

Attachment Illustrated Parts List



MASSEY FERGUSON
LAWN & GARDEN EQUIPMENT

AGCO

Attachment

Mfg. No.	Description
1692927	R.O.P.S., (Roll-Over Protection System)
1694400	R.O.P.S., (Roll-Over Protection System)

Simplicity

MANUFACTURING, INC.
500 N. Spring Street / PO Box 997
Port Washington, WI 53074-0997 USA

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TP 400-2421-01-AT-SMA

Notes

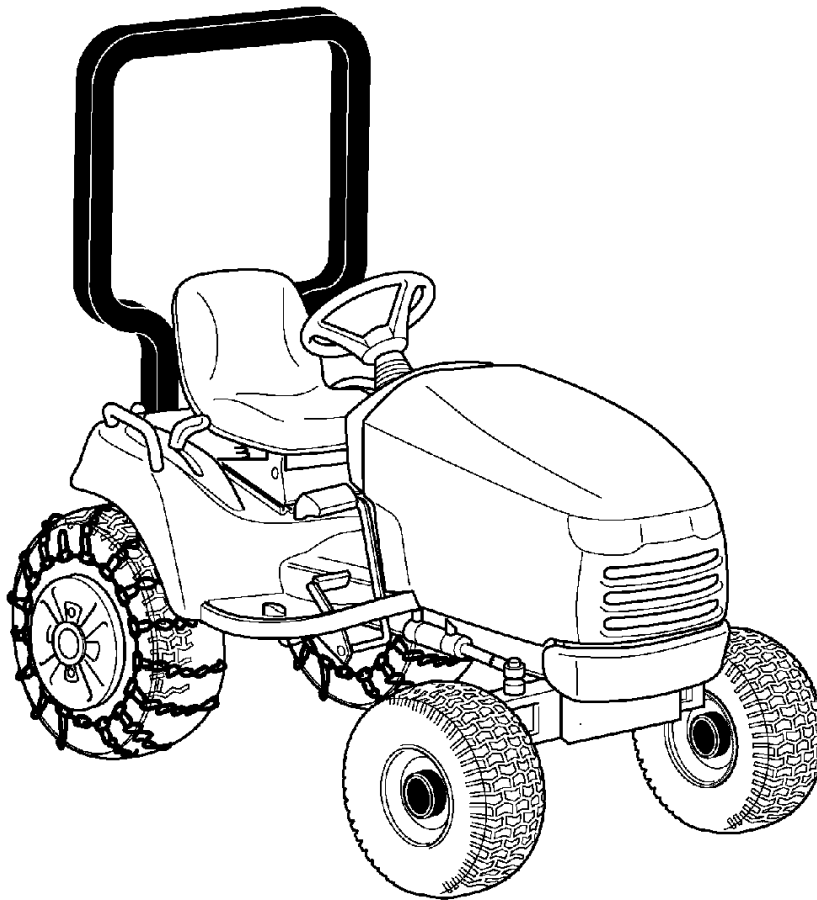
The above parts group applies to the following Mfg. Nos.:

1692927 - R.O.P.S.

1694400 - R.O.P.S.

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

This attachment is not serviced by Simplicity. Please contact the following attachment manufacturer for service parts, service information, and technical literature.



FEMCO, Inc.

500 North 81 By-pass

P.O. Box 1186

McPhearson, KS 67460

Toll Free: (800) 677-0898

Phone: (316) 241-3513

Fax: (316) 241-3532

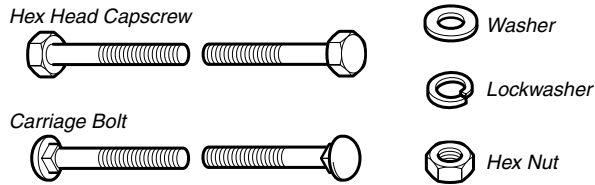
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1692927 - R.O.P.S.

1694400 - R.O.P.S.

Hardware Identification & Torque Specifications

Common Hardware Types

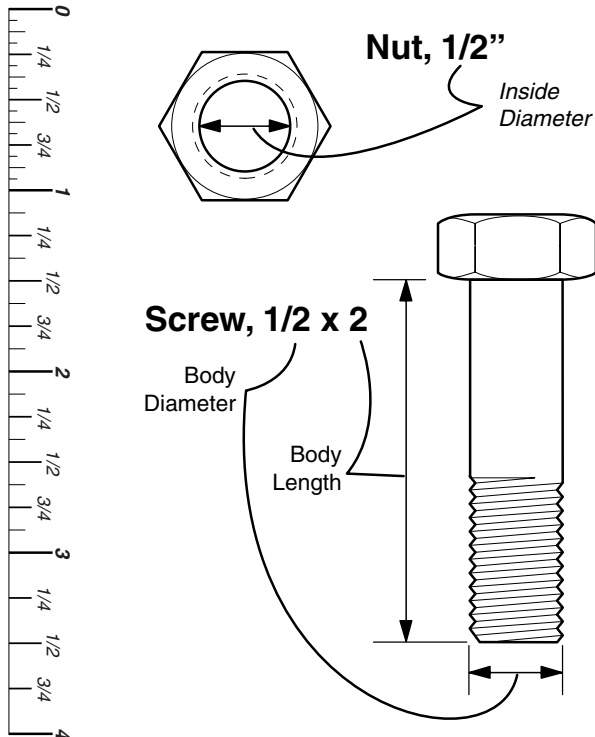


Standard Hardware Sizing

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	 SAE Grade 2	 SAE Grade 5	 SAE Grade 8			
Size Of Hardware	<i>in/lbs</i> <i>ft/lbs</i>	Nm.	<i>in/lbs</i> <i>ft/lbs</i>	Nm.	<i>in/lbs</i> <i>ft/lbs</i>	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

