

INSTALLING NEW PULLEY WITH ENCODER ASSEMBLY

REPLACE WITH NEW PULLEY, SHAFT AND GEAR BELT SPROCKET

TO REMOVE THE ENCODER/BELT ASSEMBLY FROM ALUMINUM HOUSING, UNSCREW SOCKET HEAD CAP SCREW (SHCS) USING A 5/32" HEX KEY WRENCH.

INSTALL NEW PULLEY, SHAFT AND END BEARING PLUG AT THE SAME TIME, LOOPING THE BELT OVER GEAR BELT DRIVE.

USE WASHER SHIMS (INCLUDED) TO ADJUST END-PLAY OF THE SQUARE SHAFT. ADD OR REMOVE WASHERS TO CREATE MINIMAL END PLAY AND THE SHAFT ROTATES FREELY.

INSTALL LOWER ALUMINUM EXTENSION HOUSING WITH PROVIDED ¼ -20 HEX HEAD CAP SCREWS. ENCODER CABLE IS ROUTED THROUGH THE MILLED SLOT IN THE BOTTOM OF THE HOUSING.

INSERT SWIVEL BOSS OF ENCODER ASSEMBLY INTO ALUMINUM HOUSING AND HOLD IN PLACE WITH 10-32 SHCS. BEFORE TIGHTENING COMPLETELY, SWIVEL THE ENCODER ASSEMBLY TO TENSION THE BELT WITH VERY LIGHT PRESSURE.

TIMING ENCODER WITH THE FLOAT TRAVEL

MARK ALUMINUM PULLEY WITH A TIMING OR WITNESS MARK.

FLOAT ON BOTTOM-ROTATE ALUMINUM PULLEY THIRTY TURNS COUNTER CLOCKWISE AND TWO TURNS CLOCKWISE

FLOAT ON TOP-ROTATE ALUMINUM PULLEY THIRTY TURNS CLOCKWISE AND TWO TURNS COUNTER CLOCKWISE

REMOVE WOODEN WEDGE BLOCKING THE TAPE IN #20C TOP HOUSINGS, COUNTERWEIGHT SIDE. THIS ALLOWS TAPE LOOP TO CONTACT ALUMINUM PULLEY. BE CAREFUL THAT PULLEY HAS MINIMAL MOVEMENT WHILE TAPE IS BEING PLACED.

REMOVE THE REMAINING WEDGE AT THE #20H ELBOW AND REINSTALL HOUSING COVERS.

INSTALLATION IS COMPLETE.