

Attachment Illustrated Parts List



Attachment

Mfg. No. Description
1694399 540 RPM P.T.O.

Simplicity

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TP 400-3901-00-AT-SMA

PRODUCT COMPONENTS	PAGES
Tuff Torq PTO Group - 540 RPM	4
Torque Specification Chart	Inside Back Cover

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

This diagram illustrates the exploded view of a mechanical assembly, likely a motor or actuator. The components are numbered as follows:

- 1: Small screw
- 2: Small rectangular block
- 3: Small circular washer or spacer
- 4: Two hex nuts
- 5: Small hex nut
- 6: Small hex nut
- 7: Small cylindrical pin or bush
- 8: Long, thin metal arm or lever
- 9: Small circular washer or spacer
- 10: Small metal clip or pin
- 11: Long screw
- 12: Main housing or frame
- 13: Small cylindrical pin or bush
- 14: Small metal clip or pin
- 15: Two screws
- 16: Rectangular base plate with mounting holes
- 17: Two screws
- 18: Long metal arm or lever
- 19: Small rectangular plate with mounting holes
- 20: Four long screws
- 21: Small cylindrical pin or bush
- 22: Small metal clip or pin
- 23: Cable with connectors
- 24: Small circular washer or spacer
- 25: Small rectangular plate with mounting holes
- 26: Small circular washer or spacer
- 27: Hex nut

Briggs and Stratton Yard Power Products Group
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Tuff Torq PTO Group - 540 RPM

REF NO	PART NO.	QTY.	DESCRIPTION
1	1960666SM	1	CAPSCREW, Hex Head, 1/4 - 20 x 7/8
2	1726043SM	1	HANDLE, 540 PTO
3	1920397SM	1	NUT, Nylock, 1/4 - 20
4	1654634SM	2	SWITCH, Ball
5	1960680SM	1	NUT, Hex Washer, 3/8 -16
6	1676148SM	2	BUSHING
7	1669105SM	1	SPACER
8	1724225SM	1	HANDLE ASSEMBLY
9	1919326SM	2	WASHER
10	1722460SM	2	PIN, Quick
11	1960615SM	1	BOLT, Carriage, 3/8 - 16 x 2-1/2
12	1725790SM	1	PTO, 540 RPM, Tuff Torq
13	1724216SM	1	ARM & HUB ASSEMBLY
14	1725010SM	1	ROLL PIN
15	1664847SM	2	CAPSCREW, Hex Washer Head, 5/16 - 18 x 3/4
16	1725944SM	1	SHIELD & DECAL ASSEMBLY
17	1960677SM	2	CAPSCREW, Hex Head, M12 - 1-3/4 x 25mm
18	1724229SM	1	ROD
19	1725574SM	1	DECAL, 540 PTO Lever Control
20	1726291SM	4	CAPSCREW, 8mm x 90mm
21	1726474SM	1	COVER, 540 PTO
22	1726249SM	1	RING, Snap
23	1724963SM	1	WIRE HARNESS
24	1726283SM	1	O-RING
25	1726106SM	1	O-RING
26	1726169SM	1	SOLENOID GASKET
27	1718122SM	10	CAPSCREW, 8mm x 30mm

Footnotes

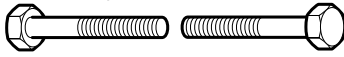
The above parts group applies to the following Mfg. Nos.:

1694399 - 540 RPM P.T.O.

Hardware Identification & Torque Specifications

Common Hardware Types

Hex Head Capscrew



Washer



Carriage Bolt



Lockwasher



Hex Nut

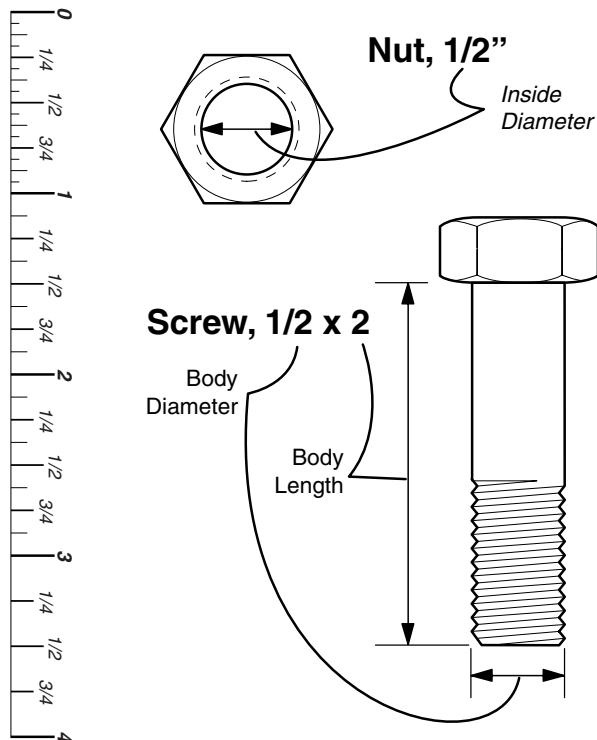


Standard Hardware Sizing

When a washer or nut is identified as **1/2"**, this is the *Nominal size*, meaning the *inside diameter* is 1/2 inch; if a second number is present it represent the *threads per inch*

When bolt or capscrew is identified as **1/2 - 16 x 2"**, this means the *Nominal size*, or *body diameter* is 1/2 inch; the second number represents the *threads per inch* (16 in this example, and the final number is the *body length* of the bolt or screw (in this example 2 inches long).

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



Torque Specification Chart

FOR STANDARD MACHINE HARDWARE (Tolerance $\pm 20\%$)

Hardware Grade	No Marks SAE Grade 2		SAE Grade 5		SAE Grade 8	
	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	27	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

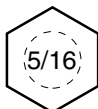
NOTES

- 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.

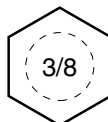
Wrench & Fastener Size Guide



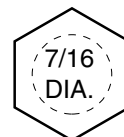
1/4" Bolt or Nut
Wrench—7/16"



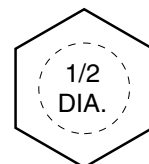
5/16" Bolt or Nut
Wrench—1/2"



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"

