

REV	EQ	DATE	APPROVED

2.3 INSTALLATION
 SLIDE THE HS20 WITH THE TETHER ON TO THE MOTOR SHAFT UNTIL THE TETHER (NYLON WASHER) MATES WITH THE MOUNTING SURFACE. SLIDE THE METAL WASHER OVER THE TETHER BOLT AND INSTALL THE BOLT THRU THE TETHER INTO A THREADED HOLE IN THE MOUNTING SURFACE. TIGHTEN THE BOLT, TAKING CARE NOT TO TWIST THE TETHER. REFER TO THE TABLE BELOW FOR TORQUE VALUES.

BOLT SIZE	RECOMMENDED TORQUE
1/4"	50 to 60 IN-LBS
5/16"	70 to 80 IN-LBS
3/8"	100 to 125 IN-LBS

USE A 7/64" HEX KEY WRENCH TO TIGHTEN THE HUB CLAMP SCREW TO SECURE THE HS20 TO THE MOTOR SHAFT.
 RECOMMENDED TORQUE: 16 IN-LBS.
 THE TETHER SHOULD BE RESTING IN ITS NATURAL POSITION - NOT BENT, STRETCHED OR TWISTED.

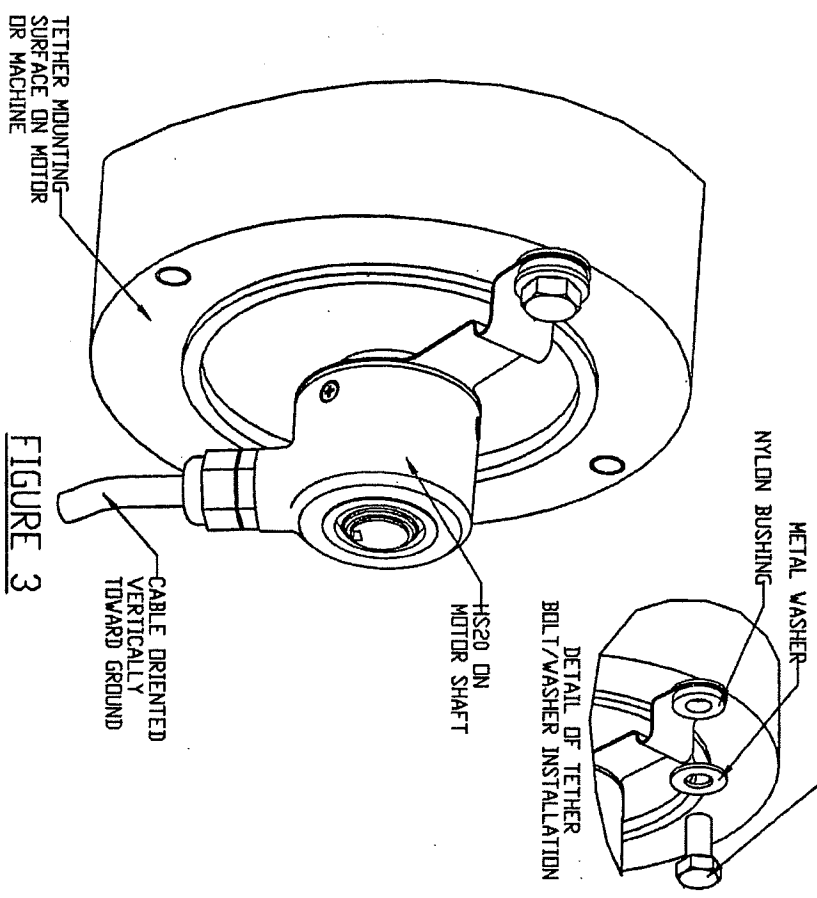


FIGURE 3

2.4 COVER INSTALLATION (OPTIONAL)
 THE TETHER MUST BE ORIENTED ON THE ENCODER AS SHOWN IN FIGURE 2 FOR PROPER CABLE EXIT THROUGH THE COVER. PLACE THE COVER OVER THE ENCODER ON TO THE MOTOR DR MACHINE MOUNTING SURFACE AS SHOWN IN FIGURE 4. SECURE THE COVER WITH BOLTS AND LOCKWASHERS.

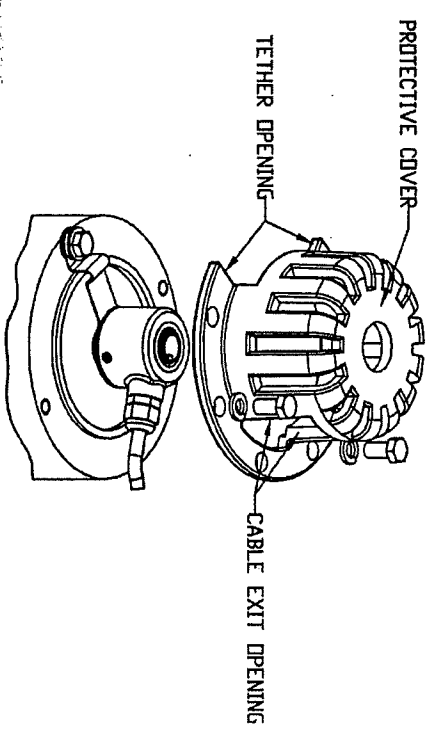


FIGURE 4

2.5 ELECTRICAL CONNECTIONS
 REFER TO THE TABLE BELOW FOR CABLE AND CONNECTOR TERMINATION ASSIGNMENTS. A SHIELDED CABLE IS RECOMMENDED. TERMINATE THE SHIELD AT THE INPUT DEVICE ONLY GROUNDING OR SIGNAL GROUND AS RECOMMENDED BY THE INPUT DEVICE MANUFACTURER.

ENCODER FUNCTION	CABLE	6 PIN SINGLE ENDED	7 PIN DIFFERENTIAL	7 PIN SINGLE ENDED	10 PIN
SIGNAL A	BRN	E	A	A	A
SIGNAL B	DRN	D	B	B	B
SIGNAL Z	YEL	C	-	C	C
+Vin	RED	B	D	D	D
N/C	-	F	-	E	E
COMMON	BLK	A	F	F	F
CASE	GRN	-	G	G	G
SIGNAL /A	BRN/WHT	-	C	-	H
SIGNAL /B	DRN/WHT	-	E	-	I
SIGNAL /Z	YEL/WHT	-	-	-	J
SHIELD	BARE	-	-	-	-

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.

DATE: 200716-0001	SCALE: FULL DIMS	COMPANION REQUIRED
DESIGNER: A. FURNAN	DATE: 01-12-2001	PROJ. NO: 200716-0001
CHECKER: A. FURNAN	DATE: 01-12-2001	APPLICATION: HS20
RELEASED: A. FURNAN	DATE: 01-12-2001	REV: 200716-0001 20F2/A

©2001 DTC, "C"-SIZE

Danaher Controls