flatwasher, 1/2
0030	1736896YP	2	WHEEL, GAUGE
0040	1739472A	2	BRACKET, Wheel Adjustable
0050	1960687	2	NUT, Hex Lock Flange, 5/16 - 18 ESNA
0060	7091049	2	WINGNUT, 3/8-16 w/Nylon Ring
0070	1960223	4	BOLT, 5/16-18 x 1-1/4" Round Head Short Square Neck GR5, Black
0090	1738102	1	SPACER, Pulley
0100	1713090	1	PULLEY, 3 x 3/4 OD
0110	1656916	1	WASHER, .475 ID x 1.75 OD x .156 Thick Spring, Black
0120	1921212	1	CAPSCREW, Hex-Head, 7/16-14 x 1-1/2
0130	1737989A	1	BRACKET, Belt Cover
0140	1931277	8	NUT, Hex Flange Whiz Lock, 5/16-18 all Black
0150	1931211	1	NUT, Hex Flange Whiz Lock, 3/8-16, Small
0160	1721134	1	PULLEY, 3" OD x .378" ID x .75" WD, w/Bearing
0170	1924940	1	Flatwasher, 3/8
0180	7091305	1	SCREW, 3/8-16 x 2" Hex Head Cap, GR 5
0190	1931338	1	BOLT, 5/16-18 x 1-3/4" Round Head Short Square Neck, GR 5
0200	725891	2	NUT, Hex Flange, 1/4 - 20
0210	1739486A	1	BRACKET, Height of Cut
0220	7090005	2	BOLT, 1/4-20 x 1/2" Short Neck Carriage GR 5
0230	7091298	1	NUT, 5/16-18 Hex Lock, ESNA, YZ
0240	1733098	1	KNOB, Plastic, 5/16-18
0250	720376	1	NUT, Push, For 1/4 Stud
0260	7090316	1	BOLT, Carriage, Short Neck, 5/16c x 3/4
0270	1738143A	1	COVER, Belt
0280	1960404	9	SCREW, Truss Head Phillips, #10-24 x 3/4 Black
0290	1733741	1	SEAL, Cover, Nylon
0300	1732735A	1	FLANGE, Seal 14 GA
0310	1933896	9	NUT, Hex Lock, 10-24 with Nylon Insert NC3B Black
0320	1733579	1	EDGING, Rubber, thick
0330	1733580A	1	PLATE, Deflector
0340	1738160	1	TUBE, Upper, Turbo"
0350	1732800	1	TUBE, Upper, Turbo"
0360	1910531	1	WASHER
0370	1719719	1	ASSEMBLY, Tube & Clip, Lower
0430	1737997A	1	ASSEMBLY, Mount, Turbo Blower
0440	1739438A	1	ASSEMBLY, Mount, Turbo Blower
0450	1723244	2	SPACER, HYDRAULIC LIFT PIVOT -46" Decks only
0460	1739471A	1	BRACKET, Gauge Wheel
0470	1931350	2	BOLT, RD HD SH SQ NK 3/8- 16X1.000 G5 BL
0480	1737541	1	DECAL, Height of Cut
0490	1739787A	1	BRACKET, Gauge Wheel
0590	1919381	1	WASHER-0.312(0.34IDX1.00ODX.13THK)BLK

Hardware Identification & Torque Specifications

Torque Specification Chart								
FOR STANDARD METRIC MACHINE HARDWARE (Tolerance ± 20%)								
Property Class	 Class 5.6		 Class 8.8		 Class 10.9		 Class 12.9	
Size Of Hardware	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
M3	5.88	.56	13.44	1.28	19.2	1.80	22.92	2.15
M4	13.44	1.28	30.72	2.90	43.44	4.10	52.56	4.95
M5	26.4	2.50	60.96	5.75	5.97	8.10	7.15	9.7
M6	44.64	4.3	7.3	9.9	10.3	14	12.1	16.5
M7	5.2	7.1	12.1	16.5	16.9	23	19.9	27
M8	7.7	10.5	17.7	24	25	34	29	40
M10	15	21	35	48	50	67	59	81
M12	26	36	61	83	86.2	117	103	140
M14	42	58	101	132	136	185	162	220
M16	64	88	147	200	210	285	250	340
M18	89	121	202	275	287	390	346	470
M20	126	171	290	390	405	550	486	660
M22	169	230	390	530	559	745	656	890
M24	217	295	497	375	708	960	840	1140
M27	320	435	733	995	1032	1400	1239	1680
M30	435	590	995	1350	1401	1900	1681	2280
M33	590	800	1349	1830	1902	2580	2278	3090
M36	759	1030	1740	2360	2441	3310	2935	3980
M39	988	1340	2249	3050	3163	4290	3798	5150

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



Standard Hardware Sizing

When a washer or nut is identified as 1/2" (M8), this is the *Nominal size*, meaning the *inside diameter* is 1/2 inch (8mm metric thread diameter); if a second number is present it represents the *threads per inch* (distance between threads).

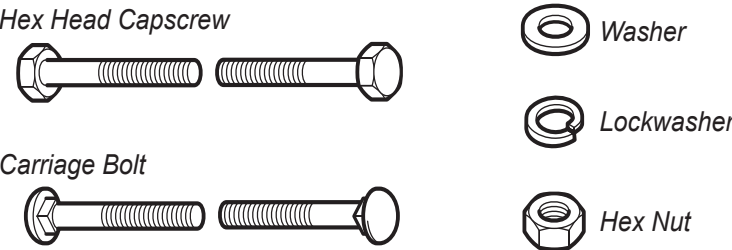
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw, 2 inches (50mm).

Torque Specification Chart						
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)						
Hardware Grade	 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	29	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.

Common Hardware Types



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"
M6 Bolt or Nut Wrench—10mm	M8 Bolt or Nut Wrench—13mm	M10 Bolt or Nut Wrench—17mm	M12 Bolt or Nut Wrench—19mm	M14 Bolt or Nut Wrench—22mm

