

Installing the Compact Drive Nut

Do not use anti-size on the nut or drive stub.

Caution: Do not tighten set screws before installing nut.

- Thoroughly clean and degrease the threads on both the nut and the drive stub and set screws.
- Apply Blue Loctite to set screw and stub threads.
- Screw the nut onto the drive stub and tighten to about 40 FT/LBS
- Turn the shaft 2-3 full rotations.
- Loosen nut slightly and torque to 40 FT/LBS
- Torque again to 40 FT/LBS.
- Torque set screws to 160 IN/LBS.

Replacing blades and blade bolts

Your mower will be more efficient if running with sharp blades. Blades may be turned around if one side is worn. Blades should be replaced in sets to maintain cutter shaft balance. Blade bolts, washers and bolt nuts should be examined and replaced if worn. Bear in mind that parts subject to intense pounding will in time develop fatigue cracks.

Install the blade assembly as shown in the shaft diagram. Note that if top lock nuts are used they should be threaded onto the bolt such that the nut runs out of bolt threads. It is the resulting thread jamming effect on the nut that holds it in place against shock and vibration. This type of nut must be driven to refusal with a 3/4" High power impact gun.

BOLT TORQUE CHART

SIZE	SAE GRADE 2		SAE GRADE 5		SAE GRADE 8		L9	
	ASSEMBLY TORQUE DRY	LUBRICATED	ASSEMBLY TORQUE DRY	LUBRICATED	ASSEMBLY TORQUE DRY	LUBRICATED	ASSEMBLY TORQUE DRY	LUBRICATED
1/4-20	66*	49*	8	75*	12	9	11	13
1/4-28	78*	58*	10	86*	14	10	10	13
5/16-18	11	8	17	13	20	18	21	23
5/16-24	12	9	19	14	25	20	23	26
3/8-16	20	15	30	23	45	30	33	38
3/8-24	23	17	35	25	50	35	38	43
7/16-14	30	24	50	35	70	55	60	68
7/16-20	35	25	55	40	80	60	65	75
1/2-13	50	35	75	55	110	80	95	105
1/2-20	55	40	90	65	120	90	105	120
9/16-12	65	50	110	80	150	110	140	155
9/16-18	75	55	120	90	170	130	150	170
5/8-11	90	70	150	110	220	170	185	210
5/8-18	100	80	180	130	240	180	205	230
3/4-10	160	120	260	200	380	280	300	330
3/4-16	180	140	300	220	420	320	355	390
7/8-9	190	140	400	300	600	460	505	550
7/8-14	210	155	440	320	660	500	585	630
1-8	220	160	580	440	900	680	775	840
1-14	240	170	640	480	1000	740	900	990
1 1/8-7	300	220	800	600	1280	960	1150	1260
1 1/8-12	340	260	880	660	1440	1080	1325	1440
1 1/4-7	420	320	1120	840	1820	1360	1600	1750
1 1/4-12	460	360	1240	920	2000	1500	1750	1900
1 3/8-6	560	420	1460	1100	2380	1780	—	—
1 3/8-12	640	460	1680	1260	2720	2040	—	—
1 1/2-6	740	560	1940	1460	3160	2360	3250	—
1 1/2-12	840	620	2200	1640	3560	2660	3650	—

ITEMS WITH * = INCH POUNDS
ALL OTHERS = FOOT POUNDS

"LUBRICATED"
INCLUDES LUBRICANTS, LUBRIZING, PLATING, AND HARDENED WASHERS

