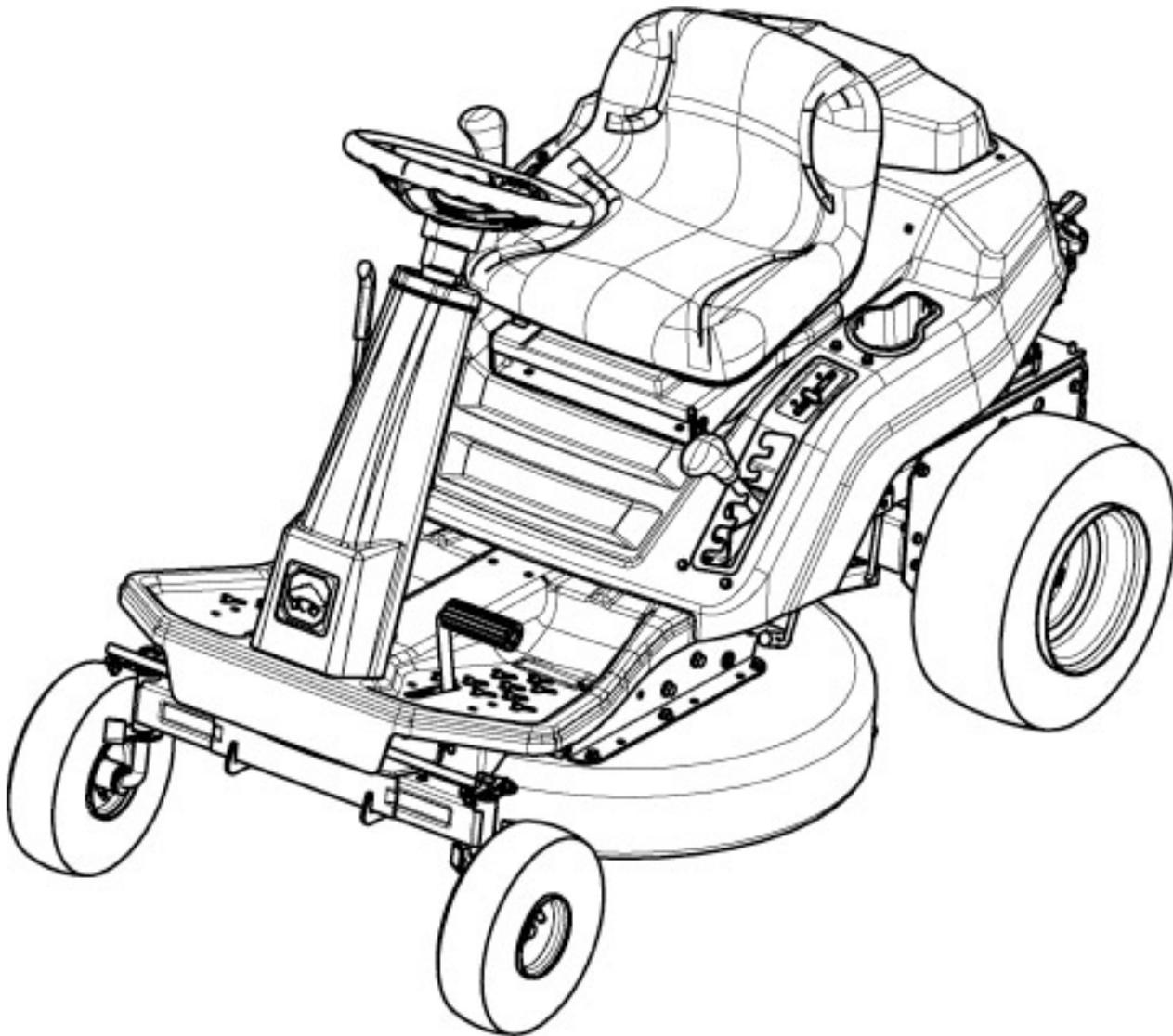




Parts Manual

Mfg. No: 7800950-02
RE110, 28" 11.5 Gross TP Disc Drive
Rear Engine Rider RE Series



1692125 - Cart, Dump (10 Cu. Ft.).....
7600199 - Grass Catcher, Single.....
7600192 - Grass Catcher, Twin.....
1696324 - Cover, Tractor.....
7600071 - Cover, Tractor.....
7600197YP - Headlight Kit.....
7104196BZYP - High Lift Blade, 28".....

Not For
Reproduction

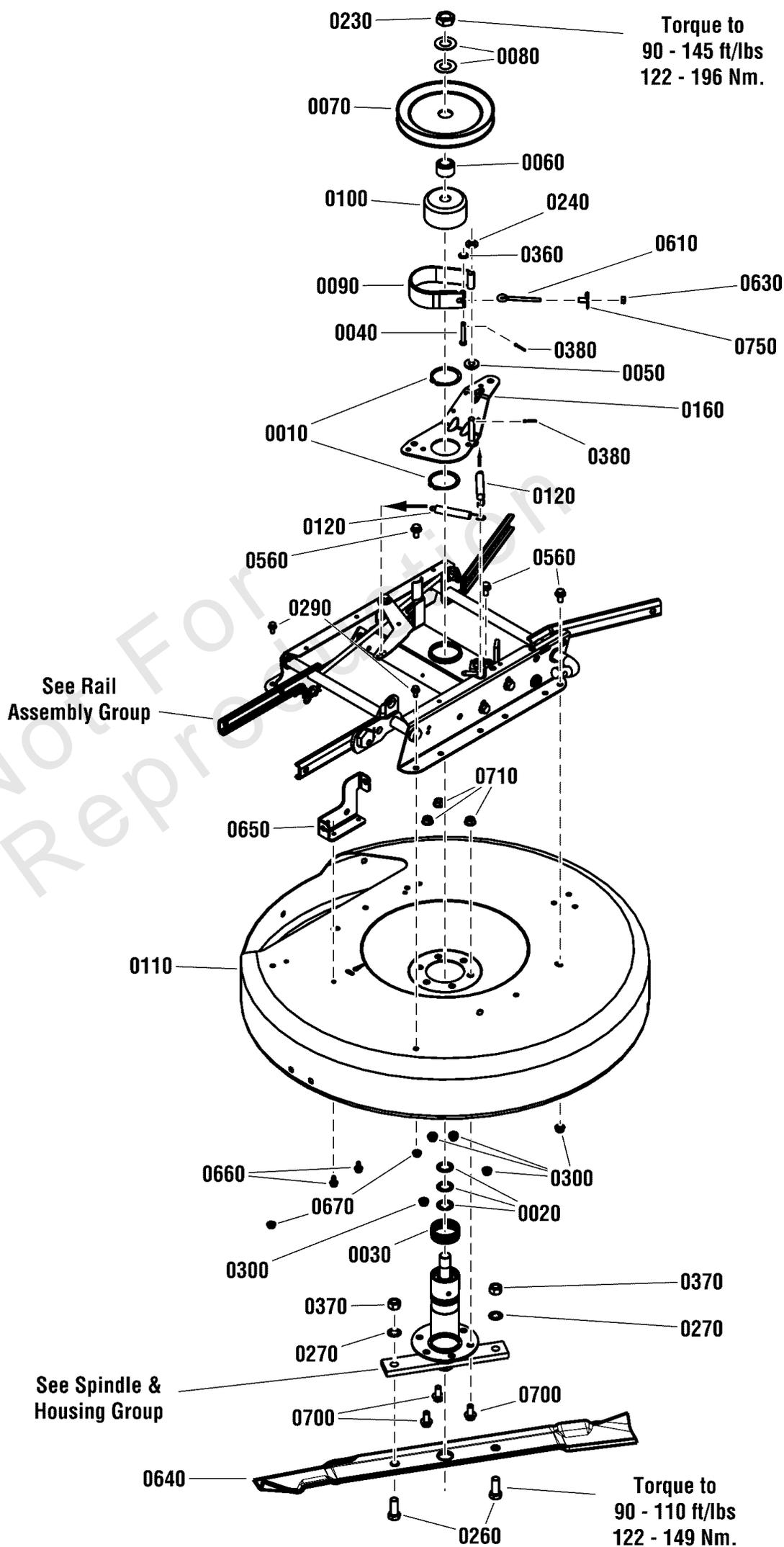
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28" Deck Assembly, RER Mulcher

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 7800950-02



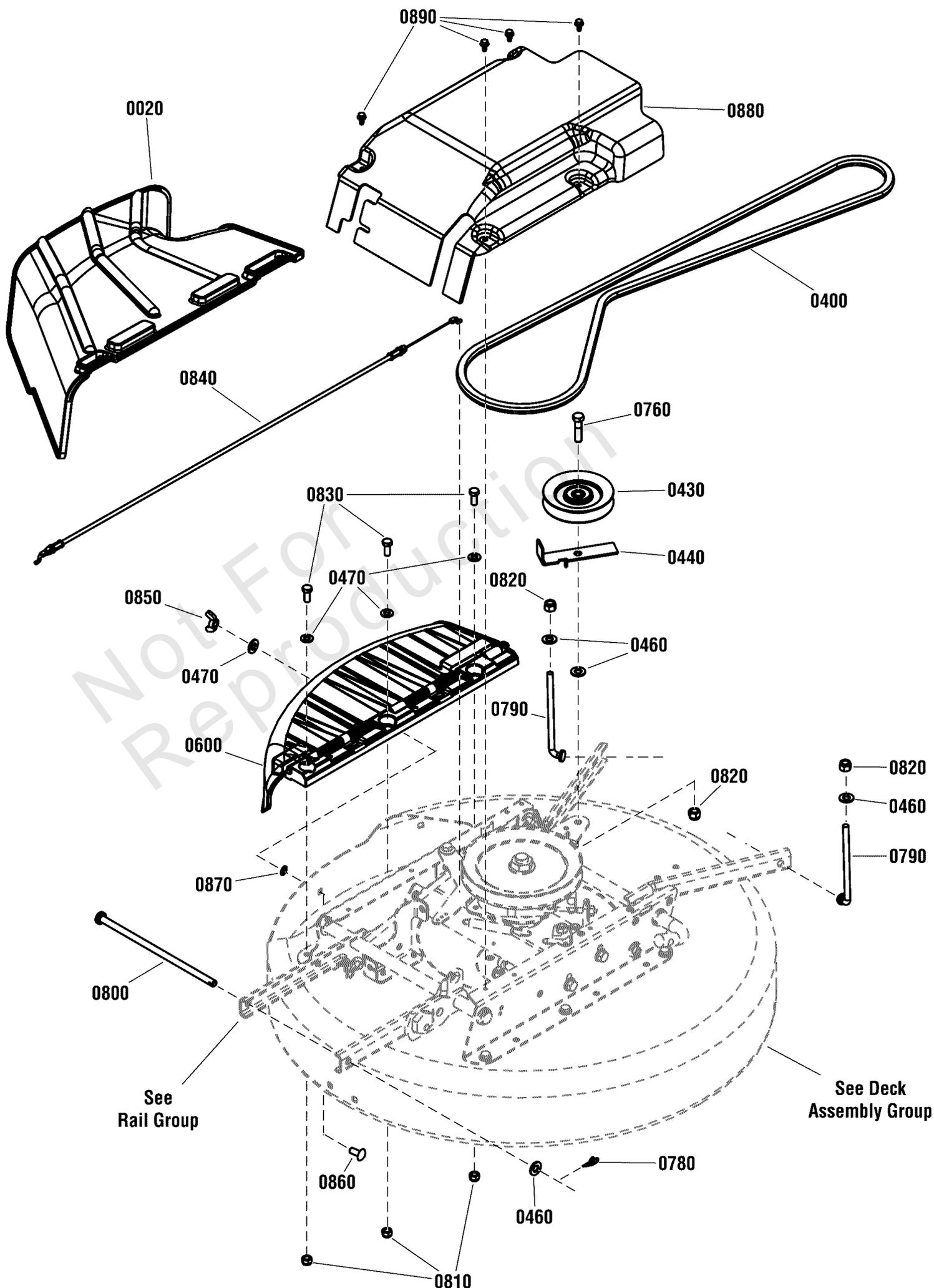
28" Deck Assembly, RER Mulcher

REF NO	PART NO	QTY	DESCRIPTION
0010	7010740YP	2	RING, 2 External Retaining
0020	7010935SM	3	WASHER, .77 x 1.13 x .06, Flat
0030	7012670YP	1	RING, 2 ID x 3/4 High, Tolerance
0040	7014304YP	1	PIN, 1/4 x 1-5/8 Clevis
0050	7014314YP	1	SPACER, .31 I.D. x .39 O.D. x 1 Nylon
0060	7015290YP	1	HUB, Pulley, PM
0070	7018781YP	1	PULLEY, Deck Spindle, 6.95 OD
0080	7032027SM	2	WASHER, 49/64x1-1/2x.06, Flat
0090	7503086YP	1	ASSEMBLY, Brake Band, RER, 10.12 X 1.25"
0100	7035378YP	1	DRUM, Brake Spindle (3 OD, 1.6 Tall)
0110	7061970YP	1	KIT, Deck Replacement, Red, 28 w/Anti-Scalp
0120	7036521YP	2	SPRING, Extension, 4 x 1/2 Diameter
0160	706001	1	WELDMENT, Idler Arm
0230	7074467SM	1	NUT, 3/4-16 Hex Jam, GR 8
0240	703590	1	WASHER, .406
0260	7090491YP	2	SCREW, 1/2-20 x 1-1/4 Hex Head Cap, GR5
0270	7090509YP	2	WASHER, 1/2 Internal Tooth Lock, BZ
0290	7090584YP	2	BOLT, 1/4-20 x 1/2 Hex Flange Lock, GR 5, ZP
0300	703409	9	NUT, Serrated Lock Flange, 5/16-18
0360	703332	1	WASHER, Flat, 1/4
0370	7091939YP	2	NUT, 1/2-20 Hex, GR 5 ZP
0380	703312	2	PIN, 3/32 X 3/4, GR5, Cotter, Zinc/Clear
0560	703823	3	BOLT, 5/16-18 x 5/8 Hex Flange lock, GR 5, YZ
0610	7014302YP	1	EYE-BOLT, 1/4-20 x 2-7/8 ZP
0630	703127	1	NUT, 1/4-20, G5 Zinc/Clear
0640	7016980BZYP	1	BLADE, 28" Mulcher
0650	7301280BMYP	1	BRACKET, Blade Engagement Cable
0660	704130	2	SCREW, 1/4-20 X .500, Hex HD, Self-Tap, Zinc/Clear
0670	703233	2	NUT, 1/4-20 Hex Flange Lock, GR 5, Zinc/Clear
0700	703955	3	BOLT, 3/8-16X0.75, Serrated Flange
0710	703333	3	NUT, 3/8-16, Flanged Lock, GR5
0750	7106120YP	1	T-NUT, 1/4-20 (Bent End)

28" Deck Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 7800950-02



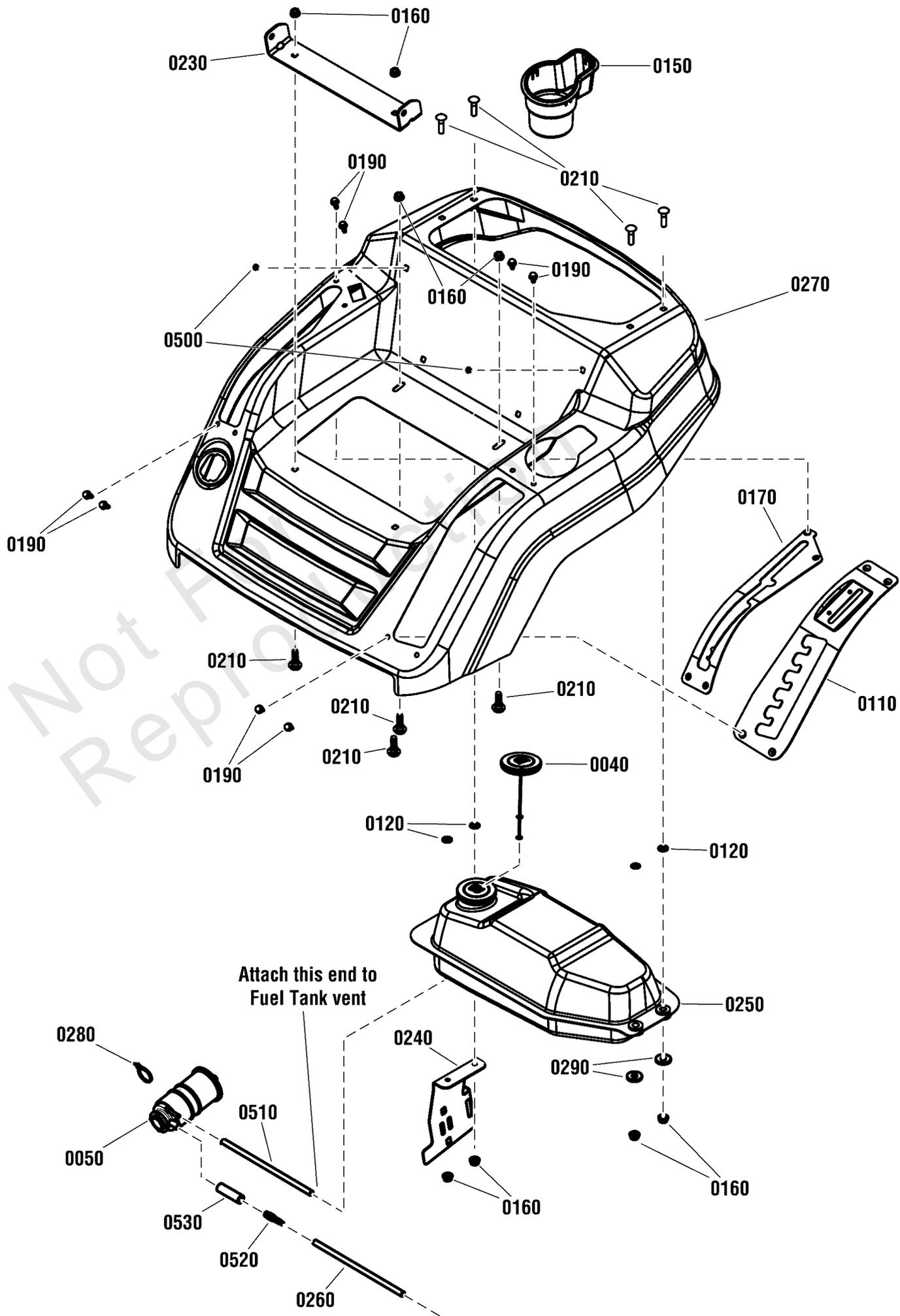
28" Deck Group

REF NO	PART NO	QTY	DESCRIPTION
0020	7105326YP	1	CHUTE, Side Discharge, 28"/33"
0400	7022252YP	1	BELT, Spindle Drive (72.75 AA Section, Kevlar)
0430	7029624YP	1	PULLEY, Seam Welded Idler (.375 ID, 4 OD)
0440	7032111YP	1	RESTRICTOR, Belt
0460	703590	4	WASHER, .406
0470	703350	4	WASHER, 5/16, Flat SAE, Zinc/Clear
0600	7105691YP	1	ASSEMBLY, Mulching Cover, RER, 28"
0600-10	7105688YP	1	COVER, Mulching, RER, 28 (Not Shown)
0600-20	7105689YP	1	ROD, Chute .25 OD, 17.62 Long (Not Shown)
0600-30	7103309YP	2	SPRING, Torsion, Rear Door (Not Shown)
0600-40	704005	1	NUT, 1/4, Push, BZ (Not Shown)
0600-50	7105346YP	1	HINGE, Chute, RER, 28/33 (Not Shown)
0760	703406	1	SCREW, 3/8-16X1.50, Hex HD Cap, GR5, Zinc/Clear
0780	703355	1	PIN, 3/8 Cotter Self Locking, Zinc/Clear
0790	706133	2	ROD, Rear Deck Lift, 5.5 Long, 3/8-16 Threads
0800	7105733YP	1	ROD, Front Deck Hangar, .38 Dia. X 9.16 Long
0810	703115	3	NUT, Flange Nylock, 5/16-18
0820	703117	3	NUT, 3/8-16, Nylock, GR5, Zinc/Clear
0830	703408	3	SCREW, 5/16-18 x 7/8 Hex Head Cap, GR 5, Zinc/Clear
0840	7105982YP	1	CABLE, Brake, 37.4 OPC
0850	704320	1	NUT, 5/16-18 Wing (Nylon Patch)
0860	703185	1	BOLT, Carriage, 5/16-18 X 3/4
0870	703297	1	RETAINER, 5/16, GR5 Zinc/Clear
0880	706172	1	COVER, Deck, 28/33, RER
0890	703054	4	SCREW, Hex Washer Head, 1/4-20 x 5/8

Console & Gas Tank Group - 02 Series

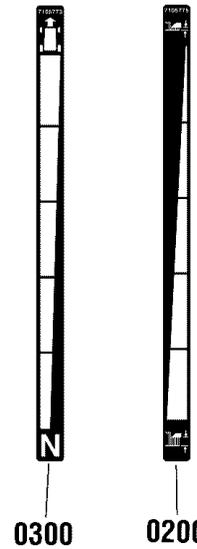
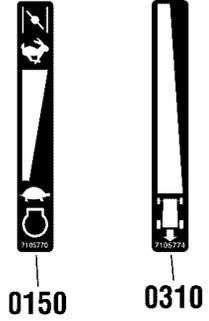
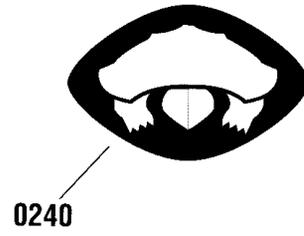
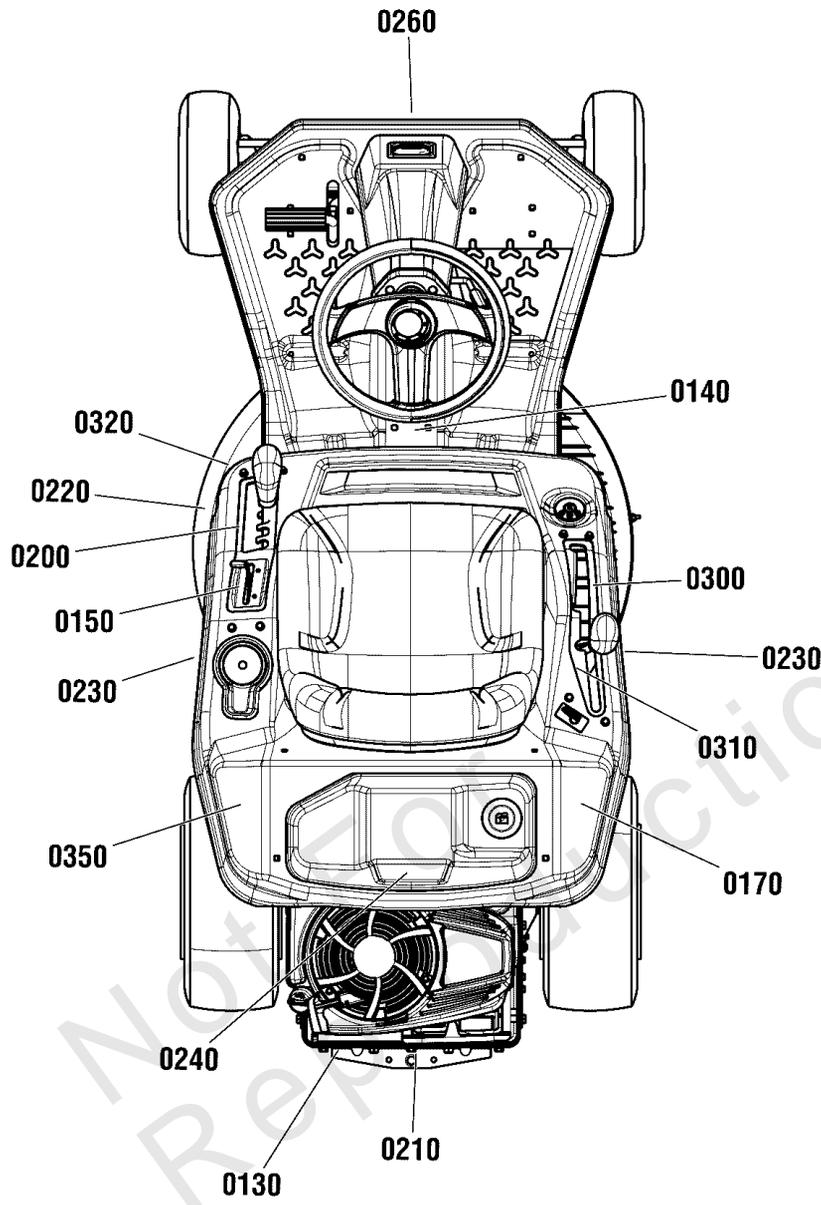
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 7800950-02

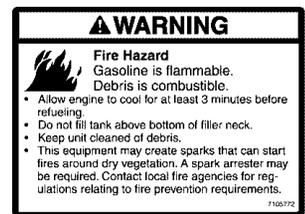
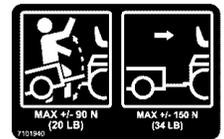


Console & Gas Tank Group - 02 Series

REF NO	PART NO	QTY	DESCRIPTION
0040	7105682YP	1	ASSEMBLY, Fuel Cap, Non-Vented
0050	709950	1	CANISTER, Carbon, 9.45L
0110	7301262BMYP	1	PLATE, HOC Detent
0120	703297	4	RETAINER, 5/16 X .625, Push Nut, GR 5, Zinc/Clear
0150	7105766YP	1	CUP HOLDER
0160	703409	8	NUT, Serrated Lock Flange, 5/16-18
0170	7301402BMYP	1	PLATE, Shift Detent
0190	703953	8	SCREW, Torx Pan Head Self-Tapping, 1/4-20 X 5/8,
0210	703446	4	BOLT, 5/16-18 X 1.25, Carriage, GR5, Zinc/Clear
0230	706334	1	BRACKET, Seat Pivot, 12.41" W, 9.5" W .344" Sq Holes
0240	709977	1	BRACKET, Canister Mounting, RER
0250	7106241YP	1	ASSEMBLY, Fuel Tank W/Cap, 1.96 Gal/7.4 L, RER
0040	7105682YP	1	ASSEMBLY, Fuel Cap, Non-Vented
0260	7200141YP	1	HOSE, Vapor, (5MM IS x 9MM OD x 16 Long)
0270	770610	1	CONSOLE, Seat/Controls, Mechanical, Red
0280	7024649YP	1	WIRE TIE, 11", Black Nylon
0290	703298	2	WASHER, 5/16
0500	1705115SM	2	PLUG, Hole (for .344 Square Hole)
0510	709979	1	HOSE, Vapor, 5MM ID, 4.00 LG
0520	709951	1	CONNECTOR, Barbed Fitting Reducer
0530	709952	1	HOSE, Vapor, 10MM I.D.



RE110



Decals

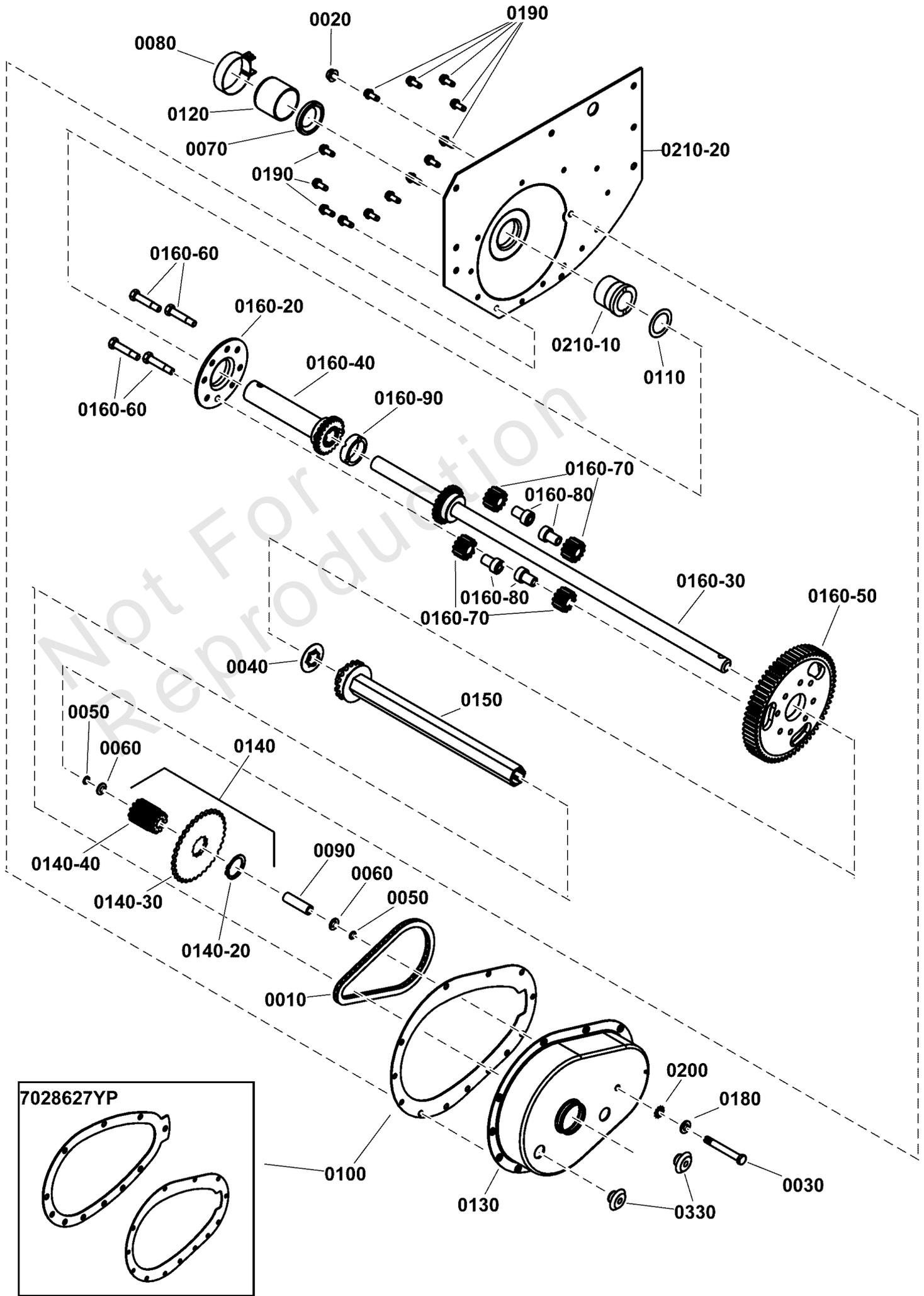
REF NO	PART NO	QTY	DESCRIPTION
0130	1758059YP	1	DECAL, EVAP, 50 State
0140	7105769YP	1	DECAL, Warning/Danger
0150	7105770YP	1	DECAL, Engine Speed
0170	7105772YP	1	DECAL, Fuel Warning
0200	7105775YP	1	DECAL, HOC
0210	7101940YP	1	DECAL, Weight Limitation
0220	7101665YP	2	DECAL, Danger Do Not Operate W/O Deflector
0230	1755403YP	2	DECAL, Snapper Logo, 1.8" x 7.23"
0240	1752570YP	1	DECAL, Snapper Turtle
0260	1739983YP	1	DECAL, Snapper, 2.13" x 8.5"
0300	7105773YP	1	DECAL, Forward Speed
0310	7105774YP	1	DECAL, Reverse Speed
0320	1755710YP	1	DECAL, 28IN/71CM, Mower Width
0350	7106369YP	1	DECAL, Model, RE110

Not For Reproduction

Differential Assembly

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 7800950-02



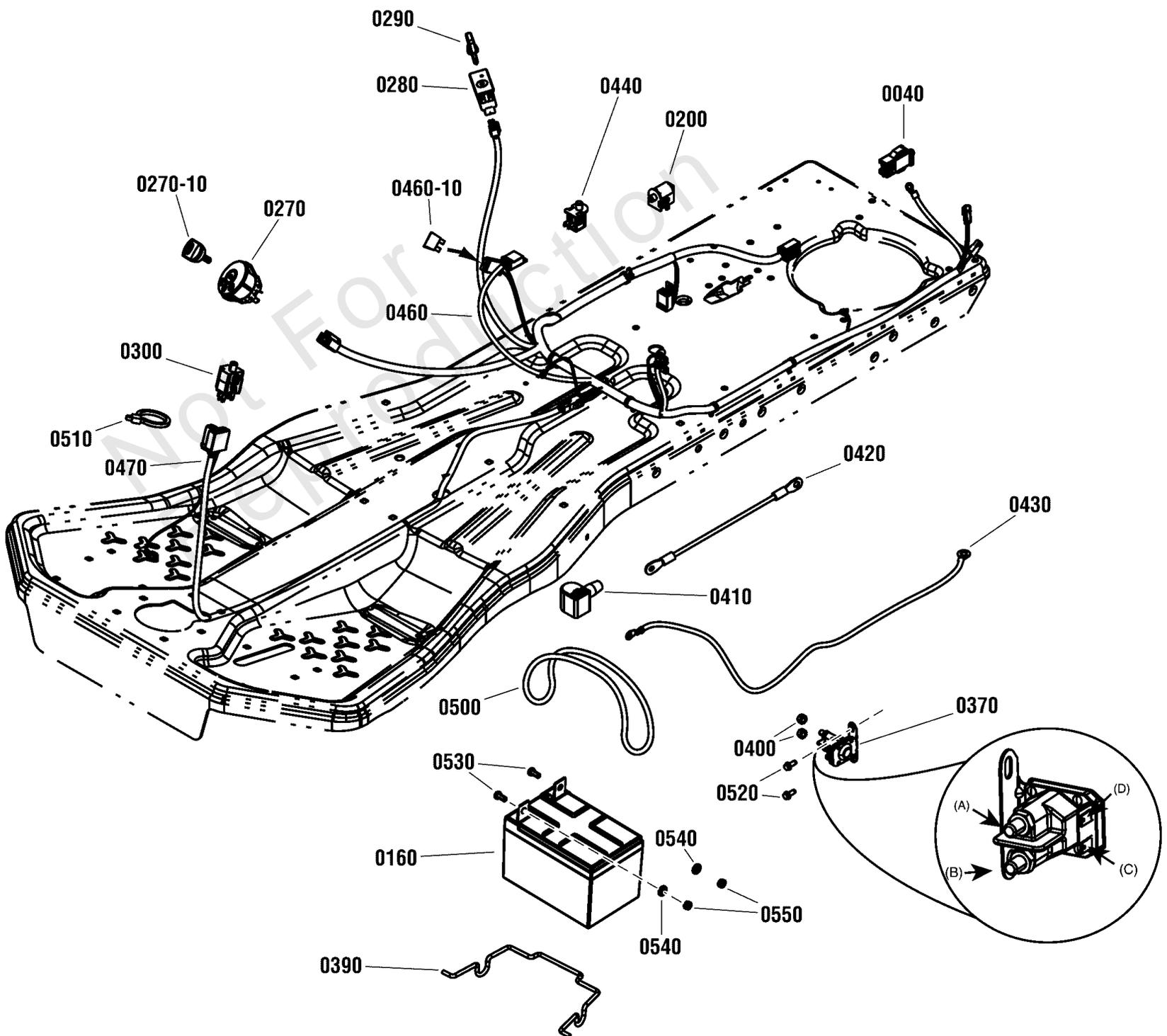
Differential Assembly

REF NO	PART NO	QTY	DESCRIPTION
0010	7010941YP	1	CHAIN, 46 Pitch (#35 Endless)
0020	703123	1	NUT, 5/16-24 Hex Flange Lock, ZP
0030	7011042YP	1	SCREW, 5/16-24 x 2-5/8 Hex Head Cap, ZP
0040	7011072YP	1	WASHER, Thrust, (Hex Flanged)
0050	7011156YP	2	O-RING, 5/16"
0060	7011782YP	2	WASHER, 5/16" X 5/8" X .05", Belleville
0070	7011817YP	1	SEAL, 1.22" ID x 1.875" OD
0080	7012332YP	1	CLAMP, 2" ID
0090	7021128YP	1	SPACER, .50 OD X .031 ID X 1.75 Long, Heat Treated
0100	7028762YP	1	KIT, Gasket
0110	7031079YP	1	WASHER, Thrust (1.37 ID, 1.625 OD)
0120	7031732YP	1	CAP, Seal 1.0" ID x 1.67" OD
0130	7037279YP	1	CASE, Transmission
0140	7050257YP	1	ASSEMBLY, Gear & Sprocket
0140-20	7010965YP	1	RING, 1-3/16 External Retaining
0140-30	7021129YP	1	SPROCKET, 34T, 3/8P
0140-40	7200128YP	1	GEAR, 11 Tooth, 10 Pitch, PM
0150	7051584YP	1	ASSEMBLY, Drive Hex Tube 13.2" Long
0160-20	7038067YP	1	PLATE, Differential, Heat Treated (8 holes)
0160-30	7075479YP	1	KIT, 23 Tooth Long Axle & Spacer (Includes 7047763 Axle & Spacer 7074431)
0160-40	7600137YP	1	KIT, Short Axle Assembly, 23T
0160-50	7021158YP	1	GEAR, 63 Tooth 10 Pitch (4 Hole)
0160-60	7012333YP	4	BOLT, 5/16-24 x 1-5/8 Hex Nylock, G5, Black
0160-70	7021127YP	4	GEAR, Differential Pinion (12T, 12P)
0160-80	7022115YP	4	SPACER, Pinion
0160-90	7074431YP	1	SPACER, Differential (1.25" ID x .425 Wide)
0180	703350	1	WASHER, 5/16, Flat SAE, Zinc/Clear
0190	703054	13	SCREW, Hex Washer Head, 1/4-20 x 5/8
0200	703138	1	WASHER, External Lock, 5/16
0210-10	7012296YP	1	BEARING, Axle, 1.126 ID, 1.626 OD, PM
0210-20	7301301YP	1	FENDER, RH, 1.615 Hole, RER-RE
0330	7011024YP	2	PLUG, 3/4"
0380	7061017YP	1 Qt.	GREASE, "00" (Not Shown)

Electrical Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 7800950-02



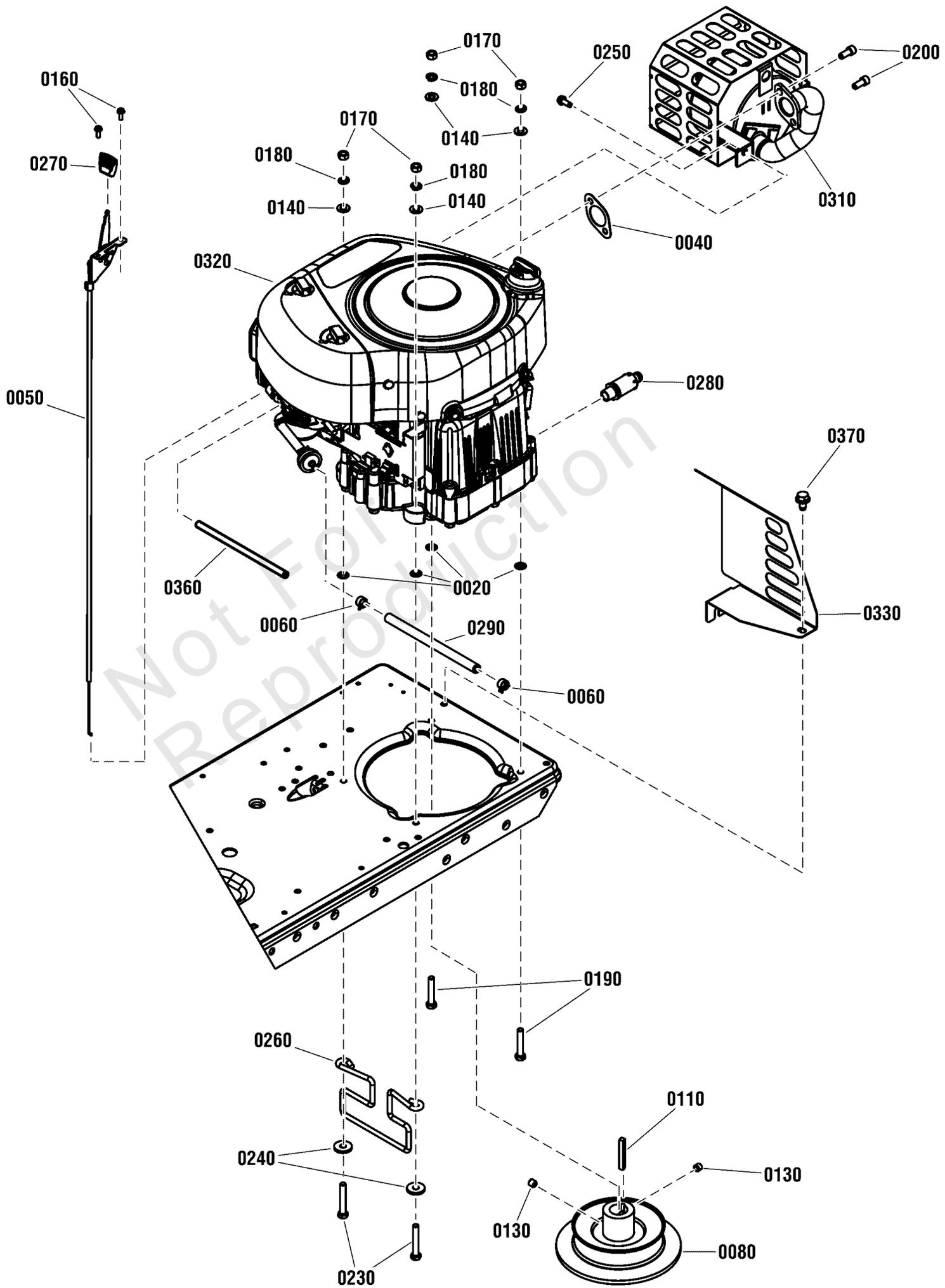
Electrical Group

REF NO	PART NO	QTY	DESCRIPTION
0040	7022886	1	SWITCH, DP NO/NC SNAP-IN
0160	7600188YP	1	BATTERY, 12V 20HR: 190CCA, Sealed (3.9" W, 5.9" L, 4 to 4.7" H)(Includes Cable Attachment Hdwe.)
0200	1732004SM	1	SWITCH, Push Button, (NO, Black)
0270	7106169YP	1	SWITCH, Ignition, 3 Position (Delta)(Without Key)
0270-10	7106172YP	1	KEY, Ignition Switch - Pack of 2, CE/CAN
0280	1726556SM	1	SWITCH, Reverse Mow Option Module (Without Key)
0290	1726557SM	1	KEY, RMO Module (Yellow)
0300	1751449YP	1	SWITCH, Plunger, Snap In (NO/NC/NC)
0370	1755381YP	1	SOLENOID, 12V, L-Bracket, 2-Spade
0390	7105788YP	1	BRACE, Battery
0400	2860750SM	2	NUT, 5/16-24 Hex Lock, Keps, YZ
0410	7105082YP	1	BOOT, Insulator
0420	1752685YP	1	CABLE, Battery Positive, Red (#8 x 10" Long, 1/4" & 5/16" Ring Terminals)
0430	7105875YP	1	WIRE, Negative, 8GA X 27.5, Black
0440	7023354YP	1	SWITCH, Seat, Push Button (NC)
0460	706329	1	WIRE HARNESS, Main, RER, 11.5HP/13.5HP
0460-10	7023653YP	1	FUSE, 20 Amp
0470	7105697YP	1	HARNESS, Blade Engage, 41"
0500	1665872SM	1	STRAP, Rubber Battery, .19 SQ, 7.88 OD, Black
0510	703586	1	TIE, 7, Self Locking
0520	703054	2	SCREW, Hex Washer Head, 1/4-20 x 5/8
0530	703338	2	SCREW, 1/4-20 X 0.625, Hex Head Cap, GR5, Zinc/Clear
0540	703332	2	WASHER, Flat, 1/4
0550	703954	2	NUT, Centerlock, 1/4-20, GR5

Engine Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 7800950-02



Engine Group

REF NO	PART NO	QTY	DESCRIPTION
0010	703890	1	KEY, 1/4 Square x 2 Long
0020	703297	4	RETAINER, 5/16 X .625, Push Nut, GR 5, Zinc/Clear
0040	7015352SM	1	GASKET, Exhaust
0050	7105917YP	1	ASSEMBLY, Throttle Control, 23.6" Long, 1.6" Throw
0060	791850	2	CLAMP, Hose
0080	7072658YP	1	DRIVE DISC, Steel, (4.56 P.D., 5.75 O.D. Pulley)
0130	7090132YP	2	SCREW, 3/8-16 x 3/8 Hex Recess Set
0140	703350	4	WASHER, 5/16, Flat SAE, Zinc/Clear
0160	704060	2	SCREW, 10-24 x 1/2" Hex Washer Self-Tap, Torx, ZC/CL
0170	703331	4	NUT, 5/16-24, Hex, GR5, Zinc/Clear
0180	703116	4	WASHER, .32 X .58 X .08, Split Lock, Zinc/Clear
0190	7091513YP	2	SCREW, 5/16-24 X 1.75, Hex Head Cap, GR5, Zinc/Clear
0200	7091738SM	2	SET SCREW, 5/16-18 x 3/4 Socket Head, GR8, BZ
0230	704056	2	SCREW, 5/16-24 X 2, Hex Head Cap, GR5, Zinc/Clear
0240	703298	2	WASHER, 5/16
0250	703054	1	SCREW, Hex Washer Head, 1/4-20 x 5/8
0260	7105172BMYP	1	GUIDE, Belt, 1/4" Wire, 1.85" X 4.74" ID, 3.72" Tall, 5.74" Mount
0270	7106008YP	1	KNOB, Molded Paddle, Black
0280	7027972SM	1	ASSEMBLY, Oil Drain Valve, 2.775" Long
0290	1734994SM	1	HOSE, Fuel, .25" ID, .5" OD, 8.50" LG, Low Perm
0310	706121	1	MUFFLER, W/Heat Shield
0320	21R807-0008-G1	1	* ENGINE, B&S Powerbuilt 11.5 Gross HP, Mod. 21R807-0008-G1
0330	7301135BZYP	1	SHIELD, Manifold, RER
0360	7106046YP	1	HOSE, Vapor - 18" L
0370	7091198SM	1	SCREW, 3/8-16 x 5/8" Hex Washer Self-Tap, BP

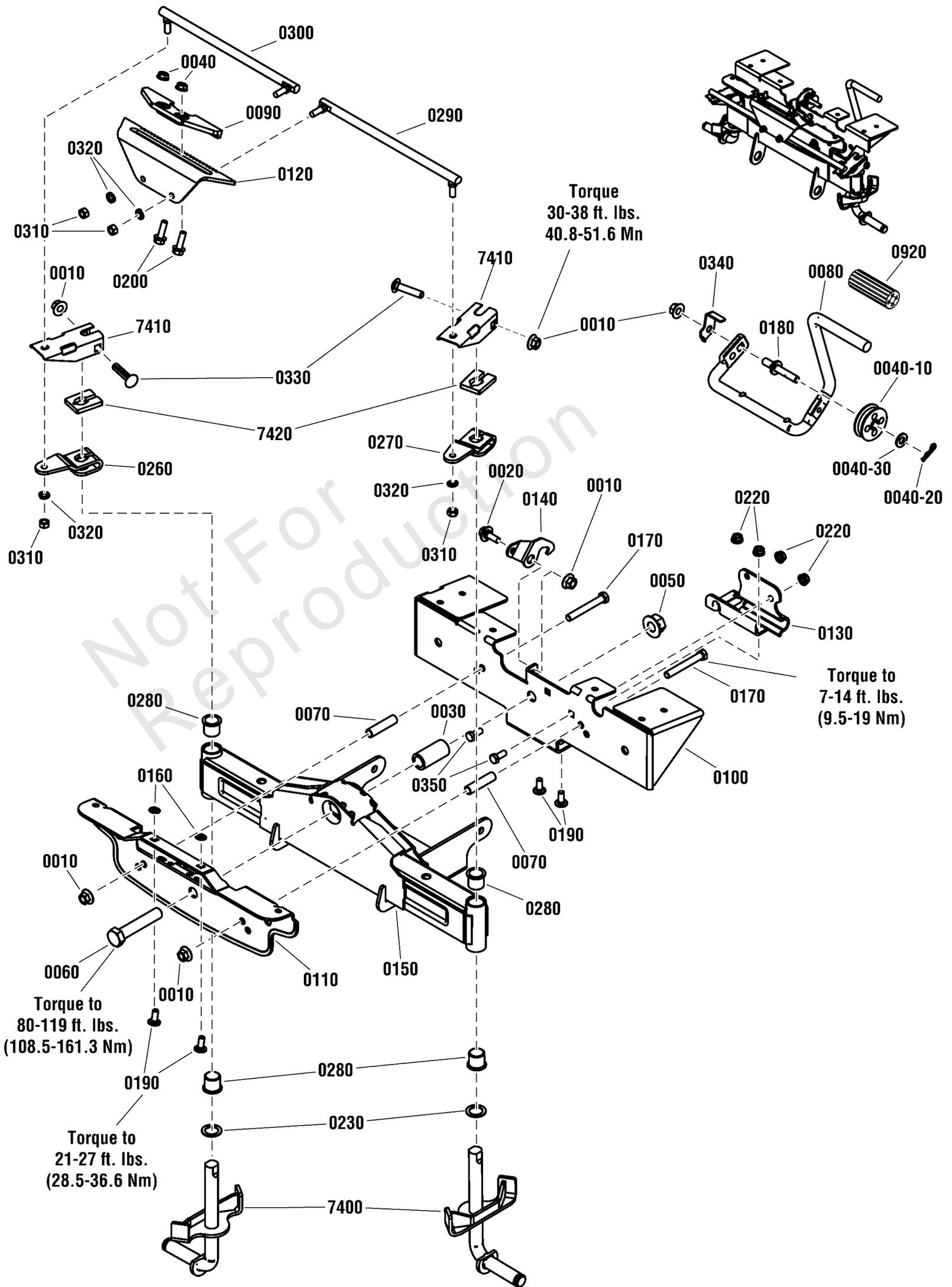
Footnotes:

Note: * Purchase engine parts from engine manufacture dealer.

Front Axle Group 11" Wheels

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 7800950-02



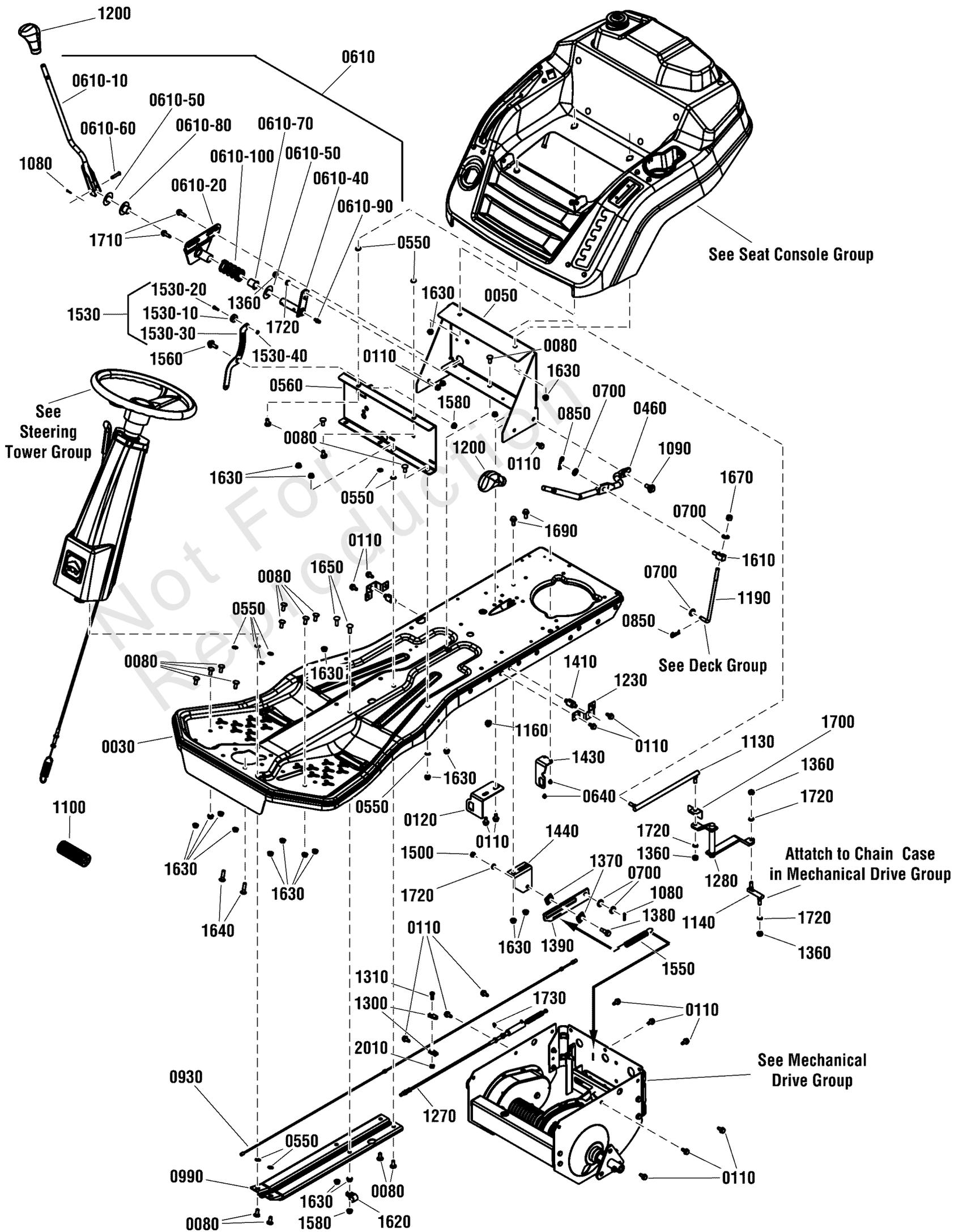
Front Axle Group 11" Wheels

REF NO	PART NO	QTY	DESCRIPTION
0010	703893	10	NUT, Hex, Flange, Two Way Lock, 3/8-16
0020	1716654SM	1	BOLT, 5/16-18 X .75, .50 Shoulder G5 YEL
0030	1738193YP	1	SPACER, .641 ID X.980 OD X 2.0 Long
0040	704067	2	NUT, Hex Flange, 5/16-18
0040-10	7023182	1	SPOOL
0040-20	703430	1	PIN , 13 X 1.190, Cotter/Hair, Zinc/Clear
0040-30	703590	1	WASHER, .406
0050	2860646SM	1	NUT, 5/8-11, Hex Flange Two Way Lock, Yellow
0060	2860744SM	1	CAPSCREW, Hex Head, 5/8-11 x 3 1/4
0070	7026595YP	2	SPACER, .495 OD X .390 ID X 2.038 Long
0080	7105142YP	1	PEDAL, Brake
0090	7105857YP	1	PLATE, Rack Guide
0100	7301259YP	1	BRACKET, Rear Axle
0110	7301432YP	1	BRACKET, Front Axle, Narrow
0120	7301283YP	1	RACK, Steering
0130	7301317YP	1	BRACKET, Brake Pedal
0140	7301351YP	1	PLATE, Park Brake
0150	1759979BZYP	1	WELDMENT, Axle
0160	703297	2	RETAINER, 5/16, GR5 Zinc/Clear
0170	703133	2	SCREW, 3/8-16 X 2.750, Hex Head Cap, GR5, Zinc/Clear
0180	703956	1	STUD, 3/8-16 X 2.625, Special Shoulder, GR5
0190	703185	4	BOLT, Carriage, 5/16-18 X 3/4
0200	703410	2	BOLT, Serrated Flange, 5/16-18 X 1.0
0220	703409	4	NUT, Serrated Lock Flange, 5/16-18
0230	7010935SM	2	WASHER, .77 x 1.13 x .06, Flat
0260	7301337BMYP	1	ARM, RH Steering
0270	7301338BMYP	1	ARM, LH Steering
0280	2176440SM	4	BUSHING, .765 ID, .885 OD, .877 LG, Flanged Nylon
0290	7105916YP	1	LINK, Drag 10 Lg, 90° X 5/16-24 Ball Joints, LH
0300	7105148YP	1	LINK, Shift, 10 Lg, 90° X 5/16-24 Ball Joints, RH
0310	703331	4	NUT, 5/16-24, Hex, GR5, Zinc/Clear
0320	703116	4	WASHER, .32 X .58 X .08, Split Lock, YZ
0330	703879	2	BOLT, Carriage 3/8-16X1-3/4 GR5 YZ
0340	7301352YP	4	GUIDE, Clutch Cable
0350	704287	2	SCREW, 5/16-18 x 3/4 Hex Head Cap, GR 5, YZ
0920	1727261SM	1	PEDAL, Brake Rubber
7400	7400345BMYP	2	WELDMENT, Spindle 11"
7410	7301438BMYP	2	BRACKET, Steering Arm Support
7420	7301440BMYP	2	WASHER, Steering Arm

Main Frame Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 7800950-02



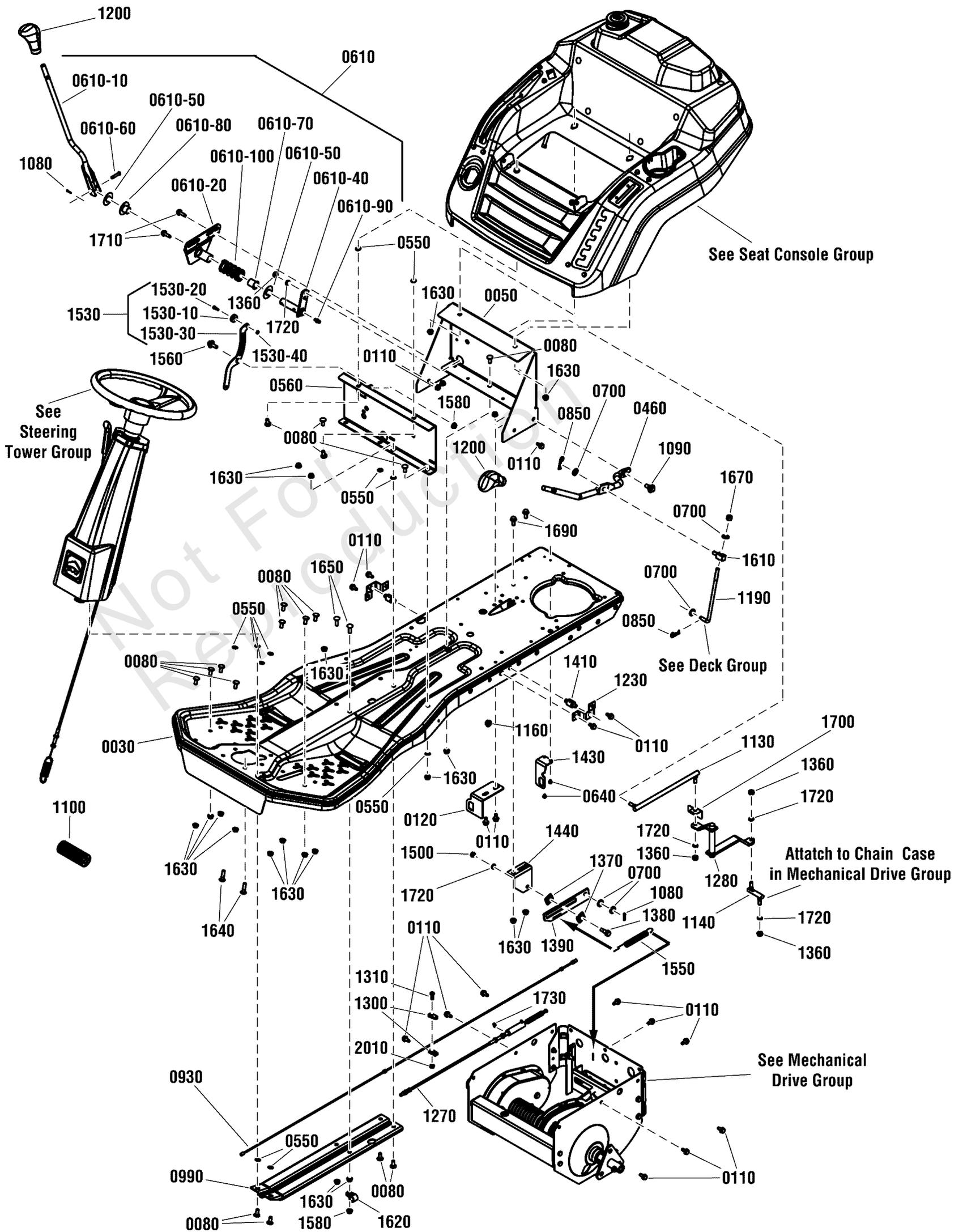
Main Frame Group

REF NO	PART NO	QTY	DESCRIPTION
0030	-----	1	MAIN FRAME, Mechanical, RER -(Not a Part Sale Item)
0050	7301222BMYP	1	BRACKET, Console Support
0080	703185	21	BOLT, Carriage, 5/16-18 X 3/4
0110	703949	16	SCREW, 5/16-18 X .625, Hex Washer Head, Thread Roll, Zinc/Clear
0120	7301371BMYP	1	BRACKET, Reverse Stop Switch
0460	7105822BMYP	1	ROD, Deck Lift, RER
0550	703297	14	RETAINER, 5/16, GR5 Zinc/Clear
0560	7301330BMYP	1	BRACKET, Seat Hinge Support
0610	-----	1	ASSEMBLY, Speed Selector (Reference) -(Not a Part Sale Item)
0610-10	7400320YP	1	WELDMENT, Speed Select Lever
0610-20	7400319YP	1	WELDMENT, Speed Select Bracket
0610-40	7043201YP	1	WELDMENT, Shift Arm
0610-50	7031036YP	2	WASHER, Thrust .76 ID, 1.62 OD, .025 Thick
0610-60	7023914YP	1	PIN, .25 X 1.25, Clevis
0610-70	7019246YP	1	BUSHING, 3/4 ID, 1 Flange (Nylon)
0610-80	7019245YP	1	BUSHING, 3/4 ID, 1.62 Flange (Nylon)
0610-90	7010817SM	1	FITTING, Lube (Straight press fit for .187 hole, no ball)
0610-100	7010754	1	SPRING, SHIFT DETENT
0640	704061	2	SCREW, #10-32 X 1/4, Hex Washer, Self-Tap, ZC/CL
0700	703590	5	WASHER, .406
0850	703300	2	PIN, Hair, 3/32 x 1 5/8
0930	7105152YP	1	CABLE, Clutch, 56.75 Long (2 floating & 2 fixed furrels)
0990	7301349BMYP	1	BRACE, Frame, RER
1080	703312	2	PIN, 3/32 X 3/4, GR5, Cotter, Zinc/Clear
1090	702315	1	BOLT, 3/8-16 X .88, .513 Dia. Shoulder, GR2, Zinc/Clear
1100	1727261SM	1	PEDAL, Brake Rubber
1130	7105148YP	1	LINK, Shift, 10 Lg, 90° X 5/16-24 Ball Joints, RH
1140	7011018YP	1	SHIFT LINK, Short (1.44 Long, 5/16-24 thread)
1160	703893	1	NUT, Hex, Flange, Two Way Lock, 3/8-16
1190	7105735YP	1	LINKAGE, 3/8 Deck Rod
1200	7105767YP	2	KNOB, HOC/Speed Selector, 1/2 Hole
1230	7301336BMYP	2	BRACKET, Rear Deck Lift
1270	7105151YP	1	CABLE, Brake, Snap-in, 40.89"
1280	7041384BMYP	1	WELDMENT, Shift Arm
1300	7034174YP	2	CONNECTOR, Cable (Single Part)
1310	703925	1	SCREW, 1/4-20 x 3/4 Hex Head Cap, GR 5, Zinc/Clear
1360	703331	4	NUT, 5/16-24, Hex, GR5, Zinc/Clear
1370	7014663YP	2	SLIDE HALF
1380	703428	1	BOLT, 5/16-18 x .530 Shoulder, GR 2, Zinc/Clear
1390	7047190BMYP	1	SLIDE, Drive Support
1410	7105736YP	2	SWIVEL, .390 Dia., Thru Hole
1430	7073735YP	1	BRACKET, Switch
1440	7047189BMYP	1	BRACKET, Drive Support
1500	703465	1	NUT, 5/16-18, GRB, Zinc/Clear
1530	-----	1	ASSEMBLY, OPC Roller (Reference) -(Not a Part Sale Item)
1530-10	7106025YP	1	ROLLER, .265 X 1.312 X .344
1530-20	703960	1	BOLT, 10-24 X .750, Shoulder, GR8, Zinc/Clear
1530-30	7301367BMYP	1	PLATE, Roller OPC
1530-40	7091267SM	1	NUT, 10-24, Hex Center Lock, BZ

Main Frame Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 7800950-02



Main Frame Group

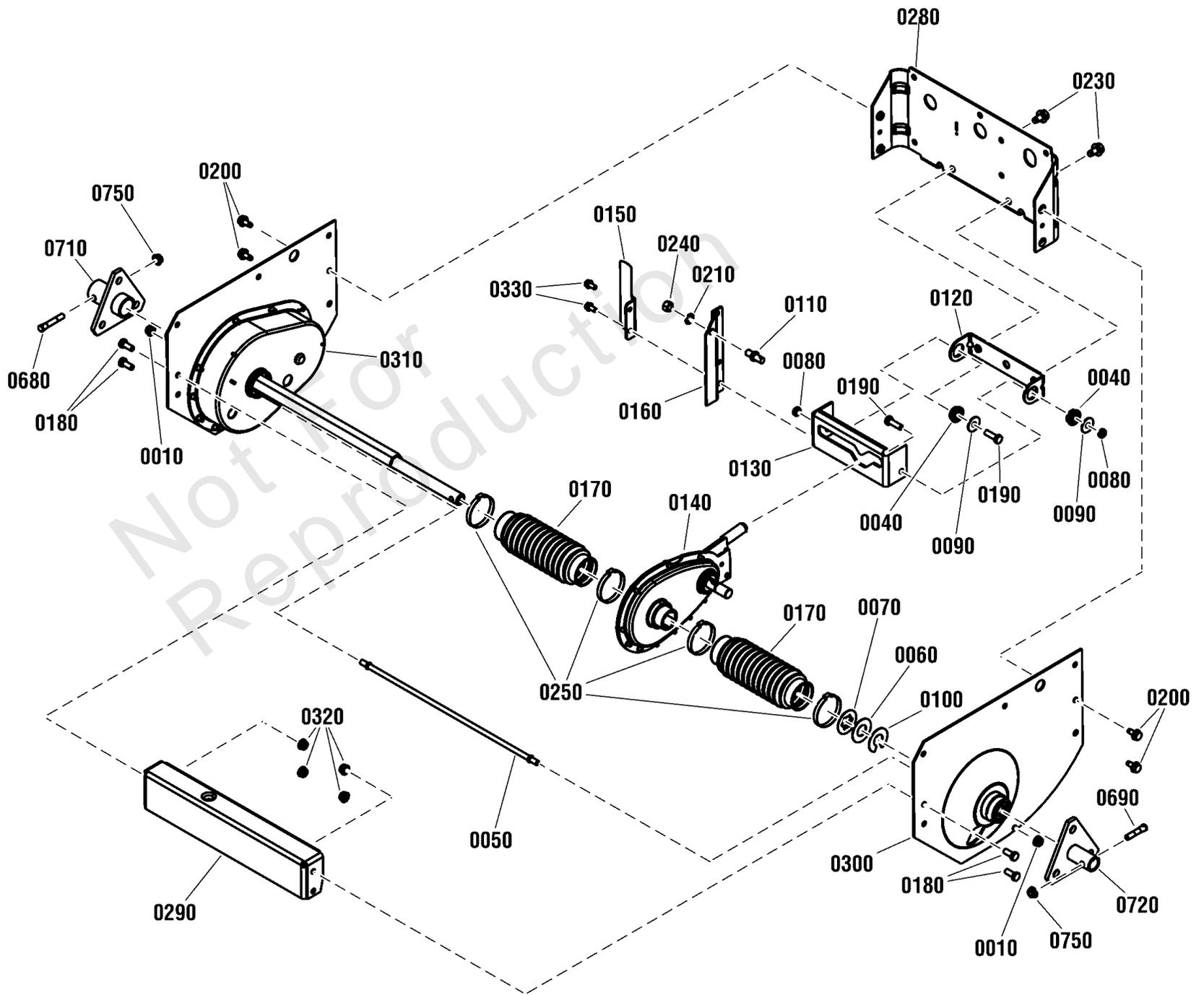
REF NO	PART NO	QTY	DESCRIPTION
1550	7013885YP	1	SPRING, Clutch / Brake
1560	1716654SM	1	BOLT, 5/16-18 X 0.75, .50 Shoulder G5 YEL
1580	704067	3	NUT, Hex Flange, 5/16-18
1610	7072495SM	1	SWIVEL, 3/8 W/ Thru Hole, YZ
1620	7900020SM	2	CLIP, Harness, 5/8
1630	703409	19	NUT, Serrated Lock Flange, 5/16-18
1640	703446	2	BOLT, 5/16-18 X 1.25, Carriage, GR5, Zinc/Clear
1650	703483	2	BOLT, 5/16-18 X 1 Carriage, GR5, Zinc/Clear
1670	703117	1	NUT, 3/8-16, Nylock, GR5, Zinc/Clear
1690	703354	2	SCREW, Flange, Whiz-Lock, 5/16-18 X 3/4
1700	7301370YP	1	PADDLE, Reverse Switch
1710	704146	2	SCREW, 5/16-18 X 1.0, Hex Washer Head Self-Tap, ZC/CL
1720	703116	5	WASHER, .32 X .58 X .08, Split Lock, YZ
1730	7012313SM	1	RETAINING RING, .375, External
2010	703954	1	NUT, Centerlock, 1/4-20, GR5

Not For Reproduction

Mechanical Drive Assembly RER

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 7800950-02



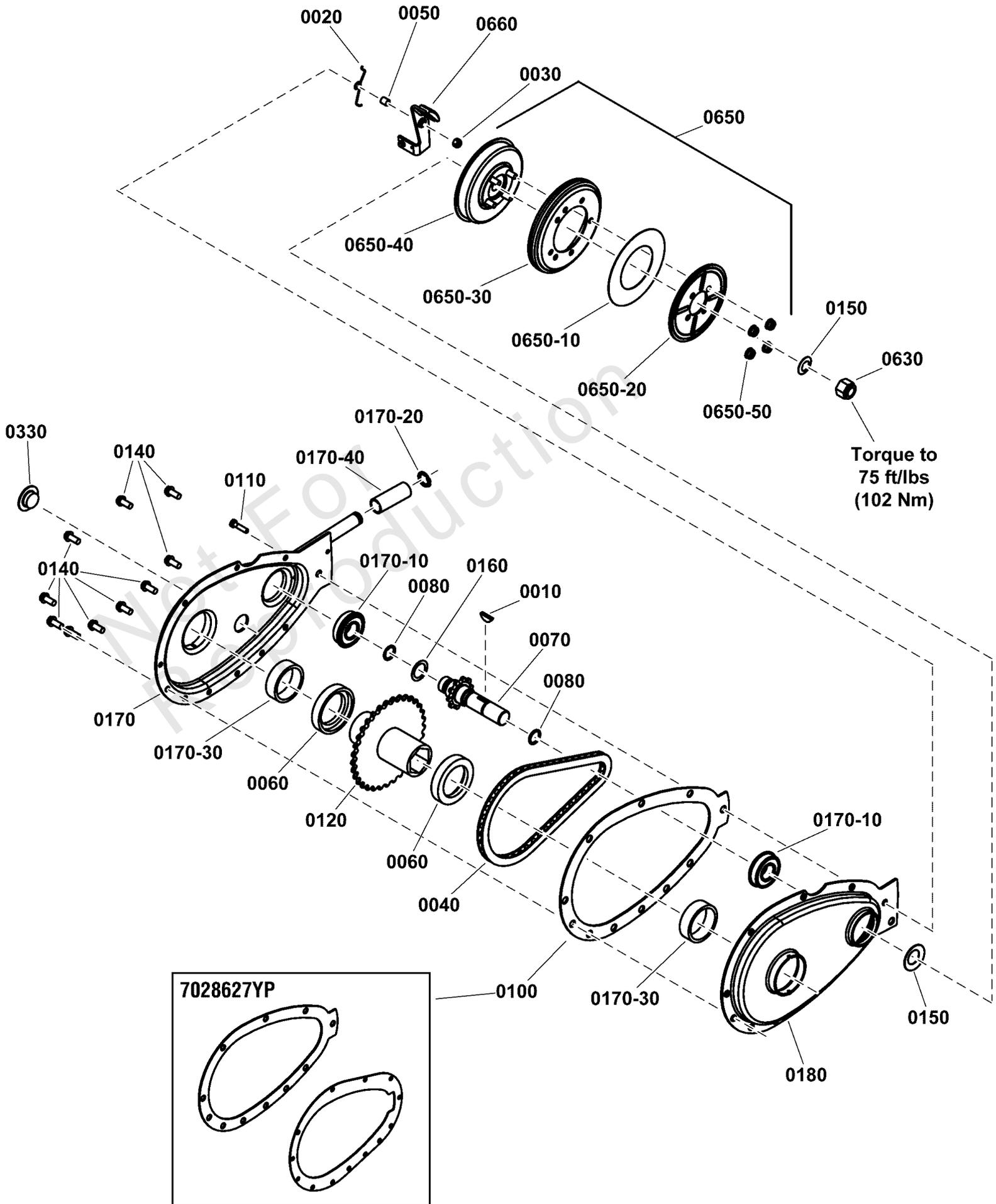
Mechanical Drive Assembly RER

REF NO	PART NO	QTY	DESCRIPTION
0010	703123	2	NUT, 5/16-24, Serated Flange, Zinc/Clear, GR5
0040	7011048YP	2	BEARING, Yoke
0050	7011070YP	1	TIE ROD, (5/16-24 thread- both ends)
0060	7011071YP	2	WASHER, Thrust, (.765 ID, 1.625 OD)(Nylon)
0070	7011072YP	1	WASHER, Thrust, (Hex Flanged)
0080	703459	2	NUT, 5/16-24, Hex Crown Lock,GR C, Zinc/Clear
0090	7011763SM	2	WASHER, 5/16" I.D. 1" O.D. Fender
0100	7012271YP	1	WASHER, Notched Shim, Nylon (Can make from 7011071)
0110	7015464YP	1	STUD, Clutch Link (3/8-24 thread)
0120	7033291YP	1	COLLAR, Yoke
0130	7046162YP	1	YOKE
0140	7052683YP	1	ASSEMBLY, Primary Chain Case (See Primary Chaincase Assembly Group)
0150	7059068YP	1	ASSEMBLY, Leaf Spring
0160	7073733YP	1	ARM, YOKE
0170	7075115YP	2	BOOT, Rear Axle, Thick Flange
0180	1921332SM	4	SCREW, 5/16-18 x 3/4 Hex Head Cap, GR 5, YZ
0190	703301	2	SCREW, 5/16-24 x 1 Hex Head Cap, GR 5, BZ
0200	703949	4	SCREW, 5/16-18 x 5/8 Hex Washer Self-Tap, BP
0210	703930	1	WASHER, 3/8 Internal Tooth Lock, BZ
0230	7091198SM	2	SCREW, 3/8-16 x 5/8 Hex Washer Self-Tap, BP
0240	703895	1	NUT, 3/8-24, Hex, Grade 5, YZ
0250	7105184YP	4	CLAMP, 2" ID, Oetiker
0280	7301297YP	1	PLATE, Rear Hitch
0290	7301325YP	1	BRACKET, Cross Brace
0300	7503036YP	1	ASSEMBLY, LH Fender, RER-RE
0300-20	7301302YP	1	FENDER, 1.625" ID Hole, LH, RER-RE
0300-30	7074182YP	2	BEARING, 3/4" ID, DX (Not Shown)
0300-40	7052827YP	1	BEARING, AXLE, 3/4" (Includes 7074182, 7074500, & 7075848) (Not Shown)
0300-50	7074500YP	1	SEAL, .750X1.25X.25, Dust / Grease (Not Shown)
0300-60	7075848YP	1	FITTING, Lube, 45 Degree, 3/16 w/Hex (long shank) (Not Shown)
0310	7503037YP	1	ASSEMBLY, Differential Case, 4 Pinion, RER-RE
0320	703409	4	NUT, Serrated Lock Flange, 5/16-18
0330	704130	2	SCREW, 1/4-20X.500, Hex HD, Self-Tap, Zinc/Clear
0680	7011013YP	1	BOLT, 5/16-24 x 2 Tapered, Axle (Right Hand)
0690	7011035YP	1	BOLT, 5/16-24 x 1-5/8 Tapered, Axle (Left Hand)
0710	7040433YP	1	HUB, Rear Wheel, 3 Hole 1.25" ID, RH
0720	7040434YP	1	HUB, Rear Wheel, 3 Hole 3/4" ID, LH
0750	704279	2	NUT, 5/16-24 Hex Flange Lock, BZ

Primary Chain Case

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 7800950-02



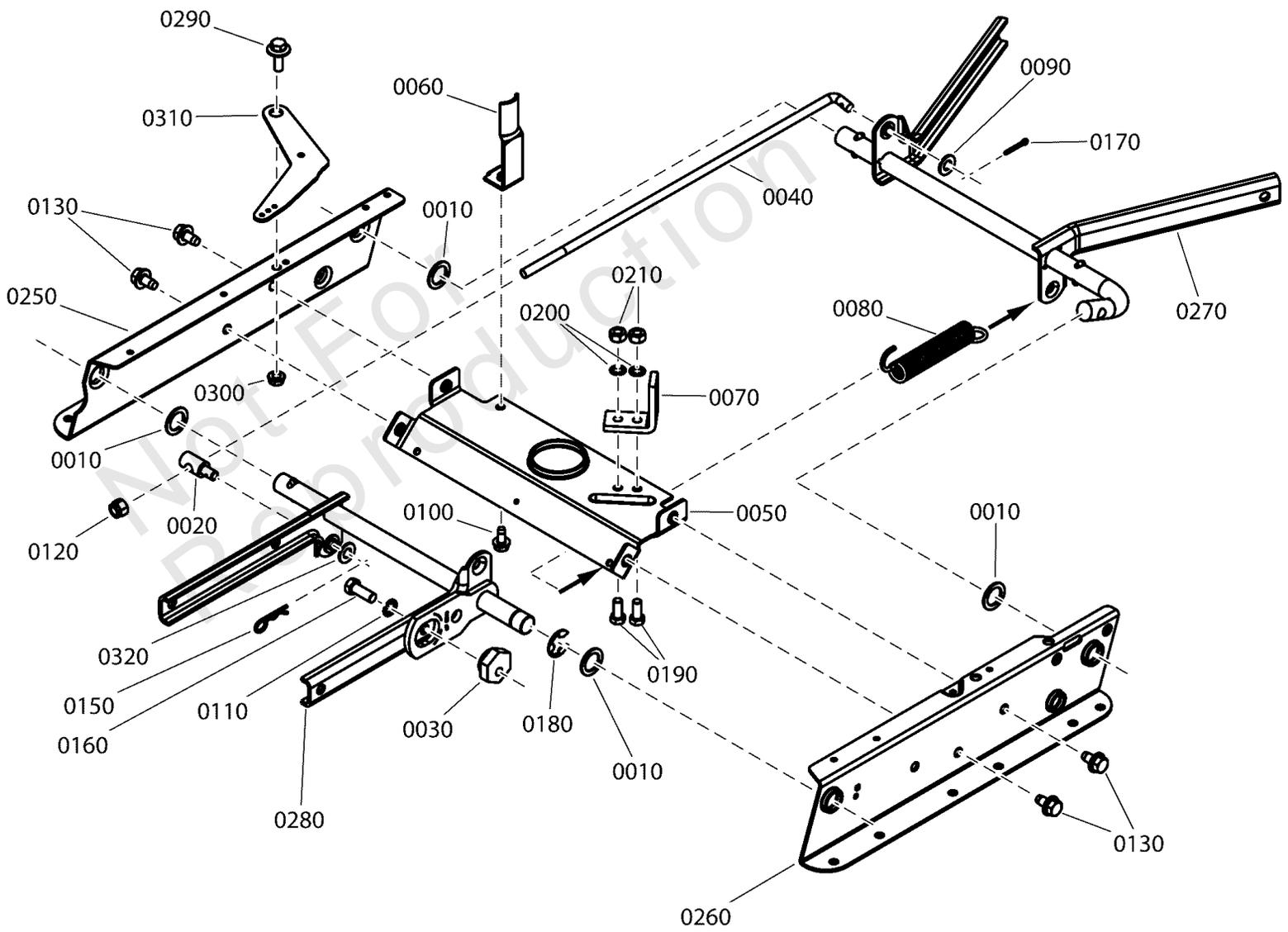
Primary Chain Case

REF NO	PART NO	QTY	DESCRIPTION
----	7052683YP	1	ASSEMBLY, Primary Chain Case -(Contains all except Rubber Disc and Brake related parts)
0010	7010614YP	1	KEY, #5 (1/8 x 5/8) Woodruff
0020	7072406YP	1	SPRING, Brake Return Torsion
0030	703972	1	NUT, 1/4-28 Hex Top Lock, GR 5, BZ -(Was 7090303)
0040	7010941YP	1	CHAIN, 46 Pitch (#35 Endless)
0050	7072593YP	1	SPACER, Brake Arm Pivot (.265 ID, .375 OD, .418 long)
0060	7011086YP	2	WASHER, Thrust, Nylon
0070	7018963YP	1	WELDMENT, Sprocket & Shaft
0080	7019260YP	2	O-RING, 1/2 x 5/8"
0100	7028761YP	1	GASKET, Primary Chain Case -(Replaced by gasket kit 7028762YP)
0110	7091504YP	1	SCREW, 1/4-28 X 1, Hex HD, GR5 BZ
0120	7040355YP	1	WELDMENT, Hub & Sprocket
0140	704060	10	SCREW, #10-24 x 1/2 Hex Washer Self-Tap (Torx), Zinc/Clear
0150	7011121SM	2	WASHER, Belleville .64 x 1.125 x .028
0160	7027981YP	1	WASHER, Wave .625 x .875
0170	7041136YP	1	WELDMENT, Primary Chain Case Half, RH
0170-10	7010756YP	2	BEARING, Ball 5/8 ID x 1-3/8 OD
0170-20	7010776YP	1	RING, 1/2 External Retaining
0170-30	7010942YP	2	BEARING, Needle 1.355 ID x 1.6245 OD x .5 Wide
0170-40	7022785YP	1	ROLLER, 1-3/8 Long
0180	7039778YP	1	COVER, Primary Chain Case, LH
0330	7011024YP	1	PLUG, 3/4"
0630	703432	1	NUT, 5/8-18, Nylon Insert Lock, Zinc/Clear
0650	7600136YP	1	KIT, Smooth Clutch Assembly
0650-10	7014523YP	1	WASHER, Thrust
0650-20	7032331YP	1	PLATE, Smooth Clutch
0650-30	7600135YP	1	DRIVEN DISC, Rubber, Smooth Start Clutch
0650-40	7600142YP	1	ASSEMBLY, Driven Hub & Cup -(Incl. Ref. 0650-60)
0650-50	703123	4	NUT, 5/16-24 Hex Flange Lock, BZ
0650-60	703935	4	SCREW, 5/16-24 x 1-1/8 Rib Neck, GR 5 (Not Shown)
0660	7052497YP	1	ASSEMBLY, Brake Lever & Pad

Rail Assembly

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 7800950-02



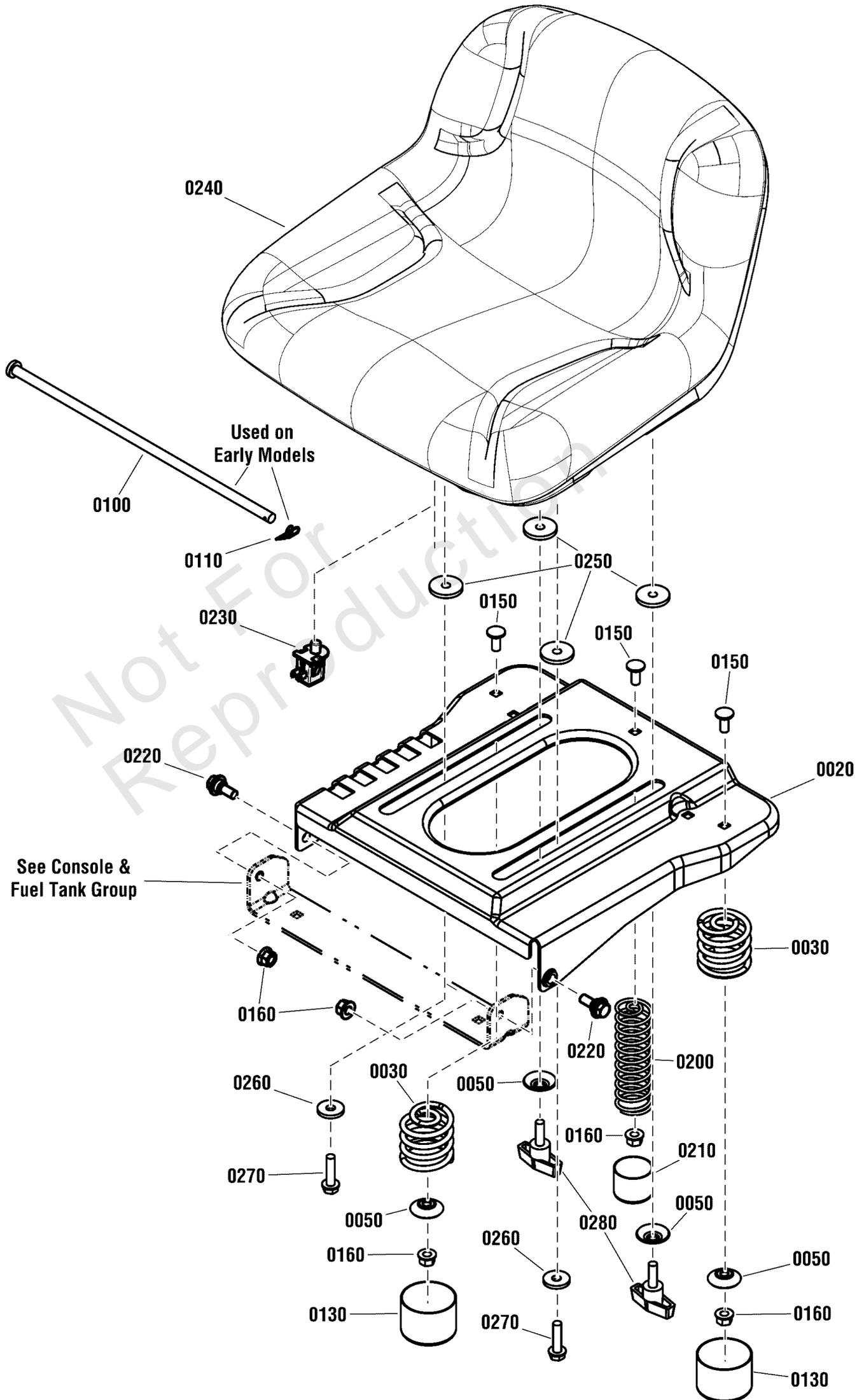
Rail Assembly

REF NO	PART NO	QTY	DESCRIPTION
0010	7010935SM	4	WASHER, .77 x 1.13 x .06, Flat
0020	7011231SM	1	SWIVEL, 3/8 w/thru hole, Special
0030	7015447YP	1	ECCENTRIC, Leveling
0040	7016122YP	1	ROD, Leveling (3/4-24 thread)
0050	7031838BMYP	1	BRACE, Top Rail
0060	7031855YP	1	GUIDE, Belt
0070	706321	1	ANCHOR
0080	7046163YP	1	SPRING, Assist
0090	703590	2	WASHER, .406
0100	703949	1	SCREW, 5/16-18 x 5/8 Hex Washer Self-Tap, BP
0110	703930	1	WASHER, 3/8 Internal Tooth Lock, BZ
0120	703901	1	NUT, 3/8-24 Hex Nyloc ZP
0130	7091198SM	4	SCREW, 3/8-16 x 5/8 Hex Washer Self-Tap, BP
0150	703300	1	PIN, Hair, 3/32 x 1 5/8
0160	001X20MA	1	CAPSCREW, 3/8-24 x 1, Hex Head, Zinc
0170	703958	1	PIN, 1/8 X 0.75, Cotter, Zinc/Clear
0180	0011X3MA	1	E-RING, .750D x .050T
0190	703336	2	SCREW, 5/16-24 x 3/4 Hex Head Cap, GR 5
0200	7090391SM	2	WASHER, 5/16, Internal Lock, Zinc/Clear
0210	703331	2	NUT, 5/16-24, Hex, GR5, Zinc/Clear
0250	7301328YP	1	RAIL, Deck Lift RH
0260	7301329YP	1	RAIL, Deck Lift LH
0270	7400324YP	1	WELDMENT, Rear Lift Arm, RER-RE
0280	7400328YP	1	WELDMENT, Front Lift Arm, Adjustable
0290	1716654SM	1	BOLT, 5/16-18 X 0.75, .50 Shoulder, G5 YZ
0300	704067	1	NUT, Hex Flange, 5/16-18
0310	7301366YP	1	PLATE, Brake OPC
0320	1960103SM	1	WASHER, 3/8"

Seat Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 7800950-02



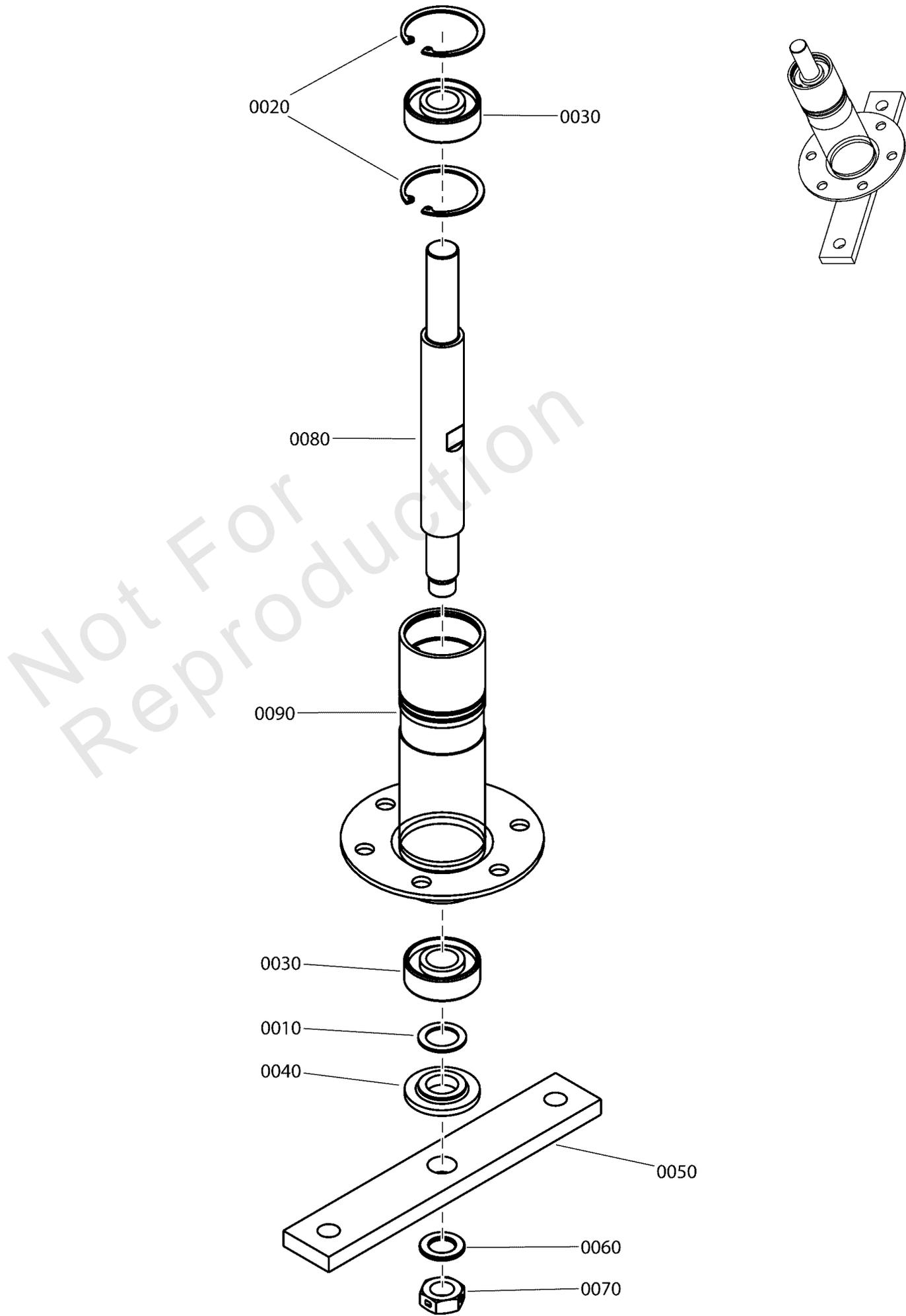
Seat Group

REF NO	PART NO	QTY	DESCRIPTION
0020	7301391BMYP	1	SUPPORT, Seat
0030	1704728SM	2	SPRING, Compression, 19/32 x 2
0050	1709256SM	4	WASHER, Spring, 5/16 x 1 1/4
0100	1751493YP	1	ROD, Seat Pivot, .375 X 13.44 to .109 Hole -Used on early models
0110	703355	1	PIN, 3/8 Cotter Self Locking, Zinc/Clear -Used on early models
0130	1704724SM	2	COVER, Spring 2" Id X 1-1/2", Black Vinyl
0150	703185	3	BOLT, Carriage, 5/16-18 X 3/4
0160	703115	5	NUT, Flange Nylock, 5/16-18
0200	7106013YP	1	SPRING, Compression, 4.57" Free Length
0210	5023274SM	1	CAP, Vinyl, 1.375 X 1
0220	703851	2	BOLT, Shoulder, 5/16-18 x 1 1/8
0230	7023354YP	1	SWITCH, Seat, Push Button (NC)
0240	1754214YP	1	SEAT, 11" High, 18.8" Wide (Black)
0250	1731300SM	4	SPACER, 0.32 ID x 1-1/2 OD x 3/10 THK Powdered Metal Yellow
0260	703298	2	WASHER, 5/16
0270	1930595SM	2	SCREW, Hex Cap Flange Whiz Lock, 5/16-18 x 1-1/4, G5
0280	1752056YP	2	KNOB, 5/16-18 x 3/4 Two Prong

Spindle & Housing Assembly

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 7800950-02



Spindle & Housing Assembly

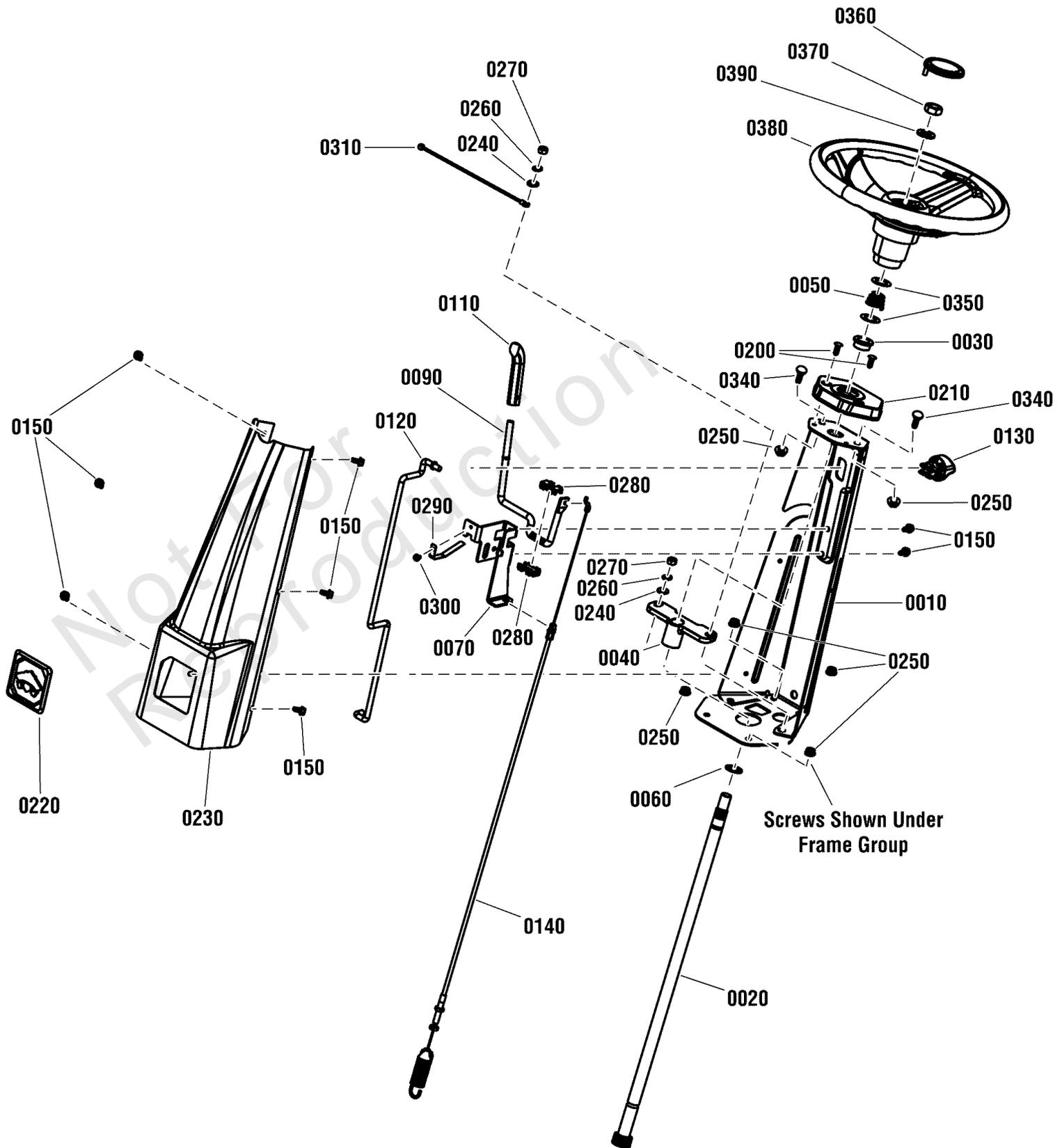
REF NO	PART NO	QTY	DESCRIPTION
0010	7010935SM	1	WASHER, .77 x 1.13 x .06, Flat
0020	7012491SM	2	RING, 1.85", Internal Retaining
0030	7013313SM	2	BEARING, Ball, 1.78 OD, .750 ID, .610 Wide
0040	7014407SM	1	WASHER, Spindle, .75 ID, 1.75 OD, .28 Thick, PM
0050	7031184YP	1	HOLDER, Blade (3 Hole)
0060	7044782YP	1	SPACER, Blade Centering (.63 X 1.05 X .094)
0070	7090356YP	1	NUT, 5/8-18 Hex Center Lock Jam, GR5, ZP
0080	7200147YP	1	SHAFT, Spindle, 9.737"
0090	7400327YP	1	WELDMENT, Spindle Housing (7" Tall)

Not For Reproduction

Steering Tower Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 7800950-02



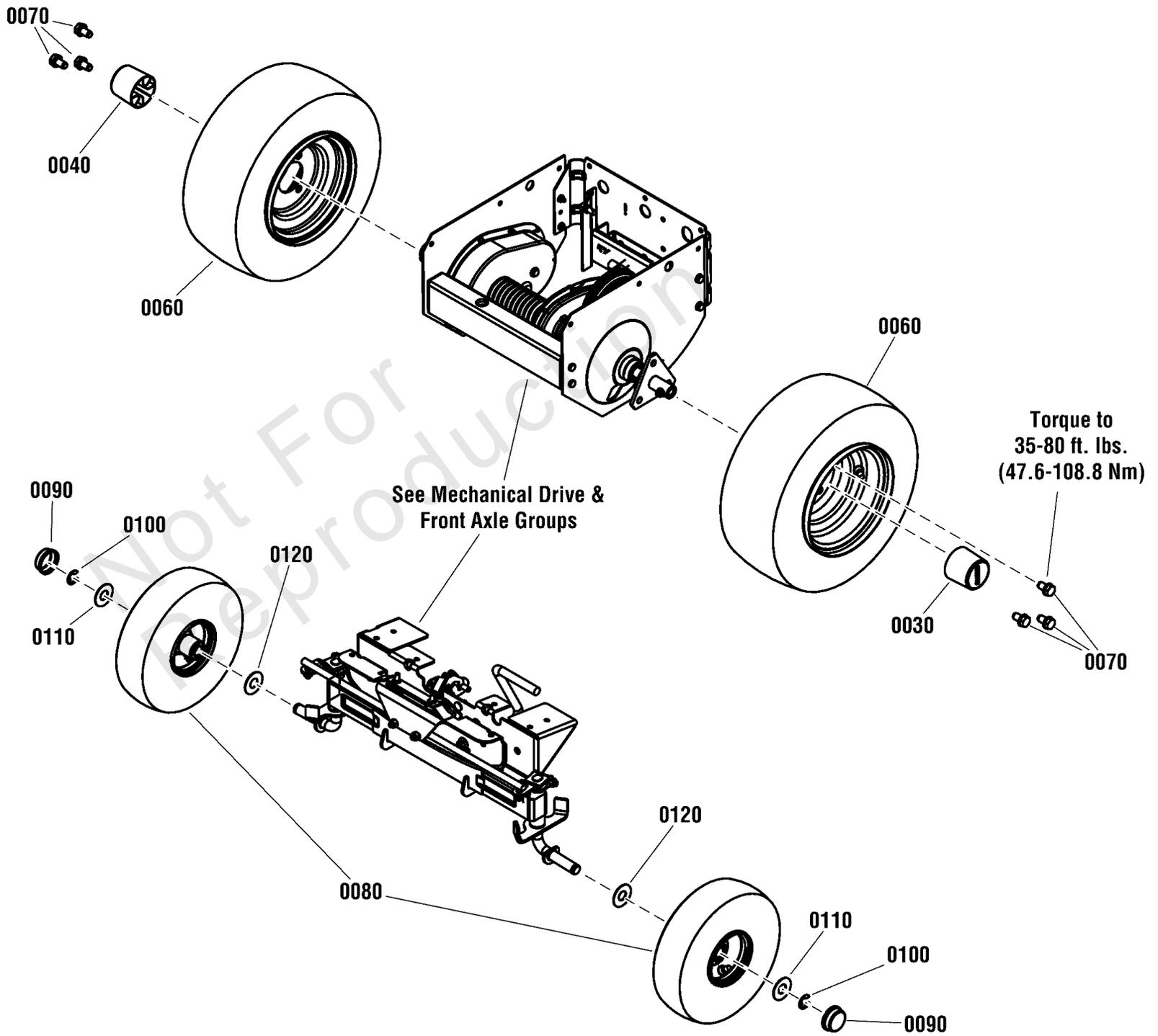
Steering Tower Group

REF NO	PART NO	QTY	DESCRIPTION
0010	7301293BMYP	1	SUPPORT, Steering Column
0020	7105572YP	1	SHAFT, Steering
0030	1729665SM	1	BUSHING, Steering, 3/4 ID
0040	7105751YP	1	BEARING, Steering Shaft, 3/4 ID
0050	7106341YP	1	SPRING, Conical Compression
0060	703151	1	WASHER, .766 ID X 1.06 OD X .07
0070	7301375BMYP	1	BRACKET, Blade Engagement Handle
0090	7105731BMYP	1	LEVER, PTO Engagement
0110	7023657YP	1	GRIP, Handle, 3/8
0120	7105654YP	1	ROD, Parking Brake
0130	7105745YP	1	KNOB, Parking Brake
0140	7105566YP	1	CABLE, Blade Engagement, 40.82"
0150	703953	8	SCREW, Torx Pan Head Self-Tapping, 1/4-20 X 5/8,
0200	7091272YP	2	FASTENER, 1/4 x 3/4 Ratchet
0210	7105597YP	1	COVER, Steering Tower/Support
0220	7105704YP	1	COVER, Plastic - Turtle, Black
0230	7301260DYP	1	TOWER, Steering, Red
0240	703350	2	WASHER, 5/16, Flat SAE, Zinc/Clear
0250	703409	6	NUT, Serrated Lock Flange, 5/16-18
0260	703116	2	WASHER, .32 X .58 X .08, Split Lock, YZ
0270	703465	2	NUT, 5/16-18, GRB, Zinc/Clear
0280	7106027YP	2	BUSHING, PTO Lever, Plastic
0290	7301373YP	1	PADDLE, PTO Lever
0300	704061	1	SCREW, 10-32 x 1/4 Hex Washer Self-Tap, BZ
0310	7106051YP	1	WIRE, RER Head Light Ground
0340	703447	2	BOLT, 5/16-18 X .625, Carriage, GR5, Zinc/Clear
0350	7031965YP	2	WASHER, 1.25 X .765 X .03, Thrust, ZC/CL
0360	1725024SM	1	CAP, Steering Wheel
0370	1960576SM	1	NUT, Hex Lock, ESNA Light, 5/8-18
0380	7105776YP	1	STEERING WHEEL, 13 DIA, 5.87 Dish, 3 Spoke
0380	706337	1	STEERING WHEEL, 13 DIA, 5.87 Deep Dish, 3 Spoke
0390	703580	1	WASHER, 5/8

Wheel Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 7800950-02



Wheel Group

REF NO	PART NO	QTY	DESCRIPTION
0030	7023522YP	1	CAP, Hub, L. H. (.975 ID x 2.25)(Long Axle)
0040	7023895YP	1	CAP, Hub, R. H. (1.35 ID x 2.25)(Short Axle)
0060	7106091YP	2	WHEEL ASSEMBLY, Rear, 16X6.50-8 2P K358 Kenda
0070	703431	6	BOLT, 1/2-20 X .750, Hex Washer Dog Point, Zinc/Clear
0080	7105138YP	2	WHEEL ASSEMBLY, Front, 11X4.00-4, Kenda
----	7011807YP	4	BEARING, Ball, Flanged (3/4 I.D.) -(Not Shown)
----	7012234SM	4	VALVE, Stem & Cap -(Not Shown)
----	703957	2	GREASE FITTING, 1/4-28X31/32 Zinc/Clear -(Not Shown)
0090	094618MA	2	HUB CAP
0100	0011X3MA	2	E-RING, .750D x .050T
0110	17X195MA	2	WASHER, .765 ID, 1.8 OD, .0598 Thk, Flat ZP
0120	7031965YP	2	WASHER, 1.25 X .765 X .03, Thrust, ZC/CL

Not For Reproduction

Hardware Identification & Torque Specifications

Torque Specification Chart								
FOR STANDARD METRIC MACHINE HARDWARE (Tolerance ± 20%)								
Property Class	5.6		8.8		10.9		12.9	
	Class 5.6		Class 8.8		Class 10.9		Class 12.9	
Size Of Hardware	in/lbs	Nm.	in/lbs	Nm.	in/lbs	Nm.	in/lbs	Nm.
	ft/lbs		ft/lbs		ft/lbs		ft/lbs	
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

Torque Specification Chart						
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)						
Hardware Grade	No Marks		SAE Grade 5		SAE Grade 8	
	SAE Grade 2		SAE Grade 5		SAE Grade 8	
Size Of Hardware	in/lbs	Nm.	in/lbs	Nm.	in/lbs	Nm.
	ft/lbs		ft/lbs		ft/lbs	
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

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

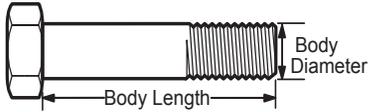


Nut, M8

Thread Diameter (mm)

Inside Diameter (in) Threads per inch

Nut, 1/2-16



Screw, M8- 1.25 x 25

Thread Diameter (mm) Distance between threads (mm) Body Length (mm)

Body Diameter Threads per inch Body Length (in)

Screw, 1/2- 16 x 2



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).

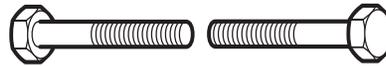
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

NOTES

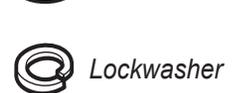
- These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- Recommended seating torque values for locknuts:
 - for prevailing torque locknuts - use 65% of grade 5 torques.
 - for flange whizlock 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

Hex Head Capscrew



Washer



Carriage Bolt



Hex Nut

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

