



# Customer Service Bulletin Commercial Business Group

## Toro Commercial Product

Date: August 14, 2006

**Model/Serial Range:**    **Model Number:**    **Serial Numbers:**

See List below                      00000-260099999

### Subject: Steering Wheel Fastener and Assembly Torque Information

This bulletin contains best practice information for correct assembly of Toro Commercial Product steering wheel fasteners.

There is inconsistency in how steering wheels have been assembled on some Commercial Products. This publication is intended to resolve differences in fastening methodology by communicating standard best practice. The fastener and torque information contained in this bulletin supersedes information contained in the setup information section of the operator's manual supplied with your Toro Commercial product - if listed in the chart. If your Toro Commercial product is not listed below, refer to currently published instruction in your Operator's Manual for correct installation of the steering wheel.

1. The Model Application Chart below associates a reference letter with a Commercial Product model number.
2. Use the associated reference letter in the Hardware and Torque Chart to identify the appropriate hardware and installation torque for the correct steering wheel assembly.
3. Repair accordingly.

Please contact your local Toro Commercial Products Distributor for further information on this issue and to obtain the specified fastener hardware.

### Model Application Chart

Ref.	Model #	Model Description	Ref.	Model #	Model Description
B	03200	REELMASTER 3100-D	B	30309	GROUNDMASTER 3280-D 4WD
B	03201	REELMASTER 3100-D W/ SIDEWINDER	B	30343	GROUNDMASTER 3320
B	03206	REELMASTER 3100-D	B	30344	GROUNDMASTER 3280-D 2WD
B	03207	REELMASTER 3100-D SIDEWINDER	B	30345	GROUNDMASTER 3280-D 4WD
A	03428	REELMASTER 2000-D	D	30410	GROUNDMASTER 4000-D
A	03431	REELMASTER 2000-D	D	30411	GROUNDMASTER 4100-D
B	03540	REELMASTER 5200D	E	30581	GROUNDMASTER 580-D
B	03543	REELMASTER 5400D	E	30582	GROUNDMASTER 580-D
B	03544	REELMASTER 5400D 4WD	E	30583	GROUNDMASTER 580-D 4WD
E	03550	REELMASTER 5500-D	B	30626	GROUNDMASTER 328D
E	03551	REELMASTER 5500D 4WD	B	30627	GROUNDMASTER 328D 4WD

Ref.	Model #	Model Description	Ref.	Model #	Model Description
B	03660	REELMASTER 5210	B	30630	GROUNDMASTER 328-D 2WD E
B	03670	REELMASTER 5410	B	30631	GROUNDMASTER 328-D 4WD E
B	03690	REELMASTER 5610	B	30741	GROUNDMASTER 325D 4WD ENCL HOOD
E	03706	REELMASTER 4000-D	B	30788	GROUNDMASTER 325D PS
E	03707	REELMASTER 4000-D 4WD	B	30795	GROUNDMASTER 325D W/4WD OPT
E	03806	R REELMASTER 6500-D 2WD	B	30821	GROUNDMASTER 3500-D
E	03807	R REELMASTER 6500-D 4WD	B	30826	GROUNDMASTER 3505-D
E	03808	R REELMASTER 6700-D 4WD	B	30839	GROUNDMASTER 3500-D
C	07252	WORKMAN 1100	E	30856	GROUNDMASTER 4500-D
C	07253	WORKMAN 2100	E	30868	GROUNDMASTER 4700-D
C	07264	WORKMAN 1110	E	41177	MULTI PRO 1250
C	07277	WORKMAN 2110	E	41178	MULTI PRO 1200
C	07280	MID-DUTY ELECTRIC WORKMAN	E	41179	MULTI PRO 1250, INTERNATIONAL
B	07360	WORKMAN 3200 GAS 2WD	E	41582	MULTI PRO 5700-D
B	07361	WORKMAN 3200 GAS W/BED	C	07252TC	WORKMAN 1100 - INTERNATIONAL
B	07362	WORKMAN 3300D	C	07253TC	WORKMAN 2100 - INTERNATIONAL
B	07363	WORKMAN 3100 ACG	C	07264TC	WORKMAN 1110 - INTERNATIONAL
B	07364	WORKMAN 4300 LCD 4WD	C	07277TC	WORKMAN 2110 - INTERNATIONAL
B	07365	WORKMAN 4200 LCG 4WD	C	07280TC	E-WORKMAN - INTERNATIONAL
B	08703	SAND PRO 3040	B	07361TC	WORKMAN 3200 - INTERNATIONAL
B	08705	SAND PRO 5040	B	07361TC	WORKMAN 3200 GAS W/BED - INTERNATIONAL
B	30230	GROUNDMASTER 225	B	07362TC	WORKMAN 3300 D-INTERNATIONAL
B	30243	GROUNDMASTER 223D 4WD	B	07362TC	WORKMAN 3300D - INTERNATIONAL
B	30307	GROUNDMASTER 3320-G	B	07364TC	WORKMAN 4300-D 4WD - INTERNATIONAL
B	30308	GROUNDMASTER 3280-D 2WD	B	07364TC	WORKMAN 4300 LCD 4WD - INTERNATIONAL

### Hardware and Torque Table

Reference	Nut Size	Recommended Lock Nut	Recommended Washer	Assembly Torque Ft. Lbs.	Assembly Torque Nm
A	.500-13	3296-25	3256-26	20 +/- 2	27.1 +/- 2.7
B	.625-18	3296-33	3256-27	23 +/- 3	31.2 +/- 4.1
C	M12-1.25	Loctite 242 – use existing nut	3256-26	15 +/- 2	20.3 +/- 2.7
D	M14-1.5	108-9342	3256-27	20 +/- 2	27.1 +/- 2.7
E	M16-1.5	107-2562	33098-00	23 +/- 3	31.2 +/- 4.1
E (Available after 9/8/06)	M16-1.5	110-8816 (new standard)	3256-27 (new standard)	23 +/- 3	31.2 +/- 4.1

\* This part will be available after September 8, 2006