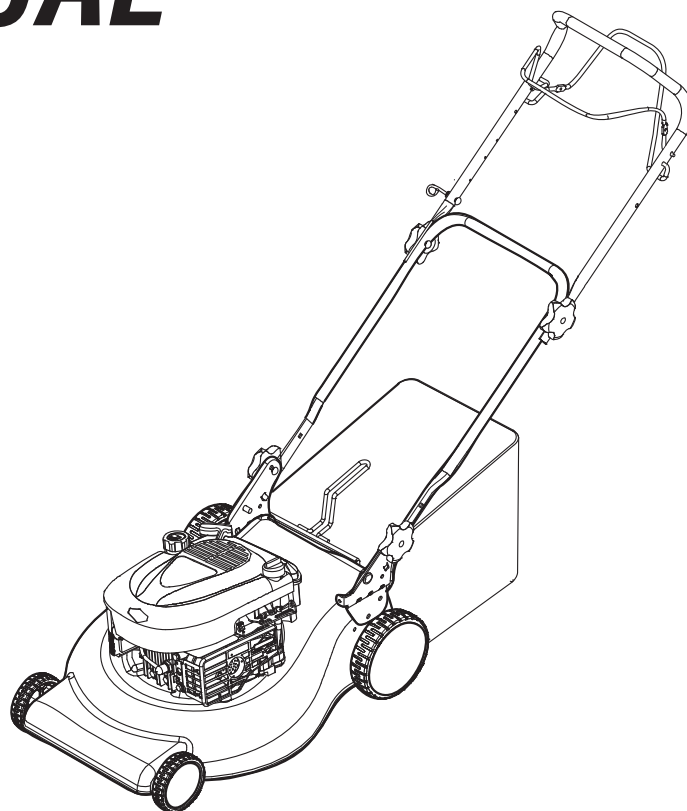




PARTS MANUAL



Models

Mfg. No.
881559

Description

MXU16550E, 550E Series 16" Self Propelled Mower, CE
(2012)

Manual Part No. 1754199

Revision -

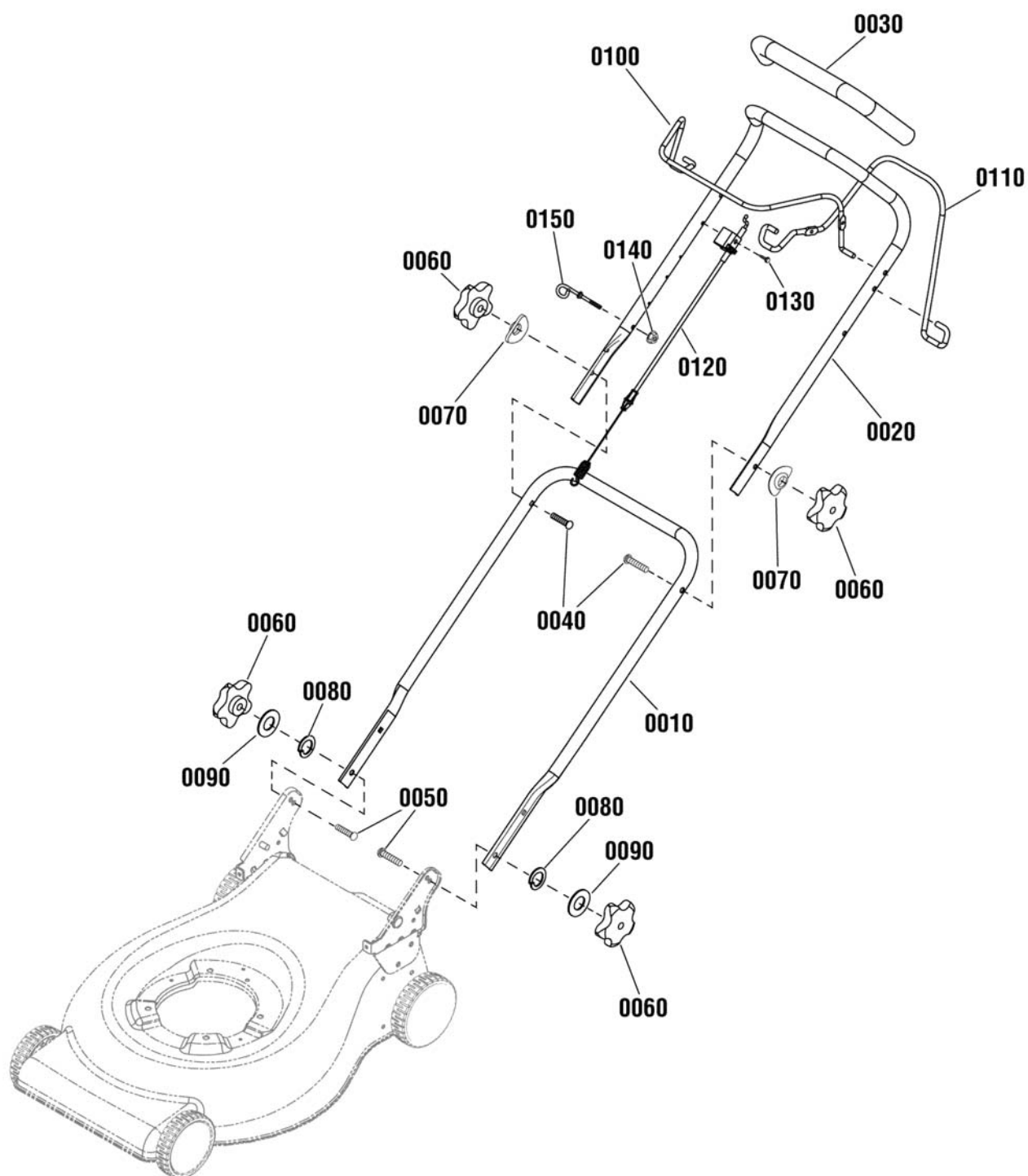
Rev. Date: 12/14/2011

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Deck Group	12
Blade Group	14
Height of Cut Group	16
Torque Specification Chart	Inside Back Cover

Handles Group

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

881303



The above parts group applies to the following Mfg. Nos.:
881559 - MXU16550E

Handles Group

REF NO	PART NO.	QTY.	DESCRIPTION
0010	880608AYP	1	HANDLE, Lower
0020	880470AYP	1	HANDLE, Upper
0030	880729YP	1	TUBING, Foam
0040	880576YP	2	BOLT, Carriage, Short Neck, 5/16-18 x 1-1/8
0050	880594YP	2	BOLT, Carriage, 5/16-18 x 2
0060	881518YP	4	KNOB, Handle, Red
0070	880615YP	2	WASHER, Formed
0080	22129GS	2	WASHER, Lock, 5/16-M8
0090	880607YP	2	WASHER, Flat, 5/16
0100	880637ZYP	1	LEVER, Stop
0110	881060ZYP	1	LEVER, Drive
0120	880297YP	1	CABLE, Drive
0130	880498YP	1	SCREW, Hex Washer Head, Self Tap, #10-16 x 1-1/4
0140	880561YP	1	NUT, Nylock, 1/4-20
0150	7028488MA	1	GUIDE, Rope

Footnotes

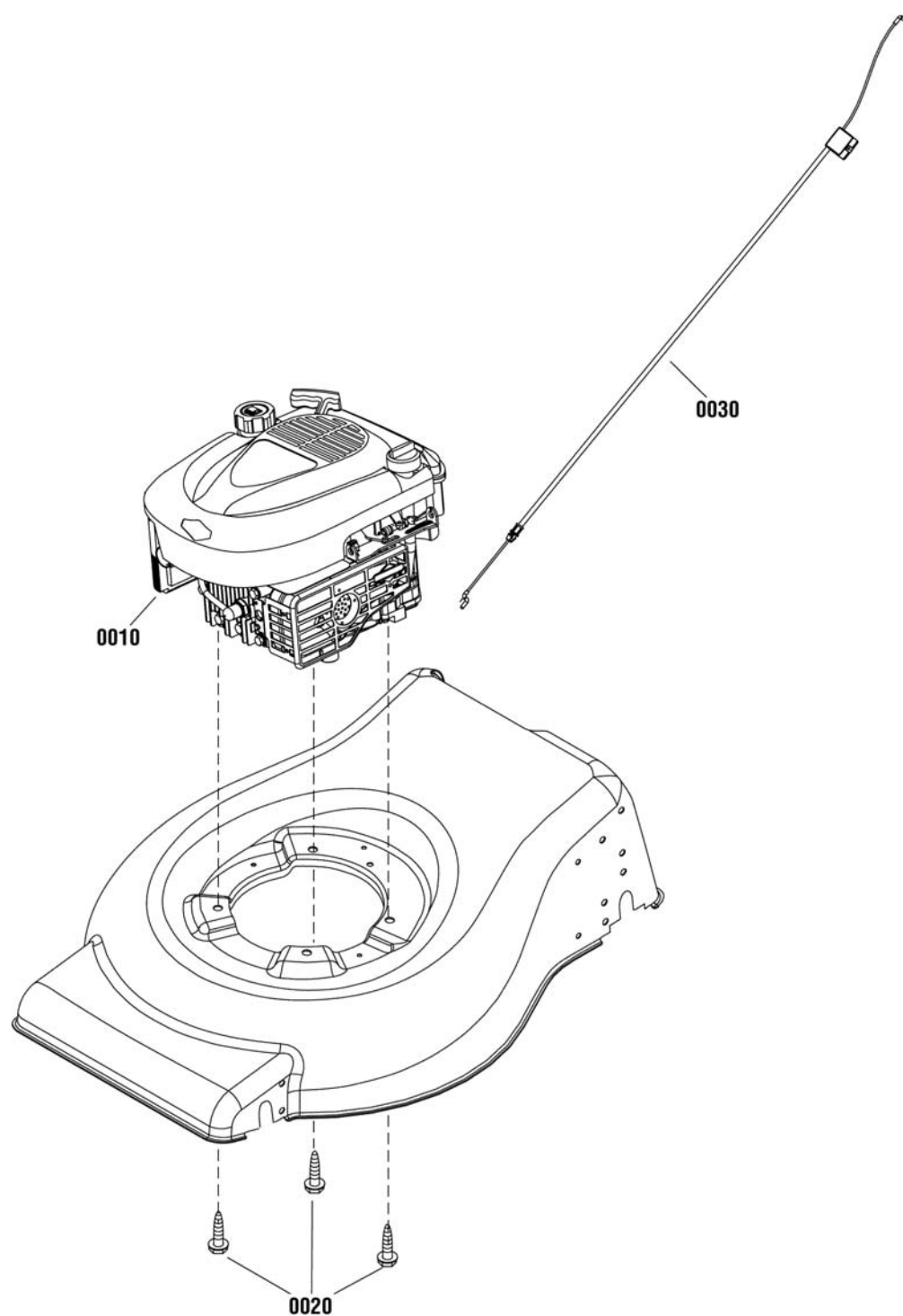
The above parts group applies to the following Mfg. Nos.:

881559 - MXU16550E

Engine Group

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

881613



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

881559 - MXU16550E

Engine Group

REF NO	PART NO.	QTY.	DESCRIPTION
0010	09P702-0034-H1	1	* ENGINE, Briggs & Stratton 500E Series
0020	7090324SM	3	SCREW, Hex Washer Head, Self Tap, 3/8-16 x 1
0030	880279YP	1	CABLE, Engine Stop

Footnotes

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

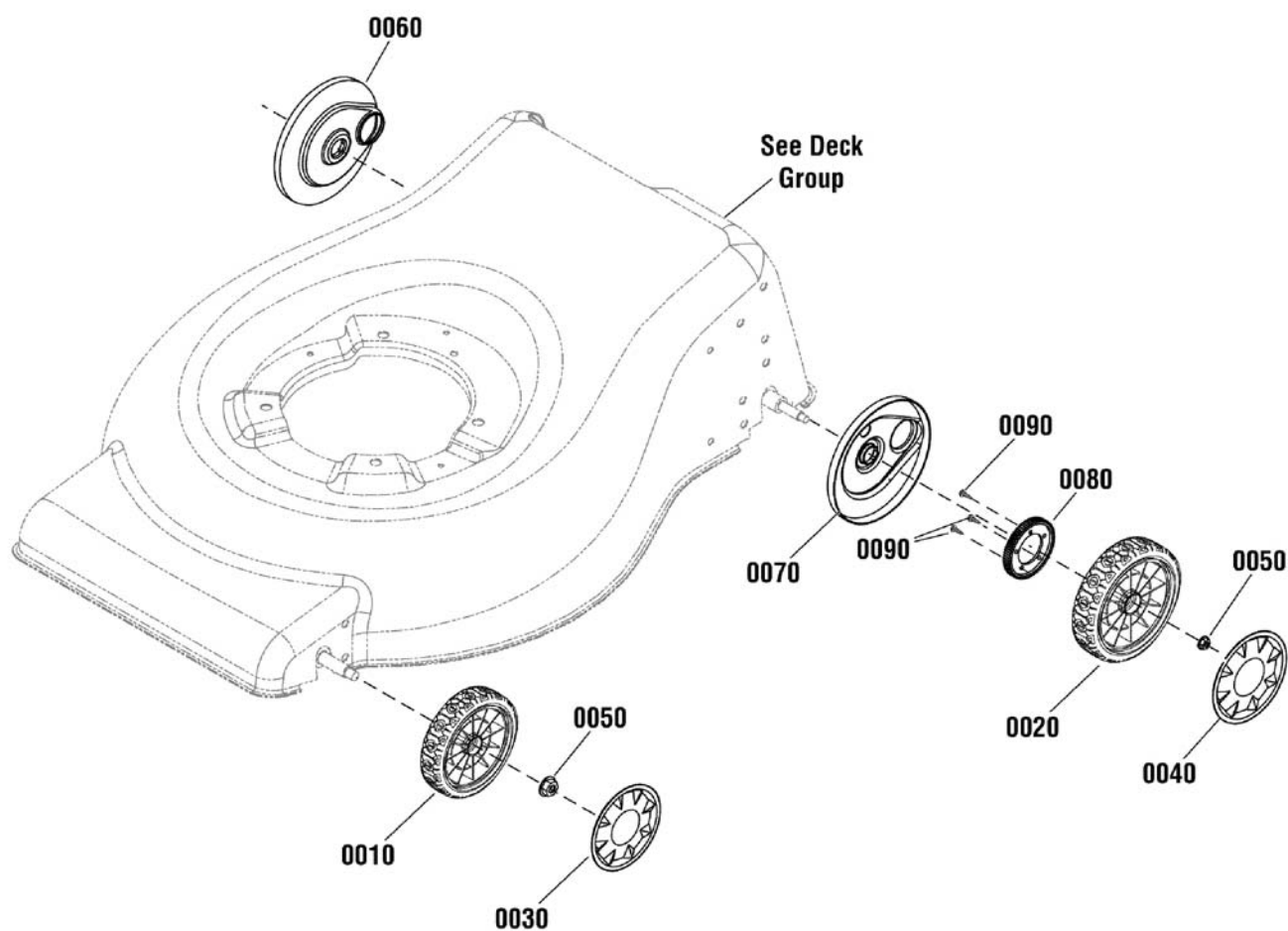
The above parts group applies to the following Mfg. Nos.:

881559 - MXU16550E

Wheels Group - Standard Wheel

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

881339



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

881559 - MXU16550E

Wheels Group - Standard Wheel

REF NO	PART NO.	QTY.	DESCRIPTION
0010	880703YP	2	WHEEL ASSEMBLY, Front, 175mm
0020	880194YP	2	WHEEL ASSEMBLY, Rear, 200mm
0030	880698YP	2	HUBCAP, Front
0040	880699YP	2	HUBCAP, Rear
0050	015X84MA	4	NUT, Hex Flange, Center Lock, 3/8-16
0060	880230YP	1	COVER, Dust, RH
0070	880640YP	1	COVER, Dust, LH
0080	880225YP	2	GEAR, Wheel
0090	26X296MA	6	SCREW, Hex Head, Hi-Lo, 1/4-15 x 3/4

Footnotes

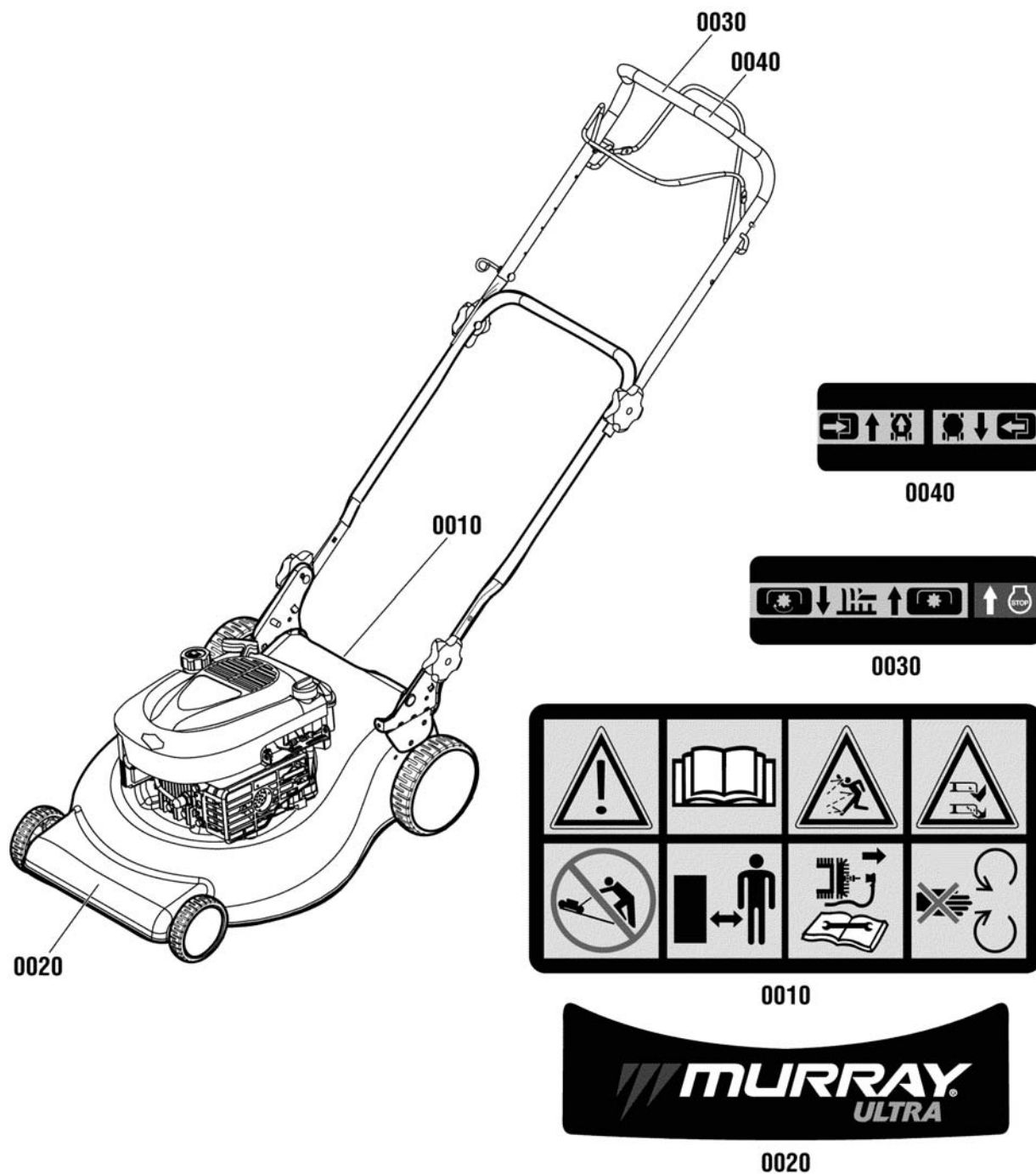
The above parts group applies to the following Mfg. Nos.:

881559 - MXU16550E

Decals Group

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

881653



The above parts group applies to the following Mfg. Nos.:
881559 - MXU16550E

Decals Group

REF NO	PART NO.	QTY.	DESCRIPTION
0010	880360YP	1	DECAL, Warning
0020	881260YP	1	DECAL, Logo, Deck
0030	880545YP	1	DECAL, Engine Lever
0040	880544YP	1	DECAL, Drive Lever

Footnotes

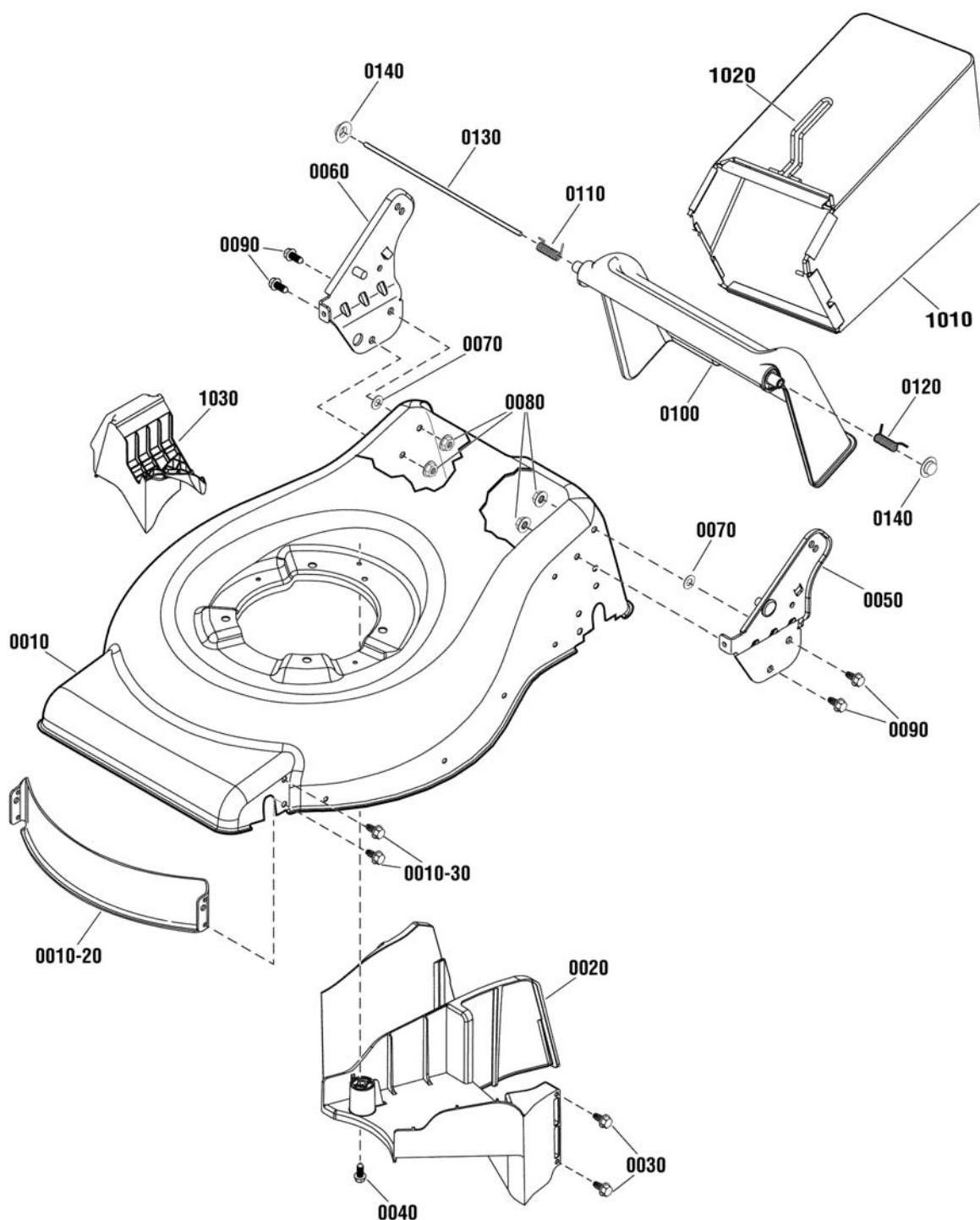
The above parts group applies to the following Mfg. Nos.:

881559 - MXU16550E

Deck Group

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

881327



The above parts group applies to the following Mfg. Nos.:
881559 - MXU16550E

Deck Group

REF NO	PART NO.	QTY.	DESCRIPTION
0010	881120BJYP	1	MOWER HOUSING (Includes Ref. Nos. 0010-20 & 0010-30)
0010-20	880794BIYP	1	BAFFLE, Front, 16"
0010-30	880664YP	4	SCREW, Pan Head, Taptite, 1/4-20 x 1/2
0020	880793YP	1	BAFFLE, Rear
0030	880804YP	5	SCREW, Hi-Lo, 1/4 x 3/4
0040	880664YP	1	SCREW, Pan Head, Taptite, 1/4-20 x 1/2
0050	880951AYP	1	BRACKET, Handle, LH
0060	880950AYP	1	BRACKET, Handle, RH
0070	880607YP	2	WASHER, Flat, .34 ID x .69 OD
0080	1739305YP	4	NUT, Hex Flange, ESNA, 5/16-18
0090	880748YP	4	SCREW, Hex Washer, 5/16-18 x 1/2
0100	880661YP	1	DOOR, Rear
0110	880942YP	1	SPRING, Torsion, RH
0120	880943YP	1	SPRING, Torsion, LH
0130	880213YP	1	ROD, Rear Door
0140	7091020YP	2	NUT, Push, 1/4
1010	880947YP	1	BAG
1020	880944ZYP	1	FRAME
1030	880914YP	1	MULCH PLUG

Footnotes

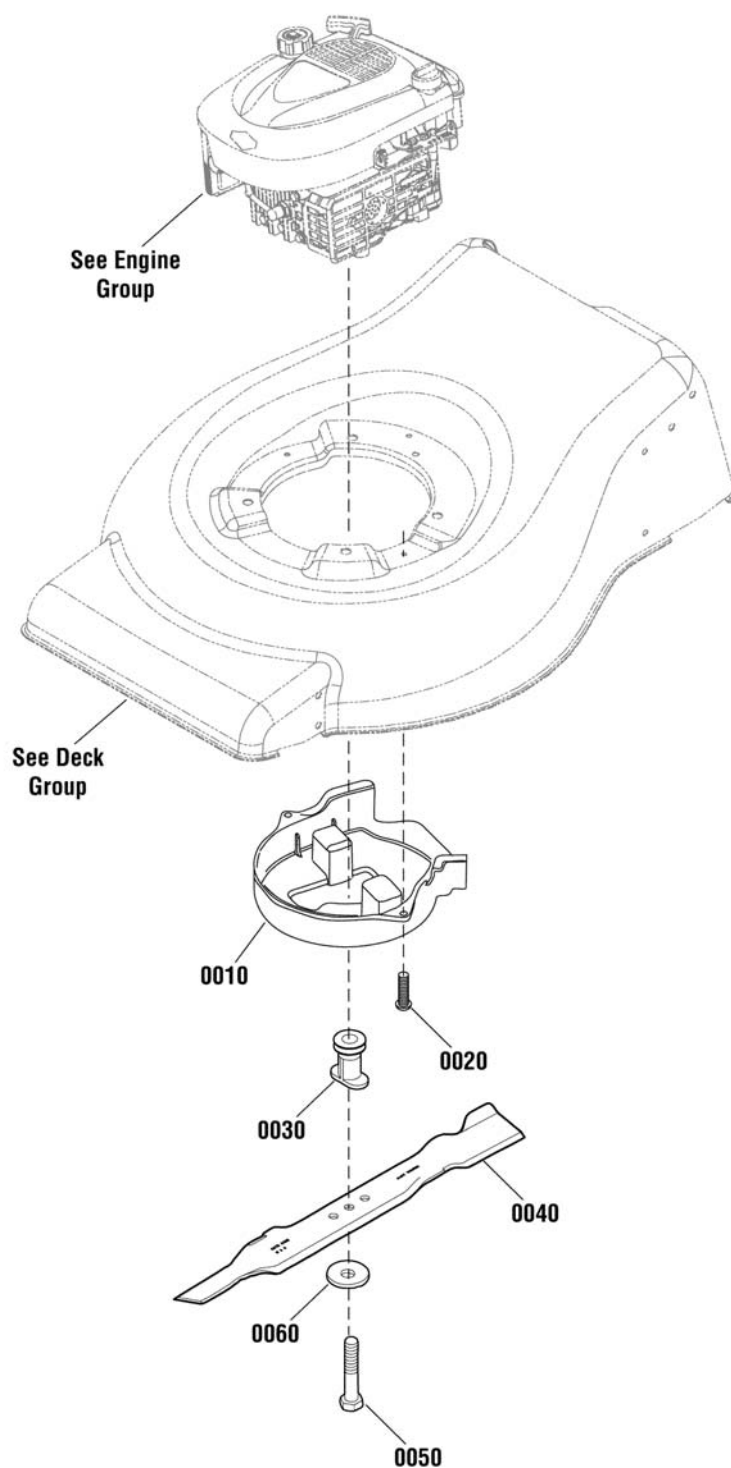
The above parts group applies to the following Mfg. Nos.:

881559 - MXU16550E

Blade Group

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

881282



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

881559 - MXU16550E

Blade Group

REF NO	PART NO.	QTY.	DESCRIPTION
0010	880796YP	1	BELT GUIDE, Front
0020	880664YP	2	SCREW, Pan Head, Taptite, 1/4-20 x 1/2
0030	880567YP	1	BLADE ADAPTER
0040	881076BZYP	1	BLADE, 16"
0050	880034YP	1	CAPSCREW, Hex Head, 3/8-24 x 2
0060	1101989MA	1	WASHER, Belleville

Footnotes

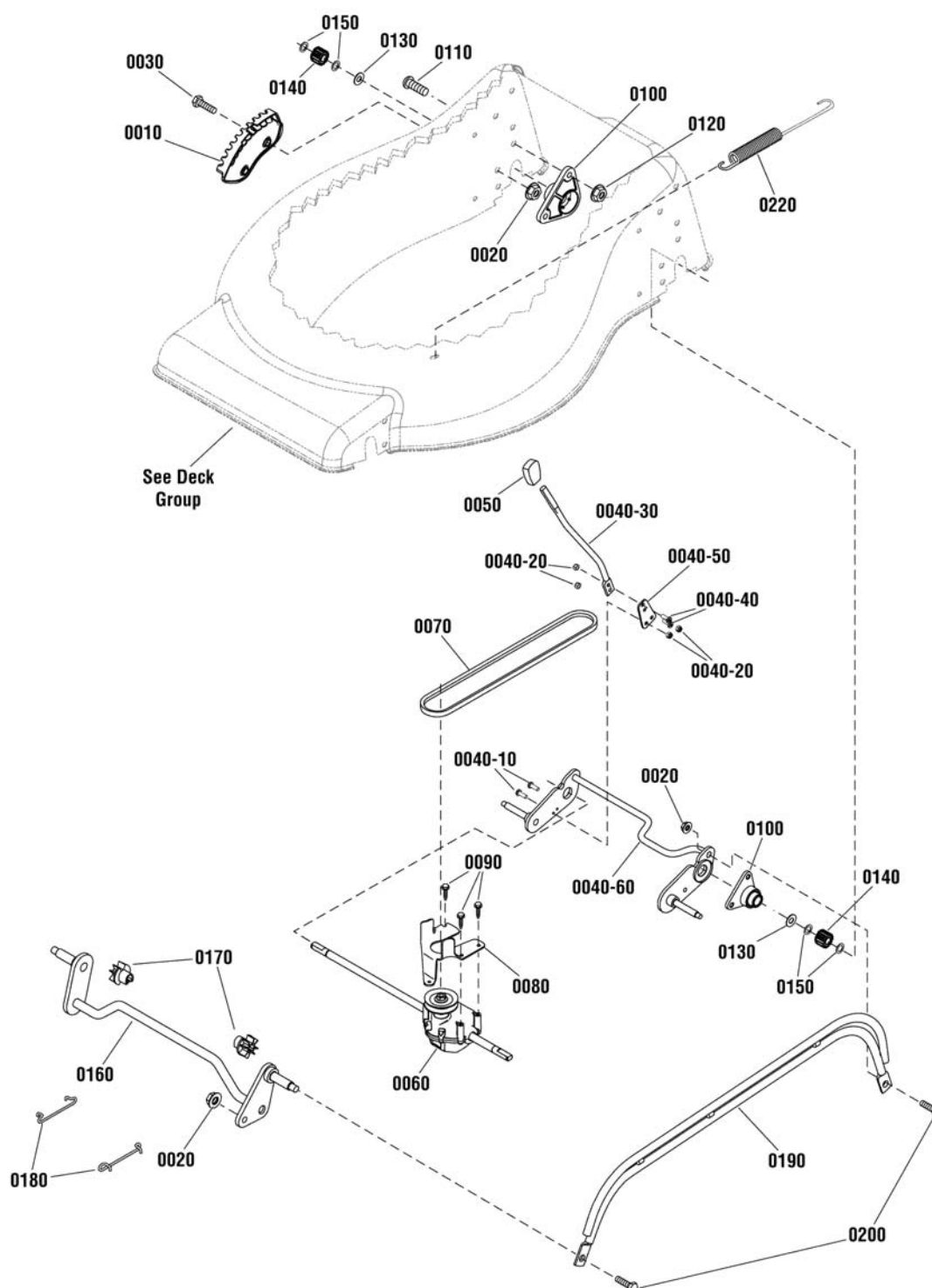
The above parts group applies to the following Mfg. Nos.:

881559 - MXU16550E

Height of Cut Group

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

881571



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

881559 - MXU16550E

Height of Cut Group

REF NO	PART NO.	QTY.	DESCRIPTION
0010	880960YP	1	INDEX BRACKET, Standard Wheel
0020	1739305YP	4	NUT, Hex Flange, ESNA, 5/16-18
0030	22142GS	2	CAPSCREW, Hex Head, 5/16-18 x 3/4
0040-10	880339YP	2	SCREW, Torx Head
0040-20	880428YP	4	NUT, Nylock, M5 x 0.8
0040-30	880540YP	1	LEVER, Height Adjust
0040-40	880577YP	2	SCREW, Torx, M5 - 0.8 x 12.5
0040-50	880642YP	1	SPRING, Height Adjustment
0040-60	880873BIYP	1	CROSSBAR, Rear, Standard Wheel
0050	881059YP	1	KNOB, Adjuster, Red
0060	880379YP	1	TRANSMISSION
0070	880424YP	1	BELT, Drive
0080	880282YP	1	GUIDE, Belt
0090	880760YP	1	SCREW, Plastite, #10-14 x 7/8
0100	880787YP	2	RETAINER ASSEMBLY, Ball Bearing
0110	880845YP	4	SCREW, Torx Truss Head, 1/4-20 x 5/8
0120	880859YP	4	NUT, Flange Lock, 1/4-20
0130	880324YP	2	WASHER, Thrust
0140	880226YP	2	GEAR, Pinion, 11 Teeth, Standard Wheel
0150	880269YP	4	RING, Retaining
0160	880459YP	1	CROSSBAR ASSEMBLY, Front
0170	880050YP	2	BUSHING, Front
0180	881163YP	2	SPRING CLIP, Crossbar
0190	881478AYP	1	LIFTER LINK
0200	880651YP	2	BOLT, Shoulder, 5/16-18
0220	880052YP	1	SPRING, Extension

Footnotes

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

881559 - MXU16550E

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

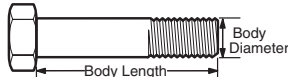
The guides and ruler furnished below are designed to help you select the appropriate hardware.



Nut, M8

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

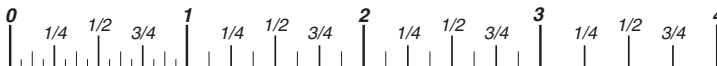
Nut, 1/2-16



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

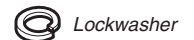
- These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- Recommended seating torque values for locknuts:
 - for prevailing torque locknuts - use 65% of grade 5 torques.
 - for flange whizlock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



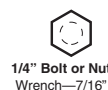
Lockwasher

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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