



Parts Manual

Mfg. No: 2691713-00

ZTX350, 8270 SER B&S Rider w/132cm
Mower Deck, EU

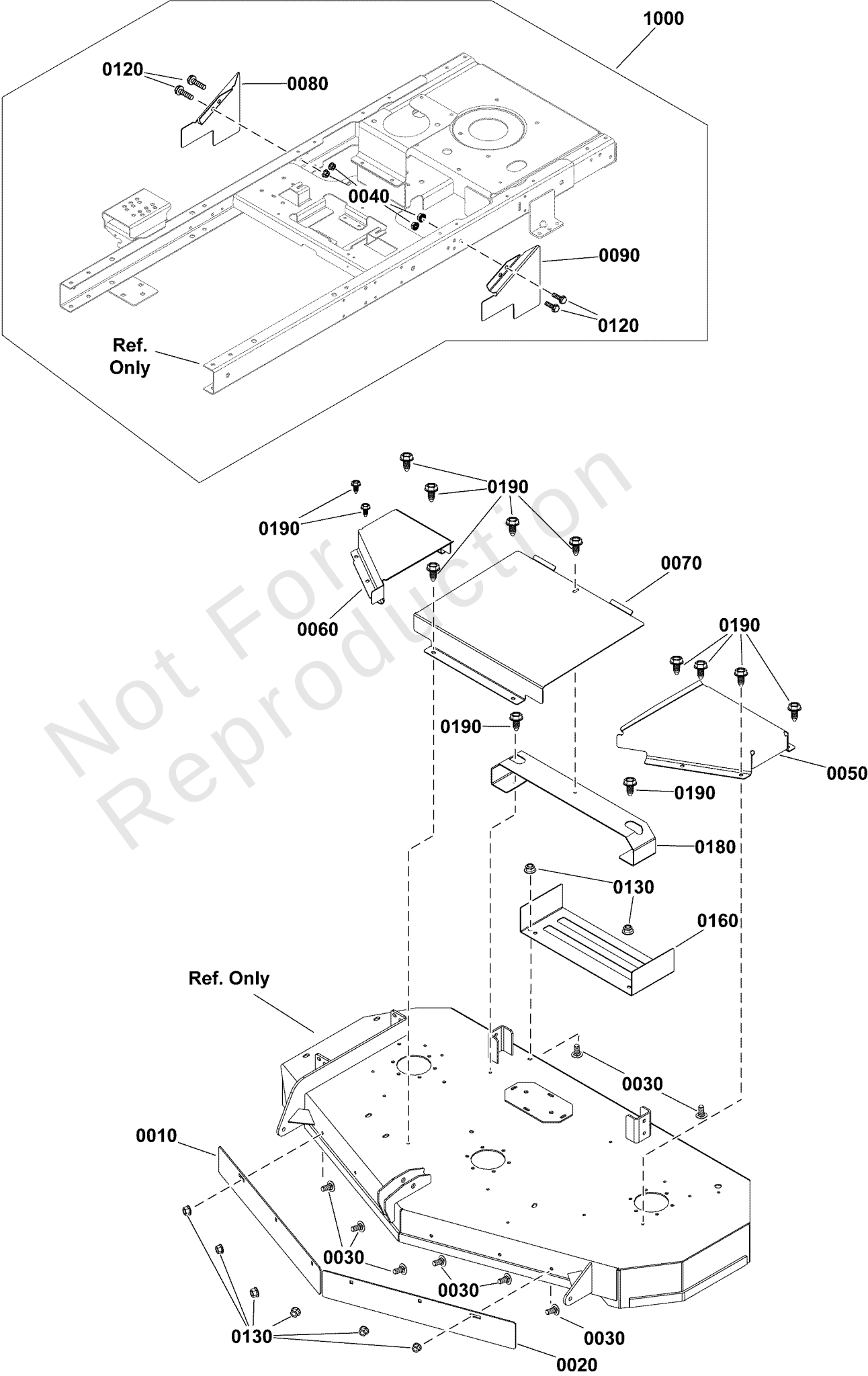
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Not For
Reproduction

52" HOZ Guarding Group

Note: Unless noted otherwise, use the standard torque specifications

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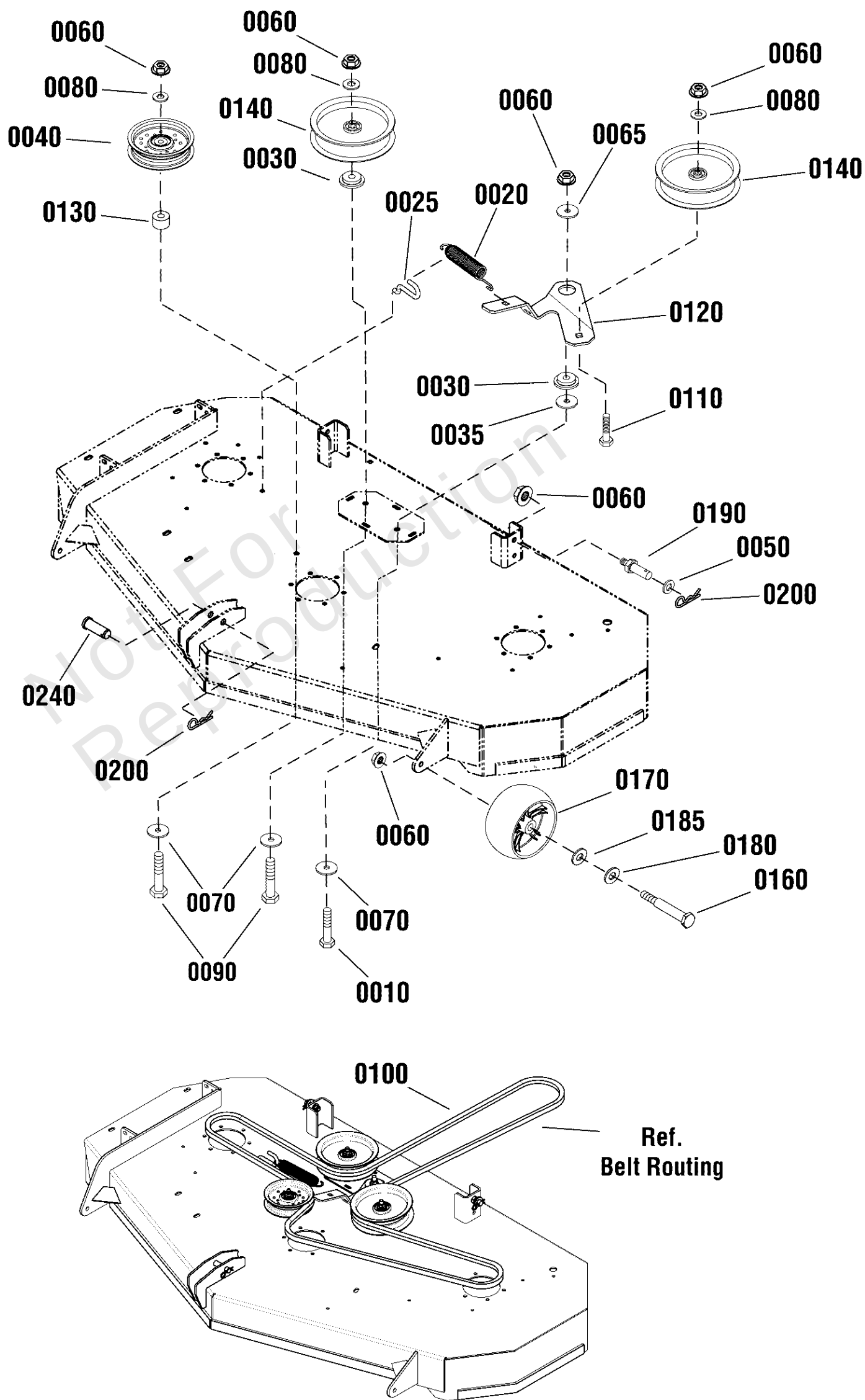
52" HOZ Guarding Group

REF NO	PART NO	QTY	DESCRIPTION
0010	705981	1	BAFFLE, Blowout, RH
0020	705980	1	BAFFLE, Blowout, LH
0030	703185	8	BOLT, Carriage, 5/16-18 X 3/4
0040	5025127SM	4	NUT, Hex Serrated Flange, 5/16-18, -(Included with Ref. No. 1000)
0050	1760708AYP	1	COVER, Arbor, LH
0060	1760709AYP	1	COVER, Arbor, RH
0070	1760710AYP	1	COVER, Top Arbor
1000	84007640		KIT, Belt Covers -(Incl. Ref. Nos. 0040, 0080, 0090, & 0120)
0080	-----		COVER, Deck Belt, RH -(Included with Ref. No. 1000)
0090	-----		COVER, Deck Belt, LH -(Included with Ref. No. 1000)
0120	703410	4	BOLT, Serrated Flange, 5/16-18 X 1.0 -(Included with Ref. No. 1000)
0130	703115	8	NUT, Flange Nylock, 5/16-18
0160	1760915AYP	1	COVER, Belt, Rear
0180	1760798AYP	1	SUPPORT, Cover
0190	703228	13	SCREW, Washer Head Taptite, 5/16-18 X 3/4

52" Mower Deck - Clutch & Support Group

Note: Unless noted otherwise, use the standard torque specifications

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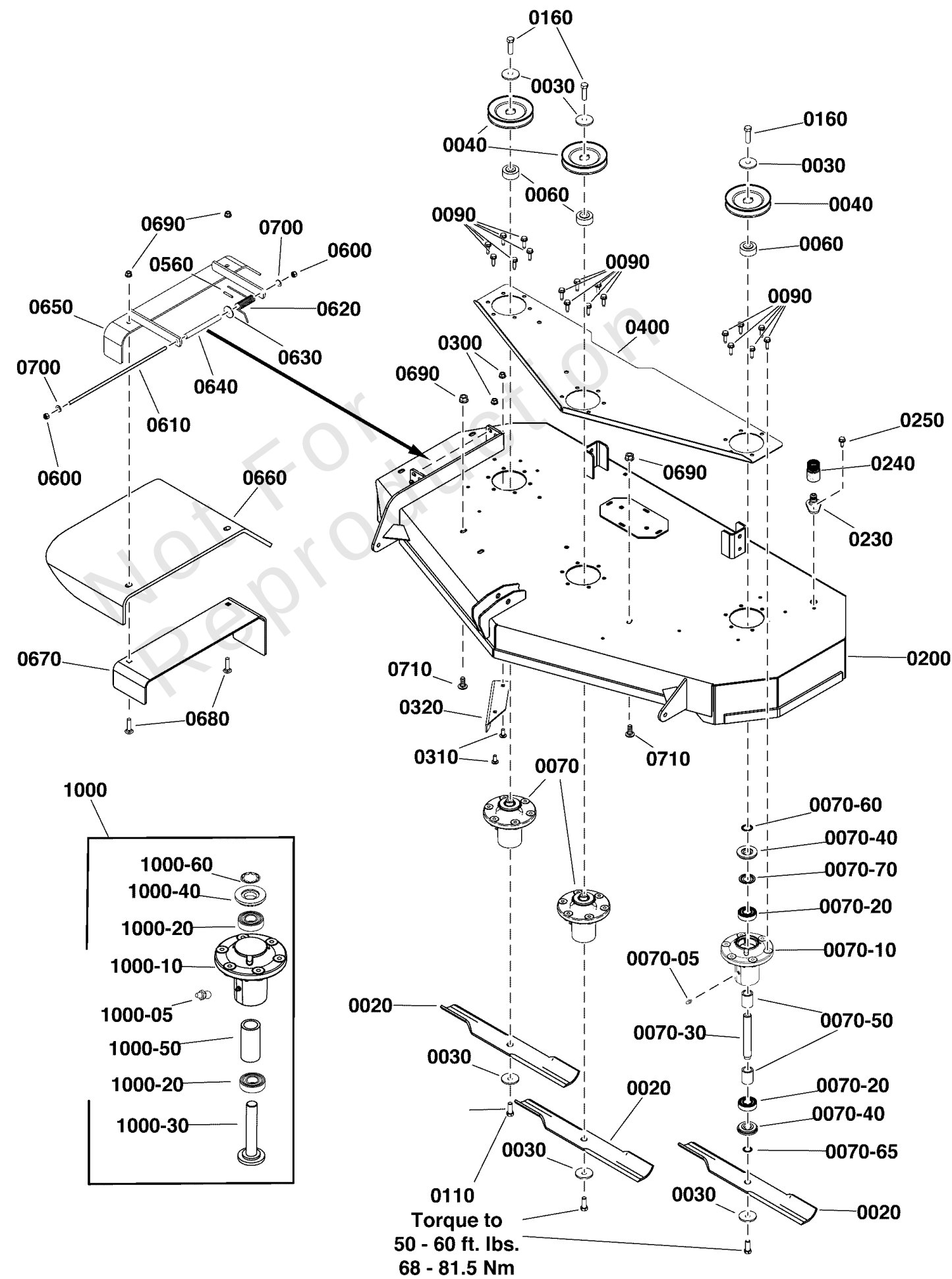
52" Mower Deck - Clutch & Support Group

REF NO	PART NO	QTY	DESCRIPTION
0010	703589	1	CAPSCREW, Hex Head, 3/8-16 X 2, GR5
0020	1715435SM	1	SPRING, Extension
0025	1758170YP	1	ANCHOR, Spring
0030	706128	2	SPACER, Idler
0035	1960071SM	1	WASHER, 3/8
0040	1757823YP	1	PULLEY, Idler, Backside
0050	703853	2	WASHER, 1/2
0060	5025394SM	8	NUT, Hex Flange, Nylock, 3/8-16
0065	5025305SM	1	WASHER, .41 X 1.75 X .14
0070	703591	3	WASHER, Flat, 13/32 x 1 1/2 x 1/8
0080	703878	3	WASHER, Flat, 13/32 x 7/8 x .083
0090	5025013X22SM	2	CAPSCREW, Hex Head, 3/8-16 X 2-3/4
0100	1757901YP	1	V-BELT, HA
0110	7900009SM	1	BOLT, Carriage, 3/8-16 X 2 1/4
0120	1760882AYP	1	ARM, Idler
0130	5046860SM	1	SPACER, .39 X 1.00 X .50, PM, CZ
0140	7034422SM	2	PULLEY, Flat Idler
0160	1736539YP	2	BOLT, Shoulder, 3/8-16 X 3.41
0170	1736896YP	2	WHEEL, Gauge
0180	5025158SM	2	WASHER, 1/2
0185	0020X3MA	2	WASHER, Spring
0190	704054	2	PIN, Threaded Shoulder, 3/8-16 X 11/16
0200	703300	3	PIN, Hair, 3/32 x 1 5/8
0240	1722819SM	1	PIN, Flat Head, .496 x 2.12

52" Mower Deck - Housing, Arbors & Blade Group

Note: Unless noted otherwise, use the standard torque specifications

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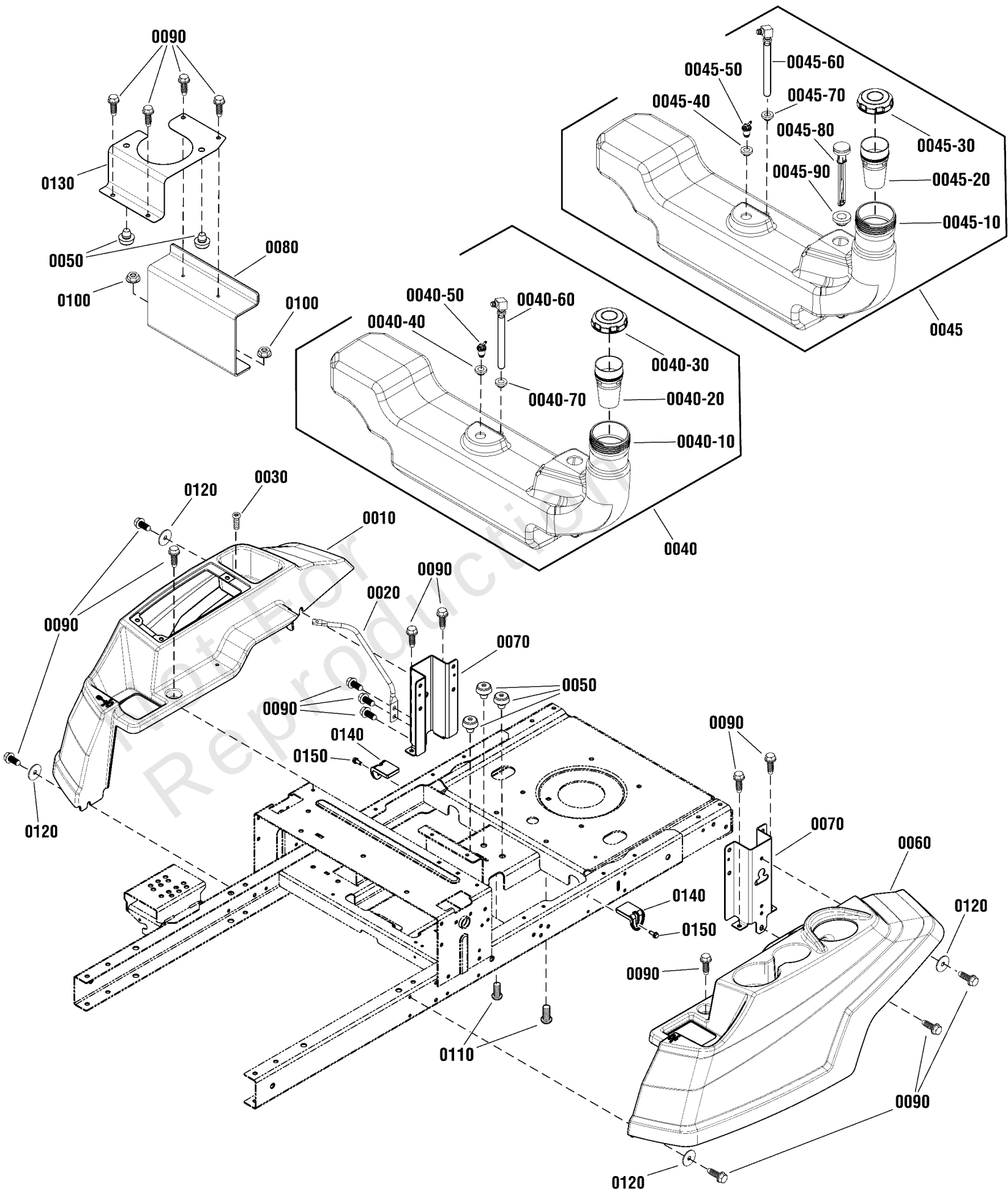
52" Mower Deck - Housing, Arbors & Blade Group

REF NO	PART NO	QTY	DESCRIPTION
0020	1756152AYP	3	BLADE, 18", .63 Hole, .98 Lift
0030	1656916SM	6	WASHER, Spring, .475 ID x 1.75 OD x .156 Thick, Black
0040	1732951SM	3	PULLEY, .68" Deep-Groove OD 4.6"
0060	706362	3	SPACER, HUB, .75 HI, .457 ID
0070	1759614YP	3	ARBOR ASSEMBLY -(Replaced by Ref. Nos. 1000, this arbor assembly is an exact replacement)
0070-05	1704314SM	1	LUBE, Fitting, .250 Drive, .25 SH, Check Ball, Yel
0070-10	1760371	1	HOUSING, SPINDLE - CAST ALUM W/ ZERK
0070-20	1735399YP	2	BEARING, Ball, 20mm
0070-30	1759497YP	1	SHAFT, Spindle (134.6mm / 5.299" LG) -(Replaced by Ref. Nos. 1000-30, this spindle shaft is an exact replacement for the shaft, shield and ring)
0070-40	1735323YP	2	SHIELD, Arbor, 2-1/16 OD
0070-50	1735328YP	2	SPACER, Bearing, .812 ID, 1.25 OD, .442 Tall, PM -(Replaced by Ref. Nos. 1000-50, this spacer is an exact replacement)
0070-60	1960766YP	2	RING, Self Locking (For 20MM Shaft)
0070-65	708167	2	RING, Self-Locking, 15MM Shaft
0070-70	7106224YP	3	BEARING, Seal
1000	84003174	3	ARBOR ASSEMBLY
1000-05	1704314SM	1	FITTING, Lube, 1/4
1000-10	84003653	1	HOUSING, w/Lube Fitting
1000-20	1735399YP	2	BEARING, Ball, 20mm
1000-30	84003655	1	SHAFT, Spindle
1000-40	84003166	1	SHIELD, Arbor
1000-50	84003167	1	SPACER, Bearing
1000-60	1960766YP	1	RING, Self Locking
0090	704146	18	SCREW, 5/16-18 X 1.0, Hex Washer Head Self-Tap, ZC/CL
0110	1920676SM	3	CAPSCREW, Hex Head, 7/16-14 X 1
0160	1921212SM	3	CAPSCREW, Hex Head, 7/16-14 X 1 1/2
0200	1687923YP	1	HOUSING, Mower Deck w/Decals, 52" FAB
0230	1756247YP	1	ADAPTOR, Washout Port
0240	1756246YP	1	CONNECTOR, Washout Port 46/52" Black Poly
0250	703228	1	SCREW, Washer Head Taptite, 5/16-18 X 3/4
0300	703115	2	NUT, Flange Nylock, 5/16-18
0310	703185	2	BOLT, Carriage, 5/16-18 X 3/4
0320	5405557AYP	1	PLATE, Deflector, 52" Deck - Blk
0400	1760973AYP	1	PLATE, Deck Top, 52" ZT - Black
0560	5023489SM	1	CAP, Protector, .120 ID
0600	5025045SM	2	NUT, 5/16-24 Hex Nylon Lock
0610	5042555SM	1	ROD, 5/16 X 13.75, TBE, CZ
0620	5023385SM	1	SPRING, Torsion
0630	5025164SM	1	WASHER, 5/16" Fender
0640	5050086X8SM	1	TUBE, 1/2 X 3/8 - 8.0" LG, Black Plastic
0650	1760936AYP	1	BRACE, Discharge Chute
0660	5413498YP	1	CHUTE-DISCHARGE, Rubber, 25.00"
0670	1760930AYP	1	SUPPORT, Discharge Chute
0680	703406	2	BOLT, 3/8-16 X 1-1/2, Carriage, GD5, CZ
0690	5025394SM	4	NUT, Hex Flange, Nylock, 3/8-16
0700	703302	2	WASHER, 5/16 SAE
0710	703448	2	BOLT, 3/8-16 X .750, Short Neck Carriage, Zinc/Clear

Body & Fuel Tank Group

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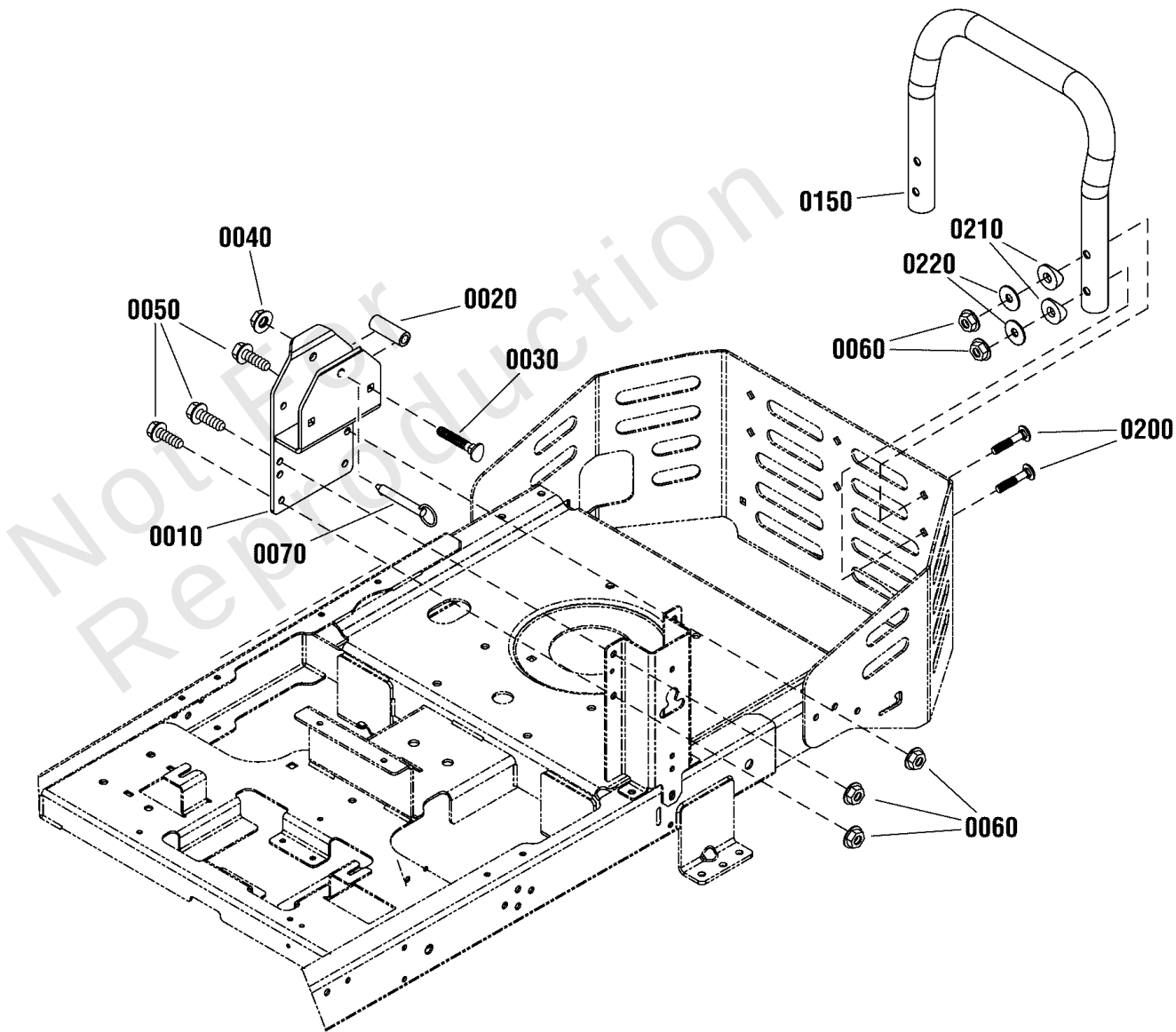
Body & Fuel Tank Group

REF NO	PART NO	QTY	DESCRIPTION
0010	1758077YP	1	FENDER, RH
0020	1759369YP	1	ROD, Support
0030	703953	1	SCREW, Torx Pan Head Self-Tapping, 1/4-20 X 5/8,
0040	1758202YP	1	FUEL TANK ASSEMBLY, No Fuel Gauge -(Includes item Nos. 0040-10 thru 0040-70)
0040-10	-----	1	TANK, Fuel -(Order item 0040)
0040-20	-----	1	NECK, Fuel Filter -(Order item 0040)
0040-30	1758314YP	1	CAP, Fuel (Non Vented)
0040-40	799624	1	GROMMET
0040-50	770046	1	VENT, Remote
0040-60	1758927YP	1	TUBE, Fuel Pickup
0040-70	1726400SM	1	BUSHING
0045	1758919YP	1	FUEL TANK ASSEMBLY. W / Fuel Gauge -(Includes item Nos. 0045-10 thru 0045-90)
0045-10	-----	1	TANK, Fuel -(Order item 0045)
0045-20	-----	1	NECK, Fuel Filter -(Order item 0045)
0045-30	1758314YP	1	CAP, Fuel (Non Vented)
0045-40	799624	1	GROMMET
0045-50	770046	1	VENT, Remote
0045-60	1758927YP	1	TUBE, Fuel Pickup
0045-70	1726400SM	1	BUSHING
0045-80	1758928YP	1	GAUGE, Fuel
0045-90	84004692	1	GROMMET
0050	197546GS	5	MOUNT, Vibration
0060	1758076YP	1	FENDER, LH
0070	1758239AYP	2	SUPPORT, Rear Fender
0080	84002196	1	BRACKET, Seat Spring
0090	703228	18	SCREW, Washer Head Taptite, 5/16-18 X 3/4
0100	5025394SM	2	NUT, Hex Flange, Nylock, 3/8-16
0110	704038	2	SCREW, Hex Flange, Whiz Lock, 3/8-16 x 1
0120	1960044SM	4	WASHER, Flat, 5/16
0130	1759140AYP	1	STRAP, Fuel Tank
0140	1760244YP	2	SUPPORT, Fuel Tank
0150	703054	2	SCREW, Hex Washer Head, 1/4-20 x 5/8

Cargo Box Group - ZT - No Cargo Bed

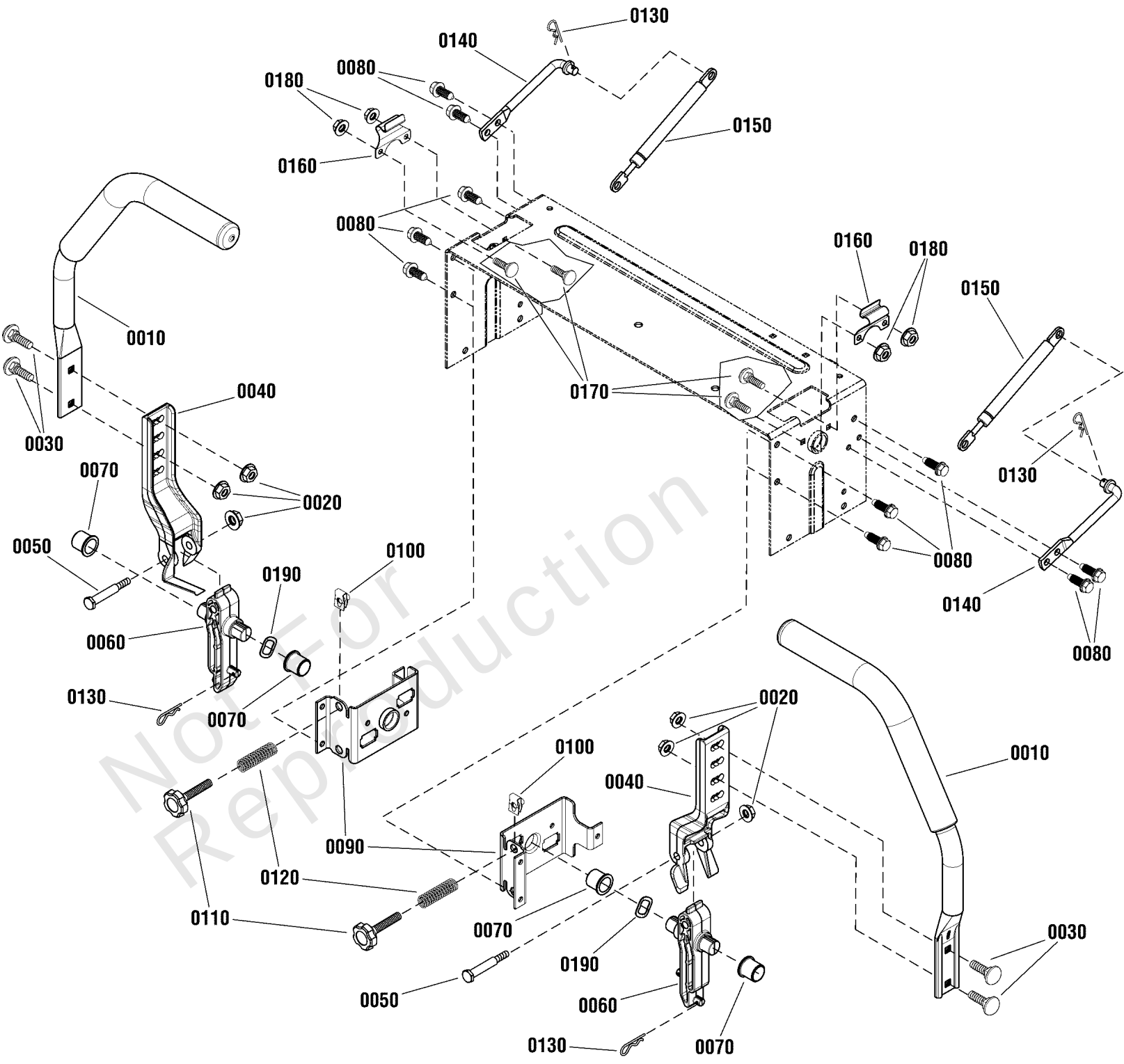
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Cargo Box Group - ZT - No Cargo Bed

REF NO	PART NO	QTY	DESCRIPTION
0010	1759433AYP	2	SUPPORT, Cargo Box
0020	1713588SM	2	SPACER, .323 ID X .555 OD X 1.55 LG, CZ
0030	704421	2	SCREW, Round Head, 5/16 X 2 1/4
0040	704067	2	NUT, Hex Flange, 5/16-18
0050	703354	4	SCREW, Flange, Whiz-Lock, 5/16-18 X 3/4
0060	703115	8	NUT, Flange Nylock, 5/16-18
0070	5103021YP	2	PIN, Hitch, 3/8 X 2 1/2
0150	1759315AYP	1	TUBE, Support
0200	704035	4	BOLT, Carriage, 5/16-18 X 2
0210	1759361YP	4	SADDLE, Tube, 1.25 O.D.
0220	1960044SM	4	WASHER, Flat, 5/16



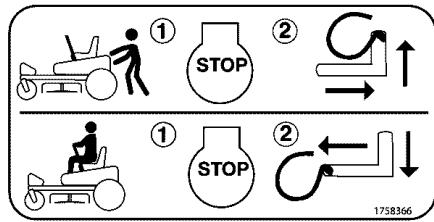
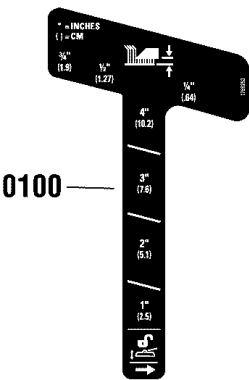
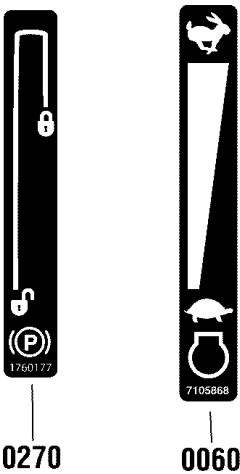
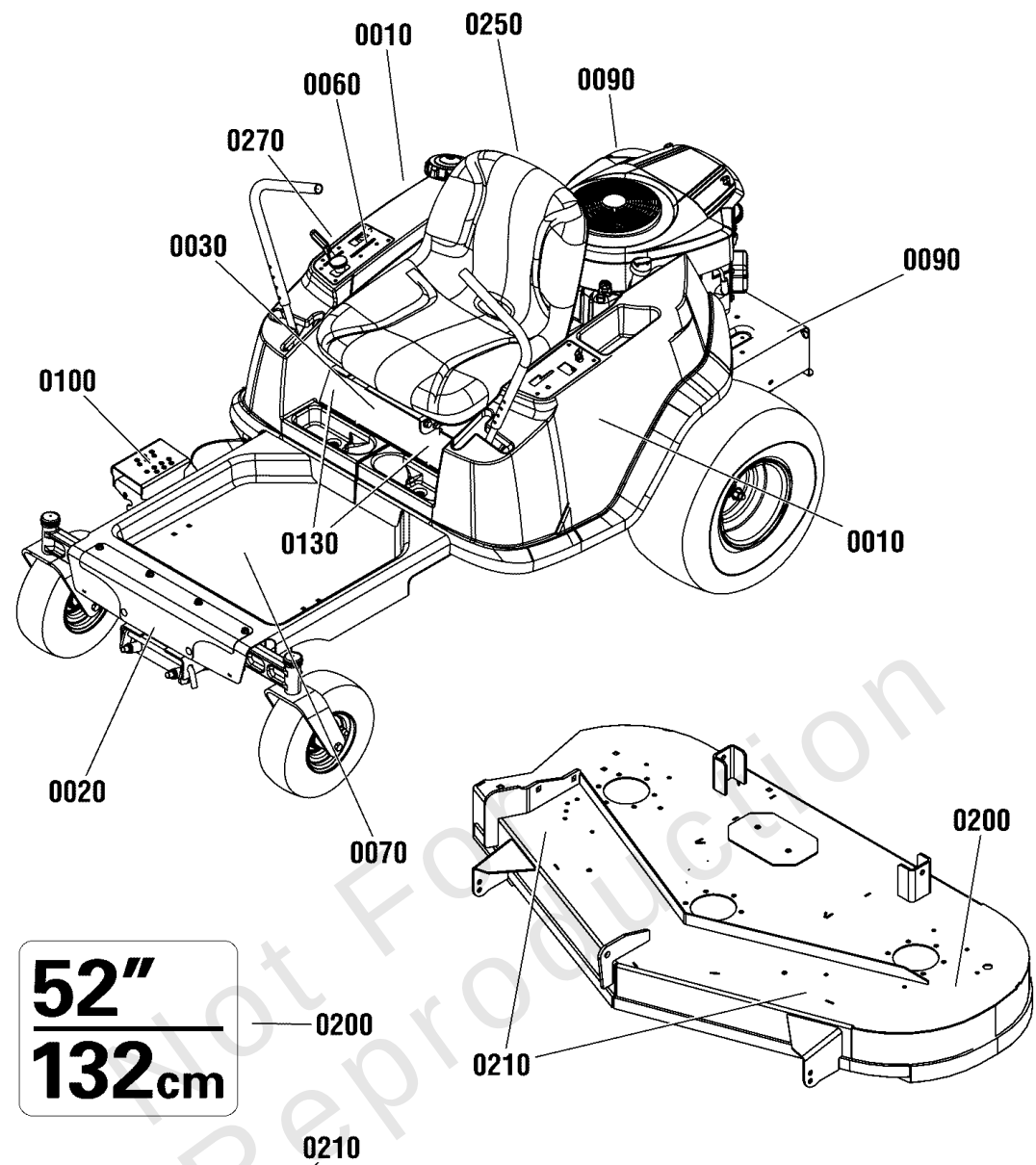
Controls Group

REF NO	PART NO	QTY	DESCRIPTION
0010	1758372YP	2	HANDLE, Control w/Grip
0020	703115	4	NUT, Flange Nylock, 5/16-18
0030	703483	4	BOLT, Carriage, 5/16-18 X 1
0040	1757965YP	2	ARM, Upper Control
0050	707624	2	BOLT, Shoulder, 5/16-18 X 3/8
0060	1757964YP	2	ARM, Lower Control
0070	2176440SM	4	BUSHING
0080	703949	10	SCREW, Washer Head, 5/16-18 X 5/8
0090	1758087AYP	2	PIVOT, Inner Control
0100	1960717SM	2	NUT, Speed, 5/16-1
0110	1758373YP	2	KNOB, Stud, 5/16-18 X 2 1/2
0120	1650347SM	2	SPRING, Compression
0130	5025211SM	4	PIN, Hair
0140	1758463YP	2	ROD, Dampener Mount
0150	1758152YP	2	DAMPENER, Control
0160	1759182YP	2	LATCH, Control Arm
0170	703101	4	BOLT, Carriage, 1/4-20 x 3/4 , GR5
0180	703463	4	NUT, Flange Nylock , 1/4-20
0190	707625	2	WASHER, Wave, 3/4

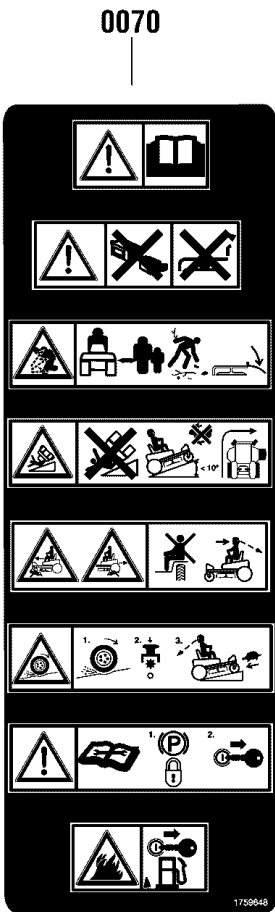
Decal Group

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ZTX350



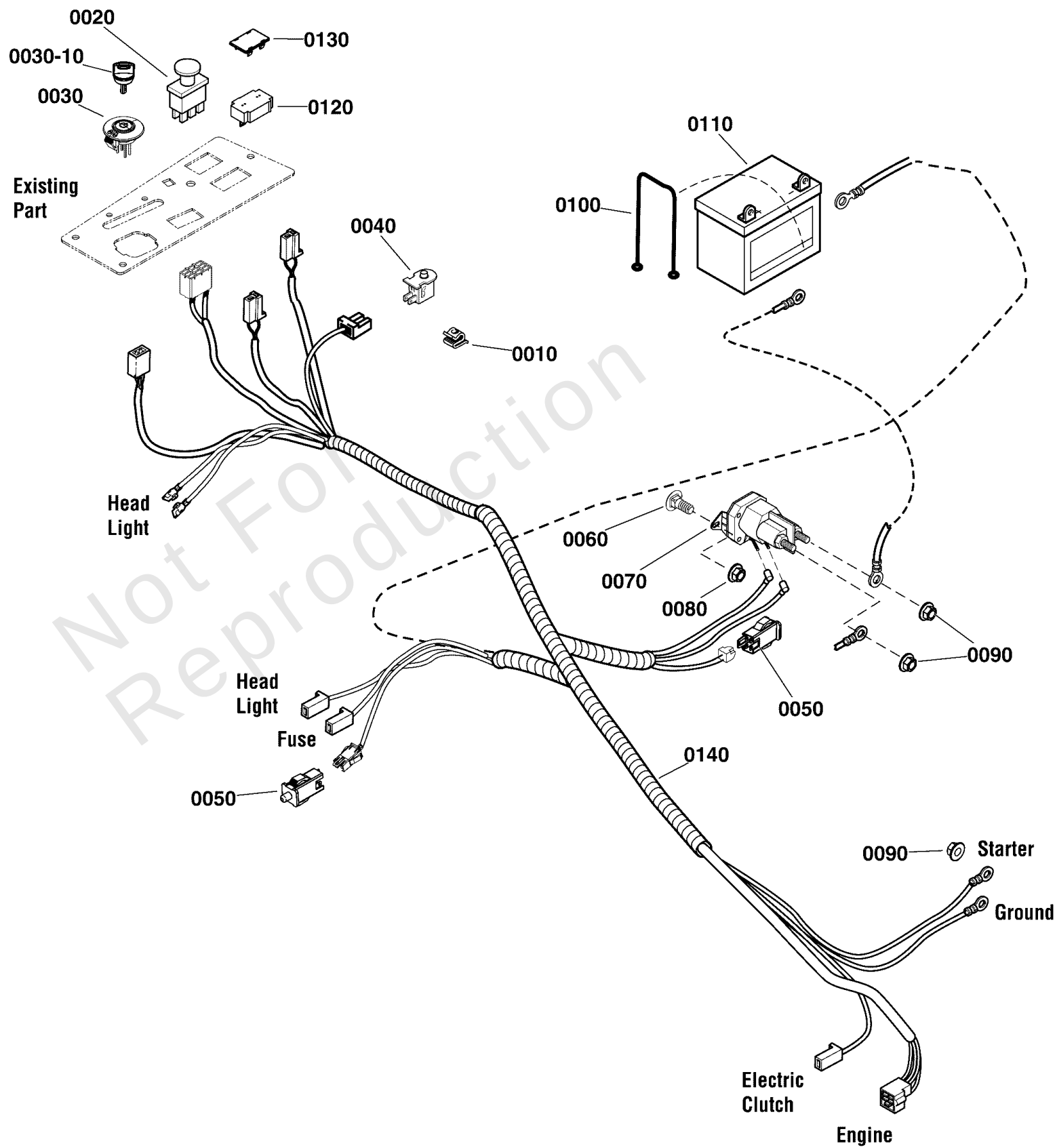
Decal Group

REF NO	PART NO	QTY	DESCRIPTION
0010	1760170YP	2	DECAL, Logo, Snapper
0020	1750913YP	1	DECAL, Logo, Snapper
0030	1760677YP	1	DECAL, SNP, ZTX350
0060	7105868YP	1	DECAL, Engine Speed - No Choke
0070	1759648YP	1	DECAL, Main Safety - ZT (CE)
0090	1758366YP	2	DECAL, Tow Valve Release
0100	1759253YP	1	DECAL, Height of Cut
0130	1759724YP	2	DECAL, Tracking Adjustment - ZT
0200	1755721YP	1	DECAL, Mower Width 52IN/132CM
0210	706111	2	DECAL, Discharge Safety
0250	709953	2	DECAL, EAC Compliance
0270	1760177YP	1	DECAL, Park Brake
0330	706112	2	LABEL, Solely For Export - Exempt US Emissions

Electrical Group w/Hourmeter

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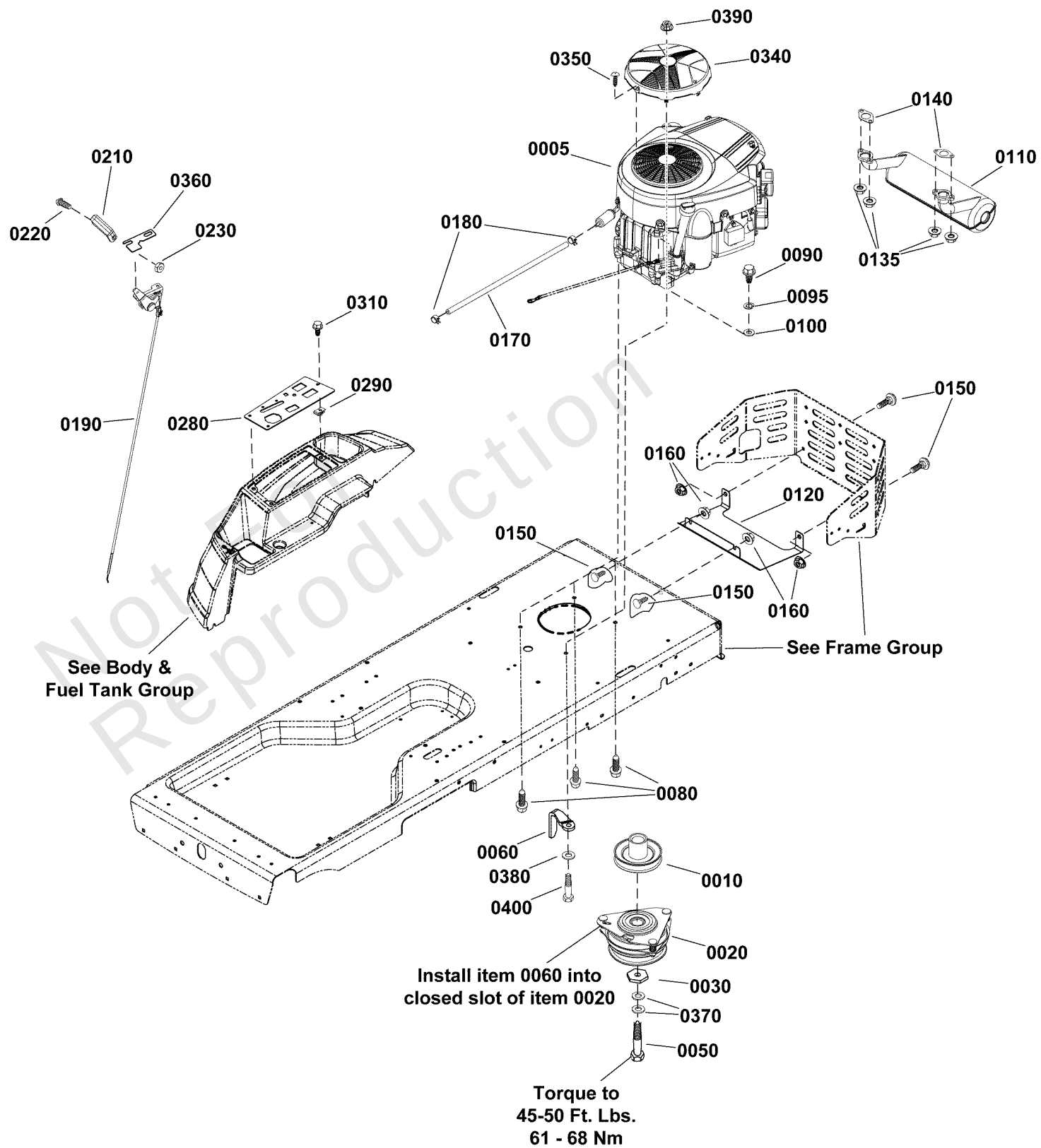
Electrical Group w/Hourmeter

REF NO	PART NO	QTY	DESCRIPTION
0010	2172434SM	1	CLIP, Wire, .390 Dia.
0020	1722887SM	1	SWITCH, PTO, Push/Pull
0030	7106169YP	1	SWITCH, Ignition, Delta (3 Postition)
0030-10	7106172YP	1	KEY, Ignition Switch - Pack of 2, CE/CAN
0030-10	7106170YP	1	KEY, Ignition Switch, Pack of 2, NA/AU
0040	7023354YP	1	SWITCH, Seat, Push Button (NC)
0050	7022886YP	2	SWITCH, DP, NO/NC, Snap-In
0060	1960252SM	2	BOLT, Carriage, 1/4-20 x 5/8
0070	1755382YP	1	SOLENOID, 1/4-20 STD, 2 Spade
0080	703463	2	NUT, Flange Nylock , 1/4-20
0090	703061	3	NUT, 1/4-20, Keps, Conical Washer
0100	1722009SM	1	STRAP, Rubber, 13"
0110	7060618YP	1	BATTERY, 12 Volt, 230 CCA
0120	1731185SM	1	HOUR METER, Digital, No Alarms
0130	1722611SM	1	PLUG, Hole, .85 X 1.73
0140	84002334	1	HARNESS, Main

Engine Group

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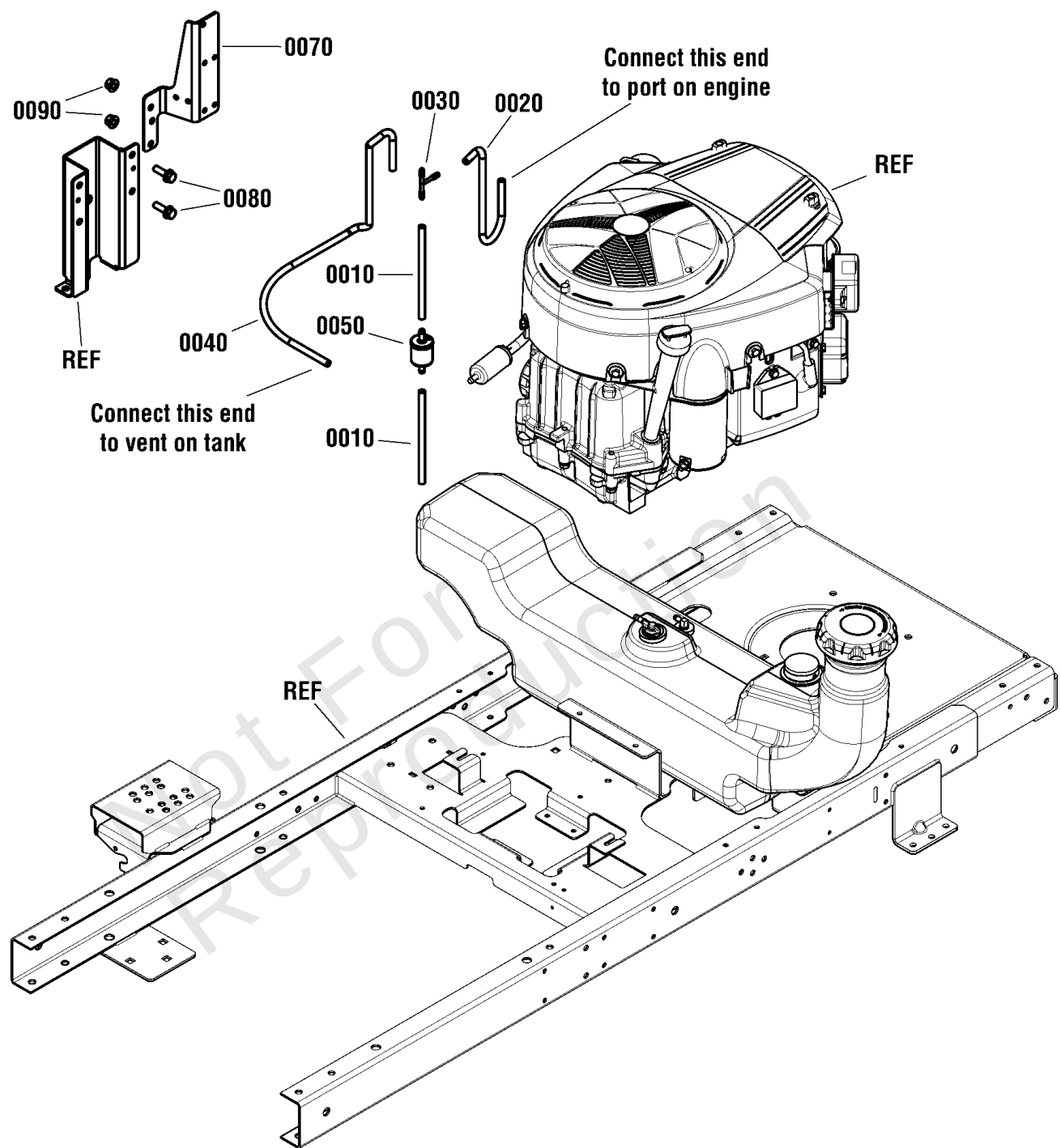


Engine Group

REF NO	PART NO	QTY	DESCRIPTION
0005	44U877-0030-B5	1	* ENGINE, B&S 8270 Professional Series -Mod. 44U877-0030-B5
0005	44U877-0003-B5	1	* ENGINE, B&S 8270 Professional Series -Mod. 44U877-0003-B5
0010	1757995YP	1	PULLEY ASSEMBLY
0020	1736105SM	1	CLUTCH, Ogura
0025	703586	1	TIE, Cable -(Not Shown)
0030	1708264SM	1	WASHER, Hex
0050	1960649SM	1	CAPSCREW, Hex Head, 7/16-20 X 3 1/2, G5
0060	1737421AYP	1	GUIDE, Belt
0080	2828635SM	3	SCREW, Taptite, 3/8-16 X 1 1/4
0090	703054	1	SCREW, Hex Washer Head, 1/4-20 x 5/8
0095	703332	1	WASHER, Flat, 1/4
0100	1921880SM	1	WASHER, Lock, 1/4
0110	1758350YP	1	MUFFLER
0120	1759502AYP	1	SHIELD, Heat
0135	690941	4	NUT
0140	690970	2	GASKET, Exhaust
0150	703185	4	BOLT, Carriage, 5/16-18 X 3/4
0160	703115	4	NUT, Flange Nylock, 5/16-18
0170	791766	1	LINE, Fuel
0180	93053B	2	CLAMP, Hose
0190	1759204YP	1	CONTROL, Throttle, 40"
0210	1739312YP	1	KNOB, Throttle
0220	797483	1	SCREW
0230	703460	1	NUT
0280	1759429AYP	1	PANEL, Control
0290	705876	3	NUT, Speed, 1/4-20
0310	7090999SM	5	SCREW, Phillips Head, 1/4-20 X 5/8
0340	797420YP	1	GUARD, Debris Screen
0350	799359	1	SCREW
0360	1760887YP	1	THROTTLE STOP
0370	5025585YP	2	BELLEVILLE, WASHER, 1.1875 X .442 X .089
0380	5025155SM	1	WASHER, 5/16
0390	5025392SM	1	NUT, Ny Lock Flange, 5/16-18
0400	5025011X14SM	1	CAPSCREW, Hex Head, 5/16-18 X 1-3/4

Footnotes:

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



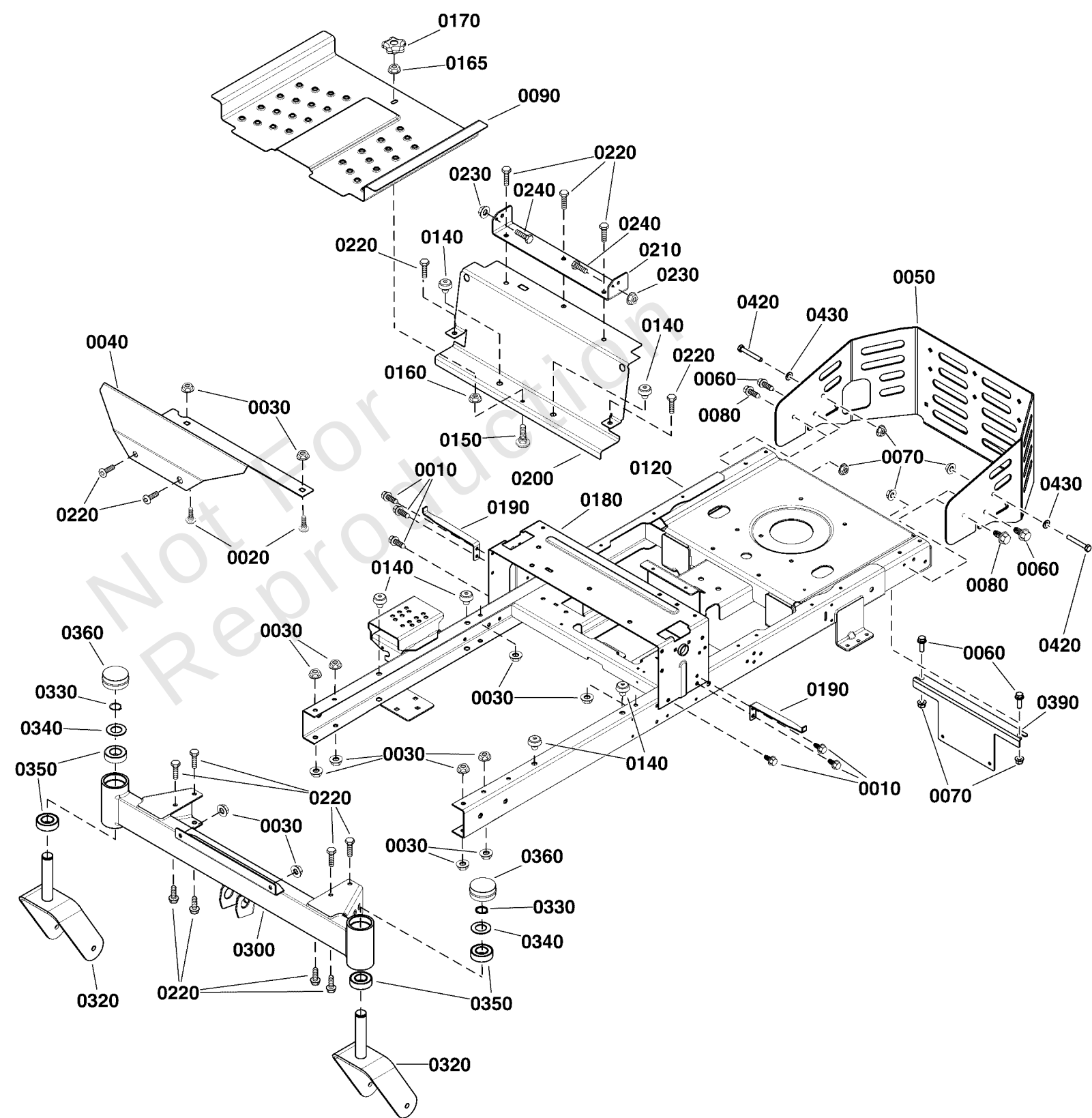
EVAP Group

REF NO	PART NO	QTY	DESCRIPTION
0010	7700552X6YP	2	HOSE, VAPOR, 5MM ID, 6.00 LG
0020	7700552X12YP	1	HOSE, Vapor, 5 MM ID X 9 MM OD X 12"
0030	5103062YP	1	FITTING, 3/16" TEE, BARB TYPE, HDPE
0040	7700552X26YP	1	HOSE, Vapor, 5 MM ID, 26.00 LG
0050	84001895	1	FILTER, Fuel
0060	5021030SM	5	TIE, 6" Self-Locking
0070	1760538AYP	1	BRACKET, Vent Hose Mount - BS Twin (BLK)
0080	703410	2	BOLT, Serrated Flange, 5/16-18 X 1.0
0090	703115	2	NUT, Flange Nylock, 5/16-18

Frame Group

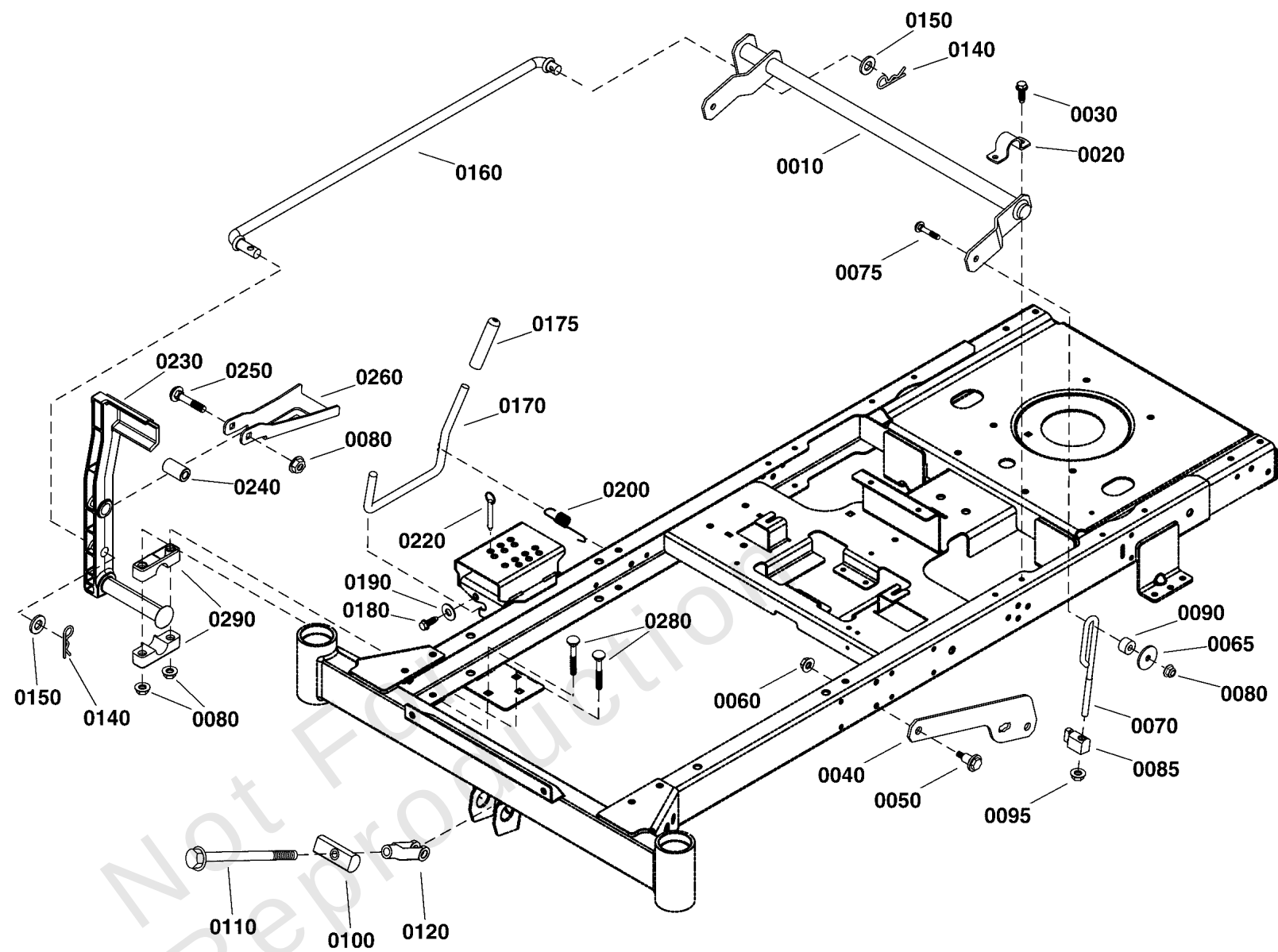
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Frame Group

REF NO	PART NO	QTY	DESCRIPTION
0010	703949	6	SCREW, Washer Head, 5/16-18 X 5/8
0020	703448	2	BOLT, Carriage, 3/8-16 X 3/4, GR5
0030	5025394SM	17	NUT, Hex Flange, Nylock, 3/8-16
0040	1758894DYP	1	FOOTREST
0050	1759970DYP	1	BUMPER, Rear (Red)
0060	703410	4	BOLT, Serrated Flange, 5/16-18 X 1.0
0070	703115	6	NUT, Flange Nylock, 5/16-18
0080	703228	2	SCREW, Washer Head Taptite, 5/16-18 X 3/4
0090	1757813DYP	1	PAN, Foot
0120	-----	1	FRAME, Fixed ZT
0140	197546GS	6	MOUNT, Vibration
0150	7090496YP	1	BOLT, Carriage, 1/4C X 1, GR5
0160	703233	1	NUT, Serrated, Flange, 1/4-20, GR5
0165	15X143MA	1	NUT, Center Lock, 1/4-20
0170	707785	1	KNOB, 5 Prong
0180	1758010DYP	1	BRACKET, Control
0190	1758240AYP	2	BRACKET, Fender
0200	1757796DYP	1	BRACKET, Brand
0210	1758835DYP	1	BRACKET, Seat
0220	707790	15	SCREW, Button Head, 3/8-16 X .88
0230	5025339YP	2	NUT, Hex, 8-32
0240	770013	2	SCREW, 8-32 X .50 LG, Hex Head Cap
0300	84001616	1	AXLE, Front, Red
0320	84003844	2	CASTER, Front, Red
0330	703993	2	RETAINER, Ring
0340	703199	2	WASHER, Flat
0350	1758354YP	4	BEARING, 25 MM
0360	5105524YP	2	CAP, Caster
0390	1759969DYP	1	GUARD, Transmission (Red)
0420	5025055X18YP	2	BOLT, 5/16-18 X 2-1/4
0430	703302	2	WASHER, Flat, 5/16



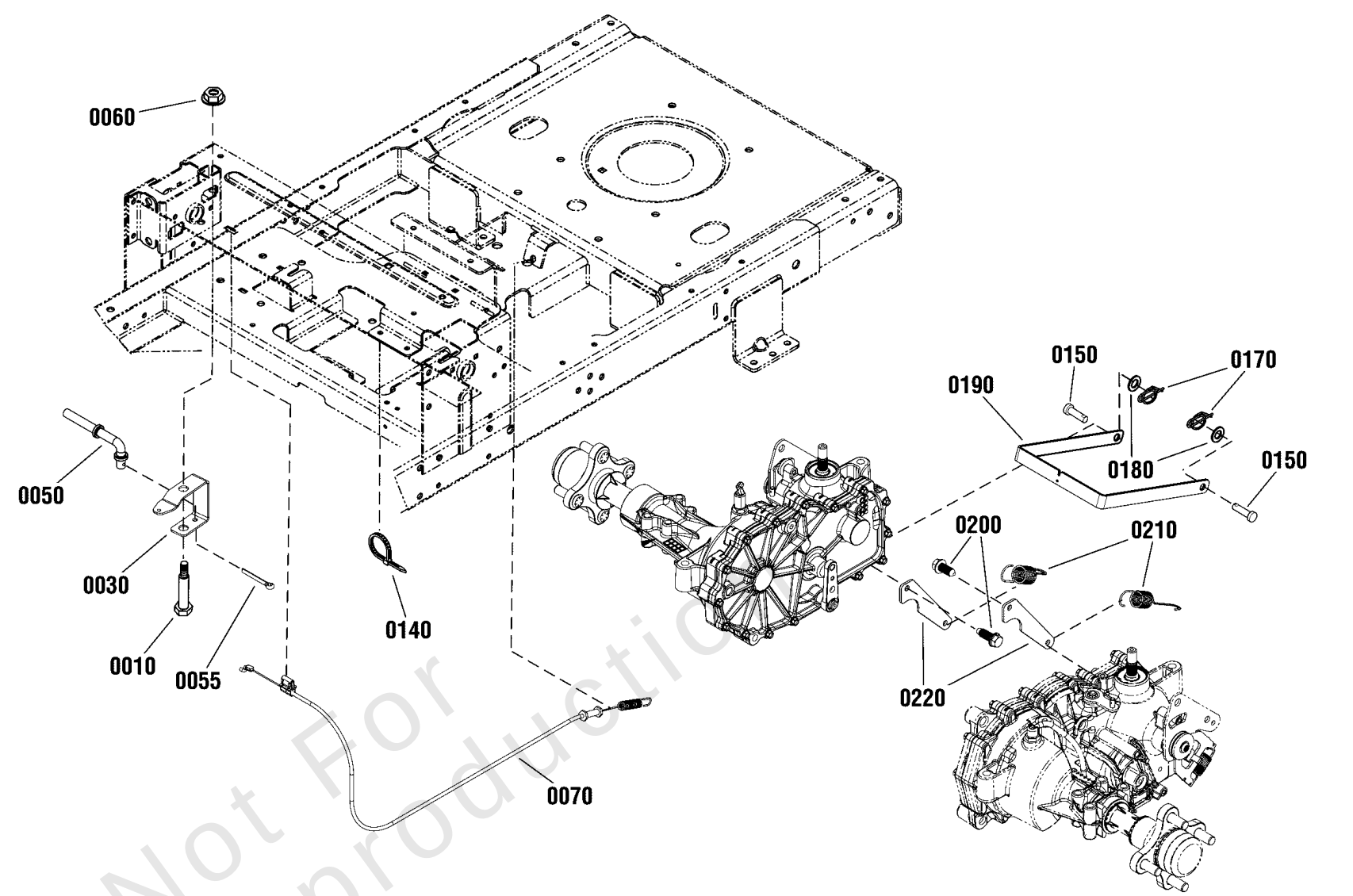
Lift Group

REF NO	PART NO	QTY	DESCRIPTION
0010	1757958AYP	1	SHAFT, Lift
0020	1720147BZYP	2	STRAP
0030	703949	4	SCREW, Washer Head, 5/16-18 X 5/8
0040	1757953AYP	2	ARM, Lift
0050	1732426SM	2	BOLT, Shoulder, 5/16-18
0060	703115	2	NUT, Flange Nylock, 5/16-18
0065	5025305SM	2	WASHER, .41 X 1.75 X .14
0070	84003818	2	ROD, Lift
0075	703406	2	CAPSCREW, Hex Head, 3/8-16 X 1 1/2, GR5
0080	703158	7	NUT, Hex Flange, 3/8-16
0085	84003820	2	TRUNNION
0090	5100334SM	2	SPACER
0095	770225	2	NUT, Flange, Nylock, 1/2-13
0100	1757955YP	1	PIVOT
0110	1757954YP	1	ROD, Hitch
0120	5023174SM	1	CLEVIS, 1/2-20
0140	403162MA	2	PIN, Hair, 3/32 X 1.6
0150	5025281SM	2	WASHER, 5/8
0160	1758121YP	1	ROD, Foot Assist
0170	5105717YP	1	ROD, Transport
0175	5021880SM	1	GRIP, FOAM, .475 X 4.35 X .095
0180	703054	2	SCREW, Hex Washer Head, 1/4-20 x 5/8
0190	5025288YP	2	WASHER, 1/4
0200	1758283YP	1	SPRING, Extension
0220	5103021YP	1	PIN, Hitch, 3/8 X 2 1/2
0230	1758232YP	1	PEDAL, Lift
0240	1756612YP	1	BUSHING
0250	7900009SM	1	BOLT, Carriage, 3/8-16 X 2 1/4
0260	1758284AYP	1	STOP, Height of Cut
0280	1960615SM	4	BOLT, Carriage, 3/8-16 X 2 1/2
0290	5100634SM	4	BLOCK

Parking Brake Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691713-00



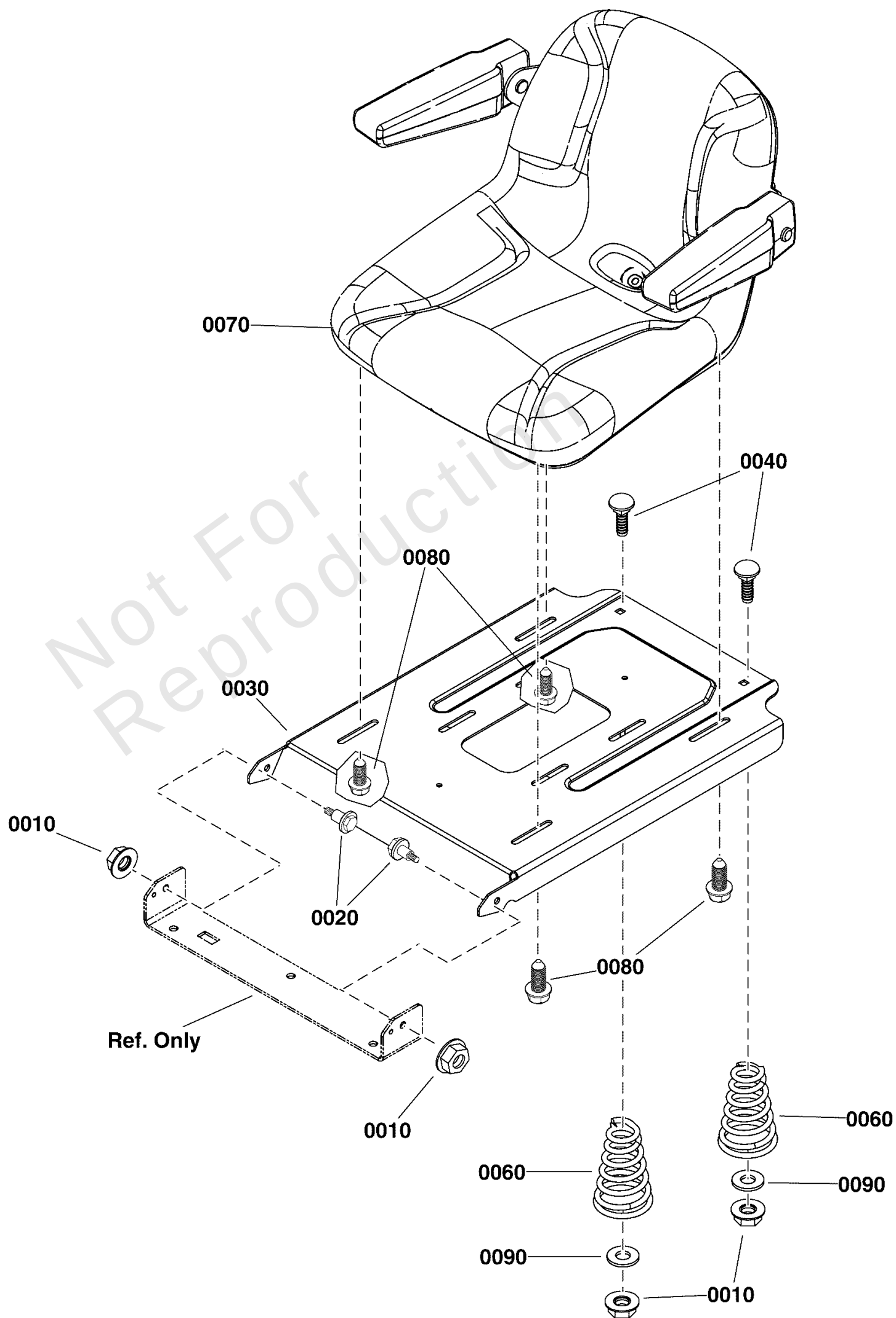
Parking Brake Group

REF NO	PART NO	QTY	DESCRIPTION
0010	1736539YP	1	BOLT, Shoulder, 3/8-16 X 3.41
0030	1758091YP	1	BELLCRANK, Parking Brake
0050	1758088YP	1	ROD, Parking Brake
0055	703312	1	PIN, Cotter, 3/32 X 3/4
0060	703158	1	NUT, Hex Flange, 3/8-16
0070	1759207YP	1	CABLE, Parking Brake
0140	703586	1	TIE, Cable
0150	7014779YP	2	PIN, Clevis, 5/16 x 3/4
0170	7091594SM	2	PIN, Cotter, 1/2
0180	703946	2	WASHER, Flat
0190	1758127AYP	1	ARM, Brake
0200	708964	2	SCREW, Taptite, M6 x 1.0-12
0210	1758283YP	2	SPRING, Extension
0220	1759362YP	2	BRACKET, Spring

Seat Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691713-00



Seat Group

REF NO	PART NO	QTY	DESCRIPTION
0010	703115	4	NUT, Flange Nylock, 5/16-18
0020	1752802YP	2	BOLT, Shoulder, 5/16-18 x 1.03LG
0030	84001618	1	SLIDE, Seat, Red
0040	703483	2	BOLT, Carriage, 5/16-18 X 1, GR5
0060	1717051SM	2	SPRING, Seat
0070	84003851		SEAT ASSEMBLY w/Armrests
0080	770697	4	SCREW, Hex Flange, 5/16-18 x 1
0090	703591	4	WASHER, Flat, 13/32 x 1 1/2 x 1/8

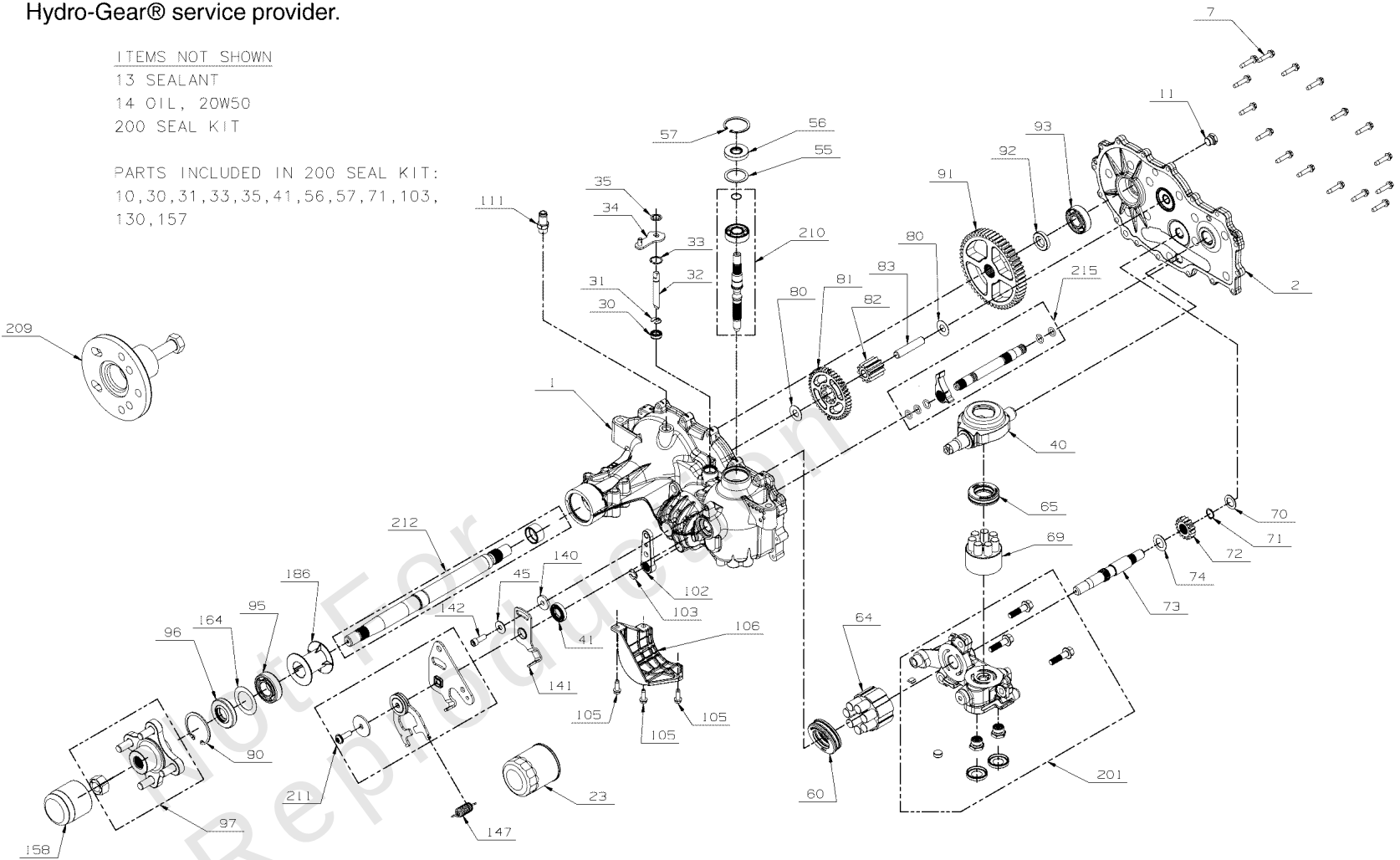
Service Parts Schematic for Hydro-Gear® Transaxles:
ZH-JPBB-3F7B-2XLX (1759446)
ZH-MPBB-3F7C-3XLX (1759445)

For components not listed see your authorized
Hydro-Gear® service provider.

ITEMS NOT SHOWN

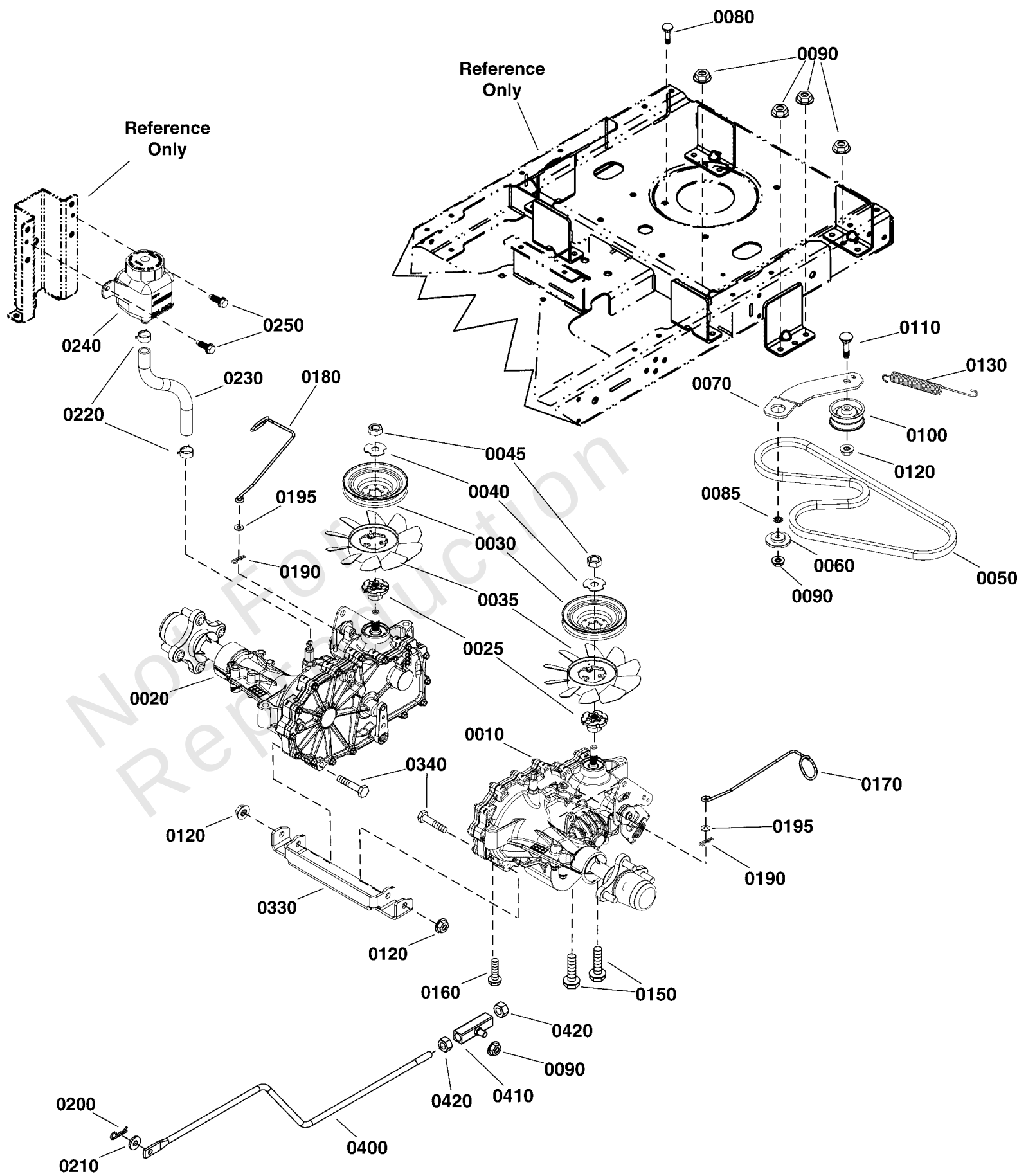
13 SEALANT
14 OIL, 20W50
200 SEAL KIT

PARTS INCLUDED IN 200 SEAL KIT:
10, 30, 31, 33, 35, 41, 56, 57, 71, 103,
130, 157



Transaxle SERVICE Parts - Hydro-Gear ZT2800

REF NO	PART NO	QTY	DESCRIPTION
23	5101026X1SM	1	FILTER, OIL,
56	5022905X16SM	1	SEAL, Lip, .67 x 1.58 x .276
57	5101026X4SM	1	RING, RET 2.06 INT,
90	5101026x17YP	1	RING, RETAINING 2.25 INTERNAL (50859)
93	5101026x18SM	1	KIT, BEARING (72749)
96	5101026x16YP	1	SEAL, LIP, AXLE,#53699
97	7600158YP	1	KIT, Hub Replacement
102	5103750YP	1	ARM, Brake
103	5104055YP	1	E-CLIP, Brake Arm
147	5101026x19YP	1	SPRING, Extension (52401)
186	5103589X9YP	1	DEBRIS GUARD HG #53496
200	5101026X8SM	1	KIT SEAL



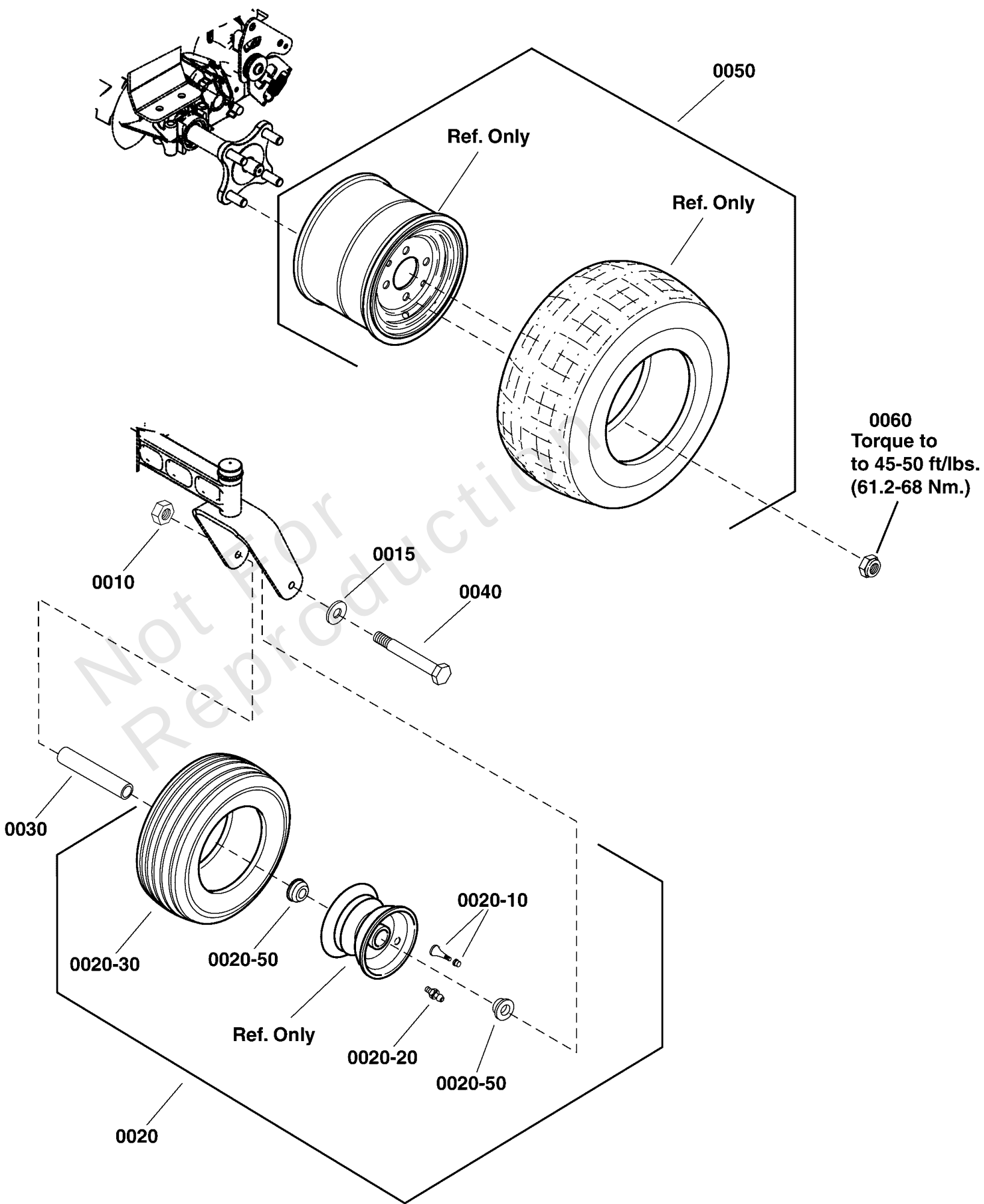
Transmission Group

REF NO	PART NO	QTY	DESCRIPTION
0010	84003845	1	TRANSMISSION, LH, Hydro Gear ZT 2800 -(Hydro Gear part Nos. ZH-JPBB-3F7B-2XLX)
0020	84003846	1	TRANSMISSION, RH, Hydro Gear ZT 2800 -(Hydro Gear part Nos. ZH-MPBB-3F7C-3XLX)
0025	84003847	2	SPACER, Transmission, 17 Tooth Spline
0030	1759447YP	2	PULLEY, Transmission
0035	1759448YP	2	FAN, Input
0040	5102914YP	2	WASHER, Slotted
0045	5102916YP	2	NUT, ZT5400
0050	1758100YP	1	BELT, Transmission
0060	1727935SM	1	SPACER, Pivot
0070	1758044AYP	1	ARM, Idler
0080	703800	1	BOLT, Carriage, 5/16-18 X 1
0085	703297	1	RETAINER, 5/16 X 5/8
0090	703115	11	NUT, Flange Nylock, 5/16-18
0100	1668477SM	1	PULLEY, Idler, 2.25" OD, .378 ID
0110	703879	1	BOLT, Carriage, 3/8-16X1-3/4, GR5
0120	5025394SM	3	NUT, Hex Flange, Nylock, 3/8-16
0130	1758045YP	1	SPRING, 7.18"Long, .75" OD, Extension
0150	707943	4	SCREW, Washer Head, 5/16-18 X 3
0160	707944	4	SCREW, Washer Head, 5/16-18 X 2 1/4
0170	1759245YP	1	ROD, Release, LH
0180	1759246YP	1	ROD, Release, RH
0190	703430	2	PIN, 13X1.19
0195	703332	2	WASHER, Flat, 1/4
0200	703300	2	PIN, Hair, 3/32 x 1 5/8
0210	704128	2	WASHER, Flat
0220	5025474SM	4	CLAMP, Hose .75"
0230	5050857X9SM	2	HOSE, 1/2" Push-On, 9"
0240	5100473SM	2	RESERVOIR, Hydro
0250	703054	4	SCREW, Hex Washer Head, 1/4-20 x 5/8
0330	1759172AYP	1	SUPPORT, Front Transmission
0340	5025013X20SM	2	BOLT, 3/8-16 X 2-1/2"
0400	84002180	2	CONTROL ROD, Transmission
0410	84002181	2	TRUNNION
0420	7090460SM	4	NUT, 7/16F, GR5, Hex
0500	7600158YP	1	KIT, Hub Replacement

Wheel & Tire Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691713-00



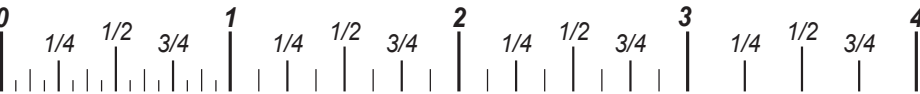
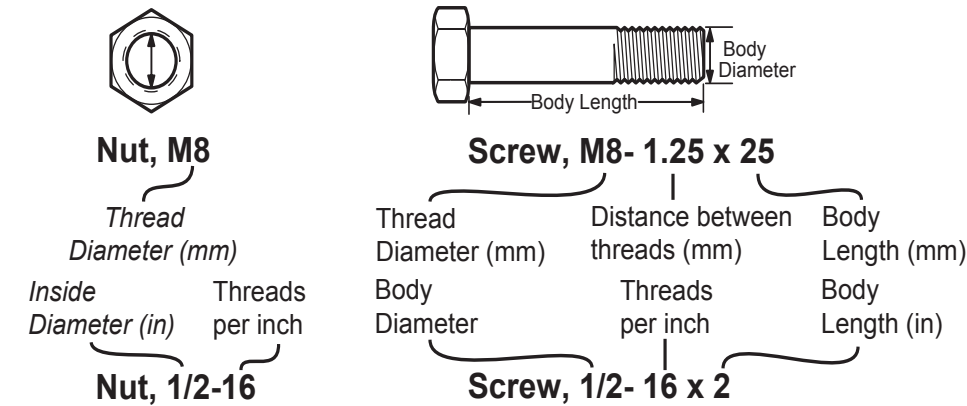
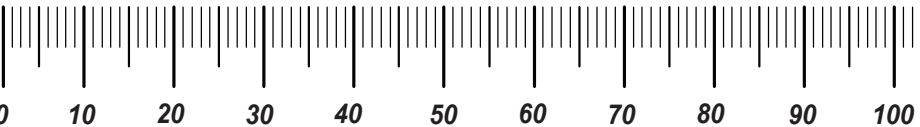
Wheel & Tire Group

REF NO	PART NO	QTY	DESCRIPTION
0010	1930650SM	2	NUT, Hex Two Way, 7/16-14
0015	703183	2	WASHER, 7/16
0020	84003826	2	FRONT WHEEL ASSEMBLY
0020-10	2172353SM	4	VALVE STEM & CAP
0020-20	7104428YP	2	ZERK, Grease
0020-30	84004709	2	TIRE, 11 x 6-5
0020-50	84003829	4	BEARING, Ball
0030	84003827	2	TUBE, Caster Wheel
0040	84003828	2	CAPSCREW, Hex Head, 7/16-14 x 7
0050	1758079YP	2	ASSEMBLY, Wheel Rear, 20 X 10-10
0060	5020601SM	8	NUT, Lug, 1/2-20

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).

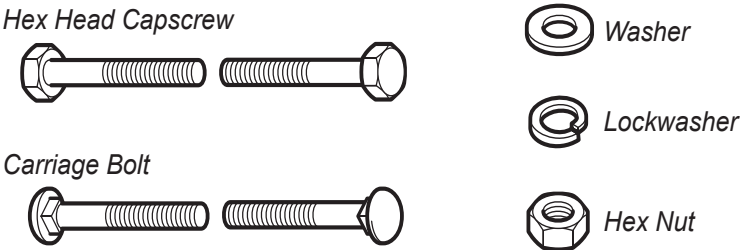
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

