



## 2A0R5H INSTALLATION ADDENDUM FOR VIKING ENGINE

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### Required Tools

Torque Wrench  
 13mm Socket or 1/2" Socket  
 9/16" Socket  
 9/16 Open Wrench

### Installation Torque for Mounting Bolts and Clamping Bolts

Bolt Part Number		Recommended Wrench Torque	Hex Bolt Socket Wrench Size	Nut Open End Wrench Size
Metric DIN 931 M8x1.25 cl8.8 (8mm bolts)	Mount Bolts	220-240 in-lbs 18-20 ft-lbs 24-27 N-m	13mm	N/A
AN5-15A (5/16" bolts)	Inner Clamp Bolts	220-240 in-lbs 18-20 ft-lbs 24-27 N-m	1/2"	N/A
AN6-21A (3/8" bolts)	Outer Clamp Bolts	340-360 in-lbs 28-30 ft-lbs 38-41 N-m	9/16"	9/16"



**Caution**

**Check bolt torque at least once a year or if vibration occurs.**  
**Hubs use Nord-Lock washers with 8mm and 5/16" hex head bolts. No other washers may be used in combination with Nord lock washers. Each lock washer works in pairs with the "ramped" sides facing each other. See Figure 3.**  
**Use standard AN flat washers with the AN6 clamp bolts and lock nuts.**

## PACKING LIST

### INSTALLATION WITH VIKING THREADED FLANGE BUSHINGS

ITEM	DESCRIPTION	QTY
1	Pitch Setting Gage	3
2	AN5-15A Inner Clamping Bolts	2
2a	AN6-21A Outer Clamp Bolts	4
3	NL8 sp Nord-Lock Washers (used for 8mm and 5/16 bolts)	8
3a	AN960-616 flat washers (for AN6 / 3/8" outer clamp bolts)	8
4	2A0 Series Hub Cover Half	1

ITEM	DESCRIPTION	QTY
5	Composite Propeller Blade	2
6	DIN 931 M8-35 cl8.8 Mounting Bolts (8mm mounting bolts)	6
7	2A0 Series Hub Mount Half	1
8	MS Nylock Nuts	4
9	1/4" thick Viking Spinner Rear Plate or 1/4" Sensenich Spacer Plate (not to scale)	n/a
10	Viking Engine Flange/Spacer with pressed in drive bushings (generic flange shown)	n/a

