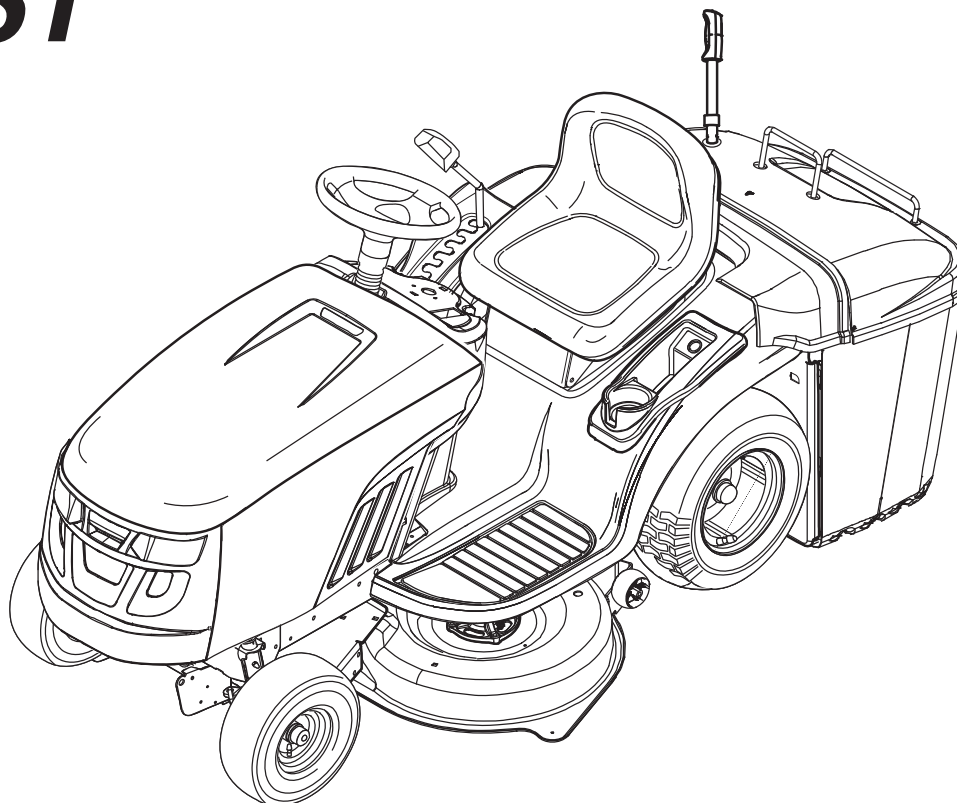




PARTS LIST



16.5HP Models

Mfg. No.	Description
2690927	EMT16538RD, 16.5HP 38" Murray Rear Discharge Lawn Tractor (2011)
2690934	EMT16538RDF, 16.5HP 38" Murray Rear Discharge Lawn Tractor, FR (2011)

Manual Part No. 1752154

Revision B

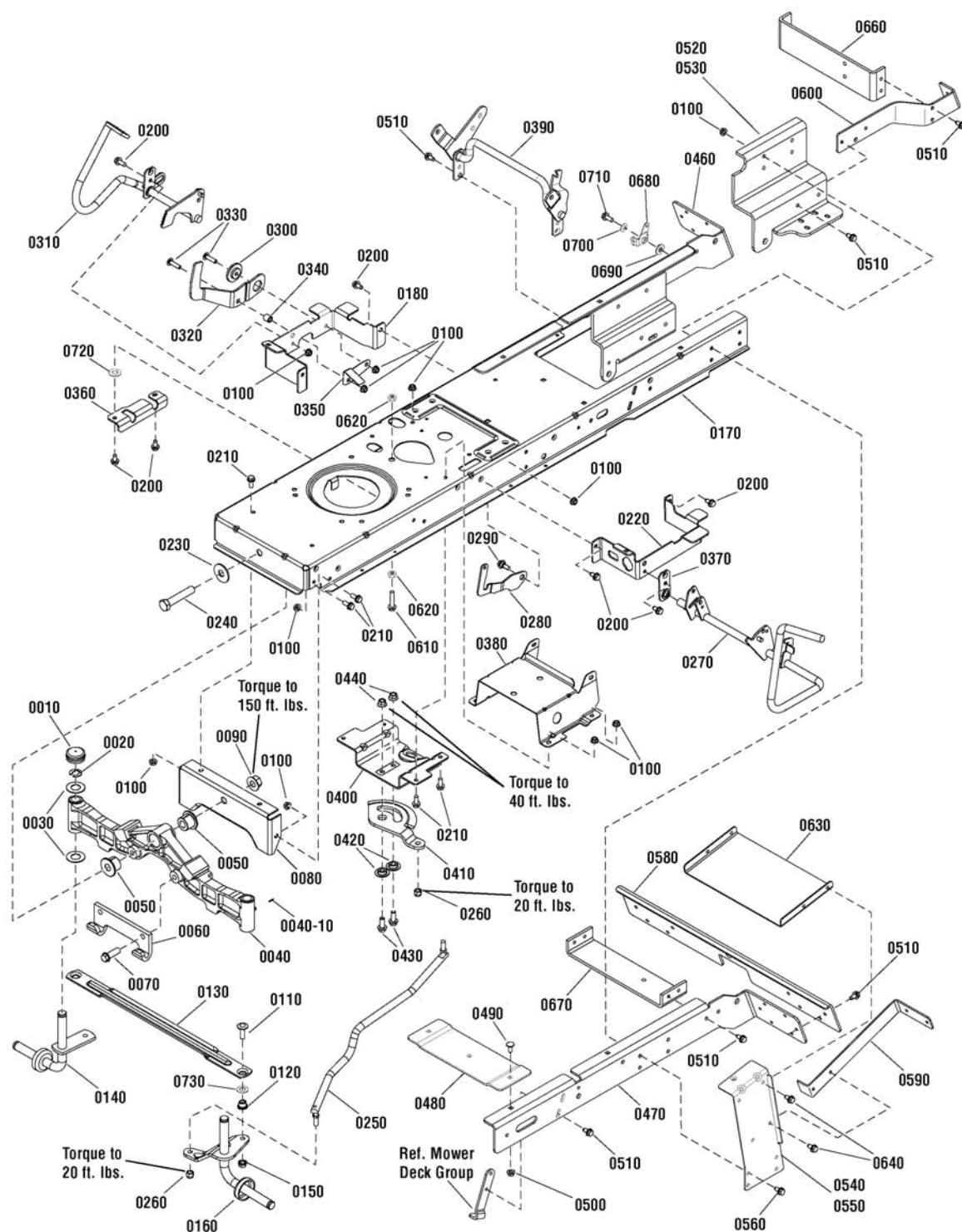
Rev. Date: 7/6/2011

PRODUCT COMPONENTS	PAGES
Frame Group	4
Steering Group	8
Engine Group - 16.5HP	10
Transmission Group	12
Transmission SERVICE PARTS - Hydro Gear 324-0610	14
Controls Group	20
Electrical Group	22
Hood, Grille & Dash Group	26
Seat Deck & Fuel Tank	28
Lift Group	30
Wheel & Tires Group	32
Decal Group	34
Collector Group	36
Guard Group - 38" RD	40
38" Mower Deck - Clutch Group	42
38" Mower Deck - Housing, Arbors & Blade	44
38" Mower Deck - Support Group	46
Torque Specification Chart	Inside Back Cover

Frame Group

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

885449



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

2690927 - EMT16538RD

2690934 - EMT16538RDF

Frame Group

REF NO	PART NO.	QTY.	DESCRIPTION
0010	1734135SM	2	CAP, Hub
0020	1611710SM	2	RING, Klipring Extension
0030	2860183SM	4	WASHER, 3/4
0040	1728018SM	1	AXLE, Front
0040-10	1704314SM	3	FITTING, Zerk
0050	1730186SM	2	BUSHING, Axle Pivot
0060	1721918ASM	1	HOOK, "J"
0070	1960652SM	2	CAPSCREW, 7/16-14 x 1-1/2
0080	1727902SM	1	PLATE, Axle Support
0090	2860646SM	1	NUT, Hex Flange Two-Way Lock, 5/8-11
0100	1931277SM	16	NUT, Hex Flange, Whiz Lock, 5/16-18
0110	1960032SM	2	CAPSCREW, Hex Head, 3/8-16 x 1-1/4, .141 Thread G5
0120	1731912SM	2	BUSHING, Powdered Metal
0130	1751964YP	1	ROD, Tie
0140	1727872ASM	1	SPINDLE & CUP ASSEMBLY, R.H.
0150	1930645SM	2	NUT, Hex, Flange, Locking, 3/8-16
0160	1727873ASM	1	SPINDLE & ARM ASSEMBLY, L.H.
0170	885414AYP	1	FRAME
0180	1727904SM	1	SUPPORT, Front Footrest R.H.
0200	1930601SM	8	SCREW, Taptite, 5/16-18 x 5/8
0210	1930591SM	10	CAPSCREW, Hex Head, Flange Whiz Lock, 5/16-18 x 3/4
0220	885536AYP	1	SUPPORT, Front Footrest L.H.
0230	1960035SM	1	WASHER, Flat, 5/8
0240	2860744SM	1	CAPSCREW, Hex Head, 5/8-11 x 3-1/4 G5
0250	1727868SM	1	LINK, Drag
0260	1960747SM	2	NUT, Hex Nylock, 3/8-24
0270	885471AYP	1	PEDAL ASSEMBLY, Brake
0280	1735595YP	1	LATCH, Brake Lock
0290	1729576SM	1	BOLT, Shoulder, 5/16-18 x 1-1/8
0300	1727935SM	1	SPACER, Pivot
0310	1736714AYP	1	PEDAL ASSEMBLY, Forward
0320	1727246SM	1	PEDAL, Reverse
0330	1960223SM	2	BOLT, Carriage, 5/16-18 x 1-1/4
0340	1728024SM	2	SPACER, Foot Pedal
0350	1728025BMYP	1	ACTUATOR, RMO Switch
0360	885591AYP	1	BRACKET, Pedal Pivot
0370	1727911ASM	2	PLATE, Bearing
0380	1727282SM	1	SUPPORT, Battery
0390	885579AYP	1	LIFT SHAFT ASSEMBLY
0400	1727940SM	1	BRACKET, Sector Support
0410	1728027SM	1	GEAR, Steering
0420	1728122SM	2	SPACER, Sector Gear

Footnotes

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

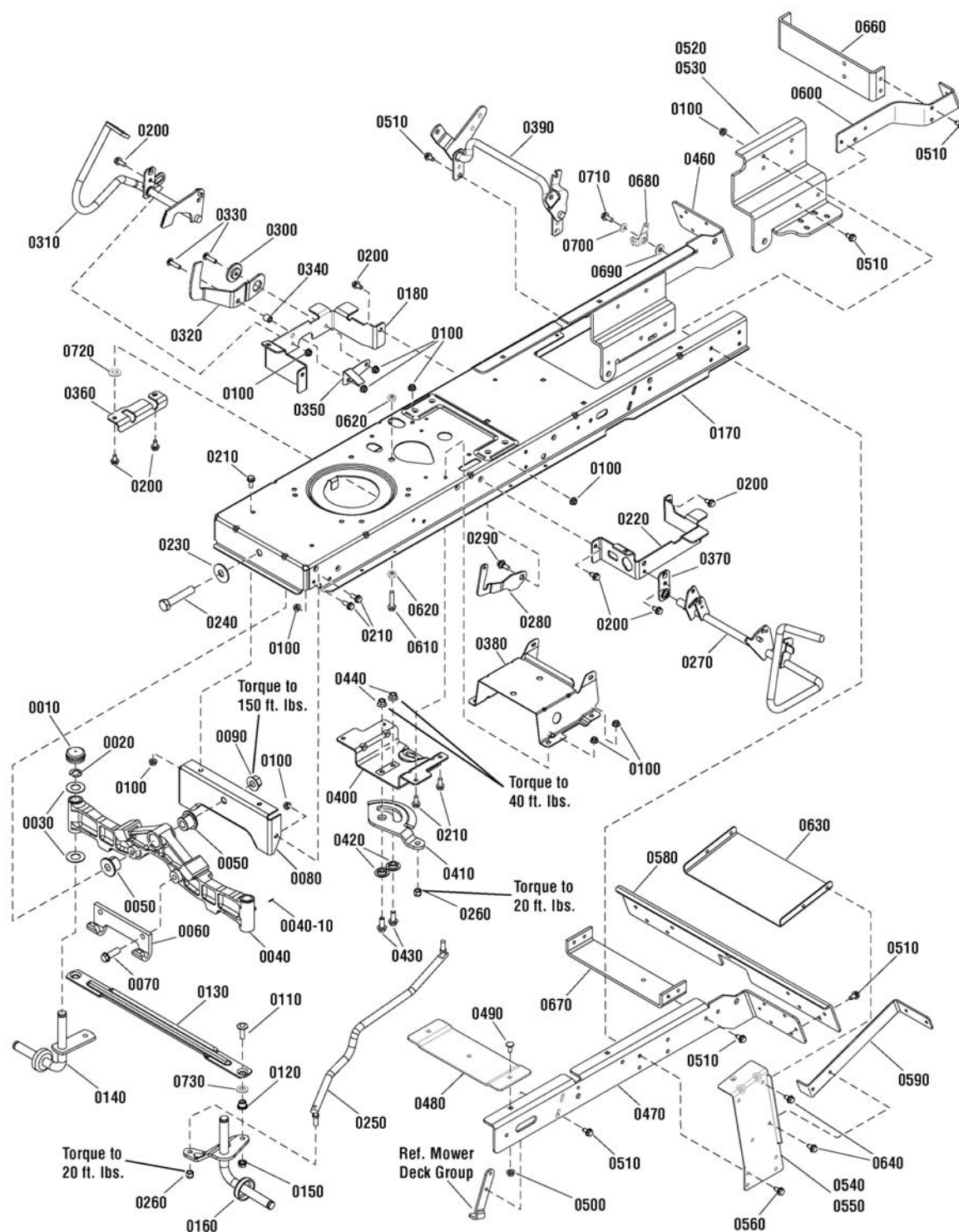
2690927 - EMT16538RD

2690934 - EMT16538RDF

Frame Group

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

885449



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

2690927 - EMT16538RD

2690934 - EMT16538RDF

Frame Group

REF NO	PART NO.	QTY.	DESCRIPTION
0430	1934654SM	2	SCREW, Hex Flange, Whiz Lock, 3/8-16 x 1
0440	1930645SM	2	NUT, Hex Flange, Two Way Lock, 3/8-16
0460	885508AYP	1	BRACKET, Rear Frame, RH
0470	885509AYP	1	BRACKET, Rear Frame, LH
0480	885532AYP	1	BRACE, Middle Cross
0490	1931333SM	5	BOLT, Carriage, Short Neck, 5/16-18 x 3/4, G5
0500	1931277SM	5	NUT, Hex Flange, Whiz Lock, 5/16-18
0510	1664847SM	23	CAPSCREW, Hex Washer Head, Taptite, 5/16-18 x 3/4
0520	885474AYP	1	BRACKET, Transaxle, RH
0530	885475AYP	1	BRACKET, Transaxle, LH
0540	885411AYP	1	SUPPORT, Deck, RH
0550	885412AYP	1	SUPPORT, Deck, LH
0560	1921333SM	8	CAPSCREW, Hex Head, 5/16-18 x 1, G5
0580	885469AYP	1	BRACKET, Middle Back Plate
0590	885466AYP	2	SUPPORT, Upper, Back Plate
0600	885467AYP	2	SUPPORT, Lower, Back Plate
0610	7091822YP	1	BOLT, 1/2-13 x 5
0620	5025038SM	2	NUT, Hex, 1/2-13
0630	885503AYP	1	BRACE, Cross Deck Support
0640	1664847SM	4	CAPSCREW, Hex Washer Head, Taptite, 5/16-18 x 3/4
0660	885441AYP	1	BRACKET, Torque
0670	885486AYP	1	BRACKET, Idler Mount
0680	1728990ASM	1	CLEVIS, Lift
0690	1727935SM	1	SPACER, Pivot
0700	1960044SM	1	WASHER, 5/16
0710	1921333SM	1	CAPSCREW, Hex Head, 5/16-18 x 1, G5
0720	1919326SM	2	WASHER, 5/16
0730	1960703SM	2	WASHER, 5/8

Footnotes

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

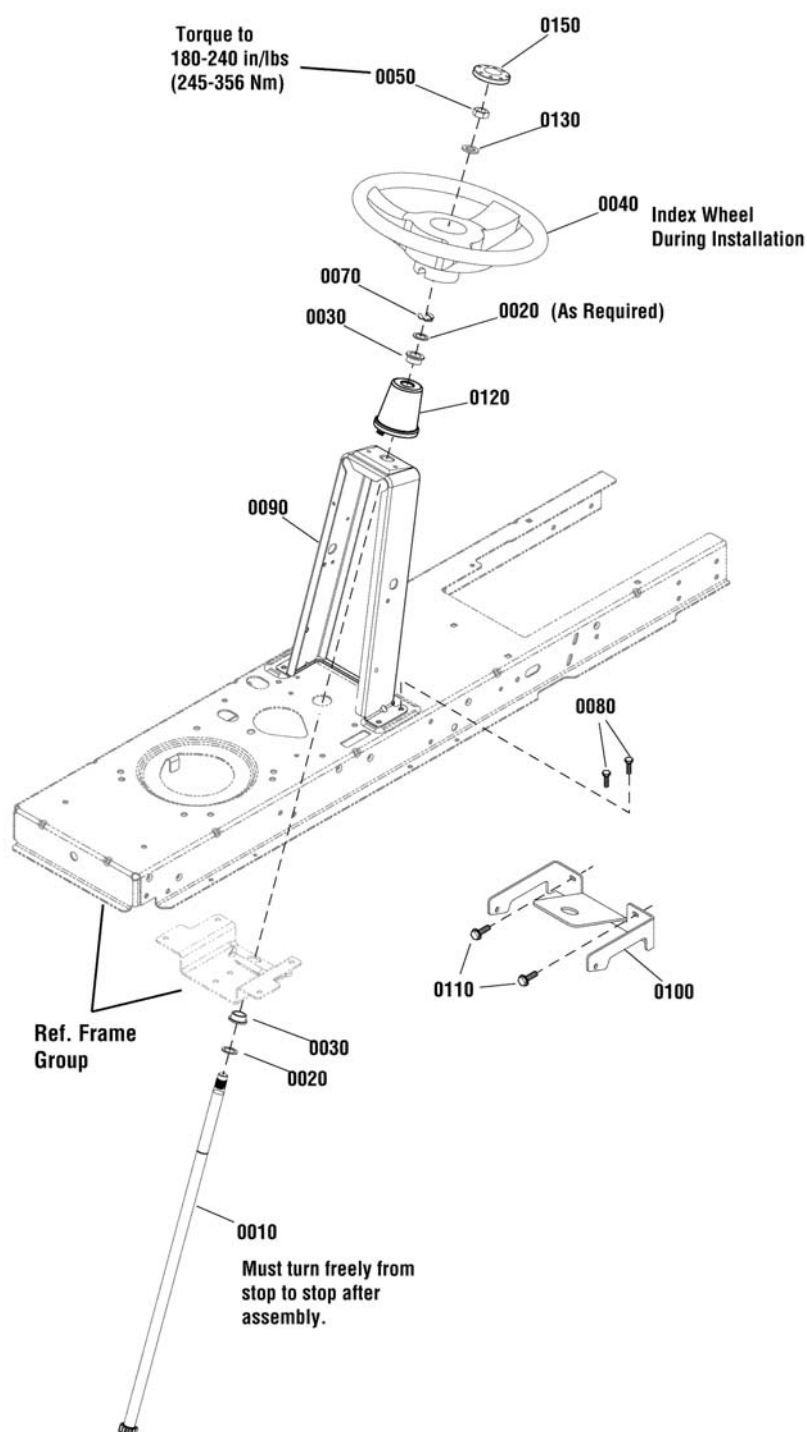
2690927 - EMT16538RD

2690934 - EMT16538RDF

Steering Group

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

885553



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

2690927 - EMT16538RD
2690934 - EMT16538RDF

Steering Group

REF NO	PART NO.	QTY.	DESCRIPTION
0010	1727813SM	1	SHAFT, Steering Gear & Spline Yellow
0020	1960114SM	2	WASHER, 3/4 x 1
0030	1729665SM	2	BUSHING, Steering
0040	1728069SM	1	STEERING WHEEL
0050	1960576SM	1	NUT, Hex Lock, ESNA Light, 5/8-18, Thin
0070	1611710SM	1	RING, Klipring Extension
0080	1930601SM	4	SCREW, Hex Washer Head, Taptite
0090	885530AYP	1	TOWER
0100	7300653ZYP	1	BRACKET, Tank
0110	1925003SM	2	CAPSCREW, Hex Head, Taptite, 1/4-20 x 1/2
0120	1727999SM	1	COVER, Steering Shaft
0130	1924366SM	1	WASHER, 5/8 x 1-1/8
0150	1725024SM	1	CAP, Steering Wheel, Plain

Footnotes

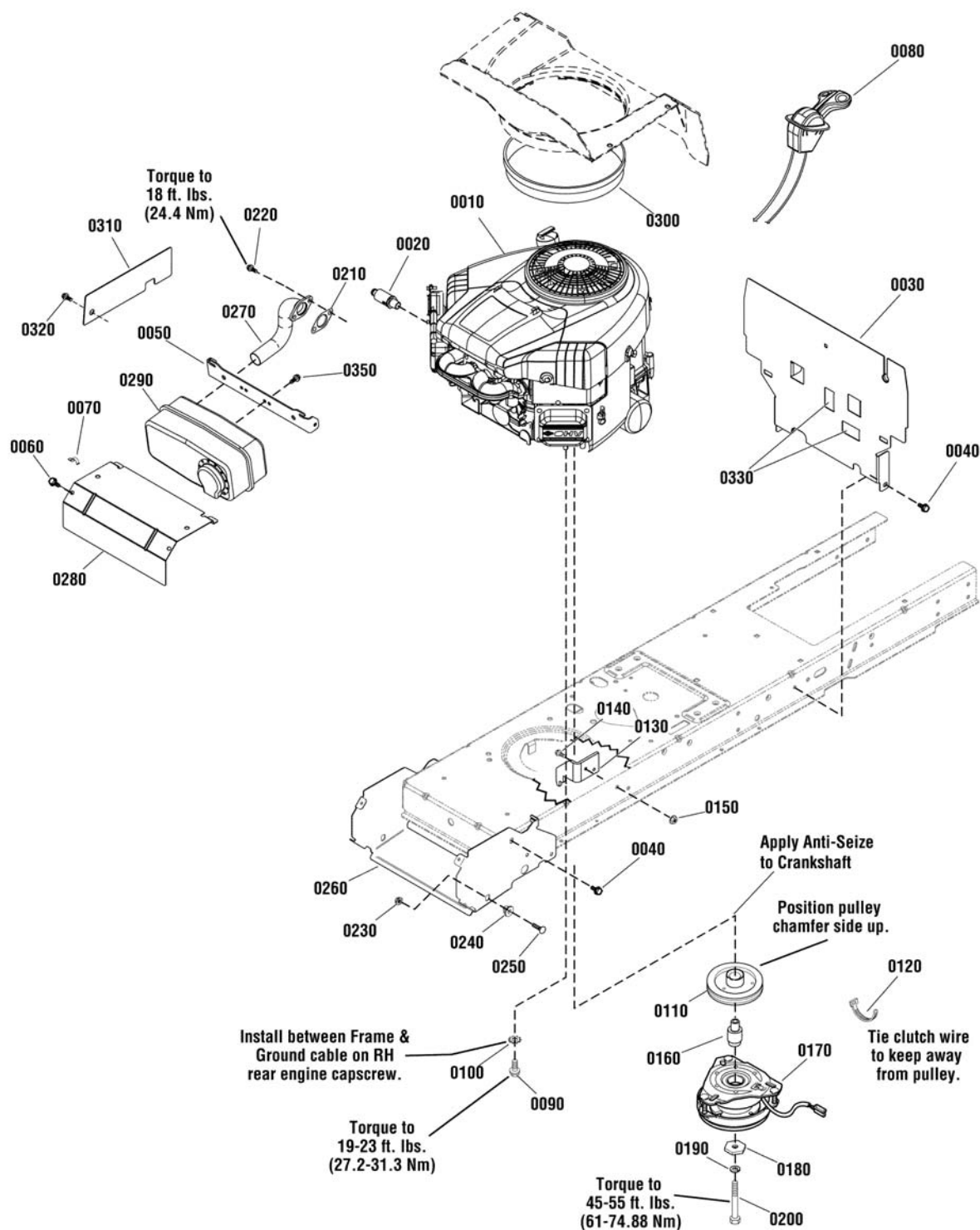
The above parts group applies to the following Mfg. Nos.:

2690927 - EMT16538RD
2690934 - EMT16538RDF

Engine Group - 16.5HP

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

885438



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

2690927 - EMT16538RD

2690934 - EMT16538RDF

Engine Group - 16.5HP

REF NO	PART NO.	QTY.	DESCRIPTION
0010	31E777-0142-B1	1	* ENGINE, 16.5HP Briggs & Stratton (Engine Model: 31E777-0142-B1)
0020	1750159YP	1	VALVE, Shut Off Oil Drain
0030	1728058SM	1	HEAT SHIELD
0040	1930601SM	8	SCREW, Hex Washer, Taptit, 5/16-18 x 5/8
0050	1727976SM	1	SUPPORT, Muffler
0060	794844	2	CAPSCREW, Socket Head
0070	2834683SM	1	WIRE CLIP
0080	885440YP	1	THROTTLE CONTROL, Double
0090	2827187SM	4	SCREW, Hex Washer, Taptit, 3/8-16 x 1
0100	2820427SM	1	LOCKWASHER, External Tooth
0110	1732576SM	1	PULLEY & HUB ASSEMBLY, Engine
0120	1701011SM	2	TIE, Self Locking
0130	885535AYP	1	BRACKET, Electric Clutch Torque
0140	1921332SM	2	CAPSCREW, Hex Head, 5/16-18 x 3/4, G5
0150	1931277SM	2	NUT, Hex Flange, Whiz Lock, 5/16-18
0160	885427YP	1	SPACER, Electric Clutch
0170	885443YP	1	CLUTCH, Electric
0180	1708264SM	1	WASHER, 7/16
0190	7091301YP	1	LOCKWSHER, Spring
0200	7102075YP	1	CAPSCREW, Hex Head, 7/16-20 x 5
0210	1731214SM	1	GASKET, Exhaust
0220	690341	2	SCREW, Hex SEMS Lock Washer 5/16-18 x 7/8
0230	1931277SM	2	NUT, Hex Flange, 5/16-18
0240	1728086SM	2	PIVOT, Hood
0250	1931335SM	2	BOLT, Carriage, 5/16-18 x 1
0260	1727982SM	1	BRACKET, Muffler
0270	1728959SM	1	EXHAUST PIPE
0280	1727996SM	1	HEAT SHIELD
0290	885615YP	1	MUFFLER, Briggs & Stratton, Single
0300	1734166SM	1	EDGING, Rubber
0310	1736025BMYP	1	GUARD, Pulley
0320	1930601SM	1	CAPSCREW, Hex Washer Head, Taptite, 5/16-18 x 5/8
0330	7070814SM	4	TRIM
0350	794844	3	CAPSCREW, Socket Head, Torx Recess

Footnotes

Note* For information on Replacement Parts contact the engine manufacturer.

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

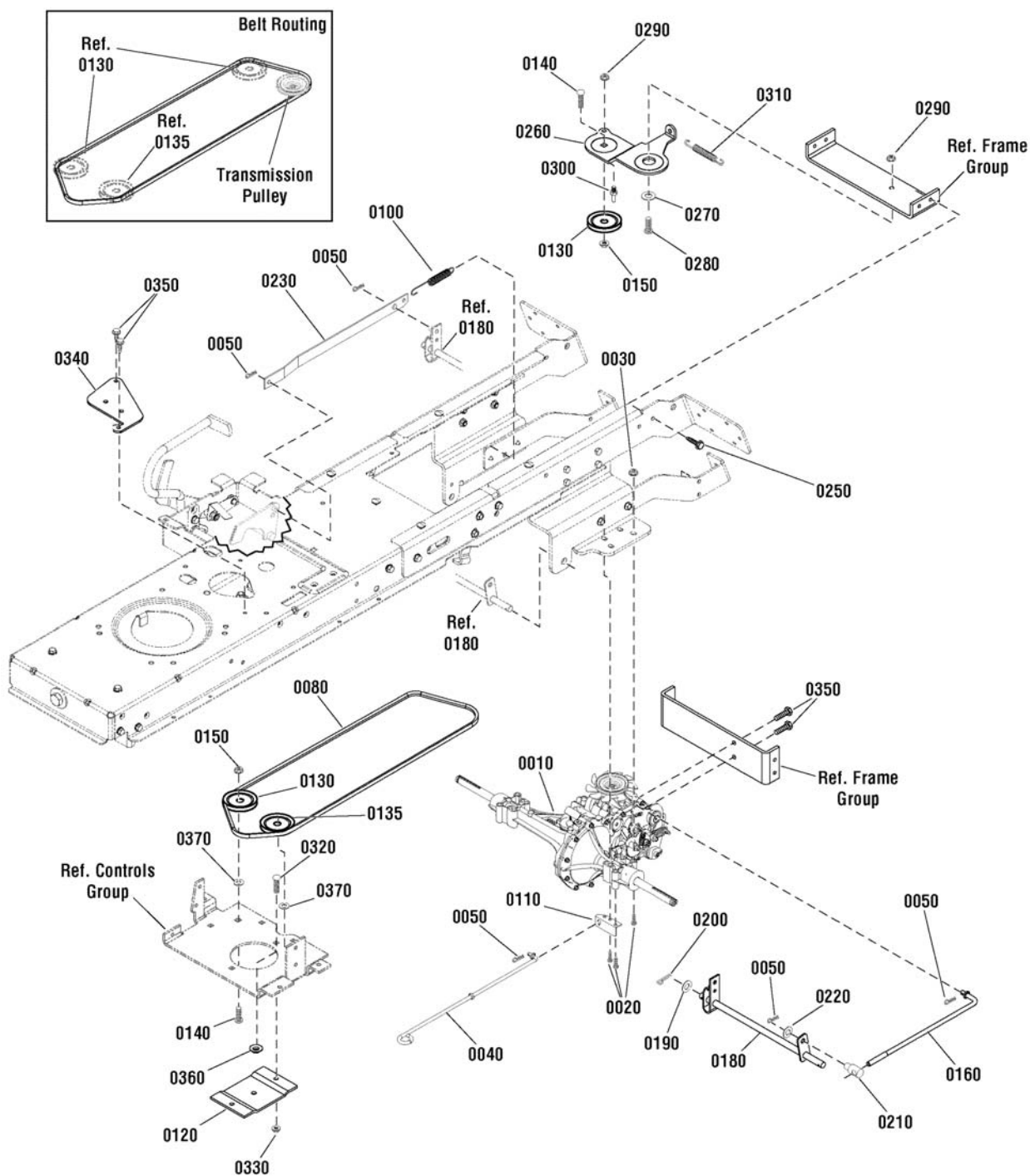
2690927 - EMT16538RD

2690934 - EMT16538RDF

Transmission Group

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

885445



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

2690927 - EMT16538RD
2690934 - EMT16538RDF

Transmission Group

REF NO	PART NO.	QTY.	DESCRIPTION
0010	885528YP	1	* TRANSMISSION, Hydro Gear 610
0020	1923141SM	8	SCREW, Hex Head Flange Lock, 5/16-18 x 2-3/4, G5
0030	1931277SM	8	NUT, Hex Flange, Whiz Lock, 5/16-18
0040	885436YP	1	LEVER, Roll Release
0050	1722460SM	9	PIN, Quick
0080	885495YP	1	BELT, Secondary
0100	165X92MA	1	SPRING, Extension
0110	7300701ZYP	1	BRACKET, Roll Release
0120	885502AYP	1	BRACKET, Front Idler
0130	1728001SM	2	PULLEY
0135	885645YP	1	PULLEY, Idler, Steel
0140	1931352SM	3	BOLT, Carriage, Short Neck, 3/8-16 x 1-1/2, G5
0150	015X84MA	3	NUT, Hex Flange, Centerlock, 3/8-16
0160	885476YP	1	SPEED CONTROL, Short Link
0180	885477AYP	1	SPEED CONTROL ASSEMBLY
0190	017X91MA	2	WASHER, Flat, 13/16
0200	1960074SM	2	PIN, Cotter
0210	021920ZMA	1	NUT, Adjusting
0220	017X53MA	1	WASHER, Flat, .41
0230	885480AYP	1	LINK, Speed Control
0260	885409AYP	1	BRACKET, Idler, Rear
0270	1727935SM	1	SPACER, Pivot
0280	1931335SM	1	BOLT, Carriage, Short Neck, 5/16-18 x 1, G5
0290	1931277SM	2	NUT, Hex Flange, Whiz Lock, 5/16-18
0300	885077YP	1	BELT GUIDE
0310	1731939SM	1	SPRING, Extension
0320	1931332SM	2	BOLT, Carriage, Short Neck, 5/16-18 x 5/8, G5
0330	1931277SM	2	NUT, Hex Flange, Whiz Lock, 5/16-18
0340	885590AYP	1	PLATE, Front Fixed Idler
0350	1664847SM	4	CAPSCREW, Hex Washer Head, Taptite, 5/16-18 x 3/4
0360	5025498YP	2	NUT, Push On, 5/16
0370	710083MA	2	WASHER, Flat, 3/8

Footnotes

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

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

2690927 - EMT16538RD

2690934 - EMT16538RDF

885528

This diagram illustrates the exploded view of a vehicle chassis assembly, showing the relationship between various components and their part numbers. The assembly includes a central chassis unit (0010) with a suspension system (0020) and a steering system (0030). The suspension system includes a coil spring (0040) and a shock absorber (0050). The steering system includes a steering knuckle (0060) and a steering rack (0070). The chassis is supported by a frame (0080) and a rear axle (0090). The diagram also shows the installation of a seal kit (1270) and a wheel assembly (2000). Various fasteners, including bolts, nuts, and washers, are shown with their respective part numbers. The diagram is organized into several sub-assemblies, each enclosed in a dashed box. The sub-assemblies are labeled with their respective part numbers: 1280 (Front Suspension), 1260 (Rear Suspension), 1250 (Steering), 1270 (Seal Kit), and 2000 (Wheel Assembly). The diagram is a technical drawing of a vehicle chassis assembly, showing the exploded view of various components and their part numbers. The components are arranged in a hierarchical manner, with the main chassis assembly at the top and various sub-assemblies and individual parts below it. The diagram includes a list of part numbers for the seal kit and the wheel assembly, as well as a list of part numbers for the various sub-assemblies. The diagram is a technical drawing of a vehicle chassis assembly, showing the exploded view of various components and their part numbers.

Seal Kit

0170
0340
0510
1110

Wheel Assembly

2000-10
2000-20

2690927 - EMT16538RD
2690934 - EMT16538RDF

Transmission SERVICE PARTS - Hydro Gear 324-0610

REF NO	PART NO.	QTY.	DESCRIPTION
0010	----	1	* MAIN HOUSING ASSEMBLY
0020	----	1	* SIDE HOUSING ASSEMBLY
0030	----	1	* CENTERSECTION ASSEMBLY
0040	----	1	* TRUNNION, Swashplate
0050	----	2	* BLOCK ASSEMBLY
0060	----	1	* SEALANT, 10.1 oz. (Not Illustrated)
0070	----	14	* SCREW, Hex Washer, 1/4-20 x 1-1/8
0090	1752461YP	1	SHAFT, Input
0100	1715270SM	1	RING, Retaining
0110	1752462YP	1	WASHER, Flat, 1.23 x 1.57 x .04
0120	1752463YP	3	RING, RETAINING
0130	1752464YP	1	SEAL, LIP 17 x 40 x 12
0140	1752465YP	1	BEARING, BALL 17 x 40 x 12
0160	----	1	* SCREW, Hex Flange, With Patch, 5/16-24 x 15/16
0170	----	1	* SEAL, Lip, 18 x 32 x 7 (Not a servicable part, order kit # 1270)
0180	----	1	* ARM, Control
0190	1715144SM	2	* BEARING, Thrust, 30 x 52 x 13
0240	----	1	* SHAFT, Motor
0270	----	1	* GEAR, Pinion, 12T
0280	----	1	* GEAR, 10T/49T
0290	----	1	* GEAR, Jackshaft, 10T
0310	----	2	* BUSHING, Sleeve (Inboard)
0320	----	2	* BUSHING, Sleeve, 3/4 x 1-1.571 x 5/8
0330	----	2	* WASHER, Flat, 3/4 x 1-1/2 x 7/64
0340	----	2	* SEAL, Lip, 3/4 x 1.577 x 1/4 (Not a servicable part, order kit # 1270)
0350	----	1	* SHAFT, Axle, 3/4 x 11.39 (Key, RH)
0360	----	1	* SHAFT, AXLE, 3/4 x 16.99 (Key, LH)
0370	----	1	* KIT, Miter Gear
0400	----	2	* RING, Retaining Spiral
0410	----	1	* PIN, Jackshaft, 1/2 x 2.43
0420	----	1	* MAGNET, Ring
0440	1717965SM	2	SCREW, Hex Flange, 3/8-24 x 2-1/2
0480	----	1	* ROD, Actuator Bypass
0490	----	1	* ARM, Bypass
0500	----	1	* RING, Retaining, External, 1/4
0510	----	1	* SEAL, Lip, 1/4 x 3/4 x 1/4 TC (Not a servicable part, order kit # 1270)
0520	----	1	* WASHER, Flat, 5/8 x 1 x 1/2
0530	----	1	* RING, Retaining
0540	----	1	* BUSHING, Center Block
0550	----	1	* SPRING, Block
0560	----	1	* WASHER, Thrust, .59 x .79 x .04
0580	----	1	* BRAKE YOKE KIT

Footnotes

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)

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

2690927 - EMT16538RD

2690934 - EMT16538RDF

885528

2690927 - EMT16538RD
2690934 - EMT16538RDF

Transmission SERVICE PARTS - Hydro Gear 324-0610

REF NO	PART NO.	QTY.	DESCRIPTION
0590	----	1	* DISK, Brake
0600	----	2	* PUCK, Brake
0610	----	1	* PLATE, Puck
0620	----	2	* PIN, Brake Actuating
0630	----	2	* SCREW, Hex Head, With Patch, 1/4-20 x 2
0650	1715199SM	1	SPACER, .26 x .57 x .87
0660	----	1	* SPRING, Brake arm Bias
0670	1706160SM	1	SCREW, Square Head, Ribbed, 5/16-24
0680	----	1	* ARM, Brake
0690	----	1	* NUT, Castle, 5/16-24
0700	----	1	* PIN, Cotter, 3/32 x 3/4
0710	----	1	* SPRING, Compression Brake, Anti-Drag
0720	----	3	* WASHER, Flat, .51 x 1.0 x .03
0730	----	2	* WASHER, Flat, .34 x .88 x .06
0740	----	1	* KIT, Seal
0840	----	1	* FITTING, 5/16 SAE 5/32 TUBE
0850	----	1	* HOSE, Expansion Tank, 7.56 In.
0930	1752466YP	2	SPRING CLIP, Housing Thrust (3/4" Axle)
0940	----	1	* BEARING, Ball, .62 x 1.38 x .44
0950	----	1	* CAPSCREW, Socket Head, 5/16-24 x 1-1/2
0960	----	1	* SPACER, Locating
0970	----	1	* SCREW, Countersunk, 5/16-18 x 1
0980	----	1	* ARM, Return
0990	----	1	* PUCK, Adjusting
1000	----	1	* WASHER, Flat, .32 x 1.60 x .24
1020	----	1	* SPACER, .26 x .56 x .87
1010	----	1	* SPRING, Extension, Double Loop
1030	----	1	* BRACKET, Torque
1080	----	1	* WASHER, Flat, .71 x 1.16 x .04
1090	----	1	* PLUG, 9/16-18 (METAL)
1100	----	1	* SCREW, Torx Head, 5/16-18 x 1-1/2
1110	----	1	* O-RING, .299 x .505 x .103 (Not a serviceable part, order kit # 1270)
1140	----	1	* SPRING, Guide
1170	----	1	* PIN, Spring, .304 x .75
1240	----	1	* CENTERSECTION ASSEMBLY, Filter, Bypass (Not Illustrated) (Includes Ref. Nos. 0030, 1240-10 & 1250)
1240-10	----	1	* CENTERSECTION (5-Piston) (Not a serviceable part, order kit #1240)
1250	----	1	* FILTER ASSEMBLY (Includes Ref. Nos. 1250-10, 1250-20, 1250-30, 1250-40 & 1250-50)
1250-10	----	1	* BASE, Filter, With Poppet (Not a serviceable part, order kit #1250)
1250-20	----	1	* SPRING, Bypass, 1/2" (Not a serviceable part, order kit #1250)
1250-30	----	1	* ACTUATOR, Bypass (Not a serviceable part, order kit #1250)
1250-40	----	1	* DEFLECTOR (Not a serviceable part, order kit #1250)

Footnotes

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)

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

2690927 - EMT16538RD

2690934 - EMT16538RDF

885528

This diagram illustrates the assembly of a vehicle chassis, showing the relationship between various components and their assembly sequence. The components are labeled with part numbers, and the assembly is shown in a disassembled state to highlight the relationships between parts.

Key Components and Part Numbers:

- 1280:** 1280-30, 1280-40, 1280-10, 1280-20
- 1260:** 1260-40, 1260-20, 1260-30, 1260-10, 1260-50
- 1250:** 1250-10, 1250-20, 1250-30, 1250-40, 1250-50
- 2000:** 2000-10, 2000-20
- 1270 Seal Kit:** 0170, 0340, 0510, 1110
- Other Components:** 0930, 0360, 0850, 1110, 1090, 0010, 0840, 0190, 0050, 0040, 0190, 0050, 0440, 0030, 1240-10, 0370, 0280, 0290, 0410, 0720, 0310, 0330, 0400, 0370, 0310, 1170, 0170, 0180, 0720, 0940, 0960, 0970, 0730, 0160, 1000, 0980, 1140, 0990, 0950, 1010, 0710, 0630, 0680, 0660, 0690, 0700, 0140, 0500, 0490, 0350, 0320, 0120, 0340, 0510, 0590, 0580, 0650, 0620, 0610, 0600, 1030, 1100, 0520, 0270, 0240, 1080, 0480, 0420, 0020, 0410, 0720, 0370, 0280, 0290, 0410, 0720, 0310, 0330, 0400, 0370, 0310, 1170, 0170, 0180, 0720, 0940, 0960, 0970, 0730, 0160, 1000, 0980, 1140, 0990, 0950, 1010, 0710, 0630, 0680, 0660, 0690, 0700, 0140, 0500, 0490, 0350, 0320, 0120, 0340, 0510, 0590, 0580, 0650, 0620, 0610, 0600, 1030, 1100, 0520, 0270, 0240, 1080, 0480, 0420, 0020, 0410, 0720, 0370, 0280, 0290, 0410, 0720, 0310, 0330, 0400, 0370, 0310, 1170, 0170, 0180, 0720, 0940, 0960, 0970, 0730, 0160, 1000, 0980, 1140, 0990, 0950, 1010, 0710, 0630, 0680, 0660, 0690, 0700, 0140, 0500, 0490, 0350, 0320, 0120, 0340, 0510, 0590, 0580, 0650, 0620, 0610, 0600, 1030, 1100, 0520, 0270, 0240, 1080, 0480, 0420, 0020, 0410, 0720, 0370, 0280, 0290, 0410, 0720, 0310, 0330, 0400, 0370, 0310, 1170, 0170, 0180, 0720, 0940, 0960, 0970, 0730, 0160, 1000, 0980, 1140, 0990, 0950, 1010, 0710, 0630, 0680, 0660, 0690, 0700, 0140, 0500, 0490, 0350, 0320, 0120, 0340, 0510, 0590, 0580, 0650, 0620, 0610, 0600, 1030, 1100, 0520, 0270, 0240, 1080, 0480, 0420, 0020, 0410, 0720, 0370, 0280, 0290, 0410, 0720, 0310, 0330, 0400, 0370, 0310, 1170, 0170, 0180, 0720, 0940, 0960, 0970, 0730, 0160, 1000, 0980, 1140, 0990, 0950, 1010, 0710, 0630, 0680, 0660, 0690, 0700, 0140, 0500, 0490, 0350, 0320, 0120, 0340, 0510, 0590, 0580, 0650, 0620, 0610, 0600, 1030, 1100, 0520, 0270, 0240, 1080, 0480, 0420, 0020, 0410, 0720, 0370, 0280, 0290, 0410, 0720, 0310, 0330, 0400, 0370, 0310, 1170, 0170, 0180, 0720, 0940, 0960, 0970, 0730, 0160, 1000, 0980, 1140, 0990, 0950, 1010, 0710, 0630, 0680, 0660, 0690, 0700, 0140, 0500, 0490, 0350, 0320, 0120, 0340, 0510, 0590, 0580, 0650, 0620, 0610, 0600, 1030, 1100, 0520, 0270, 0240, 1080, 0480, 0420, 0020, 0410, 0720, 0370, 0280, 0290, 0410, 0720, 0310, 0330, 0400, 0370, 0310, 1170, 0170, 0180, 0720, 0940, 0960, 0970, 0730, 0160, 1000, 0980, 1140, 0990, 0950, 1010, 0710, 0630, 0680, 0660, 0690, 0700, 0140, 0500, 0490, 0350, 0320, 0120, 0340, 0510, 0590, 0580, 0650, 0620, 0610, 0600, 1030, 1100, 0520, 0270, 0240, 1080, 0480, 0420, 0020, 0410, 0720, 0370, 0280, 0290, 0410, 0720, 0310, 0330, 0400, 0370, 0310, 1170, 0170, 0180, 0720, 0940, 0960, 0970, 0730, 0160, 1000, 0980, 1140, 0990, 0950, 1010, 0710, 0630, 0680, 0660, 0690, 0700, 0140, 0500, 0490, 0350, 0320, 0120, 0340, 0510, 0590, 0580, 0650, 0620, 0610, 0600, 1030, 1100, 0520, 0270, 0240, 1080, 0480, 0420, 0020, 0410, 0720, 0370, 0280, 0290, 0410, 0720, 0310, 0330, 0400, 0370, 0310, 1170, 0170, 0180, 0720, 0940, 0960, 0970, 0730, 0160, 1000, 0980, 1140, 0990, 0950, 1010, 0710, 0630, 0680, 0660, 0690, 0700, 0140, 0500, 0490, 0350, 0320, 0120, 0340, 0510, 0590, 0580, 0650, 0620, 0610, 0600, 1030, 1100, 0520, 0270, 0240, 1080, 0480, 0420, 0020, 0410, 0720, 0370, 0280, 0290, 0410, 0720, 0310, 0330, 0400, 0370, 0310, 1170, 0170, 0180, 0720, 0940, 0960, 0970, 0730, 0160, 1000, 0980, 1140, 0990, 0950, 1010, 0710, 0630, 0680, 0660, 0690, 0700, 0140, 0500, 0490, 0350, 0320, 0120, 0340, 0510, 0590, 0580, 0650, 0620, 0610, 0600, 1030, 1100, 0520, 0270, 0240, 1080, 0480, 0420, 0020, 0410, 0720, 0370, 0280, 0290, 0410, 0720, 0310, 0330, 0400, 0370, 0310, 1170, 0170, 0180, 0720, 0940, 0960, 0970, 0730, 0160, 1000, 0980, 1140, 0990, 0950, 1010, 0710, 0630, 0680, 0660, 0690, 0700, 0140, 0500, 0490, 0350, 0320, 0120, 0340, 0510, 0590, 0580, 0650, 0620, 0610, 0600, 1030, 1100, 0520, 0270, 0240, 10

2690927 - EMT16538RD
2690934 - EMT16538RDF

Transmission SERVICE PARTS - Hydro Gear 324-0610

REF NO	PART NO.	QTY.	DESCRIPTION
1260-10	----	1	* FAN, 7" (10 BLADE) (Not a serviceable part, order kit #1260)
1260-20	----	1	* PULLEY, Cupped, 4-1/2" (Not a serviceable part, order kit #1260)
1260-30	----	1	* NUT, Hex Jam, With Patch, 1/2-20 (Not a serviceable part, order kit #1260)
1260-40	----	1	* WASHER, Slotted, .53 x 1.63 x .06 (Not a serviceable part, order kit #1260)
1260-50	----	1	* HUB, Pulley (Not a serviceable part, order kit #1260)
1270	1752468YP	1	SEAL & O-RING KIT (Includes Ref. Nos. 0170, 0340, 0510 & 1110)
1280	1752469YP	1	EXPANSION TANK KIT (Includes Ref. Nos. 1280-10, 1280-20, 1280-30 & 1280-40)
1280-10	----	1	* TANK, Expansion (Not a serviceable part, order kit #1280)
1280-20	----	1	* CAP, Expansion Tank (Not a serviceable part, order kit #1280)
1280-30	----	1	* BOLT, Self Tapping, 10-32 x 1/2 (Not a serviceable part, order kit #1280)
1280-40	----	1	* BRACKET, Expansion Tank (Not a serviceable part, order kit #1280)
2000	----	1	* KIT, 60T Bull Gear Diff Pins (Includes Ref. Nos. 2000-10 & 2000-20)
2000-10	----	1	* GEAR, 60T
2000-20	----	2	* PIN, 1/2

Footnotes

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)

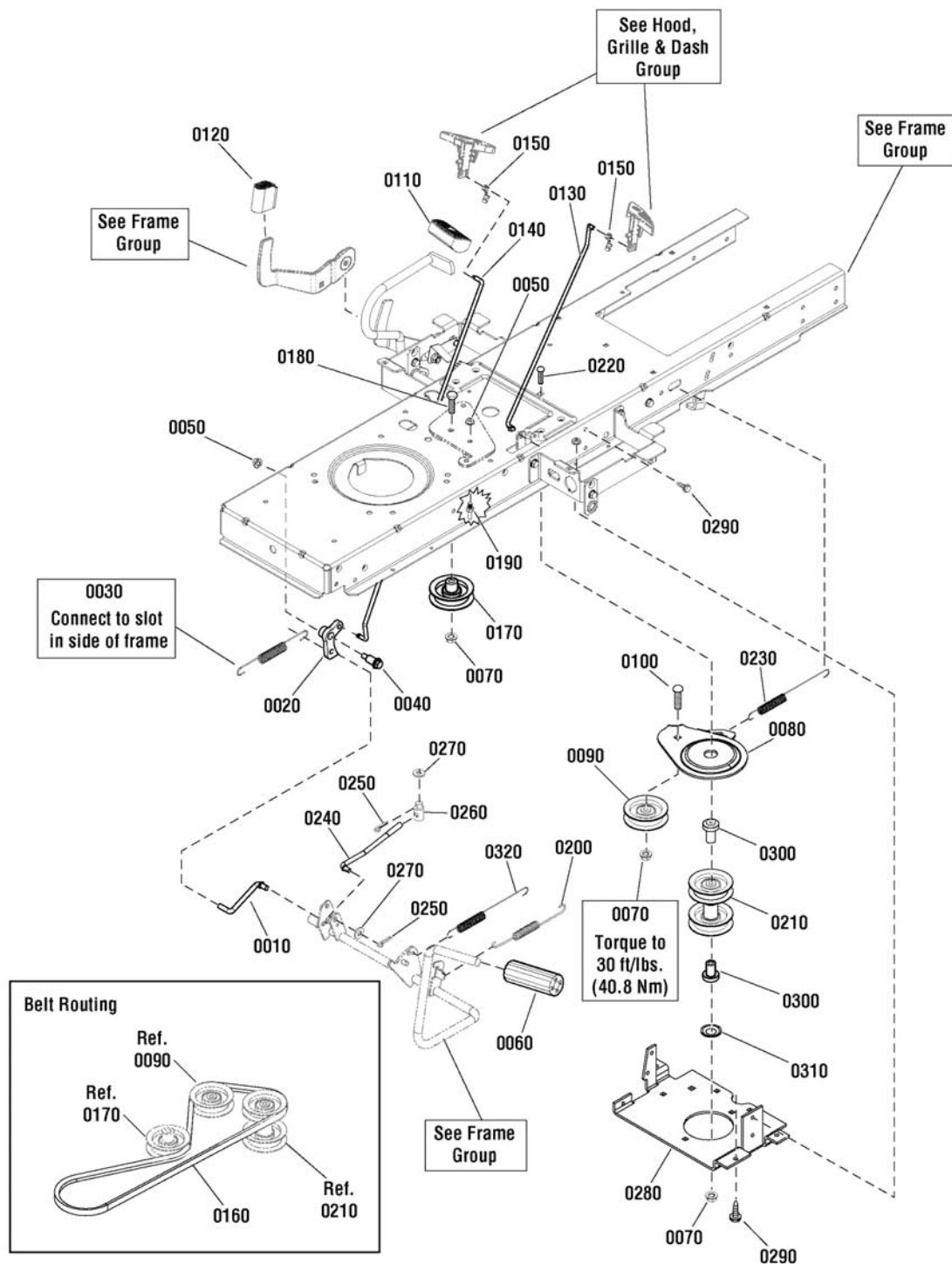
The above parts group applies to the following Mfg. Nos.:

2690927 - EMT16538RD
2690934 - EMT16538RDF

Controls Group

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

885446



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

2690927 - EMT16538RD
2690934 - EMT16538RDF

Controls Group

REF NO	PART NO.	QTY.	DESCRIPTION
0010	1727899SM	1	ROD, Cruise Latch, 2.83"
0020	1727897SM	1	LATCH, Cruise Powdered Metal
0030	2159181SM	1	SPRING, Tension, Clutch
0040	1728976SM	1	BOLT, Shoulder, 5/16-18 G5
0050	1931277SM	2	NUT, Hex, Flange Whizlock, 5/16-18
0060	1727261SM	1	PEDAL, Brake Rubber
0070	1960687SM	3	NUT, Hex Flange, ESNA, 3/8-16
0080	885410AYP	1	BRACKET, Idler Front Movable
0090	1728001SM	1	PULLEY, 3 OD Plastic
0100	1931352SM	1	BOLT, Carriage, 3/8-16 x 1-1/2
0110	1721675SM	1	PAD, Foot Pedal Forward
0120	1727259SM	1	PAD, Foot Pedal Reverse
0130	1727267SM	1	ROD, Parking Brake, 16-3/8"
0140	1738760YP	1	ROD, Cruise Latch, 17"
0150	1728111SM	2	CLIP, Linkage, Black
0160	885484YP	1	BELT, Primary, M/D
0170	885565YP	1	IDLER, Backside
0180	1921971SM	1	CAPSCREW, Hex Head, 3/8-16 x 1-3/4, G5
0190	885534YP	1	BELT GUIDE
0200	885421YP	1	SPRING, Extension
0210	885426YP	1	PULLEY, Secondary Stack
0220	885577YP	1	BOLT, Carriage, 3/8-16 x 5
0230	1729620SM	1	SPRING, Extension 7-1/2"
0240	885423YP	1	ROD, Clutch
0250	7091809YP	1	PIN, Cotter
0260	021920ZMA	1	NUT, Adjusting
0270	1960103SM	2	WASHER, 3/8
0280	885501AYP	1	IDLER, Stationary, Left Front
0290	1664847SM	8	CAPSCREW, Hex Washer Head, Taptite, 5/16-18 x 3/4
0300	885575YP	2	SPACER
0310	1931942SM	1	NUT, Push, 3/8

Footnotes

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

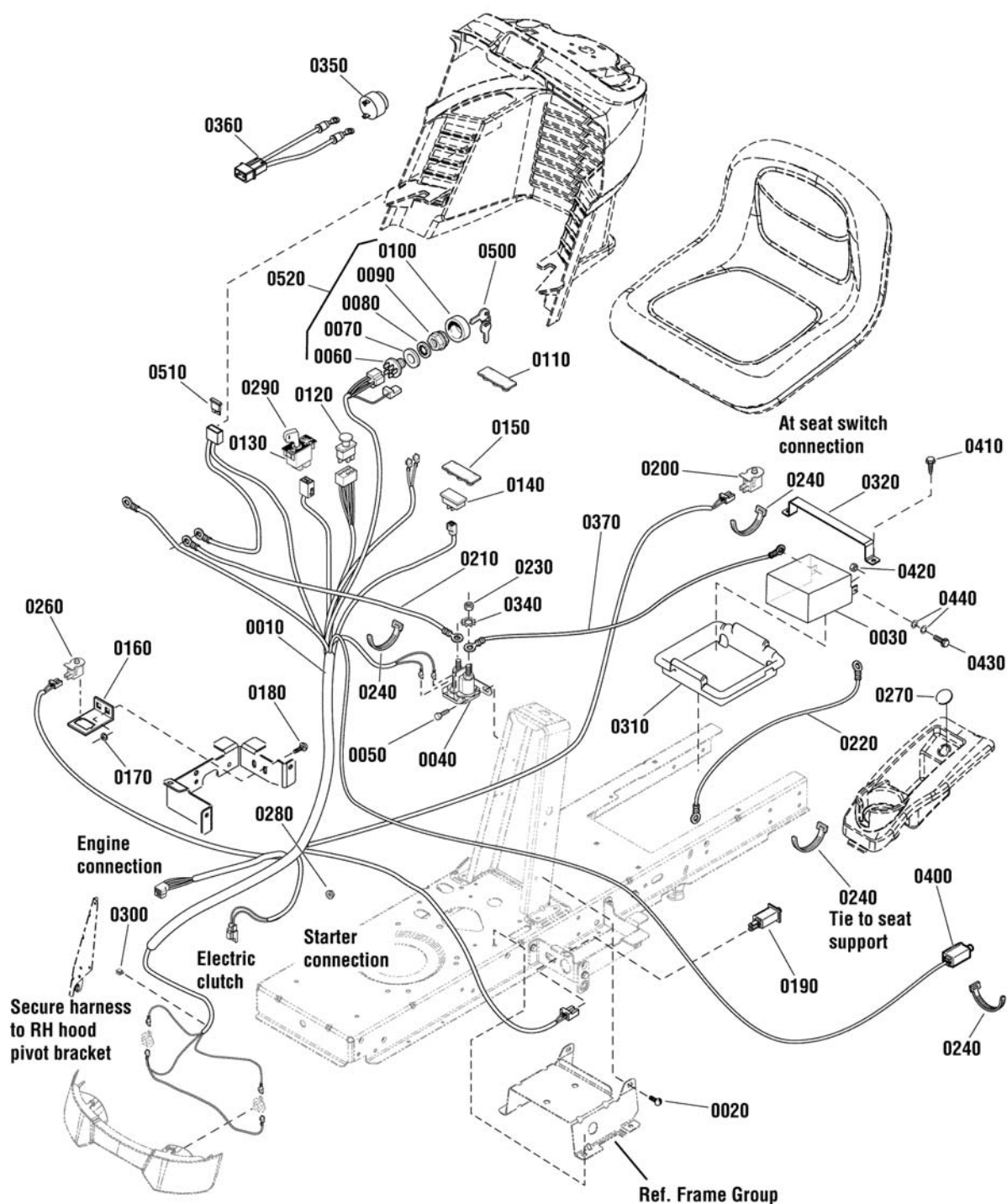
2690927 - EMT16538RD

2690934 - EMT16538RDF

Electrical Group

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

885448



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

2690927 - EMT16538RD

2690934 - EMT16538RDF

Electrical Group

REF NO	PART NO.	QTY.	DESCRIPTION
0010	885537YP	1	WIRING HARNESS
0020	1930601SM	5	CAPSCREW, Hex Washer Head, Taptite, 5/16-18 x 5/8
0030	-----	1	BATTERY, 12 Volt
0040	1728963SM	1	SOLENOID
0050	1925003SM	2	CAPSCREW, Hex Washer Head, Taptite, 1/4-20 x 1/2
0060	1737853YP	1	SWITCH ASSEMBLY, Ignition
0070	2101025SM	1	WASHER, 5/8
0080	1960547SM	1	LOCKWASHER, Internal Tooth
0090	1717549SM	1	NUT, Hex Flange, 5/8-32
0100	1717550SM	1	COVER, Switch
0110	1729993SM	1	PLUG, Hour Meter
0120	1722887SM	1	SWITCH, PTO Push
0130	1726556SM	1	SWITCH, RMO Module Only
0140	1716951SM	1	SWITCH, Headlight
0150	1722611SM	1	PLUG, Hole
0160	1728026SM	1	SUPPORT, RMO Switch
0170	1931277SM	2	NUT, Hex Flange Whiz Lock Small, 5/16-18
0180	1931333SM	2	BOLT, Carriage, 5/16-18 x 3/4 G5
0190	7022886YP	1	SWITCH, Push Button (NO / NC)
0200	7023354YP	1	SWITCH, Push Button (NC)
0210	1721830SM	1	CABLE-# 6 x 25, Red
0220	1713163SM	1	CABLE, # 6 x 26, Black
0230	2860750SM	2	NUT, Hex, KEPS, 5/16-24
0240	1701011SM	16	TIE, Self Locking
0260	1732004SM	1	SWITCH, Push Button (NO)
0270	1732007SM	1	PLUG, Hole
0280	1960294SM	1	NUT, Hex Flange Whiz Lock Small, 1/4-20
0290	1726557SM	2	KEY, RMO Module Plastic
0300	2172434SM	1	CLIP, Wire
0310	885428YP	1	CONTAINER, Battery
0320	885511AYP	1	HOLD DOWN, Battery
0340	2820426SM	2	LOCKWASHER, 5/16
0350	1720117SM	1	BUZZER, Bag Full
0360	885248YP	1	HARNESS, Buzzer
0370	885616YP	1	CABLE, Battery
0400	885633YP	1	SWITCH ASSEMBLY
0410	025X15MA	2	CAPSCREW, Hex Washer Head, 3/8-16 x 3/4
0420	51716GS	2	NUT, M5 x 0.8
0430	52618GS	2	SCREW, M5 x 0.8 x 12
0440	51713GS	4	WASHER, M5
0500	1737837YP	1	KEYS, Ignition
0510	-----	1	* FUSE, 20 Amp

Footnotes

Note* See your local hardware store for replacement fuses.

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

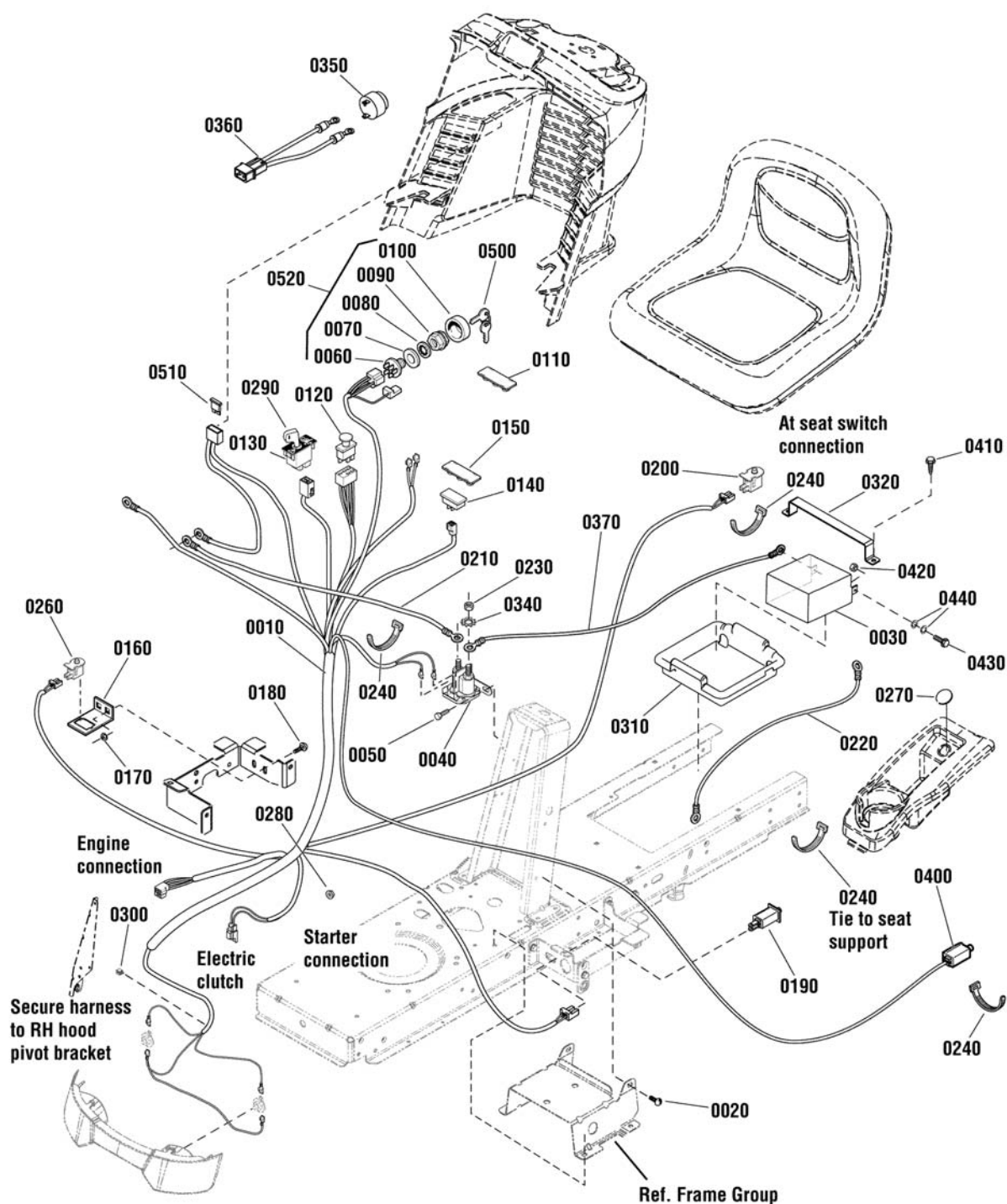
2690927 - EMT16538RD

2690934 - EMT16538RDF

Electrical Group

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

885448



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

2690927 - EMT16538RD

2690934 - EMT16538RDF

Electrical Group

REF NO	PART NO.	QTY.	DESCRIPTION
0520	1686734SM	1	SWITCH ASSEMBLY (Includes Ref Nos. 0060, 0070, 0080, 0090 & 0100)

Footnotes

Note* See your local hardware store for replacement fuses.

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

2690927 - EMT16538RD
2690934 - EMT16538RDF

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

This exploded view diagram illustrates the assembly of the HP 1000 printer. The components are labeled with part numbers and their assembly points are indicated by dashed lines. The main assembly includes the printer body (0100), the top cover (0010), the front panel (0040), and the rear panel (0030). The diagram shows the following components and their assembly points:

- 0010**: Top cover, assembly point 0080.
- 0020**: Top cover hinge, assembly point 0080.
- 0080**: Screws for top cover and front panel.
- 0130**: Screws for the top cover hinge.
- 0120**: Top cover hinge pin.
- 0160**: Top cover hinge pin.
- 0190**: Screws for the top cover hinge.
- 0140**: Top cover hinge pin.
- 0110**: Top cover hinge pin.
- 0170**: Front panel hinge, assembly point 0170-40.
- 0170-10**: Front panel hinge pin.
- 0170-20**: Front panel hinge pin.
- 0170-30**: Front panel hinge pin.
- 0180**: Front panel hinge pin.
- 0250**: Front panel hinge pin.
- 0210**: Front panel hinge pin.
- 0240**: Front panel hinge pin.
- 0200**: Front panel hinge pin.
- 0220**: Front panel hinge pin.
- 0210**: Front panel hinge pin.
- 0230**: Front panel hinge pin.
- 0280**: Front panel hinge pin.
- 0260**: Front panel hinge pin.
- 0270**: Front panel hinge pin.
- 0060**: Front panel hinge pin.
- 0070**: Front panel hinge pin.
- 0050**: Front panel hinge pin.
- 0090**: Front panel hinge pin.
- 0040**: Front panel, assembly point 0080.
- 0030**: Rear panel, assembly point 0080.
- 0100**: Printer body, assembly point 0080.
- 0210**: Printer body, assembly point 0080.
- 0220**: Printer body, assembly point 0080.
- 0230**: Printer body, assembly point 0080.
- 0240**: Printer body, assembly point 0080.
- 0250**: Printer body, assembly point 0080.
- 0260**: Printer body, assembly point 0080.
- 0270**: Printer body, assembly point 0080.
- 0280**: Printer body, assembly point 0080.
- 0290**: Printer body, assembly point 0080.
- 0300**: Printer body, assembly point 0080.
- 0310**: Printer body, assembly point 0080.
- 0320**: Printer body, assembly point 0080.
- 0330**: Printer body, assembly point 0080.
- 0340**: Printer body, assembly point 0080.
- 0350**: Printer body, assembly point 0080.
- 0360**: Printer body, assembly point 0080.
- 0370**: Printer body, assembly point 0080.
- 0380**: Printer body, assembly point 0080.
- 0390**: Printer body, assembly point 0080.
- 0400**: Printer body, assembly point 0080.
- 0410**: Printer body, assembly point 0080.
- 0420**: Printer body, assembly point 0080.
- 0430**: Printer body, assembly point 0080.
- 0440**: Printer body, assembly point 0080.
- 0450**: Printer body, assembly point 0080.
- 0460**: Printer body, assembly point 0080.
- 0470**: Printer body, assembly point 0080.
- 0480**: Printer body, assembly point 0080.
- 0490**: Printer body, assembly point 0080.
- 0500**: Printer body, assembly point 0080.
- 0510**: Printer body, assembly point 0080.
- 0520**: Printer body, assembly point 0080.
- 0530**: Printer body, assembly point 0080.
- 0540**: Printer body, assembly point 0080.
- 0550**: Printer body, assembly point 0080.
- 0560**: Printer body, assembly point 0080.
- 0570**: Printer body, assembly point 0080.
- 0580**: Printer body, assembly point 0080.
- 0590**: Printer body, assembly point 0080.
- 0600**: Printer body, assembly point 0080.
- 0610**: Printer body, assembly point 0080.
- 0620**: Printer body, assembly point 0080.
- 0630**: Printer body, assembly point 0080.
- 0640**: Printer body, assembly point 0080.
- 0650**: Printer body, assembly point 0080.
- 0660**: Printer body, assembly point 0080.
- 0670**: Printer body, assembly point 0080.
- 0680**: Printer body, assembly point 0080.
- 0690**: Printer body, assembly point 0080.
- 0700**: Printer body, assembly point 0080.
- 0710**: Printer body, assembly point 0080.
- 0720**: Printer body, assembly point 0080.
- 0730**: Printer body, assembly point 0080.
- 0740**: Printer body, assembly point 0080.
- 0750**: Printer body, assembly point 0080.
- 0760**: Printer body, assembly point 0080.
- 0770**: Printer body, assembly point 0080.
- 0780**: Printer body, assembly point 0080.
- 0790**: Printer body, assembly point 0080.
- 0800**: Printer body, assembly point 0080.
- 0810**: Printer body, assembly point 0080.
- 0820**: Printer body, assembly point 0080.
- 0830**: Printer body, assembly point 0080.
- 0840**: Printer body, assembly point 0080.
- 0850**: Printer body, assembly point 0080.
- 0860**: Printer body, assembly point 0080.
- 0870**: Printer body, assembly point 0080.
- 0880**: Printer body, assembly point 0080.
- 0890**: Printer body, assembly point 0080.
- 0900**: Printer body, assembly point 0080.
- 0910**: Printer body, assembly point 0080.
- 0920**: Printer body, assembly point 0080.
- 0930**: Printer body, assembly point 0080.
- 0940**: Printer body, assembly point 0080.
- 0950**: Printer body, assembly point 0080.
- 0960**: Printer body, assembly point 0080.
- 0970**: Printer body, assembly point 0080.
- 0980**: Printer body, assembly point 0080.
- 0990**: Printer body, assembly point 0080.
- 1000**: Printer body, assembly point 0080.

2690927 - EMT16538RD
2690934 - EMT16538RDF

Hood, Grille & Dash Group

REF NO	PART NO.	QTY.	DESCRIPTION
0010	1728031BIYP	1	HOOD, With Scoop
0020	7102326YP	1	AIR DUCT, Plenum
0030	1727294BIYP	1	PANEL, Side, R.H.
0040	1727295BIYP	1	PANEL, Side, L.H.
0050	1738914BIYP	1	GRILLE
0060	1727279SM	1	HINGE, Hood, L.H.
0070	1727280SM	1	HINGE, Hood, R.H.
0080	1960295SM	12	CAPSCREW, Hex Flange Whiz Lock, 1/4-20 x 5/8
0090	1930641SM	12	NUT, Hex Flange Whiz Lock Large, 1/4-20
0100	885571YP	1	CONSOLE
0110	1728089SM	1	KNOB, Brake Lock, Red
0120	1728090SM	1	KNOB, Cruise Lock, Green
0130	1960518SM	2	PUSHNUT, 1/4
0140	1664847SM	2	CAPSCREW, Hex Washer Head, Taptite, 5/16-18 x 3/4
0150	1919381SM	2	WASHER, 5/16
0160	1739106YP	1	COVER
0170	1727296SM	1	HEADLIGHT ASSEMBLY (Includes Ref. Nos. 0170-10, 0170-20, 0170-30 & 0170-40)
0170-10	1728973SM	1	REFLECTOR
0170-20	1728974SM	1	LENS, Headlight
0170-30	1677371SM	2	BULB, Headlight, 1141-12V 21CP
0170-40	1723451SM	2	SOCKET
0180	1728975SM	1	INSERT, Lightbar
0190	1960392SM	3	SCREW, Pan Head Phillips, #10-24 x 1/2
0200	885435AYP	1	ROD, Bagger Support
0210	1933896SM	3	NUT, Nylock, 10-24
0220	1925003SM	1	CAPSCREW, Hex Washer Head, Taptite, 1/4-20 x 1/2
0230	028X83MA	6	S-CLIP
0240	1732030SM	1	GUIDE, Hood, L.H.
0250	1732031SM	1	GUIDE, Hood, R.H.
0260	1741762MA	1	GRILLE, Center
0270	1741763MA	1	GRILLE, L.H.
0280	1741764MA	1	GRILLE, R.H.

Footnotes

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

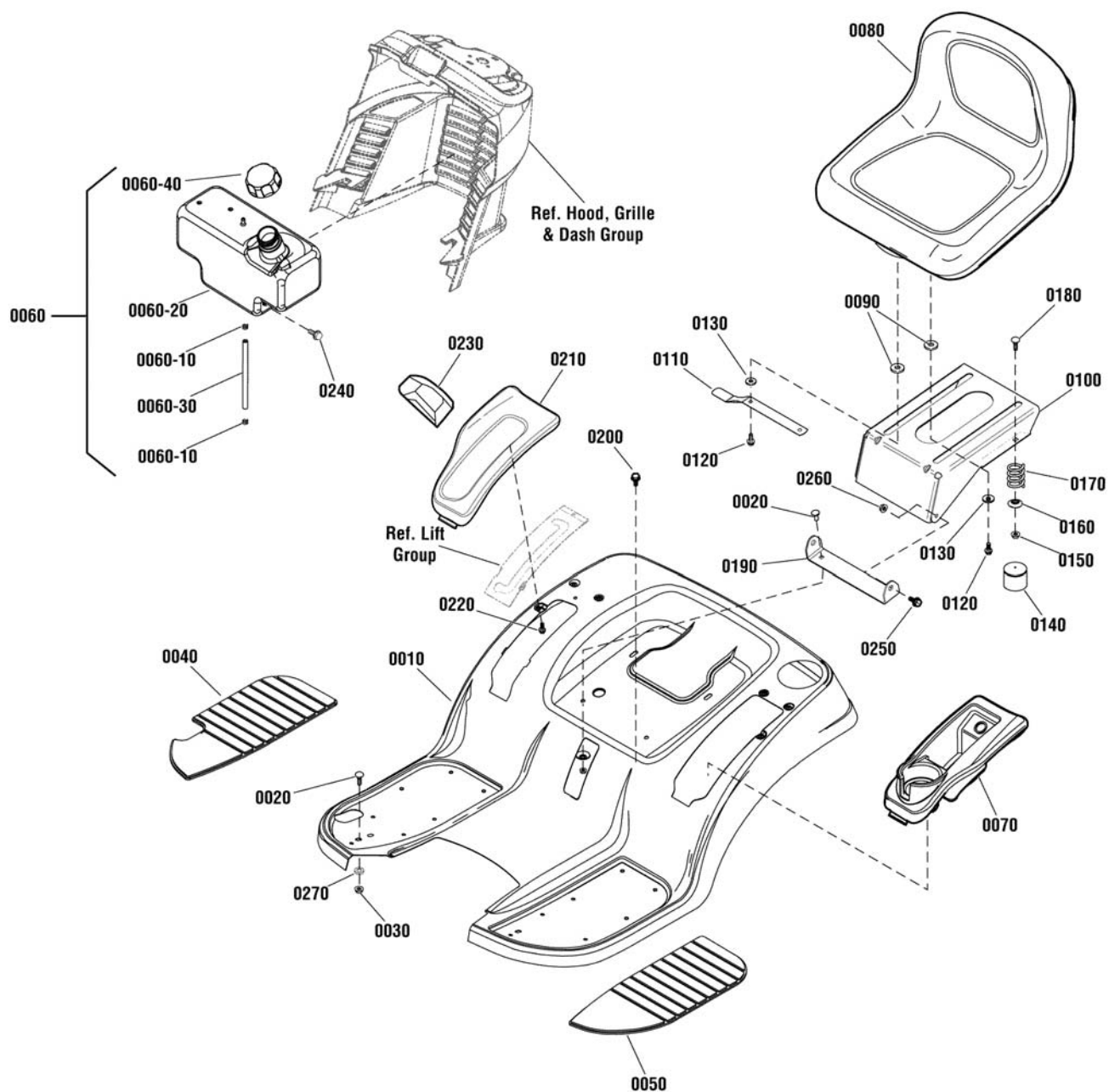
2690927 - EMT16538RD

2690934 - EMT16538RDF

Seat Deck & Fuel Tank

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

885447



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

2690927 - EMT16538RD
2690934 - EMT16538RDF

Seat Deck & Fuel Tank

REF NO	PART NO.	QTY.	DESCRIPTION
0010	885415BIYP	1	DECK, Seat
0020	1931333SM	4	BOLT, Carriage, 5/16-18 x 3/4 G5
0030	1931277SM	4	NUT, Hex Flange Whiz Lock Small, 5/16-18
0040	1739014YP	1	PAD, Footrest, R.H.
0050	1739013YP	1	PAD, Footrest, L.H.
0060	885548YP	1	FUEL TANK ASSEMBLY (Includes Ref. Nos. 0060-10, 0060-20, 0060-30 & 0060-40)
0060-10	095197MA	2	CLAMP, Hose
0060-20	-----	1	TANK, Fuel (Not a serviceable part, order Ref. 0060)
0060-30	7200118YP	1	HOSE, Fuel
0060-40	092317MA	1	CAP, Gas
0070	1739536YP	1	POD, L.H.
0080	1730158SM	1	SEAT, Lo Back
0090	1731300SM	4	SPACER, 5/16 ID x 1-1/4 OD x 5/16
0100	885549AYP	1	SUPPORT, Seat
0110	1727268SM	1	LATCH, Seat
0120	1960667SM	4	CAPSCREW, Hex Flange Whiz Lock, 5/16-18 x 1
0130	1919381SM	4	WASHER, 5/16
0140	1704724SM	2	COVER, Spring
0150	1960686SM	2	NUT, Hex Flange, ESNA, 5/16-18
0160	1709256SM	4	WASHER, Spring
0170	1704728SM	2	SPRING, Compression
0180	1960282SM	2	BOLT, Carriage, 5/16-18 x 3/4 G5
0190	885538AYP	1	PIVOT, Seat
0200	1930601SM	2	CAPSCREW, Hex Washer Head, Taptite, 5/16-18 x 5/8
0210	1739538YP	1	POD, R.H.
0220	1960536SM	6	SCREW, Hex Washer Head, Plastite, 1/4 x 1/2
0230	1739056YP	1	GRIP
0240	1921958SM	2	CAPSCREW, Hex Head, 1/4-20 x 1/2, G5
0250	1729576SM	2	BOLT, Shoulder, 5/16-18
0260	1960686SM	2	NUT, Hex Flange, ESNA, 5/16-18
0270	885382YP	2	WASHER, Rubber

Footnotes

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

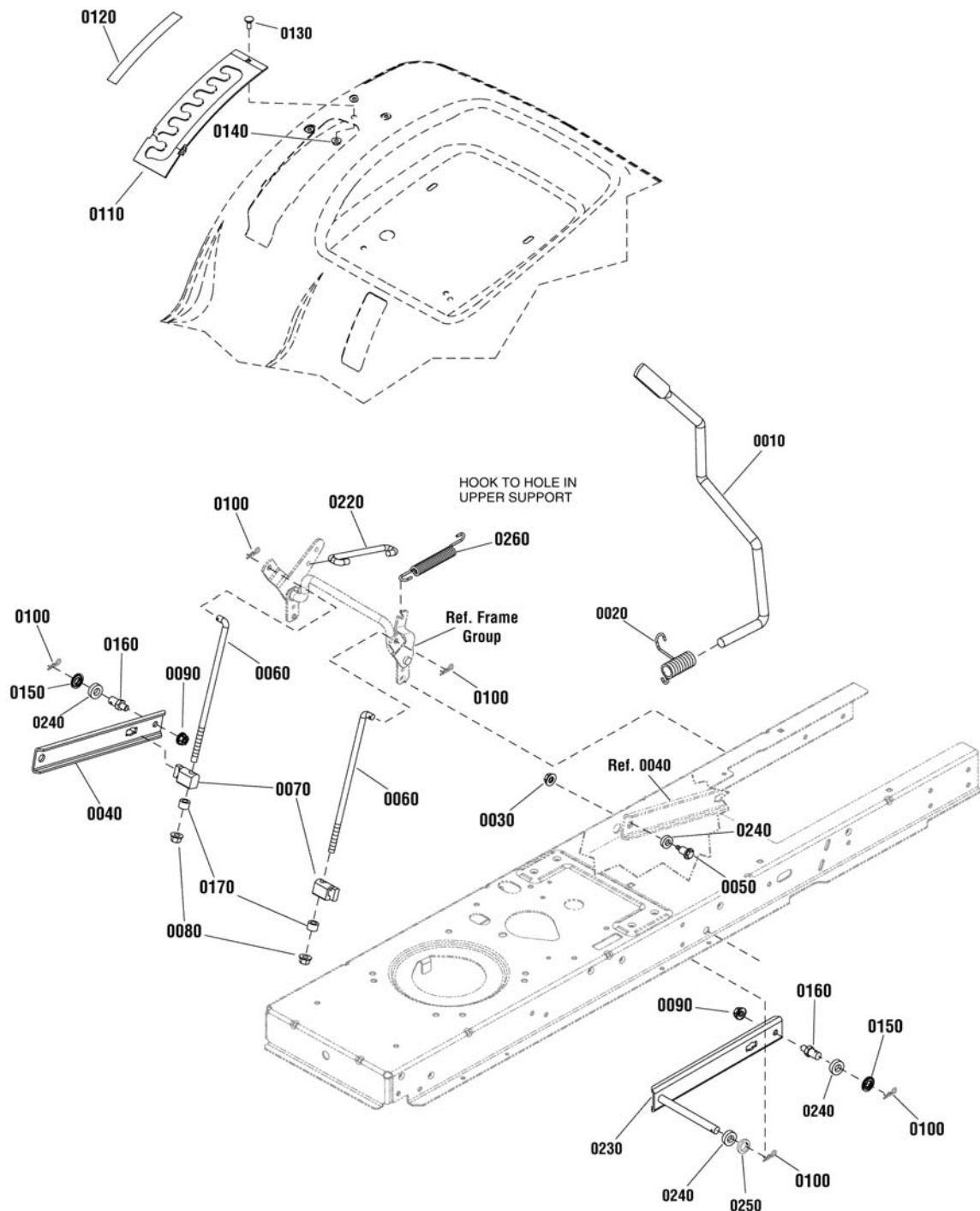
2690927 - EMT16538RD

2690934 - EMT16538RDF

Lift Group

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

885450



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

2690927 - EMT16538RD
2690934 - EMT16538RDF

Lift Group

REF NO	PART NO.	QTY.	DESCRIPTION
0010	1728070SM	1	ROD, Lift Handle, 17.7"
0020	1729652SM	1	SPRING, Torsion, 2.12"
0030	1931277SM	1	NUT, Hex, Flange Whizlock, 5/16-18
0040	1731417SM	1	ARM, Rear Lift, RH
0050	1732426SM	1	BOLT, Shoulder
0060	1727955SM	2	ROD, Lower Life, 10"
0070	1731894SM	2	TRUNNION
0080	1960687SM	2	NUT, Hex Flange, ESNA, 3/8-16
0090	1931211SM	2	NUT, Hex, Flange Lock, 3/8-16
0100	1960074SM	5	CLIP, Spring
0110	1727985SM	1	QUADRANT, Lift Height
0120	1730264SM	1	DECAL, Height Of Cut
0130	1960252SM	1	BOLT, Carriage, 1/4-20 x 5/8, G5
0140	1930641SM	1	NUT, Hex Flange Whiz, 1/4-20
0150	1960170SM	2	WASHER, 1/2
0160	094067MA	2	PIN, Threaded Shoulder
0170	1666294SM	2	SPACER
0220	1727954SM	1	ROD, Lift, 5.43"
0230	885523AYP	1	ARM, Rear Lift, LH
0240	885382YP	4	WASHER, Rubber
0250	017X91MA	1	WASHER, Flat, .81
0260	165X157MA	1	SPRING, Extension

Footnotes

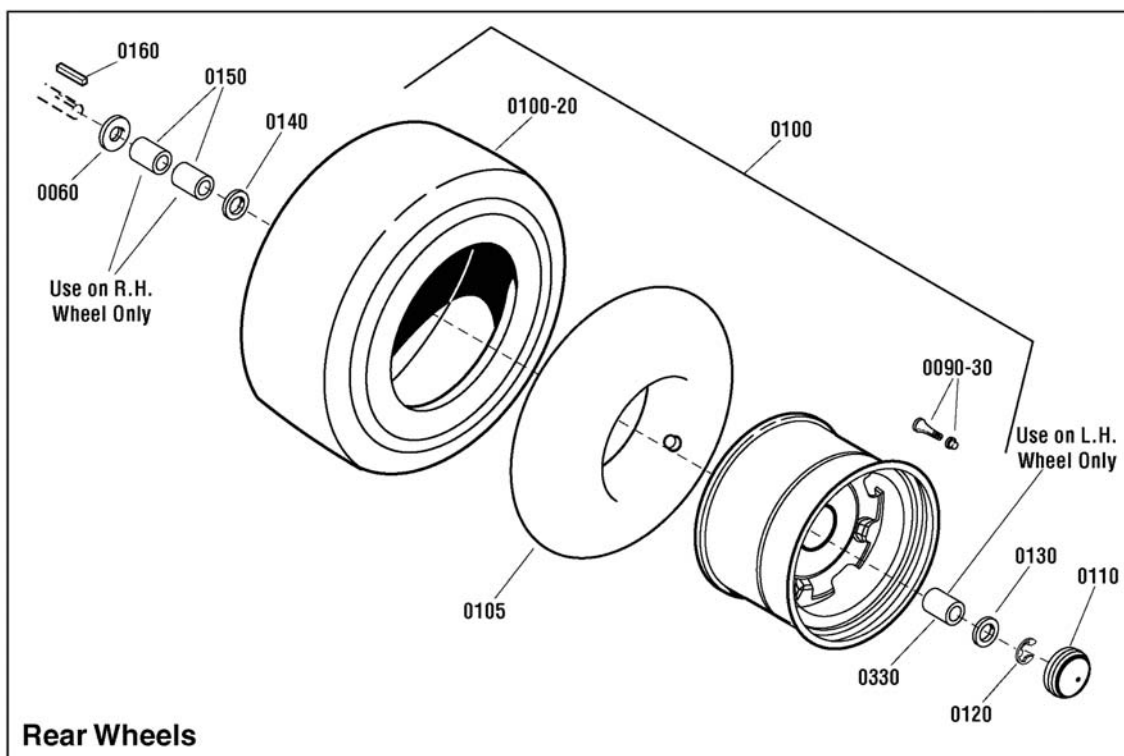
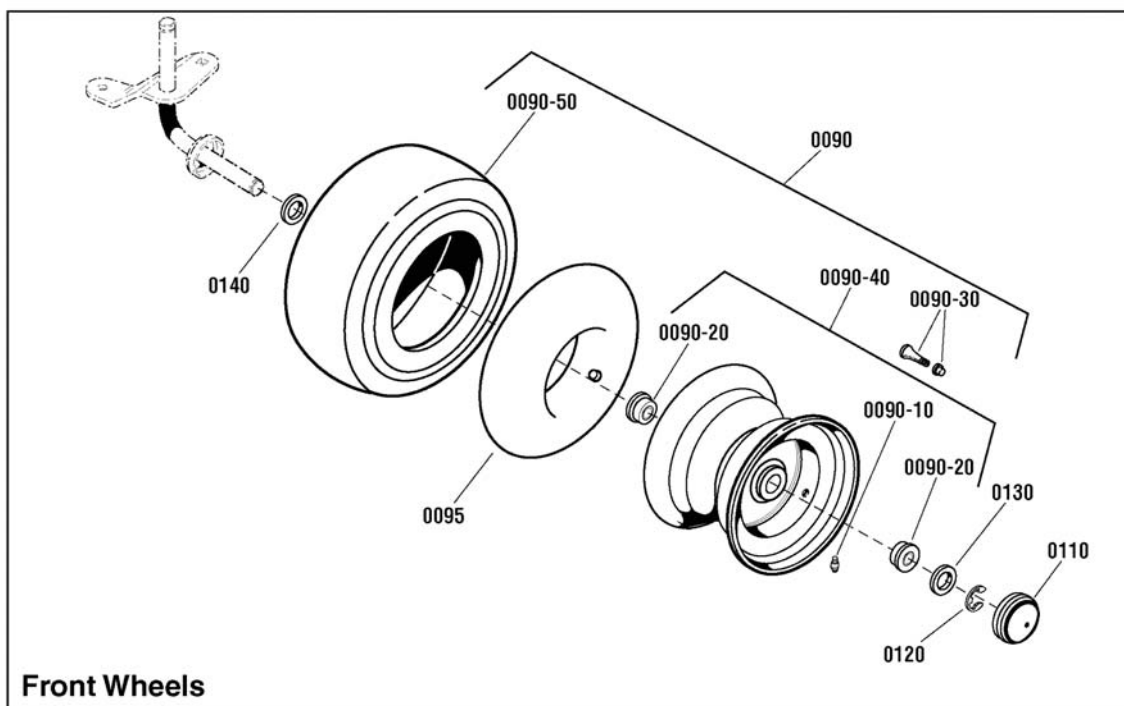
The above parts group applies to the following Mfg. Nos.:

2690927 - EMT16538RD
2690934 - EMT16538RDF

Wheel & Tires Group

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

W885451



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

2690927 - EMT16538RD
2690934 - EMT16538RDF

Wheel & Tires Group

REF NO	PART NO.	QTY.	DESCRIPTION
0060	2860202SM	2	WASHER, 3/4
0090	1729708SM	2	WHEEL& TIRE ASSEMBLY, Front (Includes Ref. Nos. 0090-10, 0090-20, 0090-30, 0090-40 & 0090-50)
0090-10	2812808SM	1	FITTING, Lube
0090-20	1713167SM	2	BEARING, 3/4
0090-30	2172353SM	4	VALVE STEM & CAP
0090-40	1726301SM	1	WHEEL & BUSHINGS ASSEMBLY, Front (Includes Ref. Nos. 0090-10 & 0090-30)
0090-50	1731951SM	1	TIRE, Kenda, Turf Rider, Front, 15 x 6.00 - 6
0095	1664090SM	2	TUBE, Tire, Front
0100	885457YP	2	WHEEL & TIRE ASSEMBLY, Rear, 20 X 8-8 (Includes Ref. Nos. 0090-30 & 0100-20)
0100-20	-----	1	TIRE, Rear, K358 x 20 x 8.94-8 (Not a serviceable part, order Ref. 0100)
0105	2164247SM	2	TUBE, Tire, Rear
0110	094618MA	4	HUB CAP
0120	0011X3MA	4	E-RING
0130	17X195MA	4	WASHER, Flat
0140	17X160MA	4	WASHER, Flat, 3/4 x 1-1/4
0150	1730181SM	2	SPACER, 3/4 ID x 1-1/4 OD x 1-5/8, RH (Use on R.H. Side Only)
0160	021553MA	2	KEY, Square, 3/16
0330	885578YP	1	SPACER, Wheel, LH (Use on L.H. Side Only)

Footnotes

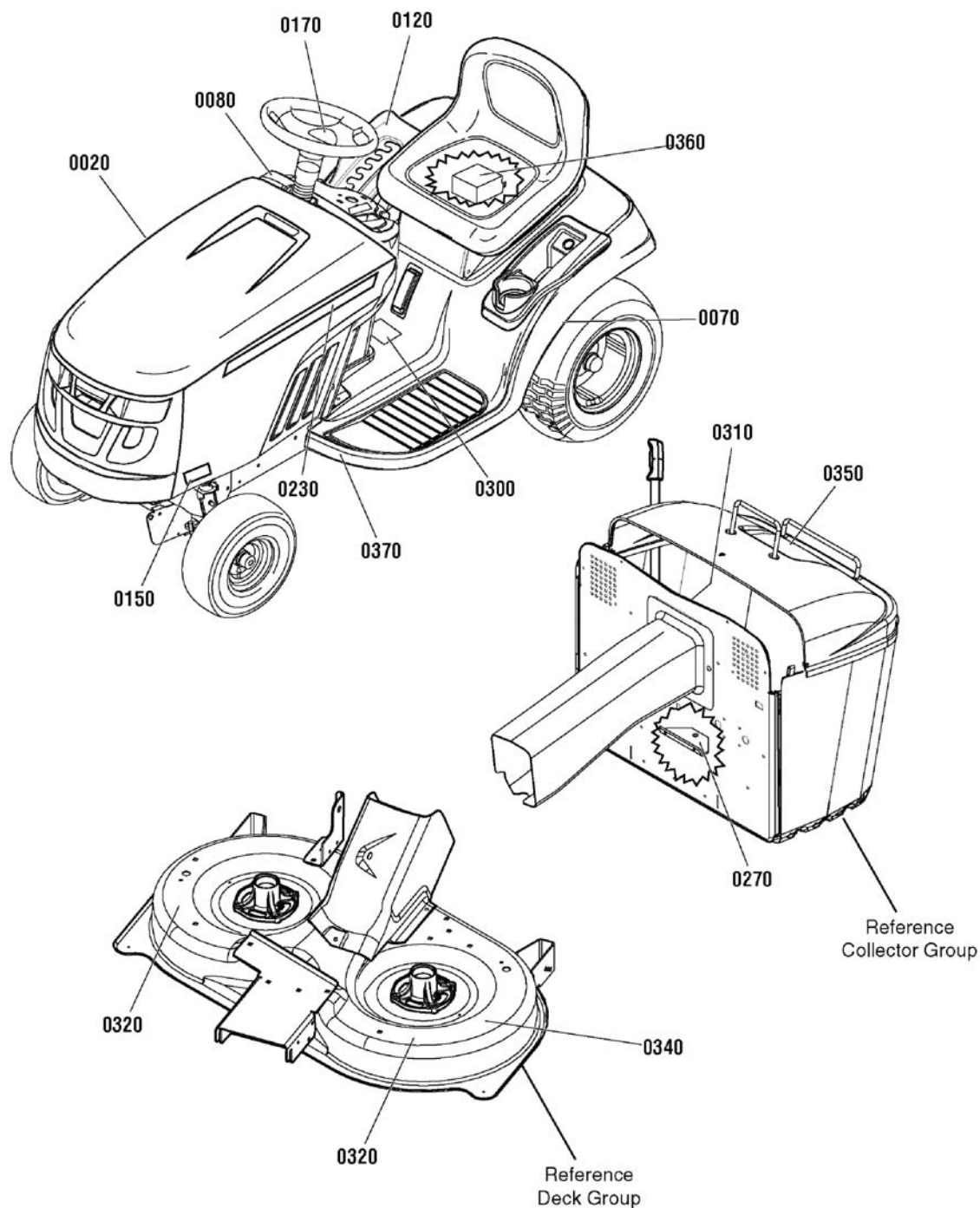
The above parts group applies to the following Mfg. Nos.:

2690927 - EMT16538RD
2690934 - EMT16538RDF

Decal Group

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

D885451



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

2690927 - EMT16538RD

2690934 - EMT16538RDF

Decal Group

REF NO	PART NO.	QTY.	DESCRIPTION
0020	1739087YP	1	DECAL, Murray
0070	7101935YP	1	DECAL, Roll Release
0080	1722806SM	1	DECAL, Ignition Switch Symbols
0120	1730264SM	1	DECAL, Height of Cut
0150	885586YP	1	DECAL, 16.5HP
0170	1737167YP	1	DECAL, Steering Wheel
0230	1739088YP	1	DECAL, Murray
0270	48X511MA	1	DECAL, Drawabar Warning Symbol
0300	1723175SM	1	DECAL, Tunnel
0310	1721107SM	1	DECAL, Danger Discharge Tube Symbols
0320	1720389SM	2	DECAL, Danger Rotation Blade Symbols
0340	885624YP	1	DECAL, Cutting Width
0350	885626YP	1	DECAL, Collector
0360	885627YP	1	DECAL, Battery
0370	48X736MA	1	DECAL, Brake / Clutch

Footnotes

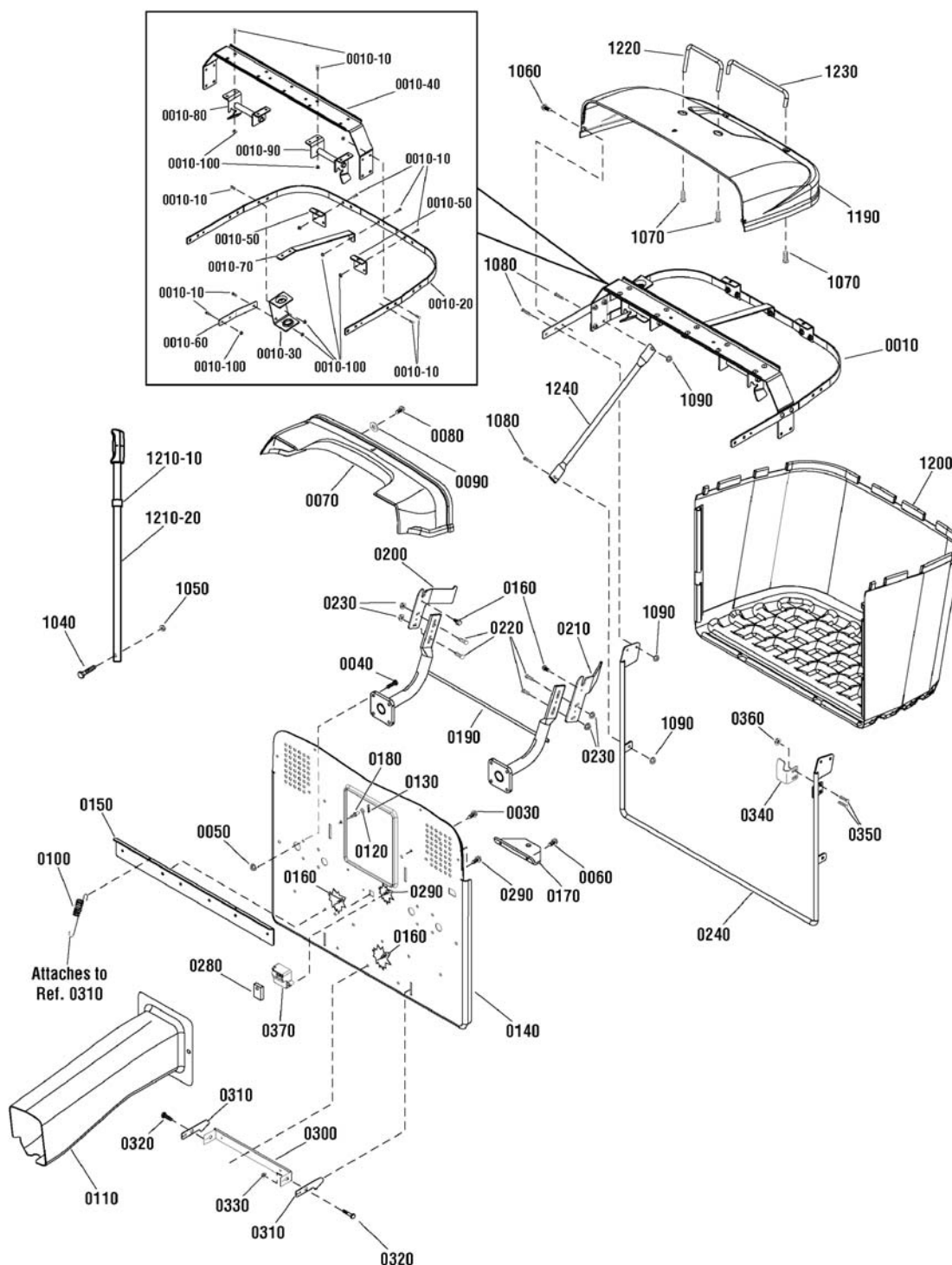
The above parts group applies to the following Mfg. Nos.:

2690927 - EMT16538RD
2690934 - EMT16538RDF

Collector Group

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

885453



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

2690927 - EMT16538RD

2690934 - EMT16538RDF

Collector Group

REF NO	PART NO.	QTY.	DESCRIPTION
0010	885560YP	1	FRAME ASSEMBLY
0010-10	002X82MA	23	BOLT, Carriage, 1/4-20 X 5/8
0010-20	885413AYP	1	FRAME, Upper
0010-30	885416AYP	1	SUPPORT, Dump Handle
0010-40	885507AYP	1	CROSS BRACE
0010-50	885514AYP	2	BRACKET, Mounting, Long
0010-60	885520AYP	1	SUPPORT STRAP, Dump Handle
0010-70	885525AYP	1	SUPPORT, Back, Frame
0010-80	885561AYP	1	BAGGER LOCATOR ASSEMBLY, LH
0010-90	885562AYP	1	BAGGER LOCATOR ASSEMBLY, RH
0010-100	1930641SM	23	NUT, Hex Flange, 1/4-20
0030	26X249MA	4	CAPSCREW, 5/16-18 x 3/4
0040	1931202SM	8	CAPSCREW, Hex Washer Head, Taptite, 5/16-18 x 1-1/4
0050	015X79MA	8	NUT, Hex Flange, Serrated, 5/16-18
0060	1664847SM	2	CAPSCREW, Hex Washer Head, Taptite, 5/16-18 x 3/4
0070	885400YP	1	COVER, Transition
0080	1664847SM	4	CAPSCREW, Hex Washer Head, Taptite, 5/16-18 x 3/4
0090	1919326SM	4	WASHER, 5/16
0100	165X92MA	2	SPRING, Extension
0110	885461YP	1	CHUTE
0120	1960170SM	2	WASHER, 1/2
0130	1960074SM	2	CLIP, Hair Pin
0140	885437AYP	1	BACK PLATE
0150	885470AYP	1	BRACE, Lower Back Plate
0160	1664847SM	7	CAPSCREW, Hex Washer Head, Taptite, 5/16-18 x 3/4
0170	885468AYP	1	PLATE, Hitch
0180	094067MA	2	PIN, Threaded Shoulder
0190	885570AYP	1	SUPPORT, Bagger
0200	885494AYP	1	PLATE, Rotation, RH
0210	885473AYP	1	PLATE, Rotation, LH
0220	1931333SM	4	BOLT, Carriage, Short Neck, 5/16-18 x 3/4, G5
0230	015X79MA	4	NUT, Hex Flange, Serrated, 5/16-18
0240	885566AYP	1	FRAME, Bagger
0280	885573YP	1	SWITCH, Bag Full
0290	880760YP	2	SCREW, Plastite, #10-14 x 7/8
0300	885497AYP	1	BRACKET, Bagger Latch
0310	885496AYP	2	LATCH, Bagger
0320	009X39MA	2	BOLT, Shoulder
0330	015X84MA	4	NUT, Hex Flange, Center Lock, 3/8-16
0340	885489AYP	1	PLATE, Switch
0350	002X82MA	2	BOLT, Carriage, 1/4-20 x 5/8
0360	1930641SM	2	NUT, Hex Flange, Whiz Lock, 1/4-20

Footnotes

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

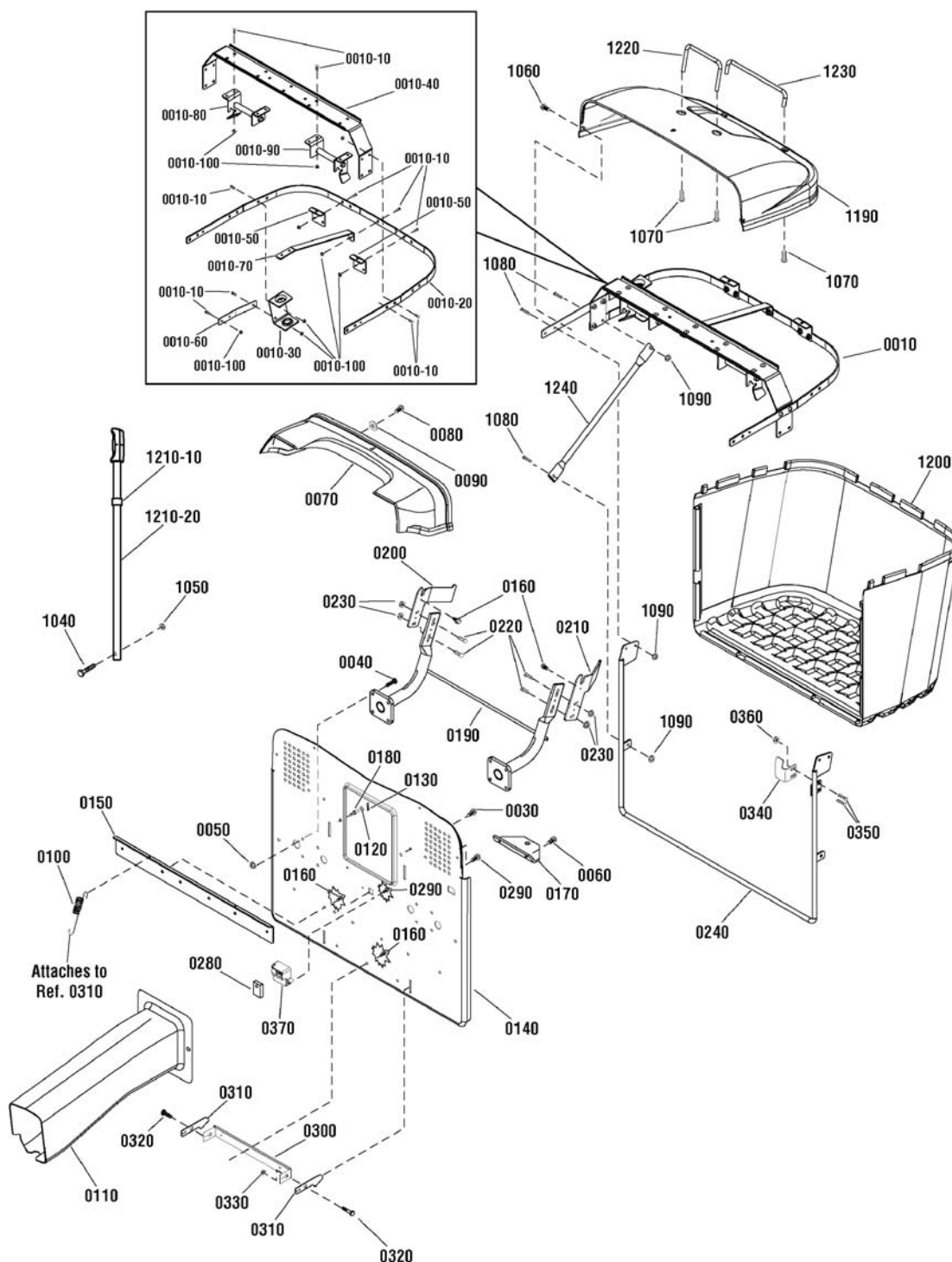
2690927 - EMT16538RD

2690934 - EMT16538RDF

Collector Group

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

885453



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

2690927 - EMT16538RD

2690934 - EMT16538RDF

Collector Group

REF NO	PART NO.	QTY.	DESCRIPTION
0370	885618YP	1	COVER, Bag Full Switch
1040	001X94MA	1	CAPSCREW, Hex Flange Lock, 1/4-20 x 1-1/4
1050	015X89MA	1	NUT, Hex Flange, Lock, 1/4-20
1060	885564YP	2	SCREW, Torx, 1/4-20
1070	7091016YP	4	SCREW, Hex Washer Head, Self Tap, 1/4-20 x 5/8
1080	002X82MA	8	BOLT, Carriage, 1/4-20 x 5/8
1090	1930641SM	8	NUT, Hex Flange, Whiz Lock, 1/4-20
1190	885403YP	1	COVER, Collector
1200	885510YP	1	BAG, Collector
1210-10	885433YP	1	ADJUSTER, Bagger Handle
1210-20	885518AYP	1	HANDLE, Bagger
1220	885425AYP	1	HANDLE, Front
1230	885430AYP	1	HANDLE, Back
1240	885429AYP	2	STIFFENER

Footnotes

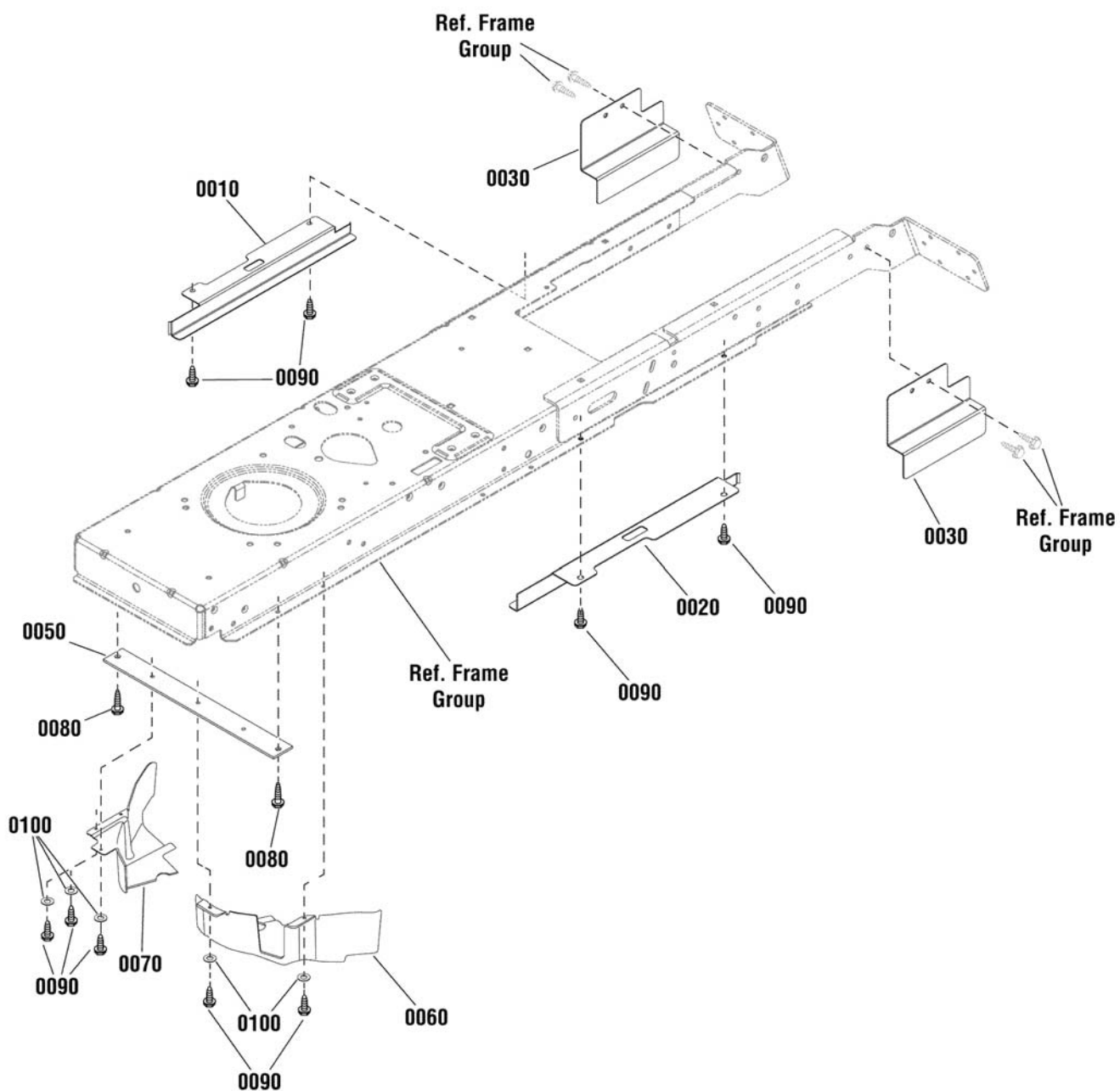
The above parts group applies to the following Mfg. Nos.:

2690927 - EMT16538RD
2690934 - EMT16538RDF

Guard Group - 38" RD

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

885597



The above parts group applies to the following Mfg. Nos.:
2690934 - EMT16538RDF

Guard Group - 38" RD

REF NO	PART NO.	QTY.	DESCRIPTION
0010	885598AYP	1	GUARD, Middle Right
0020	885599AYP	1	GUARD, Middle Left
0030	885600AYP	2	GUARD, Rear
0050	885602AYP	1	BRACE, Guard
0060	885604YP	1	GUARD, Front, LH
0070	885605YP	1	GUARD, Front, RH
0080	1664847SM	6	CAPSCREW, Hex Washer Head, Taptite, 5/16-18 x 3/4
0090	1925003SM	5	CAPSCREW, Hex Washer Head, Taptite, 1/4-20 x 1/2
0100	2821319SM	5	WASHER, 1/4

Footnotes

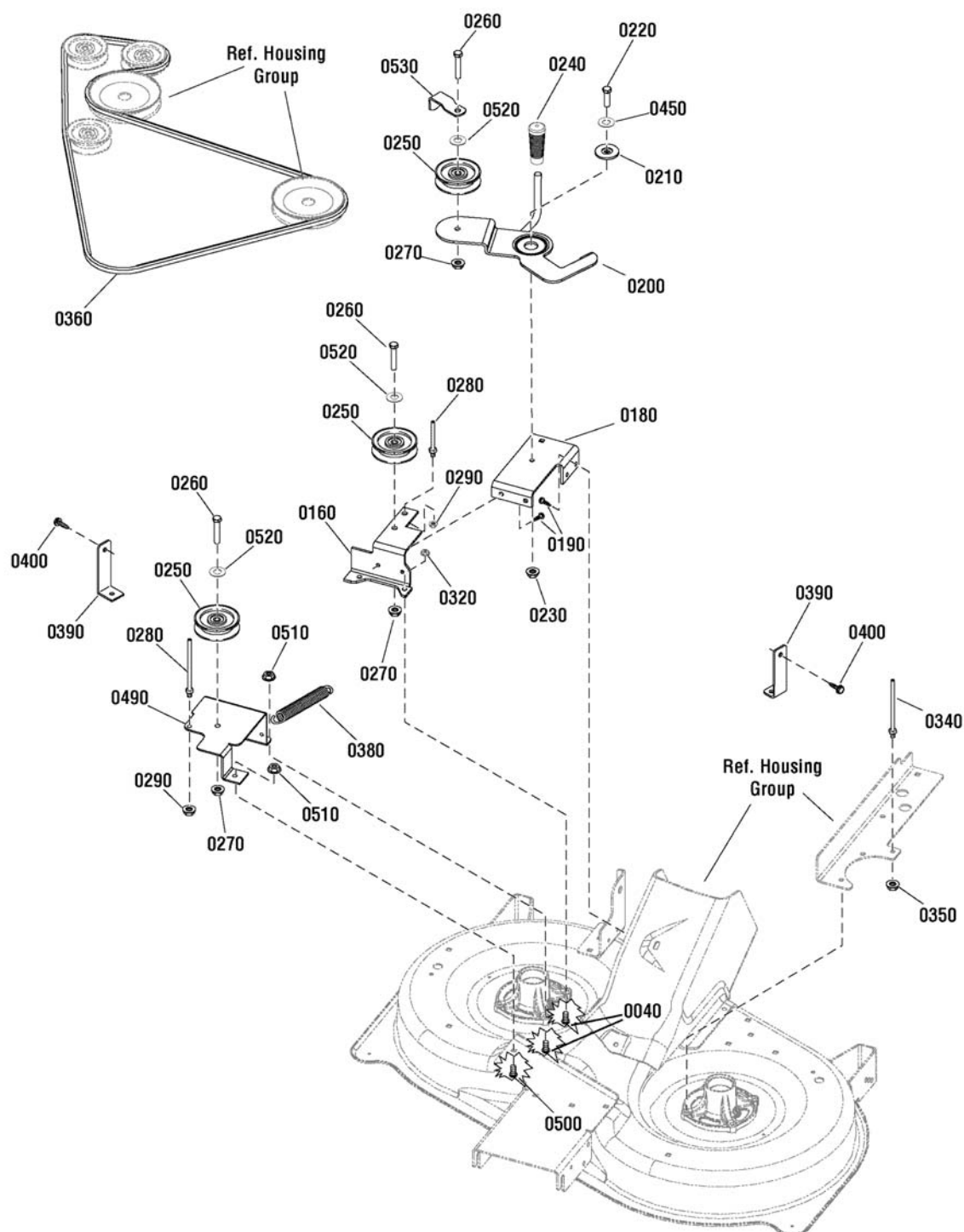
The above parts group applies to the following Mfg. Nos.:

2690934 - EMT16538RDF

38" Mower Deck - Clutch Group

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

885454b



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

2690927 - EMT16538RD

2690934 - EMT16538RDF

38" Mower Deck - Clutch Group

REF NO	PART NO.	QTY.	DESCRIPTION
0040	1930600SM	8	CAPSCREW, Hex Washer Head, Taptite, 5/16-18 x 1-1/2
0160	885481AYP	1	BRACKET, Idler, RH
0180	885516AYP	1	SUPPORT, Idler Arm
0190	1664847SM	4	CAPSCREW, Hex Washer Head, Taptite, 5/16-18 x 3/4
0200	885559AYP	1	DECK IDLER ASSEMBLY
0210	1727935SM	1	SPACER, Pivot, 0.330ID 1.76OD
0220	1921333SM	1	CAPSCREW, Hex Head, 5/16-18 x 1, G5
0230	015X88MA	1	NUT, Hex Flange, Center Lock, 5/16-18
0240	092697MA	1	GRIP
0250	885482YP	3	PULLEY, Deck Idler
0260	1923701SM	3	CAPSCREW, Hex Head, 3/8-16 x 2, G5
0270	1931211SM	3	NUT, Hex Flange, Whiz Lock, 3/8-16
0280	885534YP	2	BELT GUIDE
0290	1931277SM	2	NUT, Hex Flange, Whiz Lock, 5/16-18
0320	1931277SM	2	NUT, Hex Flange, Whiz Lock, 5/16-18
0340	1401105MA	1	BELT GUIDE, Long
0350	1931277SM	1	NUT, Hex Flange, Whiz Lock, 5/16-18
0360	885483YP	1	BELT, DECK
0380	1715435SM	1	SPRING, Extension, 1
0390	885527AYP	2	UPSTOP
0400	1664847SM	4	CAPSCREW, Hex Washer Head, 5/16-18 x 3/4
0450	1919326SM	1	WASHER, 5/16
0490	885556AYP	1	BRACKET, Idler, Fixed
0500	1921333SM	1	CAPSCREW, Hex Head, 5/16-18 x 1, G5
0510	1931277SM	3	NUT, Hex Flange, Whiz Lock, 5/16-18
0520	1922755SM	3	WASHER, Flat, 3/8
0530	1677135ASM	1	GUARD, Belt

Footnotes

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

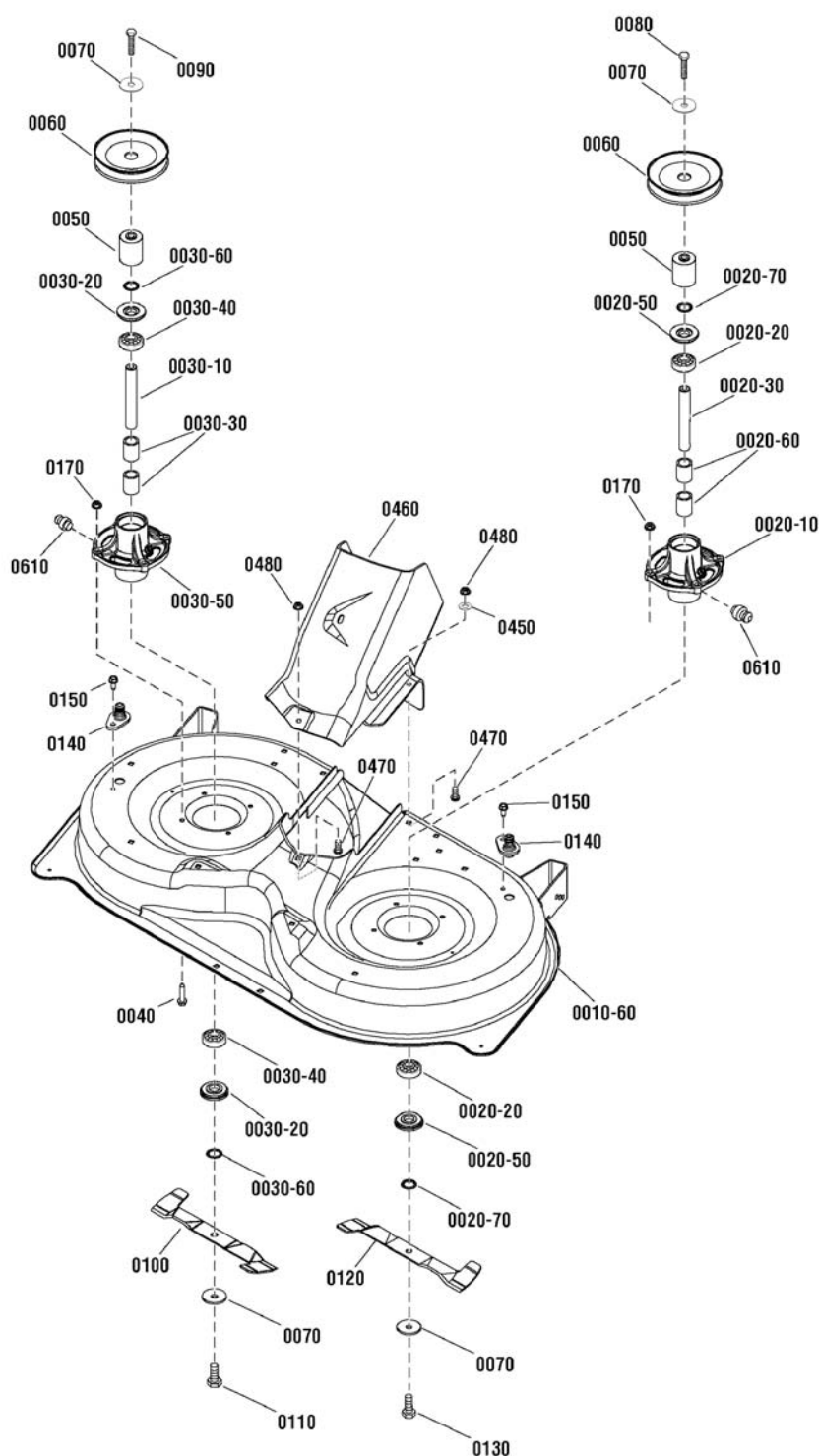
2690927 - EMT16538RD

2690934 - EMT16538RDF

38" Mower Deck - Housing, Arbors & Blade

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

885454a



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

2690927 - EMT16538RD
2690934 - EMT16538RDF

38" Mower Deck - Housing, Arbors & Blade

REF NO	PART NO.	QTY.	DESCRIPTION
0010-60	885557AYP	1	DECK ASSEMBLY
0020-10	1735573YP	2	HOUSING, Spindle
0020-20	1735399YP	4	BEARING, Ball, 20mm
0020-30	1735326YP	1	SHAFT, Spindle, LH
0020-50	1735323YP	4	SHIELD, Arbor
0020-60	1735328YP	4	SPACER, Bearing
0020-70	1960766YP	4	RING, Self Locking
0030-10	885420YP	1	SHAFT, Spindle, RH (LH Thread)
0030-20	1735323YP	4	SHIELD, Arbor
0030-30	1735328YP	4	SPACER, Bearing
0030-40	1735399YP	4	BEARING, Ball, 20mm
0030-50	1735573YP	2	HOUSING, Spindle
0030-60	1960766YP	4	RING, Self Locking
0040	1930600SM	8	CAPSCREW, Hex Washer Head, Taptite, 5/16-18 x 1-1/2
0050	1750338YP	2	SPACER, Mower Drive
0060	1737835YP	2	PULLEY, Deep Groove
0070	1656916SM	4	WASHER, Spring, 0.475ID x 1-3/4 OD
0080	1926110SM	1	CAPSCREW, Hex Head, 7/16-14 x 2-3/4. G5
0090	885456YP	1	CAPSCREW, Socket Head, 7/16-14 x 2-3/4, LH
0100	885418BZYP	1	BLADE, RH
0110	885455YP	1	CAPSCREW, Socket Head, 7/16-14 x 1, LH
0120	885419BZYP	1	BLADE, LH
0130	1920676SM	1	CAPSCREW, Hex Head, 7/16-14 x 1, G5
0140	1735716YP	2	ADAPTER, Washout Port
0150	1664847SM	2	CAPSCREW, Hex Washer Head, Taptite, 5/16-18 x 3/4
0170	1931277SM	6	NUT, Hex Flange, Whiz Lock, 5/16-18
0450	1919326SM	3	WASHER, 5/16
0460	885460YP	1	DECK, CENTER CAP
0470	1931333SM	3	BOLT, Carriage, Short Neck, 5/16-18 x 3/4, G5
0480	1931277SM	3	NUT, Hex Flange, Whiz Lock, 5/16-18
0610	1704314SM	2	FITTING, Grease

Footnotes

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

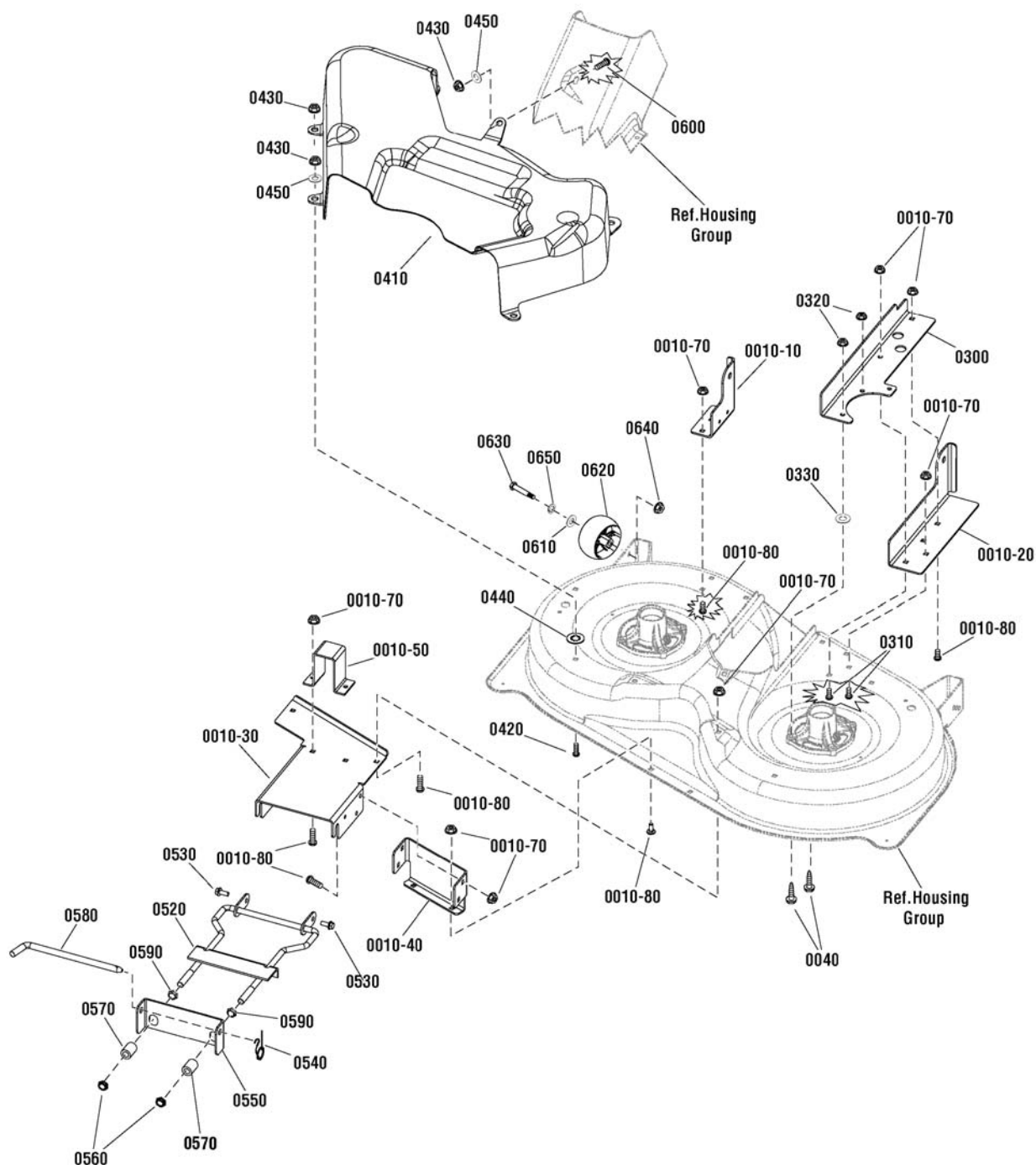
2690927 - EMT16538RD

2690934 - EMT16538RDF

38" Mower Deck - Support Group

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

885454c



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

2690927 - EMT16538RD
2690934 - EMT16538RDF

38" Mower Deck - Support Group

REF NO	PART NO.	QTY.	DESCRIPTION
0010-10	885462AYP	1	BRACKET, Deck, Rear
0010-20	885463AYP	1	BRACKET, Rear Lift, LH
0010-30	885464AYP	1	SUPPORT, Deck Front
0010-40	885465AYP	1	BRACKET, Support
0010-50	885519AYP	1	BRACKET, Front Upstop
0010-70	1931277SM	14	NUT, Hex Flange, Whiz Lock, 5/16-18
0010-80	1931333SM	14	BOLT, Carriage, Short Neck, 5/16-18 x 3/4, G5
0040	1930600SM	2	CAPSCREW, Hex Washer Head, Taptite, 5/16-18 x 1-1/2
0300	885526AYP	1	BRACKET, Rear Lift, LH
0310	1931333SM	2	BOLT, Carriage, Short Square Neck, 5/16-18 x 3/4, G5
0320	1931277SM	2	NUT, Hex Flange, Whiz Lock, 5/16-18
0330	1919326SM	2	WASHER, 5/16
0410	885543YP	1	COVER, Pulley
0420	1931333SM	5	BOLT, Carriage, Short Neck, 5/16-18 x 3/4, G5
0430	1931277SM	6	NUT, Hex Flange, Whiz Lock, 5/16-18
0440	5025498YP	6	NUT, Push On, 5/16
0450	1919326SM	6	WASHER, 5/16
0520	885576AYP	1	ROD ASSEMBLY, Front Hanger
0530	1930591SM	2	CAPSCREW, Hex Lock Flange, 5/16-18 x 3/4
0540	2176012SM	1	RETAINER, Pin Spring
0550	1730221ASM	1	HANGER, Front
0560	1960379SM	2	NUT, Hex Lock, ESNA LIGHT, 1/2-13
0570	1679166SM	2	SPACER, 1/2 ID, 7/8 OD x 1-3/16
0580	1731414SM	1	ROD, Latch
0590	1913744SM	2	NUT, Hex Jam, 1/2-13
0600	002X53MA	1	BOLT, Carriage, 5/16-18 x 5/8
0610	1960170SM	2	WASHER, 1/2
0620	1714760SM	2	WHEEL, Gauge
0630	2108765SM	2	BOLT, 3/8-16 x 2-3/4
0640	1960687SM	2	NUT, Hex Flange, ESNA, 3/8-16
0650	0020X3MA	2	WASHER, Spring, 1/2

Footnotes

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

2690927 - EMT16538RD

2690934 - EMT16538RDF

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

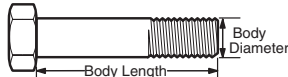
The guides and ruler furnished below are designed to help you select the appropriate hardware.



Nut, M8

Thread
Diameter (mm)
Inside
Diameter (in)
Threads
per inch

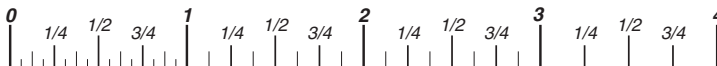
Nut, 1/2-16



Screw, M8- 1.25 x 25

Thread
Diameter (mm)
Body
Diameter
Distance between
threads (mm)
Threads
per inch
Body
Length (mm)
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*, (1.25 thread diameter). 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

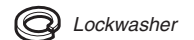
- These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- Recommended seating torque values for locknuts:
 - for prevailing torque locknuts - use 65% of grade 5 torques.
 - for flange whizlock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

Hex Head Capscrew

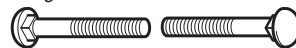


Washer



Lockwasher

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—22 mm

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