



Parts Manual

Mfg. No: 2690970
MF130, 24HP Hydro and 46" Mower Deck

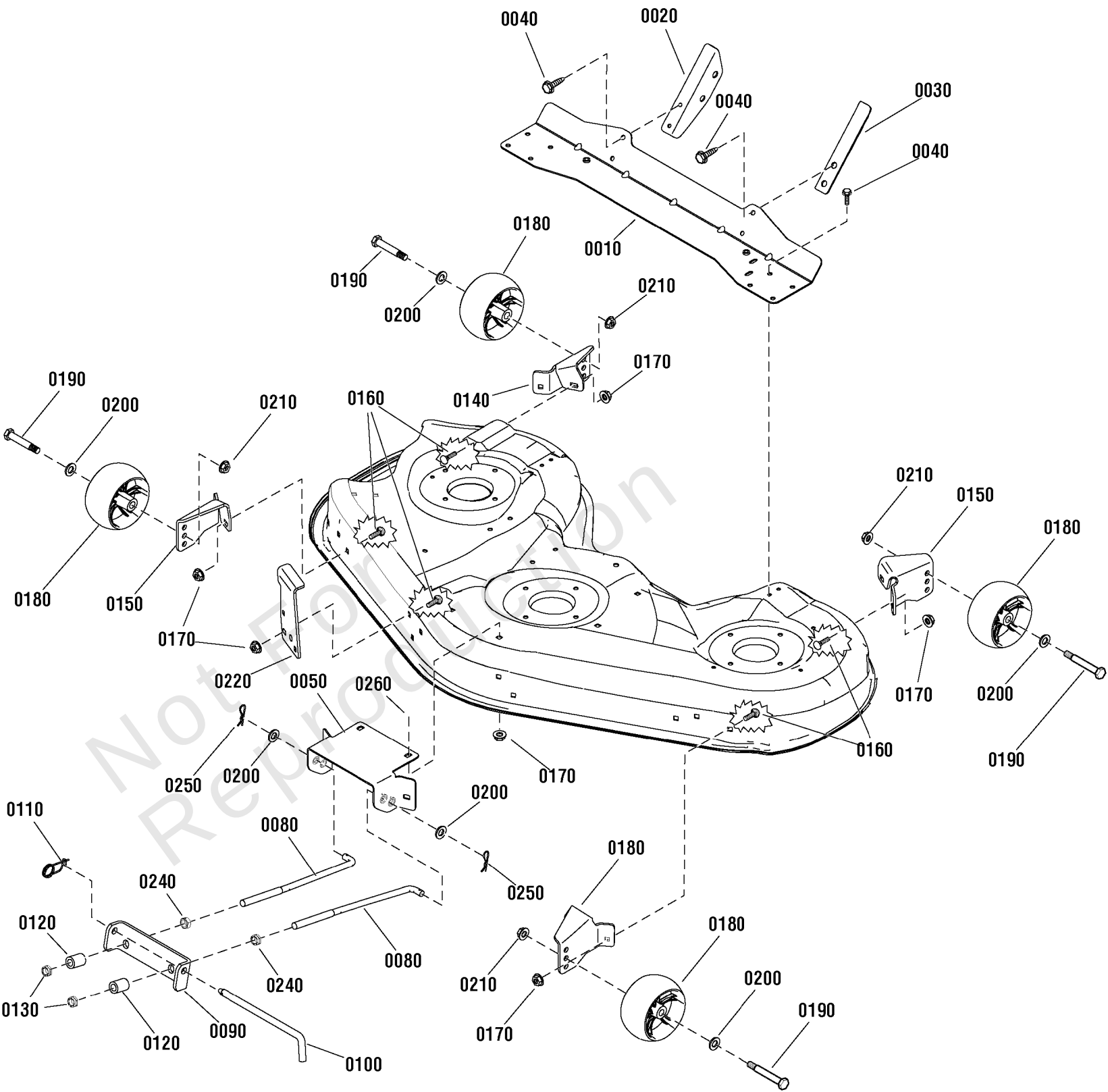
Model Components	Page
46" & 52" Mower Deck - Height Adjustment Group.	4
46" Mower Deck - Clutch Group.	6
46" Mower Deck - Housing, Arbors & Blades Group.	8
Controls Group.	10
Decals Group - Brand, Safety & Common.	12
Electrical Group.	14
Engine Group - 19.5HP Single & 23HP Twin.	18
Frame & Front Axle Group.	22
Hood, Grille & Dash Group.	24
Lift Group - Manual.	26
Seat Deck & Fuel Tank Group - EVAP Compliant.	28
Steering Group.	30
Transmission Group - Hydro Gear.	32
Transmission SERVICE PARTS - Hydro-Gear.	34
Wheel & Tire Group.	38
Torque Specification Chart.	40

Not For
Reproduction

46" & 52" Mower Deck - Height Adjustment Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2690970



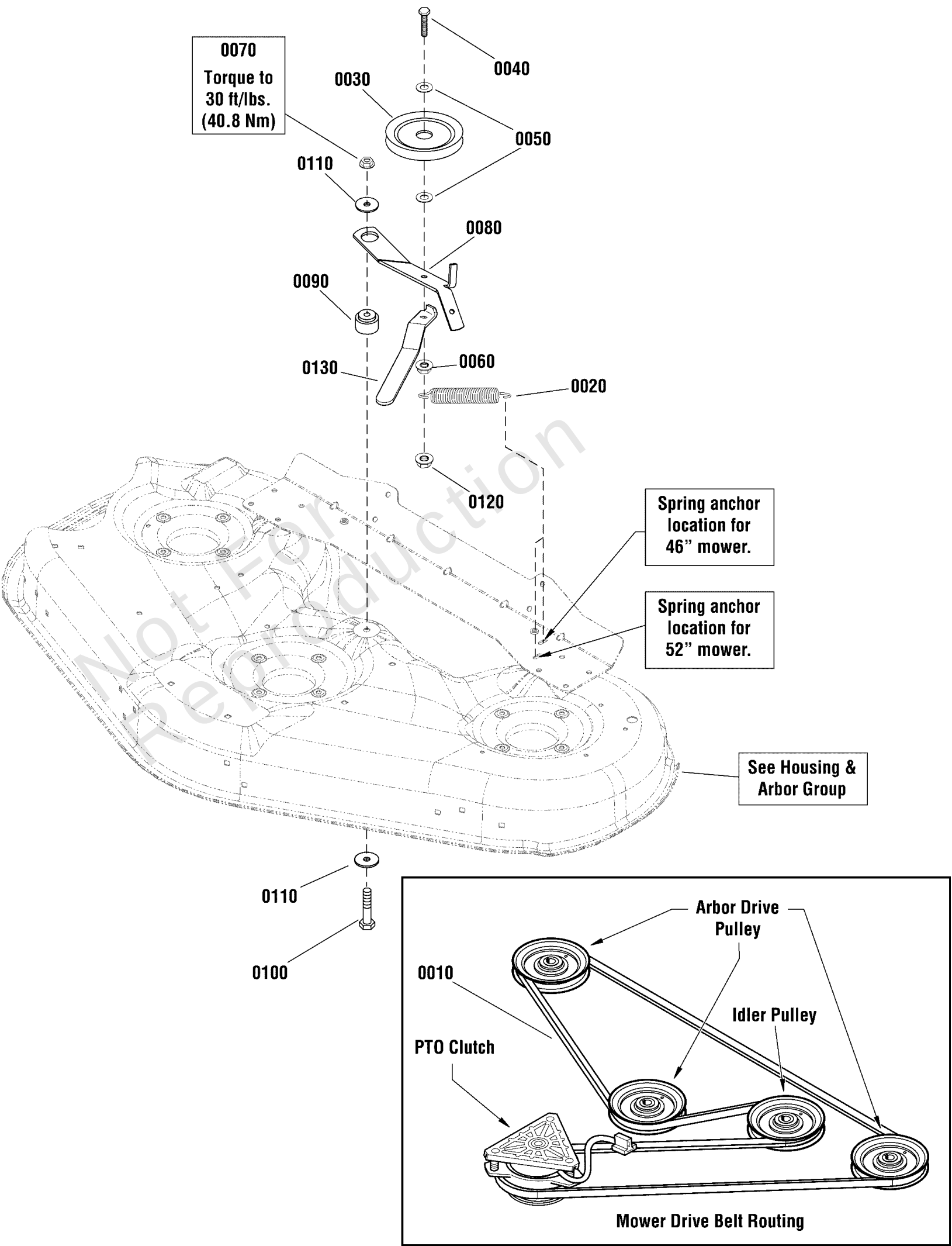
46" & 52" Mower Deck - Height Adjustment Group

REF NO	PART NO	QTY	DESCRIPTION
0010	1736070BMYP	1	SUPPORT, Rear Cross
0020	1736072AYP	1	BRACKET, Rear Mower Pickup
0030	1736073AYP	1	BRACKET, Rear Mower Pickup
0040	1960373SM	8	SCREW, Hex Washer Head, Taptite, 5/16-18 x 1
0050	1736071BMYP	1	HITCH, FRONT
0080	1736081YP	2	ROD, Front Bail
0090	1737059AYP	1	HANGER, Front Mower
0100	1731414SM	1	ROD, Latch
0110	2176012SM	1	RETAINER, Pin Spring
0120	1679166SM	2	SPACER, 1/2 x 7/8 x 1 3/16
0130	1960379SM	2	NUT, Hex Lock, 1/2-13
0140	1736074BMYP	2/1	BRACKET, GAUGE WHEEL -(Qty 2 on Tuff Torque Model)
0150	1736075BMYP	2/1	BRKT, GAUGE WHEEL, LH -(Qty 2 on Tuff Torque Model)
0160	1931334SM	11/7	BOLT, Carriage, 5/16-18 x 7/8 G5 -(Qty 11 on Tuff Torque Model)
0170	1931277SM	13/9	NUT, Hex Flange, Whiz Lock, 5/16-18 -(Qty 13 on Tuff Torque Model)
0180	1736896YP	4/2	WHEEL, GAUGE -(Qty 4 on Tuff Torque Model)
0190	1736539YP	4/2	BOLT, SHOULDER -(Qty 4 on Tuff Torque Model)
0200	1960170SM	6/4	WASHER, 1/2 -(Qty 6 on Tuff Torque Model)
0210	1960687SM	4/2	NUT, Hex Flange, Esna, 3/8-16 -(Qty 4 on Tuff Torque Model)
0220	1736991AYP	1	UP STOP
0240	1913744SM	2	NUT, Hex Jam, 1/2-13
0250	1960074SM	2	CLIP, HAIR PIN .093DI
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: 2690970



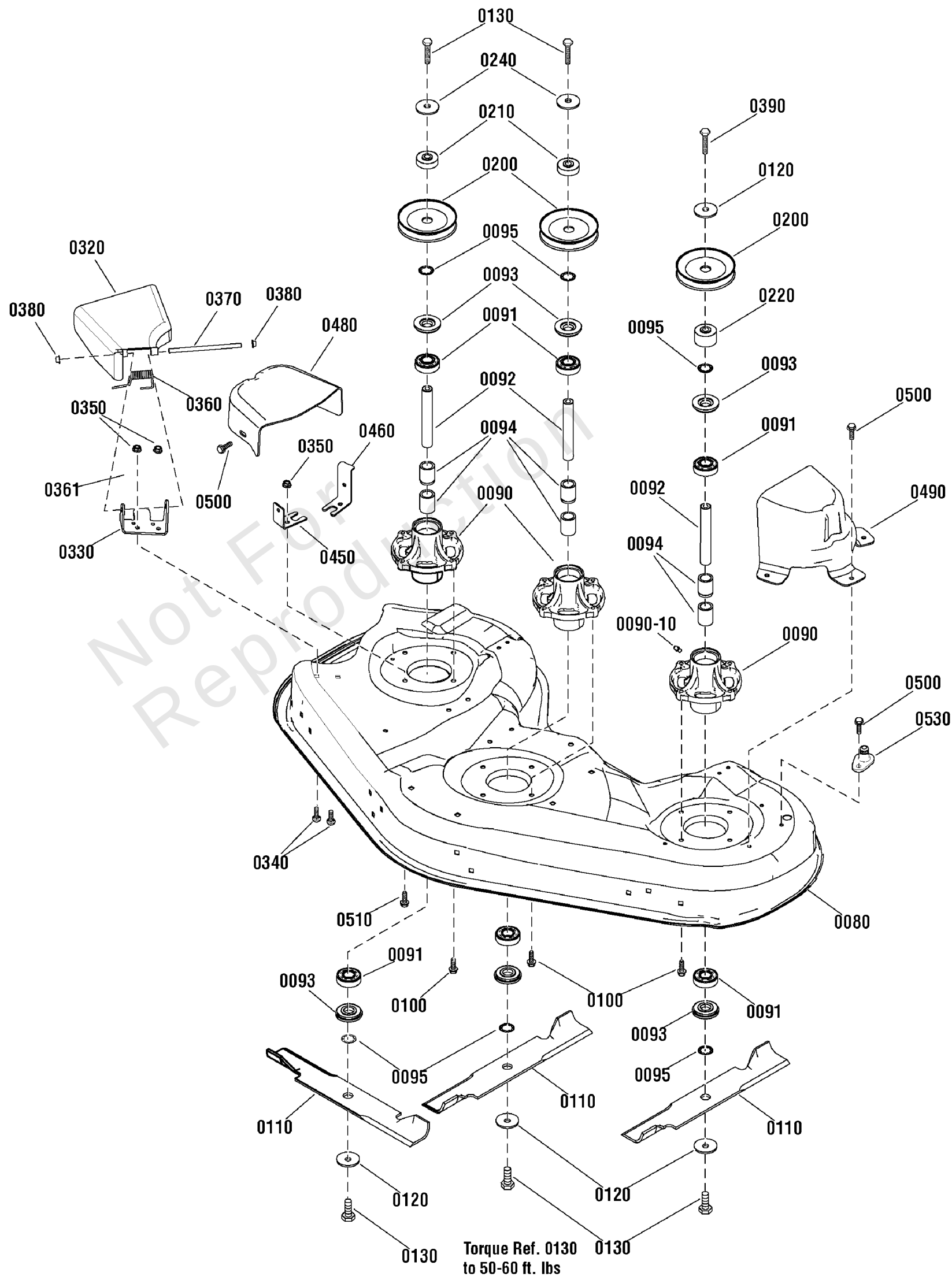
46" Mower Deck - Clutch Group

REF NO	PART NO	QTY	DESCRIPTION
0010	1732956SM	1	V-BELT, Arbor Drive, .44" A-Wedge Deep-Groove -(Use on Ground Following Decks)
0010	1719911SM	1	V-BELT, HA 117" -(Use on Frame Hung Decks)
0020	1715772SM	1	SPRING, Extension
0030	1736540YP	1	PULLEY, Idler
0040	1933685SM	1	CAPSCREW, Hex Head, 3/8-16 x 2-1/2 G5
0050	1922755SM	2	WASHER, 3/8
0060	1931211SM	1	NUT, Hex Flange, Whiz Lock, 3/8-16
0070	1960339SM	2	NUT, Hex Flange, Whiz Lock, 3/8-16
0080	1736551AYP	1	ARM, Idler
0090	1729007SM	1	SPACER, 1-1/2
0100	1923701SM	1	CAPSCREW, Hex Head, 3/8-16 x 2 G5
0110	1924356SM	2	WASHER, 3/8

46" Mower Deck - Housing, Arbors & Blades Group

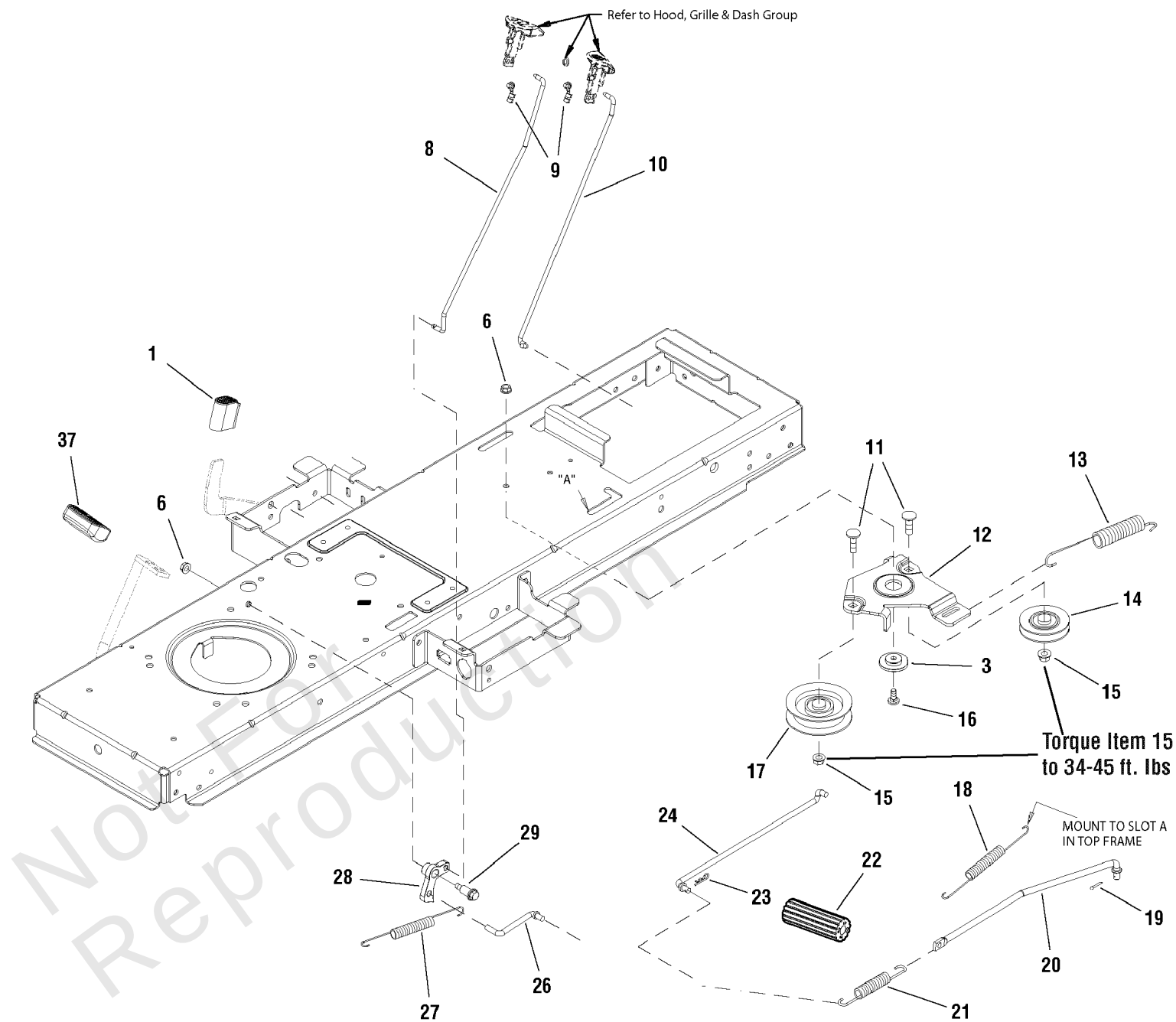
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2690970



46" Mower Deck - Housing, Arbors & Blades Group

REF NO	PART NO	QTY	DESCRIPTION
0080	1735734D	1	HOUSING, Mower, 46"
0090	1735573	3	HOUSING, Spindle
0090-10	1704314	3	FITTING, Lube
0091	1735399	6	BEARING, Ball
0092	1735326	3	SHAFT, Spindle
0093	1735323	6	SHIELD, Arbor
0094	1735328	6	SPACER, Bearing
0095	1960766	6	RING, Self Locking
0100	1960373	11	SCREW, Hex Washer Head, Taptite, 5/16-18 x 1
0110	1737228A	3	BLADE, Mower, 16.125 Long
0120	1656916	4	WASHER, Spring
0130	1920676	5	CAPSCREW, Hex Head, 7/16-14 x 1 G5
0200	1735686	3	PULLEY, 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
0330	1736365A	1	PIVOT, Hinge
0340	1931333	2	BOLT, Carriage, 5/16-18 x 3/4 G5
0350	1931277	4	NUT, Hex Flange, Whiz Lock, 5/16-18
0360	1736364	1	SPRING, Torsion, Deflector
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	1736518BM	1	BRACKET, Belt Cover, Front
0460	1736519BM	1	BRACKET, Belt Cover, Rear
0480	1735752	1	COVER, Belt, Right
0490	1735750	1	COVER, Belt, Left
0500	1664847SM	3	SCREW, Hex Washer Head, Taptite, 5/16-18 x 3/4
0510	1930600	2	SCREW, Hex Washer Head, Taptite, 5/16-18 x 1-1/2
0520	1736898	1	WASHOUT PORT, Connector
0530	1735716	1	ADAPTER, Washout Port



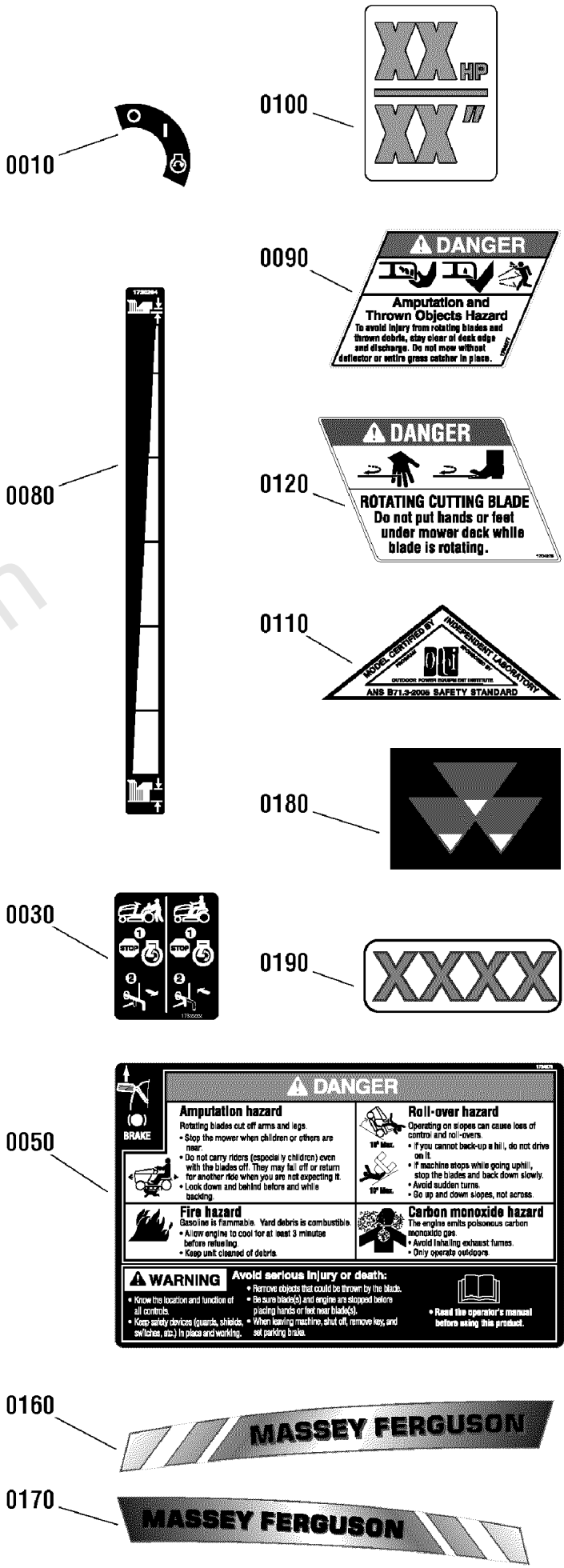
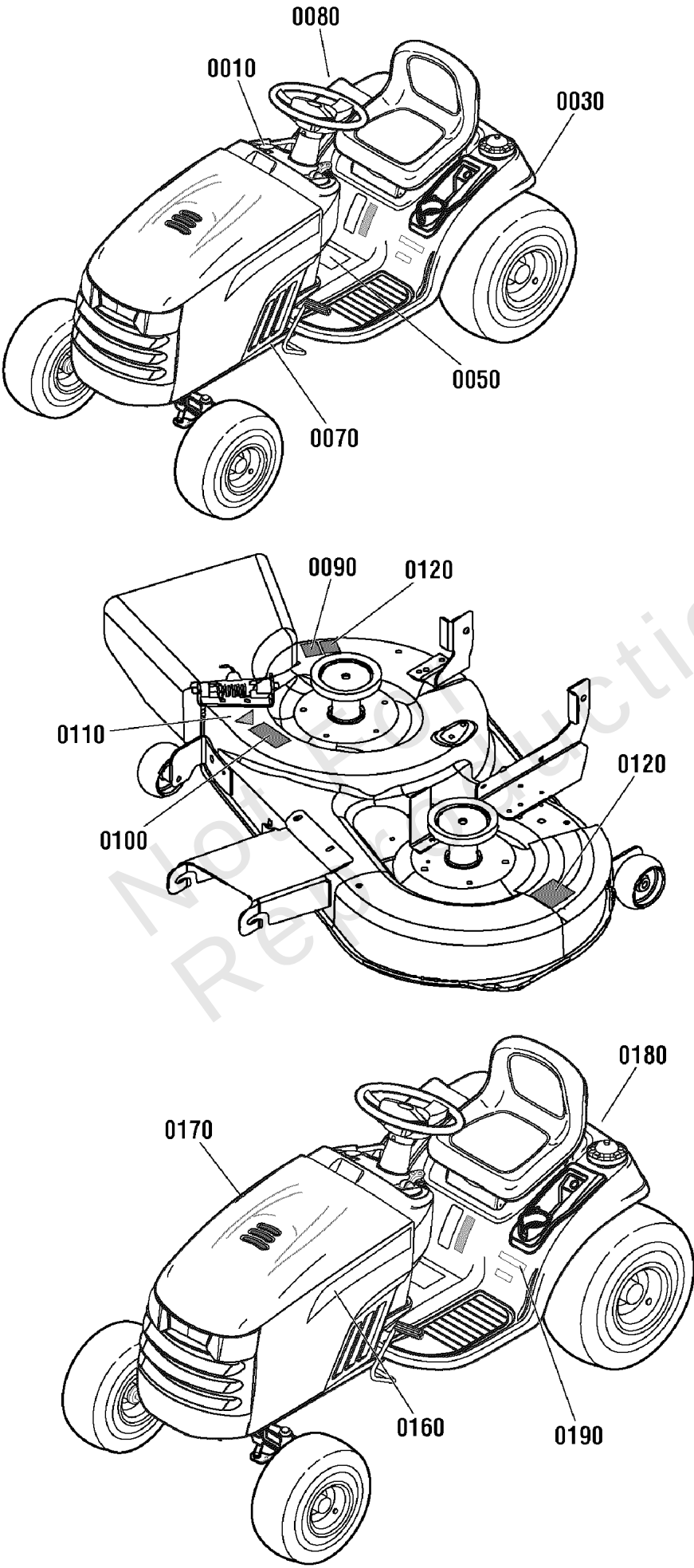
Controls Group

REF NO	PART NO	QTY	DESCRIPTION
1	1727259	1	PAD, Foot Pedal Reverse
3	1727935	1	SPACER, Pivot 0.330ID 1.76OD .37TH
6	1931277	2	NUT, Hex, Flange Whizlock, 5/16-18
8	1727898	1	ROD, Cruise Latch, 16.97LG
9	1728111	2	CLIP, Linkage, Black
10	1727267	1	ROD, Parking Brake, 16.38 LG
11	1931352	2	BOLT, Carriage, 3/8-16 x 1-1/2
12	1727894	1	BRACKET, Idler
13	1729620	1	SPRING, Extension 07.52
14	1728001	1	PULLEY, 3 OD Plastic
15	1960687	2	NUT, Hex Flange, ESNA, 3/8-16
16	1931335	1	BOLT, Carriage, Short Neck, 5/16-18 x 1
17	1728000	1	PULLEY, Idler
18	1721995	1	SPRING, Extension
19	1918447	1	PIN, Cotter 3/32 x 3/4
20	1727253	1	ROD, Brake, 15.1"
21	1731262	1	SPRING, Extension 5-3/8"
22	1727261	1	PEDAL, Brake Rubber
23	1722460	1	PIN, Quick
24	1727254	1	ROD, Brake Return, 12.60 LG
26	1727899	1	ROD, Cruise Latch, 2.83 LG
27	2159181	1	SPRING, Tension, Clutch
28	1727897	1	LATCH, Cruise
29	1728976	1	BOLT, Shoulder, 5/16-18 G5
37	1721675	1	PAD, Foot Pedal Forward

Decals Group - Brand, Safety & Common

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2690970



Decals Group - Brand, Safety & Common

REF NO	PART NO	QTY	DESCRIPTION
0010	1722806	1	DECAL, Ignition Switch Symbol, White/Black
0030	1730202	1	DECAL, Transmission Tow/ Release Lever
0050	1734879	1	DECAL, Tunnel
0070	-----	1	DECAL, ID Plate
0080	1730264	1	DECAL, Height Of Cut
0090	1704277	1	DECAL, Danger, Deflector in Place
0100	1751933	1	DECAL, 23HP, 42"
0100	1737540	1	DECAL, 46"
0110	-----	1	DECAL, OPEI
0120	1704276	1	DECAL, Danger, Hand Under Deck
0150	-----	1	DECAL, Patent
0160	1731394	1	DECAL, Massey, LH Hood Stripe
0170	1731395	1	DECAL, Massey, RH Hood Stripe
0180	1714363	1	DECAL, Massey Ferguson
0190	1728053	1	DECAL, 2518, Gray/Clear
0190	1731958	1	DECAL, 2520, Gray/Clear
0190	1731959	1	DECAL, 2522, Gray/Clear

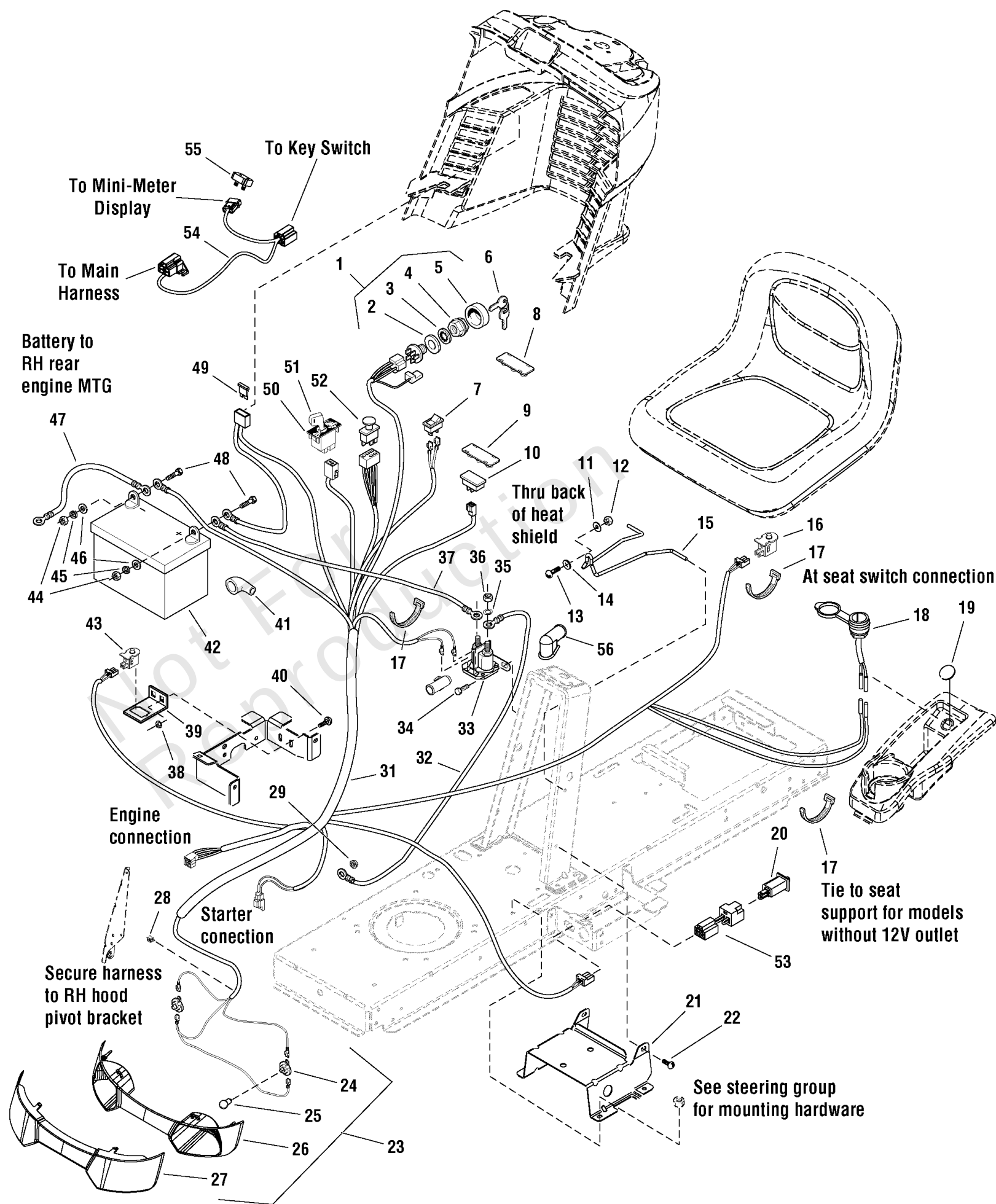
Footnotes:

Note:* Not a serviceable part.

Electrical Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2690970



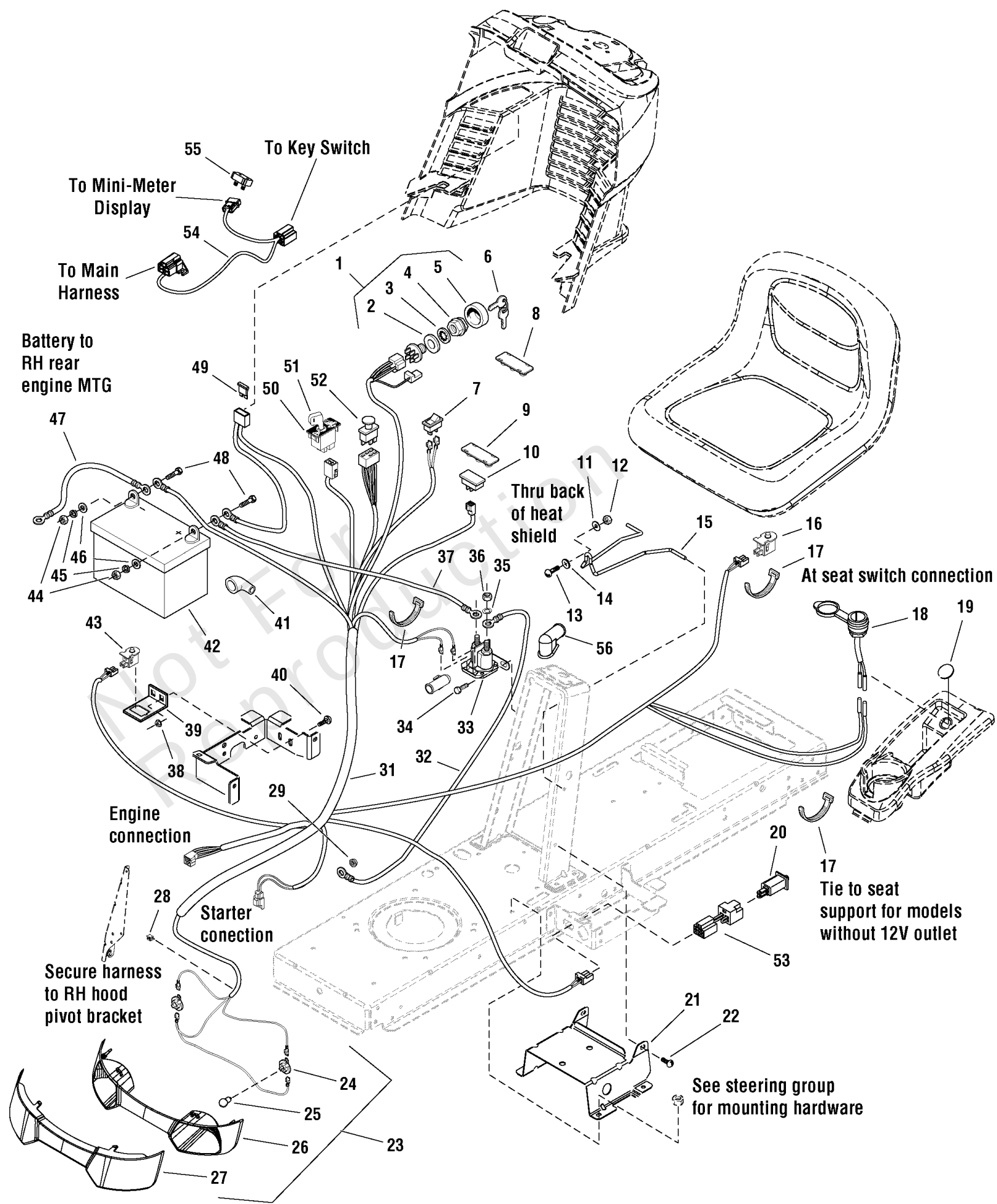
Electrical Group

REF NO	PART NO	QTY	DESCRIPTION
1	1686734	1	SWITCH ASSEMBLY, Ignition, 6-Pole -(Includes Ref. Nos. 2, 3, 4 & 5)
2	2101025	1	WASHER, 5/8
3	1960547	1	LOCKWASHER, Internal Tooth, 5/8 -(Not used on 2014 & newer models)
4	1717549	1	NUT, Hex, Flange, 5/8-32
5	1717550	1	COVER, Ignition
6	1717163	1	IGNITION KEY (Set of 2)
7	1716951	1	SWITCH, Headlights, 2 Terminal
8	1722611	1	PLUG, Hole, Square
9	1729993	1	PLUG, Hour Meter -(Kohler and B&S Single)
10	1728068	1	METER, Hour, LCD -(B&S V-Twin Only)
11	1960353	1	WASHER, Plain, 1/4 -(6 Total for Export)
12	1920397	1	NUT, Hex, ESNA, 1/4-20
13	1931318	1	BOLT, Carriage, 1/4-20 x 7/8
14	1960518	1	NUT, Push On
15	1730007	1	HOLD DOWN, Battery
16	1732005	1	SWITCH, Push Button (NC)
17	1701011	3	TIE, Self Locking 7-5/16
18	7073090	1	OUTLET, 12 Volt DC Power
19	1732007	1	PLUG, Hole Models W/O 12V Adapter
20	7022886	1	SWITCH, DP NO/NC SNAP-IN -(18.5 Gross HP & 20 Gross HP Models)
20	1732006	1	SWITCH, Push Button (NO/NC) -(22 Gross HP Models)
22	1930601	4	CAPSCREW, Hex Washer Head, Taptite, 5/16-18 x 5/8
23	1727296	1	HEADLIGHT ASSEMBLY -(Includes Ref. Nos. 24, 25, 26 & 27)
24	1723451	2	SOCKET ASSEMBLY
25	1677371	2	BULB, 1141-12V 21CP
26	1728973	1	REFLECTOR, Headlight
27	1728974	1	LENS, Headlight
28	2834683	1	CLIP, Speed Wire -(18.5 Gross HP & 20 Gross HP Models)
28	2172434	1	CLIP, Speed Wire -(22 Gross HP Models)
29	1960294	1	NUT, Hex, Flange, 1/4-20
31	1728097	1	HARNESS, Wiring -(Use with Clutch 1731275SM)
31	1737044	1	HARNESS, Wiring -(Use With Clutch 1736105SM) (Used on models with 12 Volt Adapter)
31	1739597	1	HARNESS, Wiring -(Use With Clutch 1736105SM) (Used on models without 12 Volt Adapter)
32	1721830	1	CABLE, Solenoid to Starter
33	1728963	1	SOLENOID
34	1925003	2	SCREW, Taptite, 1/4-20 x 1/2
35	2820426	2	LOCKWASHER, External Tooth, 5/16
36	2820263	2	NUT, Hex, 5/16-24 NF
37	1716549	1	CABLE, #6 x 10 Long, with 2 Ring Terminals, Battery to Solenoid
38	1931277	2	NUT, Hex, Flange Whizlock, 5/16-18
39	1728026	1	SUPPORT, RMO Switch
40	1931333	2	BOLT, Carriage, 5/16-18 x 3/4

Electrical Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2690970



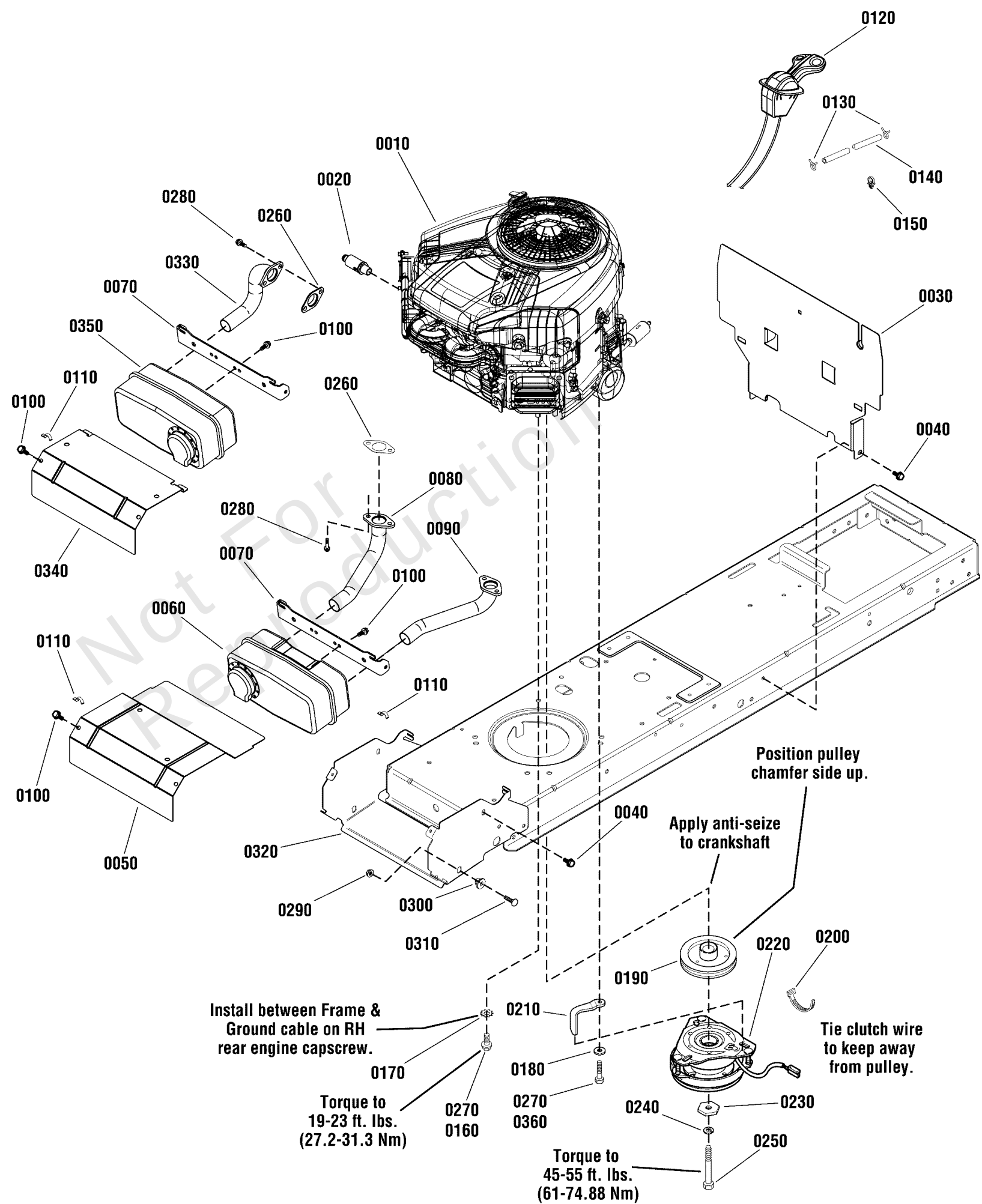
Electrical Group

REF NO	PART NO	QTY	DESCRIPTION
41	1677296	1	BOOT, Insulator
42	1685215	1	BATTERY, 12 Volt, 230 CCA
43	1732004	1	SWITCH, Push Button, NO, Black
44	2816622	2	NUT, Hex, Full, 1/4-20
45	2816964	2	LOCKWASHER, 1/4
46	2821319	2	WASHER, 1/4 I.D.
47	1713163	1	CABLE, Battery to Ground
48	2823341	2	CAPSCREW, Hex Head, 1/4-20 x 3/4
49	1731957	1	FUSE, Wiring Harness
50	1726556	1	SWITCH, RMO Module Only
51	1726557	2	KEY, RMO Module, Plastic
52	1722887	1	SWITCH-PTO PUSH
53	1734025	1	WIRING ASSEMBLY, All Conditions Shutdown -(CE/Export)
54	1759898YP	1	HARNESS, Mini Meter Adapter -(SLT250 Models only)
55	1758654YP	1	DISPLAY, Mini Meter -(SLT250 Models only)
56	1713535SM	1	BOOT, Insulator Cable Terminal, 1-15/16 Long, Red

Engine Group - 19.5HP Single & 23HP Twin

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2690970



Engine Group - 19.5HP Single & 23HP Twin

REF NO	PART NO	QTY	DESCRIPTION
0010	44L777-0110-G5	1	* ENGINE, 23HP Briggs & Stratton V-Twin -(Engine Model: 44L777-0110-G5)
0010	44M7772-2166-G5	1	** ENGINE, 24 HP Kohler Courage Twin Spec #PS-SV720-0031 -(Engine Model: 44M7772-2166-G5)
0020	1717473	1	VALVE, Shut Off Oil drain
0030	1728058A	1	HEAT SHIELD, Engine
0040	1930601	8	CAPSCREW, Hex Washer Head, Taptite, 5/16-18 x 5/8
0050	1737269A	1	HEAT SHIELD, Twin -23 HP Model
0060	1727994	1	MUFFLER, Twin -23 HP Model
0070	1727976A	1	SUPPORT, Heat Shield, Muffler -19.5 HP Model
0070	1737270A	1	SUPPORT, Heat Shield, Muffler -23 HP Model
0080	1736852	1	EXHAUST PIPE, R.H. -23 HP Model
0090	1736853	1	EXHAUST PIPE, L.H. -23 HP Model
0100	1925003	4	CAPSCREW, Hex Washer Head, Taptite, 1/4-20 x 1/2
0110	2834683	1	WIRE CLIP
0120	1734504	1	THROTTLE CONTROL -19.5 HP Model
0120	1737766	1	DUAL CONTROL ASSEMBLY -23 HP Model
0130	93053	2	HOSE CLAMP
0140	1734993	1	HOSE, Fuel, 55"
0150	1730268	2	CLIP, Hose, Plastic
0160	2827187	2	CAPSCREW, Hex Washer Head, Taptite, 3/8-16 x 1
0170	2820427	1	LOCKWASHER, External Tooth, 3/8
0180	1924940	1	WASHER, 3/8 x 7/8 OD
0190	1732576	1	PULLEY & HUB ASSEMBLY
0200	1701011	2	TIE, Self Locking, 7.31LG
0210	1737421A	1	GUIDE, Belt
0220	1736105	1	CLUTCH, Electric
0230	1708264	1	WASHER, Hex, 7/16 x 1-1/2 OD
0240	1918199	1	LOCKWSHER, Spring, .7/16
0250	1960649	1	CAPSCREW, Hex Head, 7/16-20 x 3-1/2, G5
0260	1731214	1	GASKET, Exhaust -19.5 HP Model
0270	2828635	1	CAPSCREW, Hex Washer Head, Taptite, 3/8-16 x 1-1/4
0280	94480	2	CAPSCREW, Hex SEMS Lock Washer Head, Taptite, 5/16-18 x 7/8 -19.5 HP Model
0290	1931277	2	NUT, Hex Flange Whiz Lock, 5/16-18
0300	1728086	2	PIVOT, Hood
0310	1931335	2	BOLT, Carriage, Short Neck, 5/16-18 x 1
0320	1727982A	1	SUPPORT, Muffler & Hood Pivot
0330	1728959	1	EXHAUST PIPE
0340	1727996A	1	HEAT SHIELD, Single -19.5 HP Model
0350	1727993	1	MUFFLER, Single -19.5 HP Model

Footnotes:

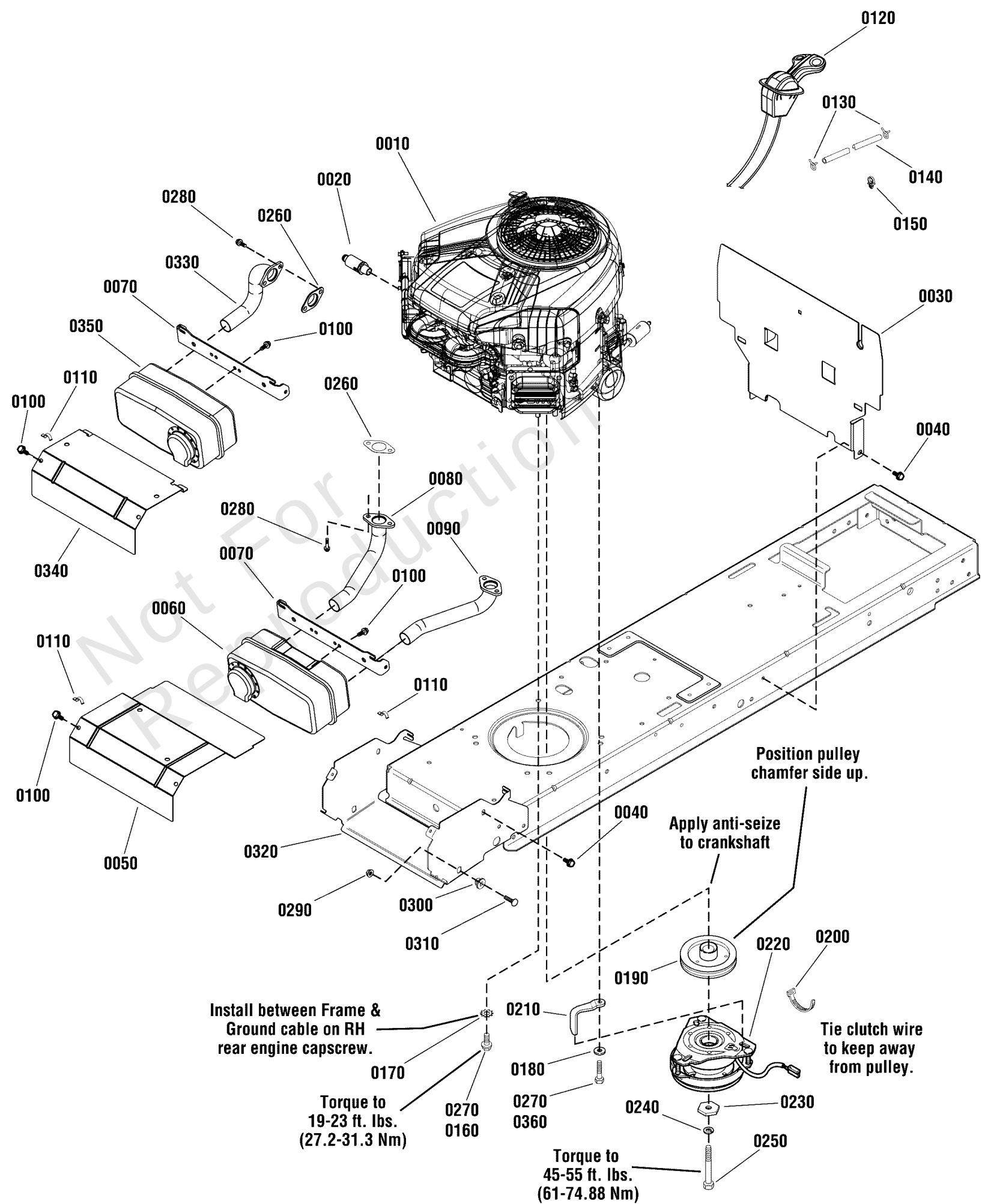
Note:** See your local Kohler distributor for parts and service.

Note:* See your local Briggs & Stratton distributor for parts and service.

Engine Group - 19.5HP Single & 23HP Twin

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2690970



Engine Group - 19.5HP Single & 23HP Twin

REF NO	PART NO	QTY	DESCRIPTION
0360	704010	1	SCREW, HEX, 3/8-16 -23 HP Model

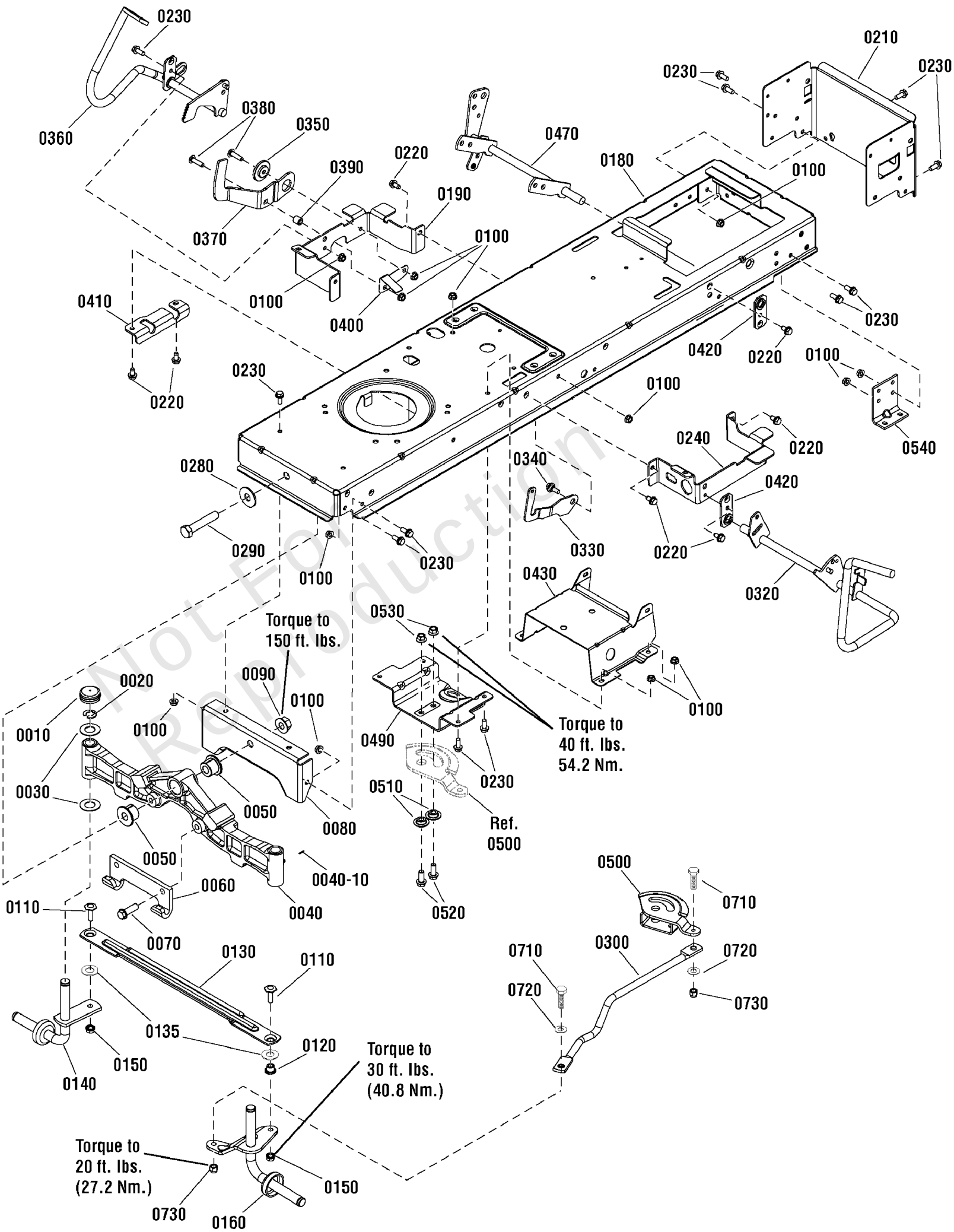
Not For
Reproduction

Footnotes:
Note:** See your local Kohler distributor for parts and service.
Note:* See your local Briggs & Stratton distributor for parts and service.

Frame & Front Axle Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2690970



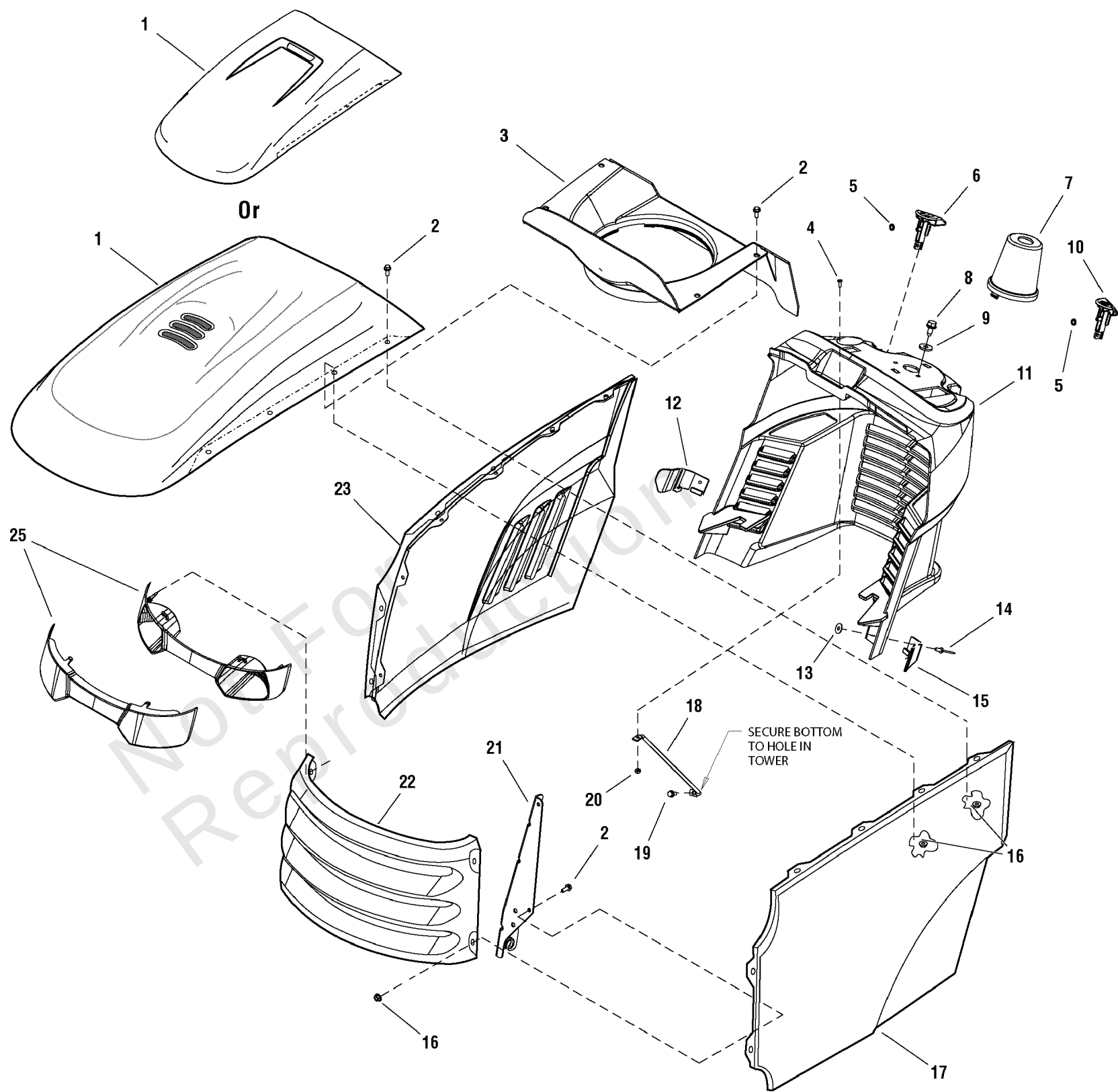
Frame & Front Axle Group

REF NO	PART NO	QTY	DESCRIPTION
0010	1734135	2	CAP, Hub
0020	1611710	2	RING, Klipring Extension
0030	2860183	4	WASHER, 3/4
0040	1728018	1	AXLE, Front Iron Casting Machined
0040-10	1704314	3	FITTING, Zerk
0050	1730186	2	BUSHING, Axle Pivot
0060	1721918A	1	HOOK, "J"
0070	1960652	2	CAPSCREW, 7/16-14 x 1-1/2
0080	1727902	1	PLATE, Axle Support
0090	2860646	1	NUT, Hex Flange Two-Way Lock, 5/8-11
0100	1931277	24	NUT, Hex, Flange Whizlock, 5/16-18
0110	1960032	2	CAPSCREW, Hex Head, 3/8-16 x 1-1/4, .141 Thread G5
0120	1731912	2	BUSHING, Powdered Metal
0130	1751964	1	ROD, Tie
0135	1960703	1	WASHER, 5/8, 1 O.D.
0140	1727872A	1	SPINDLE & CUP ASSEMBLY, R.H.
0150	1930645	2	NUT, Hex, Flange, Locking, 3/8-16
0160	1751922	1	SPINDLE & STEERING ARM ASSEMBLY, L.H.
0180	1750275	1	FRAME -(Not A Serviceable Part)
0190	1727904	1	SUPPORT, Front Footrest R.H.
0210	1750989	1	SUPPORT, Rear Frame
0220	1930601	9	SCREW, Taptite, 5/16-18 x 5/8
0230	1930591	14	CAPSCREW, Hex Head, Flange Whiz Lock, 5/16-18 x 3/4
0240	885536	1	SUPPORT, Front Footrest L.H.
0280	1960035	1	WASHER, Flat, 5/8
0290	2860744	1	CAPSCREW, Hex Head, 5/8-11 x 3-1/4 G5
0300	1738051	1	LINK, Drag
0320	1736404A	1	PEDAL ASSEMBLY, Brake
0330	1735595A	1	LATCH, Brake Lock
0340	1729576	1	BOLT, Shoulder, 5/16-18 x 1-1/8
0350	1727935	1	SPACER, Pivot
0360	1736714A	1	PEDAL ASSEMBLY, Forward
0370	1727246	1	PEDAL, Reverse
0380	1960223	2	BOLT, Carriage, 5/16-18 x 1-1/4
0390	1728024	2	SPACER, Foot Pedal
0400	1728025	1	ACTUATOR, RMO Switch
0410	1727909	1	BRACKET, Pedal Pivot
0420	1727911A	2	PLATE, Bearing
0430	1727282	1	SUPPORT, Battery
0470	1737957	1	LIFT SHAFT ASSEMBLY
0490	1727940	1	BRACKET, Sector Support
0500	1751110	1	GEAR, Steering
0510	1728122	2	SPACER, Sector Gear
0520	1934654	2	SCREW, Hex Flange, Whiz Lock, 3/8-16 x 1
0530	1930645	2	NUT, Hex Flange, Two-Way Locking, 3/8-16
0540	1727903	1	SUPPORT, Transmission
0710	1921977	2	CAPSCREW, Hex Head, 5/16-18 x 1-1/4, G5
0720	1924874	2	WASHER, 5/16 x 7/8 O.D.
0730	1935048	2	NUT, Hex Flange, Two Way Locking, 5/16-18

Hood, Grille & Dash Group

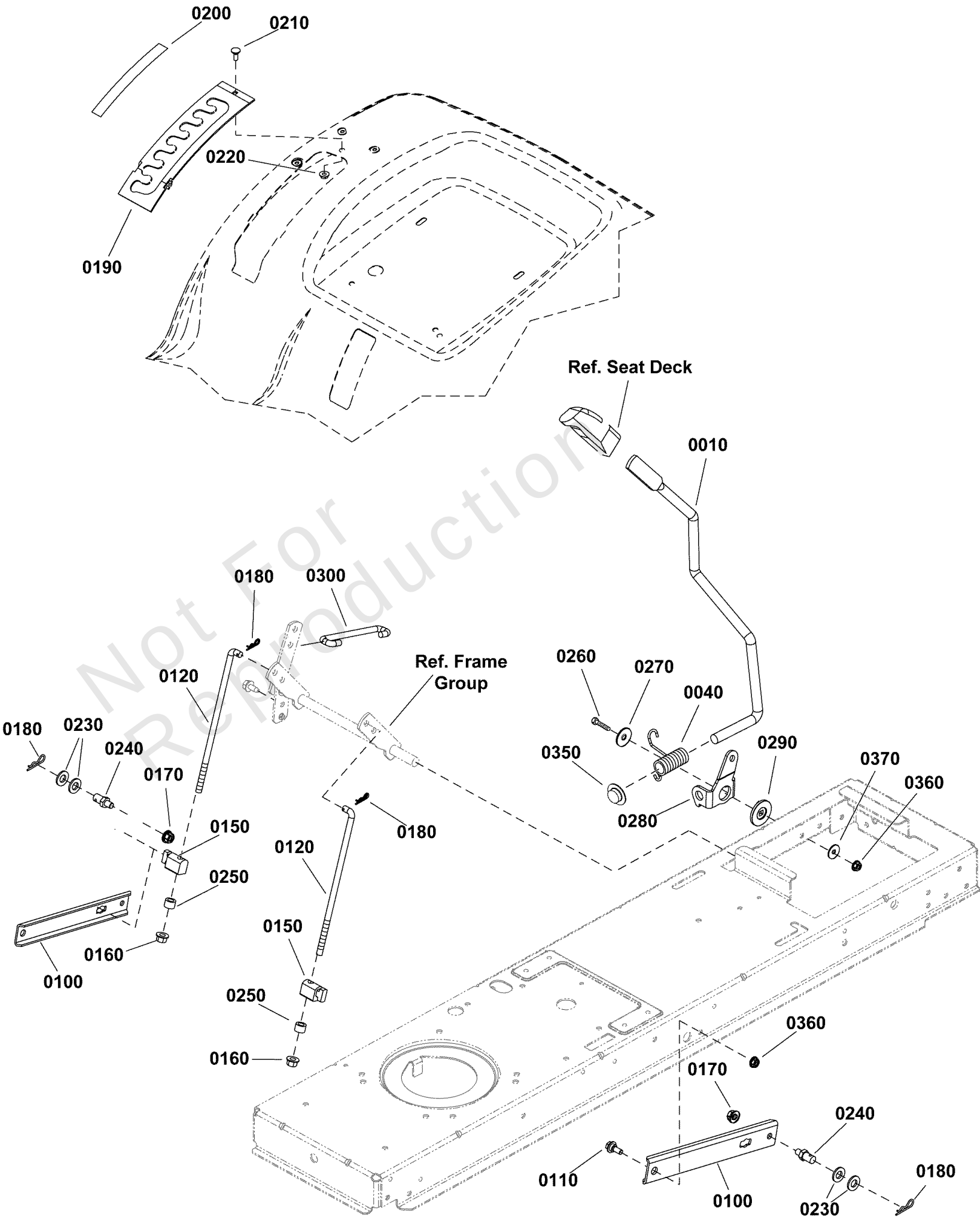
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2690970



Hood, Grille & Dash Group

REF NO	PART NO	QTY	DESCRIPTION
1	1728031D	1	HOOD, with Scoop -(Red - Use on Massy Ferguson Models)
1	1722110C	1	HOOD, with Louver -(Orange - Use on Simplicity Models)
2	1960295	12	CAPSCREW, Whizlock, 1/4-20 x 5/8
3	7102326	1	DUCT, Air Inlet Plastic
4	1960392	1	SCREW, Phillips Head
5	1960518	2	NUT, Push Pal
6	1728090	1	KNOB, Cruise Lock Green Plastic
7	1727999	1	COVER, Steering Shaft Plastic
8	1664847SM	2	CAPSCREW, Hex Head, Taptite, 5/16-18 x 3/4
9	1919381	2	WASHER, Plain, 5/16
10	1728089	1	KNOB, Brake Lock Plastic
11	1727293	1	DASHBOARD
12	1732031	1	GUIDE, Hood R.H.
13	1960096	2	WASHER, 1/8 x 3/4
14	1928707	2	RIVET, Pop, Stem Black
15	1732030	1	GUIDE, Hood L.H.
16	1930641	12	NUT, Hex Flange Whiz, 1/4-20
17	1728030D	1	PANEL, Hood, L.H. -(Red - Use on Massy Ferguson Models)
17	1728030C	1	PANEL, Hood, L.H. -(Orange - Use on Simplicity Models)
18	1723123	1	ROD, Dash Support
19	1925003	1	SCREW, Self-Tap
20	1933896	1	NUT, Hex, Nylon, Lock, #10-24
21	1727280	1	HINGE, Hood R.H.
21	1727279	1	HINGE, Hood L.H.
22	1727297D	1	GRILLE -(Red - Use on Massy Ferguson Models)
22	1727297C	1	GRILLE -(Orange - Use on Simplicity Models)
23	1728029D	1	PANEL, Hood R.H. -(Red - Use on Massy Ferguson Models)
23	1728029C	1	PANEL, Hood R.H. -(Orange - Use on Simplicity Models)
24	1728975	1	INSERT, Lightbar
25	1727296	1	HEADLIGHT ASSEMBLY



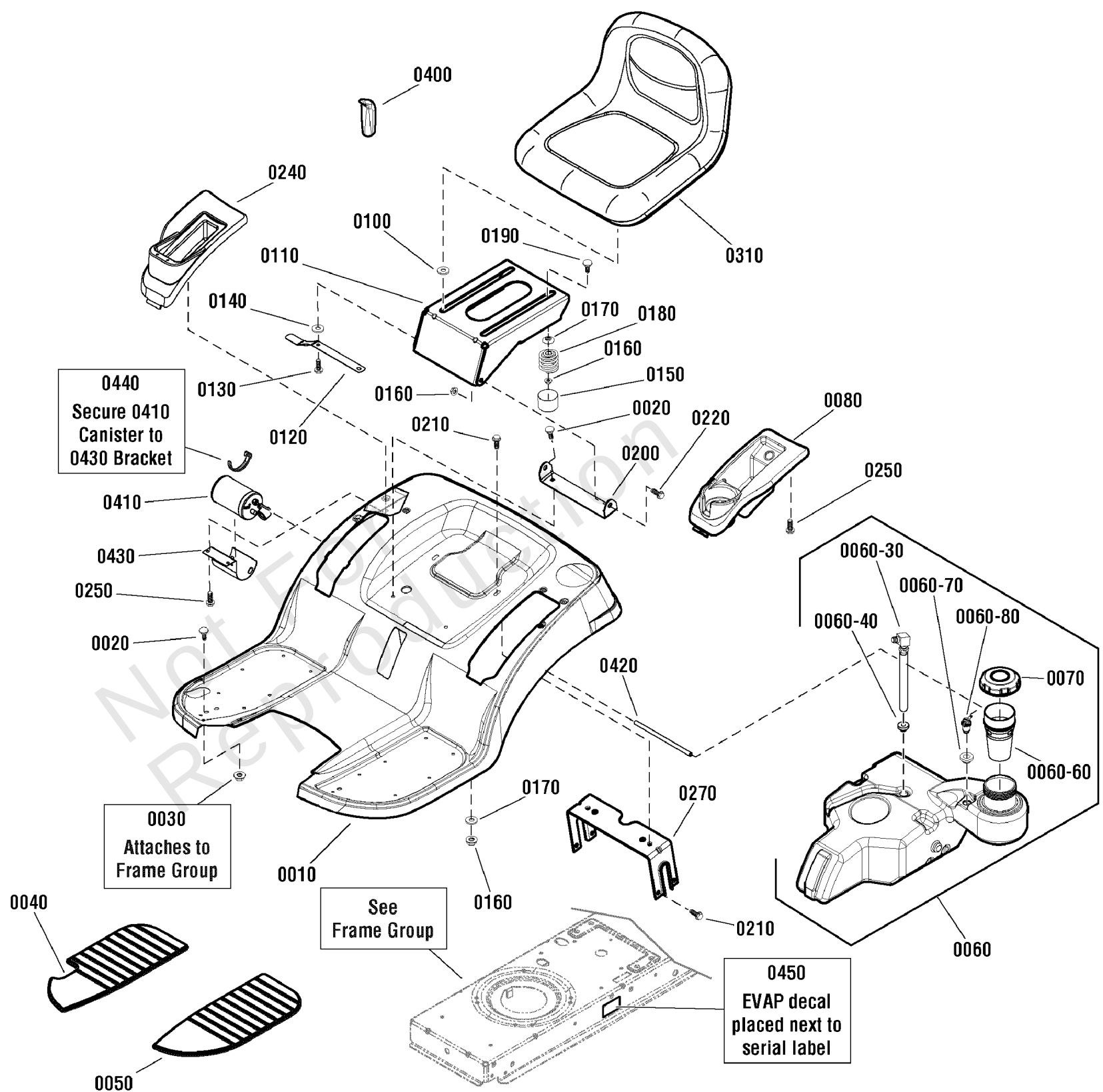
Lift Group - Manual

REF NO	PART NO	QTY	DESCRIPTION
0010	1728070SM	1	ROD, Lift Handle, 17.7
0040	1729652SM	1	SPRING, Torsion
0100	1731417SM	2	ARM, Rear Lift
0110	1732426SM	2	BOLT-SHLDR 5/16-18 0.
0120	1727955SM	2	ROD, Lower Lift, 10.00 LG
0150	1731894SM	2	TRUNNION
0160	1960687SM	2	NUT, Hex Flange, ESNA, 3/8-16
0170	1931211SM	2	NUT, Hex, Flange Lock, 3/8-16
0180	1960074SM	4	CLIP, HAIR PIN .093DI
0190	1727985SM	1	QUADRANT, Lift Height
0200	1730264SM	1	DECAL, Height Of Cut
0210	1960252SM	1	BOLT-RD HD SH SQ NK 1
0220	1930641SM	1	NUT, Hex Flange Whiz, 1/4-20
0230	1960170SM	2	WASHER, 1/2
0240	094067MA	2	PIN, Threaded Shoulder
0250	1666294SM	2	SPACER
0260	84003606	1	SCREW
0270	1933468SM	1	WASHER, 5/16 x 1-1/4 OD
0280	1728990ASM	1	CLEVIS, Lift
0290	1727935SM	1	SPACER-PIVOT 0.330ID
0300	1727954SM	1	ROD, Lift, 5.43 LG
0350	771009	1	PUSHNUT, 5/8
0360	703115	3	NUT
0370	703298	1	WASHER, 5/16

Seat Deck & Fuel Tank Group - EVAP Compliant

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2690970



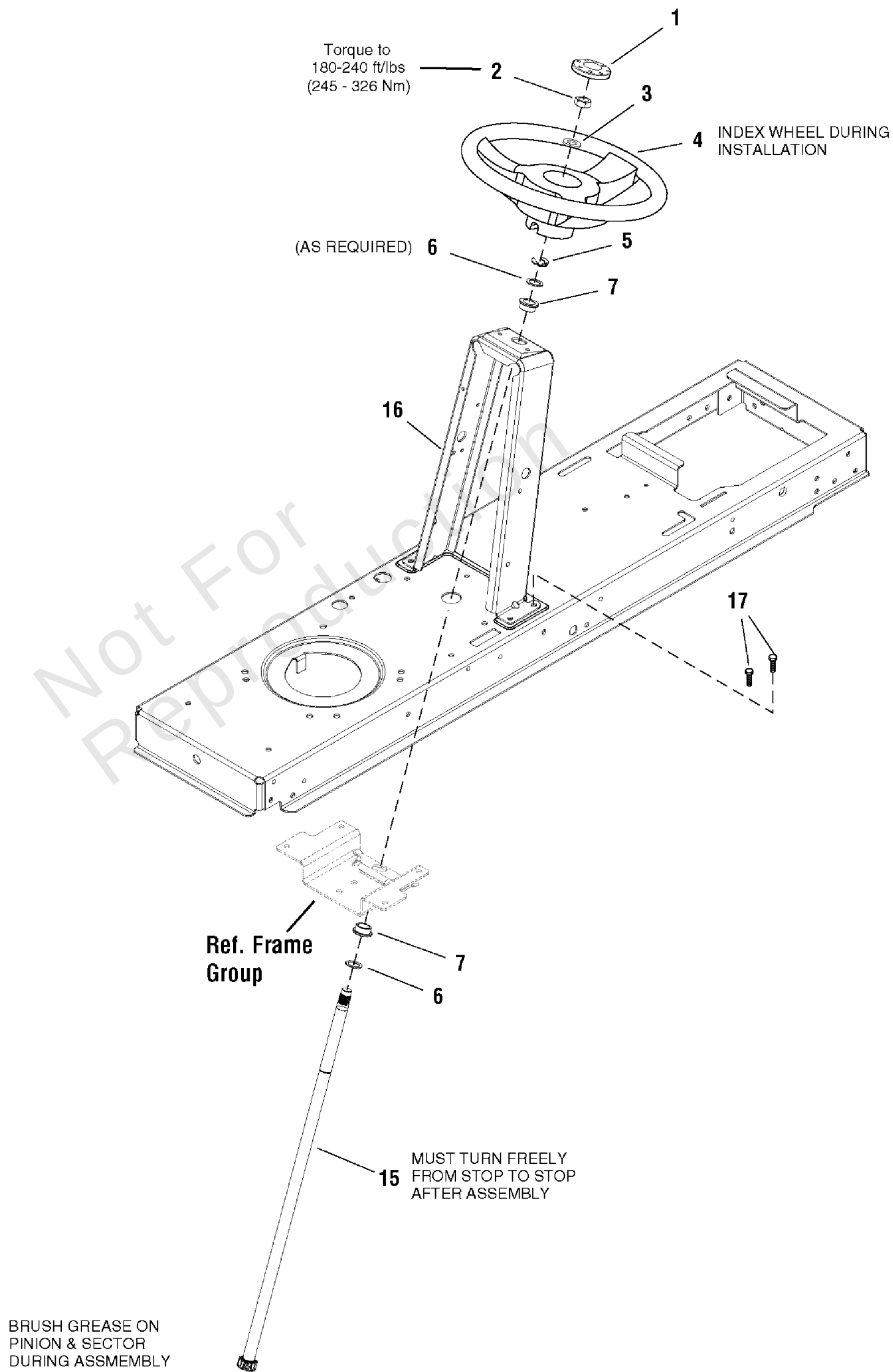
Seat Deck & Fuel Tank Group - EVAP Compliant

REF NO	PART NO	QTY	DESCRIPTION
0010	1727264D	1	DECK, Seat
0020	1931333	4	BOLT, Carriage, 5/16-18 x 3/4, G5
0030	1931277	2	NUT, Hex Flange, Whiz Lock, 5/16-18
0040	1728007	1	PAD, Footrest R.H.
0050	1728006	1	PAD, Footrest L.H.
0060	1751226	1	TANK, Fuel
0060-30	1736609	1	FITTING & HOSE ASSEMBLY, Fuel Tank
0060-40	1654930	1	BUSHING, Fuel Tank
0060-60	1751531	1	DROP TUBE
0060-70	209043	1	GROMMET
0060-80	7104638	1	REMOTE VENT ASSEMBLY
0070	5103005	1	CAP, Fuel, EVAP
0080	1739535	1	POD, L.H., Black
0100	1731300	4	SPACER, 5/16 ID x 1-1/4 OD
0110	1727265A	1	SUPPORT, Seat
0120	1727268	1	LATCH, Seat
0130	1960667	4	CAPSCREW, Hex, Whiz Lock, 5/16-18 x 1
0140	1919381	4	WASHER, 5/16 x 1 OD
0150	1704724	2	COVER, Spring, 1-1/2 Long
0160	1960686	6	NUT, Hex Flange, ESNA, 5/16-18
0170	1709256	4	WASHER, Spring, 5/16 ID x 1-1/4 OD
0180	1704728	2	SPRING, Compression, 2 Long
0190	1960282	2	BOLT, Carriage, 5/16-18 x 3/4, G5
0200	1727266A	1	PIVOT, Seat
0210	1930601	6	CAPSCREW, Hex Washer Head, Taptite, 5/16-18 x 5/8
0220	1729576	2	BOLT, Shoulder, 5/16-18 x 15/32, G5
0240	1739537	1	POD, Electric, HOC, R.H., Black
0250	1960536	6	CAPSCREW, Hex Washer Head, 1/4 x 1/2
0270	1731310A	1	SUPPORT, Seat Deck
0310	1730158	1	SEAT, Low Back
0400	1722302	1	GRIP, Vinyl, 1"
0410	1751599	1	CANISTER, Carbon, 300cc (Includes Filter)
0410A	1752800	1	FILTER, Dust (Fits On End of Cannister) -(Not Shown Separately)
0420	1751715	1	HOSE, Vapor, 5mm
0430	1751519BM	1	BRACKET, Canister Mounting
0440	1701011	1	TIE, Self Locking
0450	1752229	1	DECAL, EVAP

Steering Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2690970



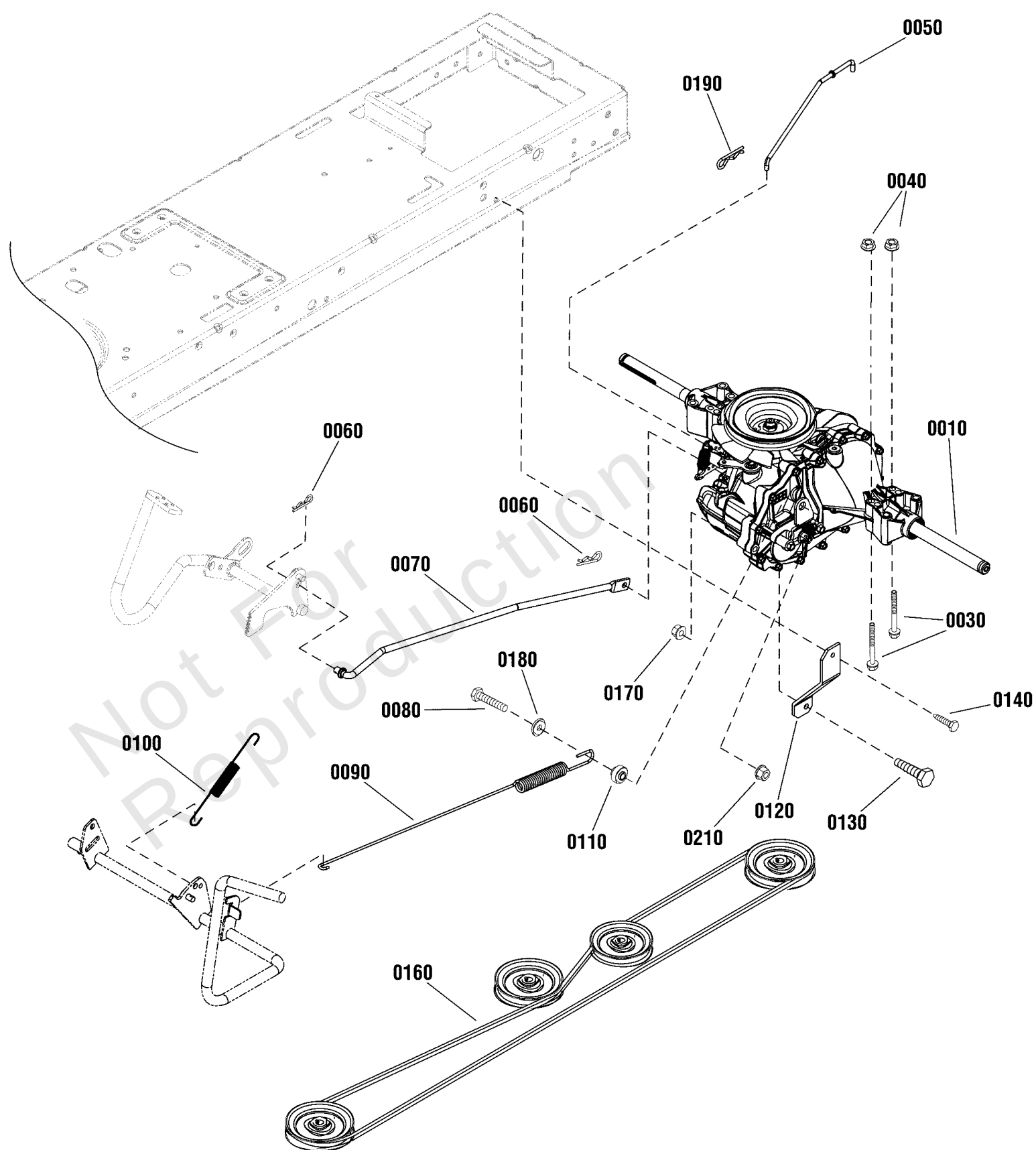
Steering Group

REF NO	PART NO	QTY	DESCRIPTION
1	1725024SM	1	CAP, Steering Wheel
2	1960576SM	1	NUT, Hex Lock, ESNA Light, 5/8-18
3	1924366SM	1	WASHER, 5/8
4	1728069SM	1	STEERING WHEEL, w/Aluminum Insert
5	1611710SM	1	RING, Klipring Extension
6	1960114SM	2	WASHER
7	1729665SM	2	BUSHING, Steering
15	1727813SM	1	SHAFT, Steering Gear & Spline
16	1727260ASM	1	TOWER
17	1930601SM	4	SCREW, Hex Washer Head, Taptite, 5/16-18 x 5/8

Transmission Group - Hydro Gear

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2690970



Transmission Group - Hydro Gear

REF NO	PART NO	QTY	DESCRIPTION
0010	1736637	1	* TRANSMISSION, Hydro Gear
0030	1960586	4	CAPSCREW, Hex Head Whiz Lock, 5/16-18 x 2-1/2
0040	1931277	4	NUT, Hex Flange, 5/16-18
0050	1736716	1	ROD, Free Wheel
0060	1722460	2	PIN, Quick
0070	1750545	1	ROD, Speed Control
0080	1921977	1	CAPSCREW, Hex Head, 5/16-18 x 1-1/4
0090	1736409	1	SPRING, Extension
0100	1721995	1	SPRING, Extension, 6-5/8 Lg
0110	1736854	1	SPACER
0120	1736410A	1	STRAP, Torque
0130	1921978	1	CAPSCREW, Hex Head, 5/16-18 x 2
0140	1664847SM	1	CAPSCREW, Hex Head, Taptite, 5/16-18 x 3/4
0160	1737441	1	V-BELT, Drive Belt, HA, 88.46
0170	1960686	1	NUT, Hex Flange, 5/16-18
0180	1919381	1	WASHER, Flat, 5/16 x 1 OD
0190	1960221	1	CLIP, Hair Pin, 5/8 Dia. x 1-5/16 Lg
0210	704067	1	NUT, HEX FLNG,5/16-18

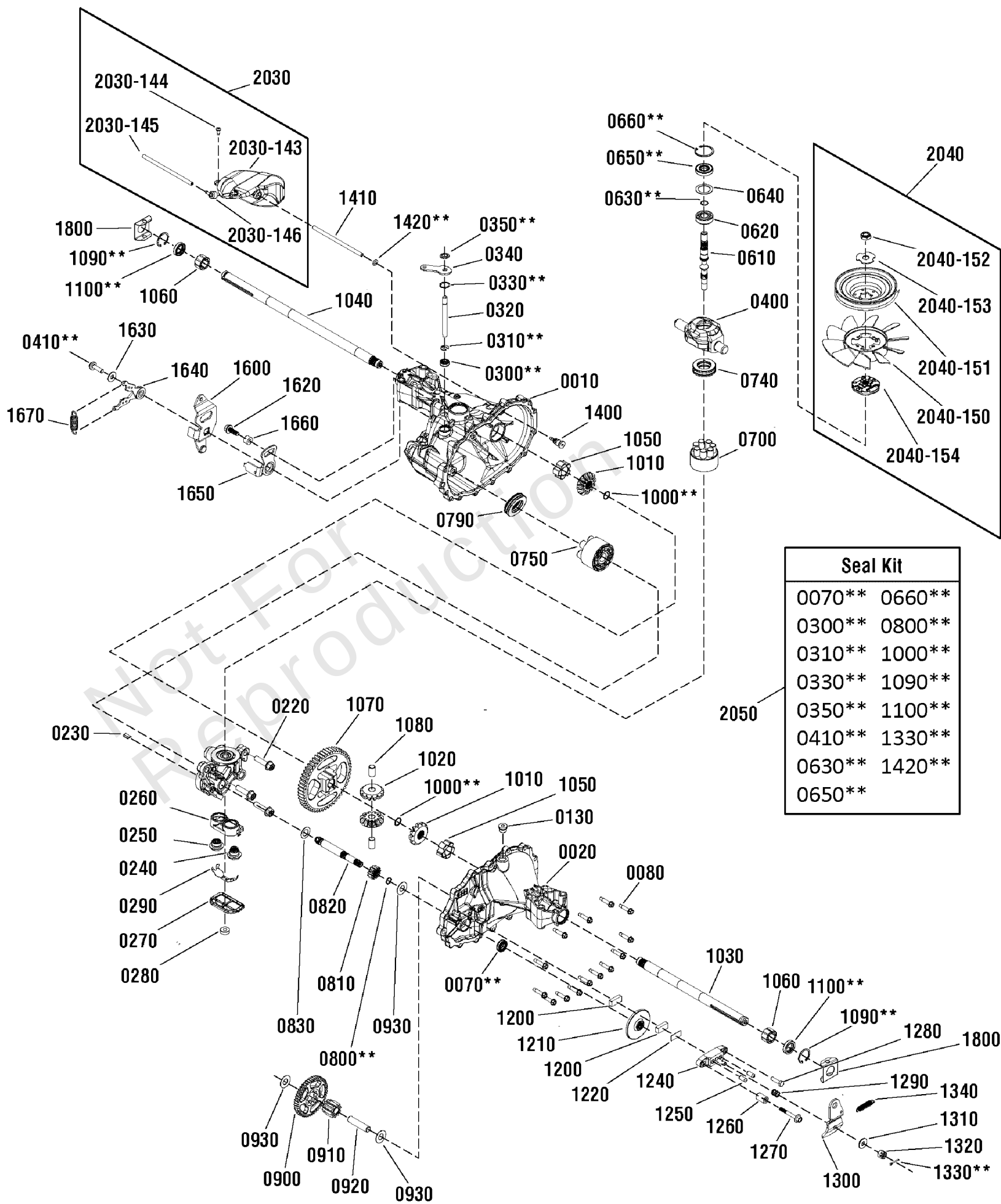
Footnotes:

Note:* See your local authorized dealership for parts and warranty.

Transmission SERVICE PARTS - Hydro-Gear

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2690970



Seal Kit	
0070**	0660**
0300**	0800**
0310**	1000**
0330**	1090**
0350**	1100**
0410**	1330**
0630**	1420**
0650**	

Transmission SERVICE PARTS - Hydro-Gear

REF NO	PART NO	QTY	DESCRIPTION
0010	-----	1	* MAIN HOUSING
0020	-----	1	* SIDE HOUSING
0070	-----	1	** SEAL, Lip, 1/2 x 1 x 1/4
0080	-----	14	* SCREW, Hex Washer, 1/4-20 x 1-1/8
0130	-----	1	* PLUG, 9/16-18
0210	-----	1	* BEARING, Journal
0220	-----	3	* BOLT, Hex Flange, 3/8-16
0230	-----	1	* PLATE, Bypass
0240	-----	1	* CHECK PLUG & WASHER ASSEMBLY, .027
0250	-----	1	* CHECK PLUG & WASHER ASSEMBLY
0260	-----	1	* BASE, Filter
0270	-----	1	* COVER, Filter
0280	-----	1	* RING, Magnet
0290	-----	1	* DEFLECTOR
0300	-----	1	** SEAL, Lip, 3/8 x 3/4 x 1/4
0310	-----	1	** RING, Retainer, 3/8
0320	-----	1	* ROD, Actuator Bypass
0330	-----	1	** RING, Retainer, 3/4
0340	-----	1	* ARM, Bypass
0350	-----	1	** RING, Retainer, 3/8
0400	-----	1	* TRUNNION, Swash Plate
0410	-----	1	** SCREW, 5/16-18 x 1
0610	1752308	1	SHAFT, Input
0620	1715142	1	BALL BEARING, 15 x 35 x 11
0630	1715141	1	** RING, Retaining Wire, .512 ID
0640	1706172	1	* WASHER, Spacer, 1-15/64 x 9/16
0650	1706173	1	** SEAL, Lip, 15 x 35 x 7
0660	-----	1	** RING, Retainer, 1-9/16, INT
0700	-----	1	* KIT, Block, 7 Piston, 8cc
0740	-----	1	* BEARING, Thrust Ball, 27 x 47 x 14
0750	-----	1	* PISTON BLOCK ASSEMBLY
0790	1715144	1	BEARING, Thrust Ball, 30 x 52 x 13
0800	-----	1	** RING, Retainer, 1/2, EXT
0810	-----	1	* GEAR, 13T Pinion
0820	-----	1	* SHAFT, Motor
0830	-----	1	* WASHER, .60 x 1
0900	-----	1	* GEAR, 10T / 48T
0910	-----	1	* GEAR, Jackshaft, 10T
0920	-----	1	* JACKSHAFT, Pin
0930	1715169	3	WASHER, 7/16 x 1 x 1/2
1000	-----	2	** RING, Retainer, Spiral, 5/8, EXT
1010	-----	2	* GEAR, Bevel, 12T, Spline OD
1020	-----	2	* GEAR, Bevel, 12T, 1/2 OD
1030	-----	1	* SHAFT, Axle, Keyed, 12-9/64 x 3/4
1040	-----	1	* SHAFT, Axle, Keyed, 17-3/4 x 3/4
1050	-----	2	* BUSHING, Inboard
1060	-----	2	* BUSHING, Outboard
1070	-----	1	* GEAR, 54T, Bull

Footnotes:

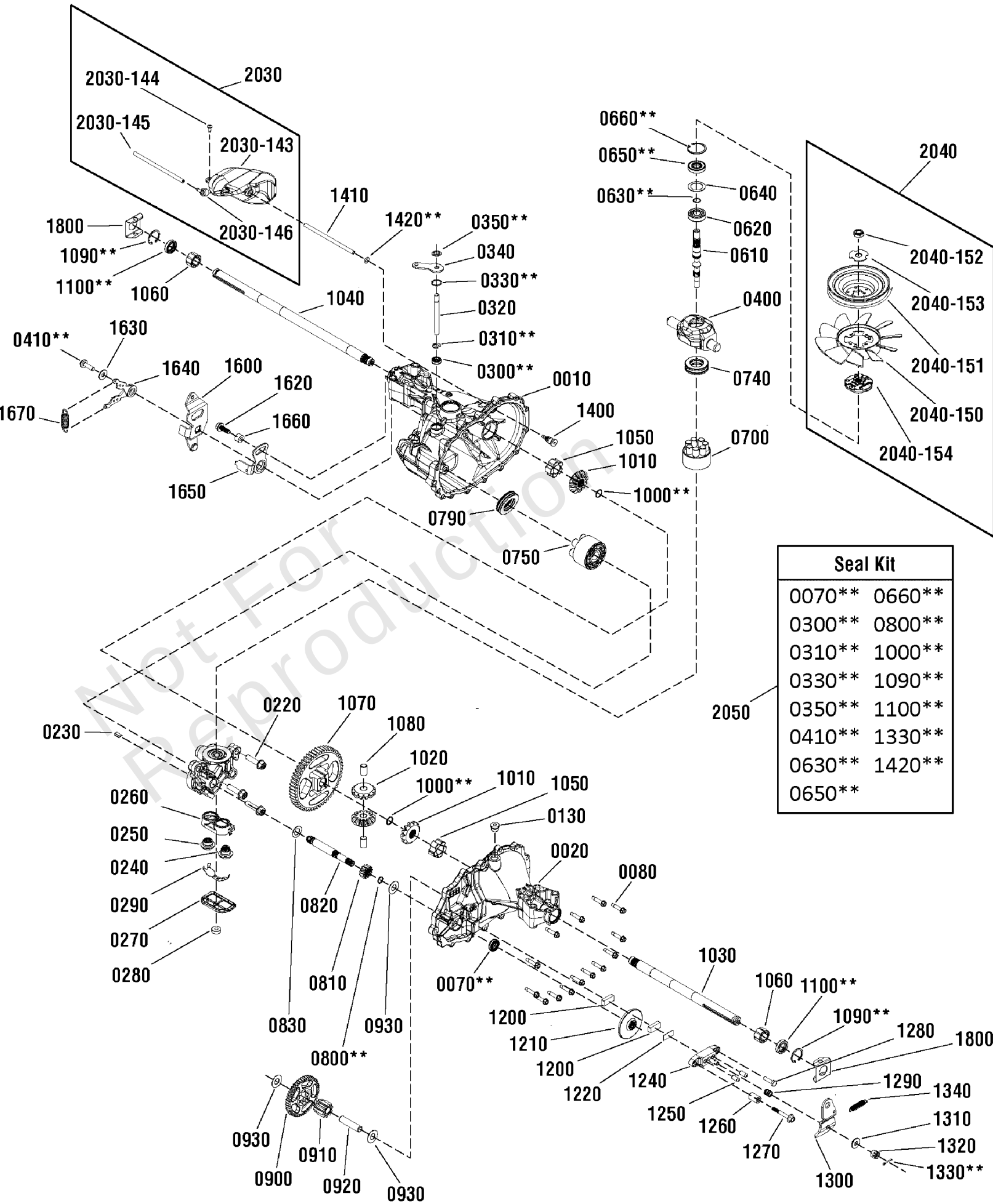
Note:** Not a serviceable part, order seal kit, ref # 2050

Note:* See your local authorized dealership for parts and warranty or contact Hydro Gear at www.hydro-gear.com/Support/NorthAmerica.aspx (U.S. 1-877-728-7410 Int'l 32 (0) 12 670 631)

Transmission SERVICE PARTS - Hydro-Gear

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2690970



Seal Kit	
0070**	0660**
0300**	0800**
0310**	1000**
0330**	1090**
0350**	1100**
0410**	1330**
0630**	1420**
0650**	

Transmission SERVICE PARTS - Hydro-Gear

REF NO	PART NO	QTY	DESCRIPTION
1080	-----	2	* PIN, Differential
1090	-----	2	** RING, Retainer, INT, Axle
1100	-----	3	** SEAL, Lip, 3/4 x 1-1/8 x 1/4
1200	1706146	2	PUCK, Brake
1210	-----	1	* ROTOR, Brake
1220	1706145	1	PLATE, Brake Puck
1240	-----	1	* YOKE, Brake
1250	1706141	2	PIN, Brake, 5/16 x 3/4
1260	1715199	1	SPACER, Brake Torsion Spring, 1/4 x 9/16
1270	-----	1	* SCREW, Patch, 1/4-20 x 2
1280	1706147	1	SCREW, Patch, 1/4-20 x 1
1290	-----	1	* SPRING, Compression, Brake, Anti-Drag
1300	-----	1	* ARM, Brake
1310	-----	1	* WASHER, 11/32 x 7/8
1320	1714431	1	NUT, Castle, 5/16-24
1330	-----	1	** PIN, Cotter, 3/32 x 3/4
1340	-----	1	* SPRING, Brake Arm
1400	-----	1	* FITTING, Hydraulic, O-Ring Adapter, 5/16
1410	-----	1	* HOSE
1420	-----	1	** O-Ring, .103 x .299 ID
1600	-----	1	* ARM, Control
1620	-----	1	* BOLT, Hex Flange Head
1630	-----	1	* WASHER, 11/32 x 7/8 (Duplicate of #131)
1640	-----	1	* ROTATION ASSEMBLY
1650	-----	1	* NEUTRAL ARM ASSEMBLY
1660	-----	1	* BUSHING
1670	-----	1	* SPRING, Extension
1800	1752309	2	CLIP, Spring, Housing Thrust
2030	1752310	1	E-TANK KIT -(Includes ref # 2030-143, 2030-144, 2030-145 & 2030-146)
2030-143	-----	1	TANK EXPANSION -(Not a serviceable part, order kit #2030)
2030-144	-----	1	BOLT, 10-32 x 1/2 -(Not a serviceable part, order kit #2030)
2030-145	-----	1	TUBE -(Not a serviceable part, order kit #2030)
2030-146	-----	1	CAP, Barbed Vent -(Not a serviceable part, order kit #2030)
2040	1752311	1	FAN & PULLEY KIT -(Includes ref # 2040-150, 2040-151, 2040-152, 2040-153 & 2040-154)
2040-150	-----	1	* FAN, 7", 10 Blade -(Not a serviceable part, order kit #2040)
2040-151	-----	1	* PULLEY, 4.4" -(Not a serviceable part, order kit #2040)
2040-152	-----	1	* NUT, Nylock, 1/2-20 -(Not a serviceable part, order kit #2040)
2040-153	-----	1	* WASHER, OD Slotted -(Not a serviceable part, order kit #2040)
2040-154	-----	1	* HUB, Pulley, 1-9/16 -(Not a serviceable part, order kit #2040)
2050	1752312	1	SEAL KIT -(Includes items marked with **)

Footnotes:

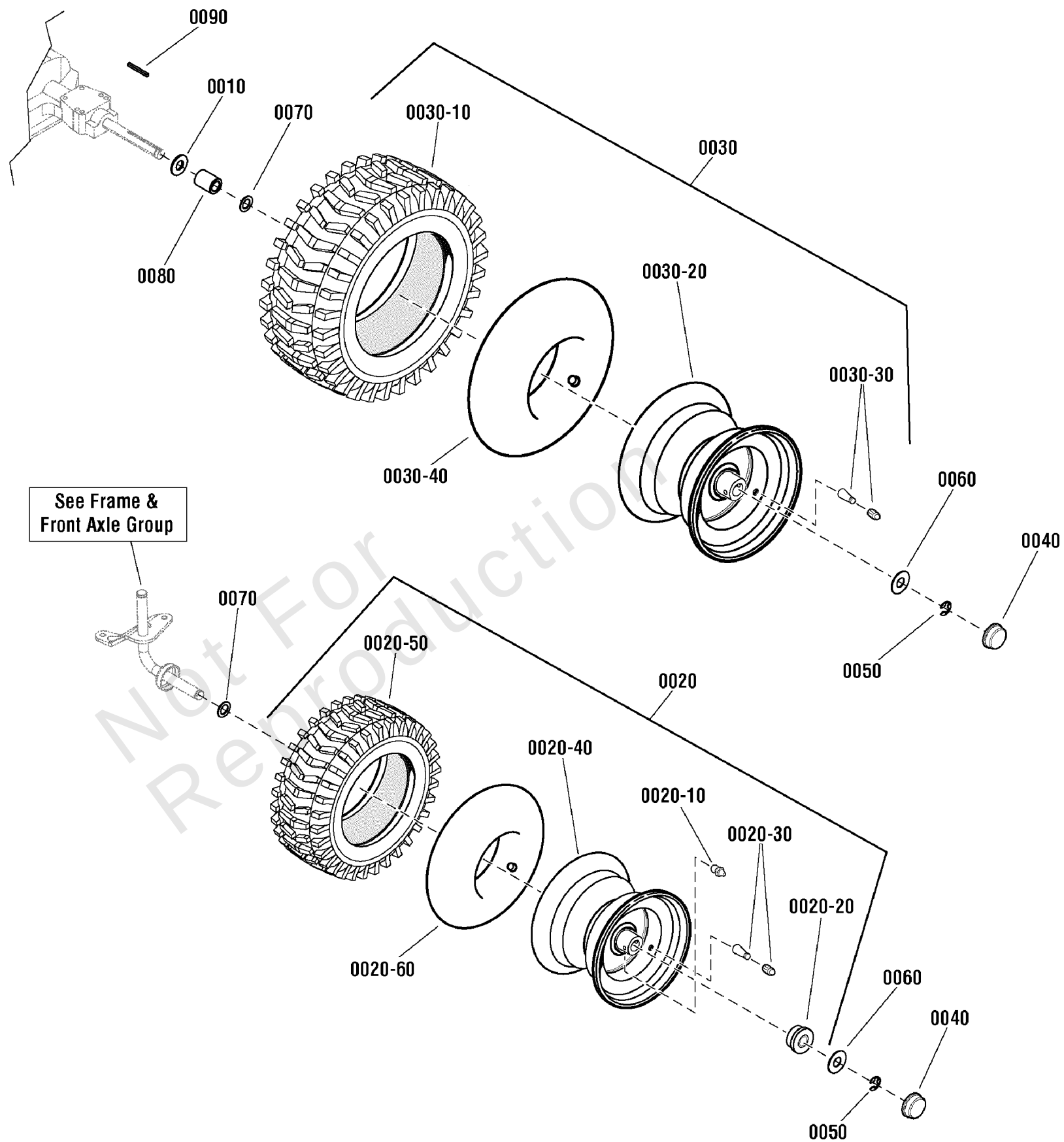
Note:** Not a serviceable part, order seal kit, ref # 2050

Note:* See your local authorized dealership for parts and warranty or contact Hydro Gear at www.hydro-gear.com/Support/NorthAmerica.aspx (U.S. 1-877-728-7410 Int'l 32 (0) 12 670 631)

Wheel & Tire Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2690970



Wheel & Tire Group

REF NO	PART NO	QTY	DESCRIPTION
0010	2860202	2	WASHER, 3/4 x 1-5/8 OD x 1/8 Thick
0020	1729708	2	WHEEL & TIRE ASSEMBLY, Front
0020	1754160	2	WHEEL & TIRE ASSEMBLY, Front, 15 x 6-6 -(52" Models Only)
0020-10	2812808	1	FITTING, Lube, 1/4
0020-20	1742259	2	BUSHING, 3/4" ID x 1.38" OD Hardened (2 per wheel)
0020-30	2172353	1	VALVE STEM & CAP, Air .453 Dia 0.88 Long
0020-40	-----	1	WHEEL & BUSHINGS ASSEMBLY, Front
0020-60	1664090	2	TUBE
0020-50	1731951	1	TIRE, 15 x 6 - 6, Turf Rider
0020-50	1733882	1	TIRE, 15 x 6 - 6, Super Turf -(52" Models Only)
0030	1732324SM	2	WHEEL & TIRE ASSEMBLY, 22 x 10-8 -(Used on 2690966 only)
0030	7101560	2	WHEEL & TIRE ASSEMBLY, 20 x 8.0-8 -(42" Models Only)
0030	7101563	2	WHEEL & TIRE ASSEMBLY, 20 x 10.0-8 -(46" Models Only)
0030	7101569	2	WHEEL & TIRE ASSEMBLY, 22 x 9.5-12 -(52" Models Only)
0030-10	7101559	2	TIRE, 20 x 8-8, K358 -(42" Models Only)
0030-10	7101562	2	TIRE, 20 x 10-8, 2 Ply K358 -(46" Models Only)
0030-10	7101568	2	TIRE, 22 x 9.50-12, 2 Ply K358 -(52" Models Only)
0030-10	1732394	2	TIRE, 22 x 10-8, 2 Ply, K358 -(Used on 2690966 only)
0030-20	-----	2	RIM -(All Models)
0030-30	7012234	2	VALVE STEM, TR412 -(All Models)
0030-40	2173477	2	TUBE -(52" Models Only)
0030-40	2164247	2	TUBE -(42" & 46" Models Only)
0040	721318	4	HUB CAP
0050	720010	4	E-RING, 3/4D, 1/2T
0060	722620	4	WASHER, Flat
0070	722598	4	WASHER, Flat, 3/4 x 1-1/4 x 16GA
0080	1730181	2	SPACER, 3/4 ID x 1-1/4 OD x 1.65
0090	720258	2	KEY, Square, 3/16

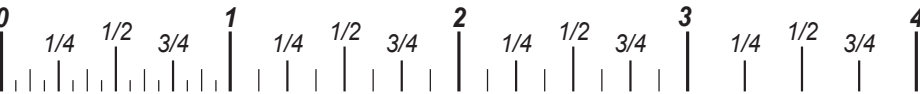
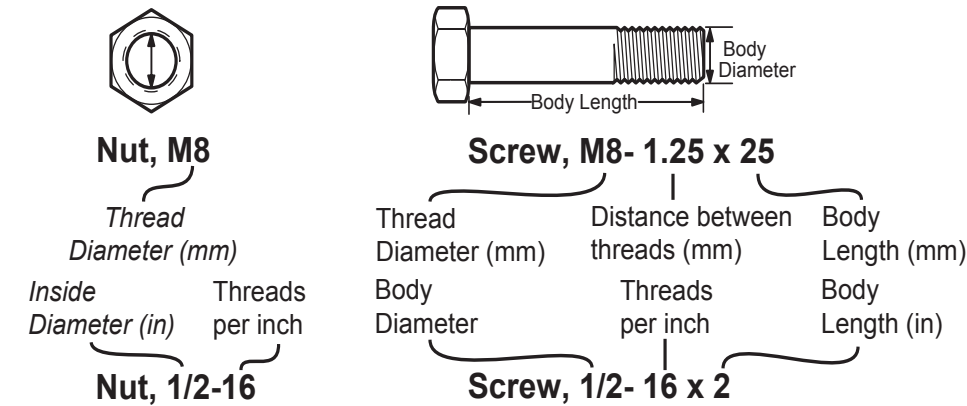
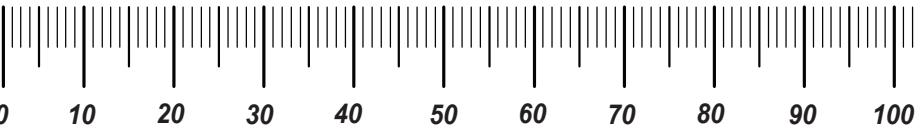
Footnotes:

Note:* Not a serviceable part, service wheel complete

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).

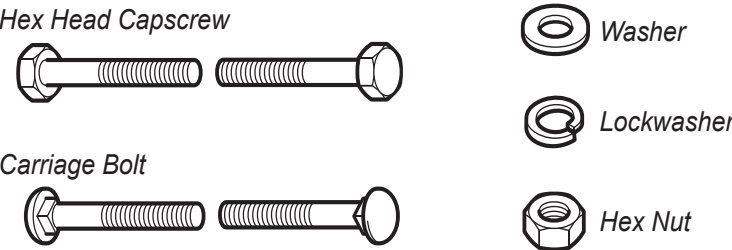
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

