

Installation Information

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Char-Lynn®
Motors

Speed Sensor

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- 1 Rotate the motor shaft until a (gear/target) tooth is centered in the speed sensor port. If this is not done, the sensor may be damaged during the operation of the motor.
- 2 Make sure the lock nut and its threads are clean and dry for the proper torque. Position the lock nut against the alignment nut as shown in Figure 1.
- 3 Move the washer and the o-ring up against the speed sensor body threads as shown in Figure 1.
- 4 By hand, lightly thread the speed sensor body into the housing until the sensor touches against the motor (gear/target) tooth. Do not force the sensor against the (gear/target) tooth, damage may occur. Make sure the o-ring or the washer do not touch the housing — see Figure 2.
- 5 Turn the speed sensor body out one quarter turn (CCW) plus the additional amount (CCW) needed to make the alignment notches perpendicular to the motor shaft centerline ($90^\circ \pm 5$ degrees from the motor shaft centerline — Figure 3 and 4).
- 6 Maintain the speed sensor body alignment (Figure 4), and tighten the lock nut to 8,5-14 Nm [75-125 lb-in.] (torque values are for clean dry threads).
- 7 Check the speed sensor body for correct alignment (Figure 4), reinstall the sensor if it is not correct.

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