

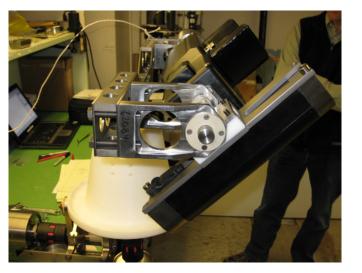
MOTOR S/N	ROTATION	MOVEMENT	MOTOR SENSOR	ATTITUDE SENSOR	USER LIMITS (A/D COUNTS = DEG)	'ZERO' POSITION	
6111	CW	PITCH DOWN	INCREASING	PITCH DECREASING	CW LIMIT 498 = 185 DEG	130 DEG	
UTT	CCW	PITCH UP	DECREASING	PITCH INCREASING	CCW LIMIT 195 = 70 DEG	SONAR LEVEL	
ROLL 6109	CW	ROLL RIGHT	INCREASING	ROLL INCREASING	CW LIMIT 916 = 335 DEG	180 DEG SONAR LEVEL	
0109	CCW	ROLL LEFT	DECREASING	ROLL DECREASING	CCW LIMIT 86 = 25 DEG		
	CW	TURN RIGHT	INCREASING	HEADING INCREASING	твр	180 DEG - SONAR STRAIGHT FORWARD	
6110	CCW	TURN LEFT	DECREASING	HEADING DECREASING	твр		
-	6111 - 6109 - 6110 -	6111 CCW 6109 CCW 6110 CW	6111 CCW PITCH UP CW ROLL RIGHT 6109 CCW ROLL LEFT CW TURN RIGHT	6111 CCW PITCH UP DECREASING 6109 CW ROLL RIGHT INCREASING CCW ROLL LEFT DECREASING CW TURN RIGHT INCREASING	6111 CCW PITCH UP DECREASING PITCH INCREASING 6109 CW ROLL RIGHT INCREASING ROLL INCREASING 6109 CCW ROLL LEFT DECREASING ROLL DECREASING 6110 CW TURN RIGHT INCREASING HEADING INCREASING	6111 CW PITCH DOWN INCREASING PITCH DECREASING CW LIMIT 498 = 185 DEG 6111 CCW PITCH UP DECREASING PITCH INCREASING CCW LIMIT 195 = 70 DEG 6109 CW ROLL RIGHT INCREASING ROLL INCREASING CW LIMIT 195 = 70 DEG 6109 CW ROLL LEFT DECREASING ROLL DECREASING CW LIMIT 916 = 335 DEG CCW ROLL LEFT DECREASING ROLL DECREASING CCW LIMIT 86 = 25 DEG CW TURN RIGHT INCREASING HEADING INCREASING TBD	

PITCH MOTOR

1) POSITION MOTOR TO 180 DEGREE POSITION

2) INSTALL MECHANICAL STOP PLATE ON MOTOR SO THAT TAB IS 45 DEGREES DOWN, SPECIAL TAB FOR PITCH MOTOR WHERE TAB IS OFFSET FROM BOLT PATTERN BY 45 DEGREES

3) INSTALL EM7200 WITH FACE DOWN AT 45 DEGREES, FACE SHOULD POINT IN SAME DIRECTION AS STOP PLATE TAB



YAW MOTOR 1) POSITION MOTOR TO 90 DEGREE POSITION

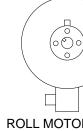
DEGREES FROM FORWARD POSITION PER DWG

YAW MOTOR

2) INSTALL TRANSDUCER MOUNTING BRACKET 45

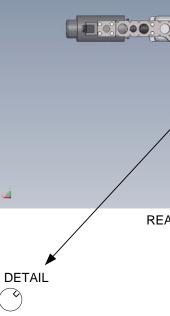
ROLL MOTOR 1) POSITION MOTOR TO 180 DEGREE POSITION

2) INSTALL MECHANICAL STOP PLATE ON MOTOR SO



3) INSTALL MOTOR ONTO ASSEMBLY WITH GEARS ENGAGED FOR ZERO ROLL.

SHAFT IS AT 45 DEGREES AS SHOWN IN DETAIL



MOTOR COUPLING SHAFT

В

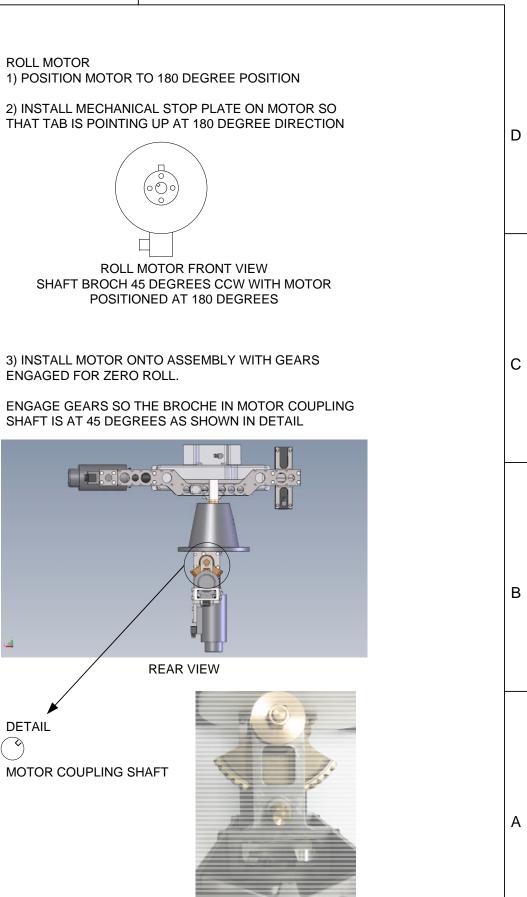
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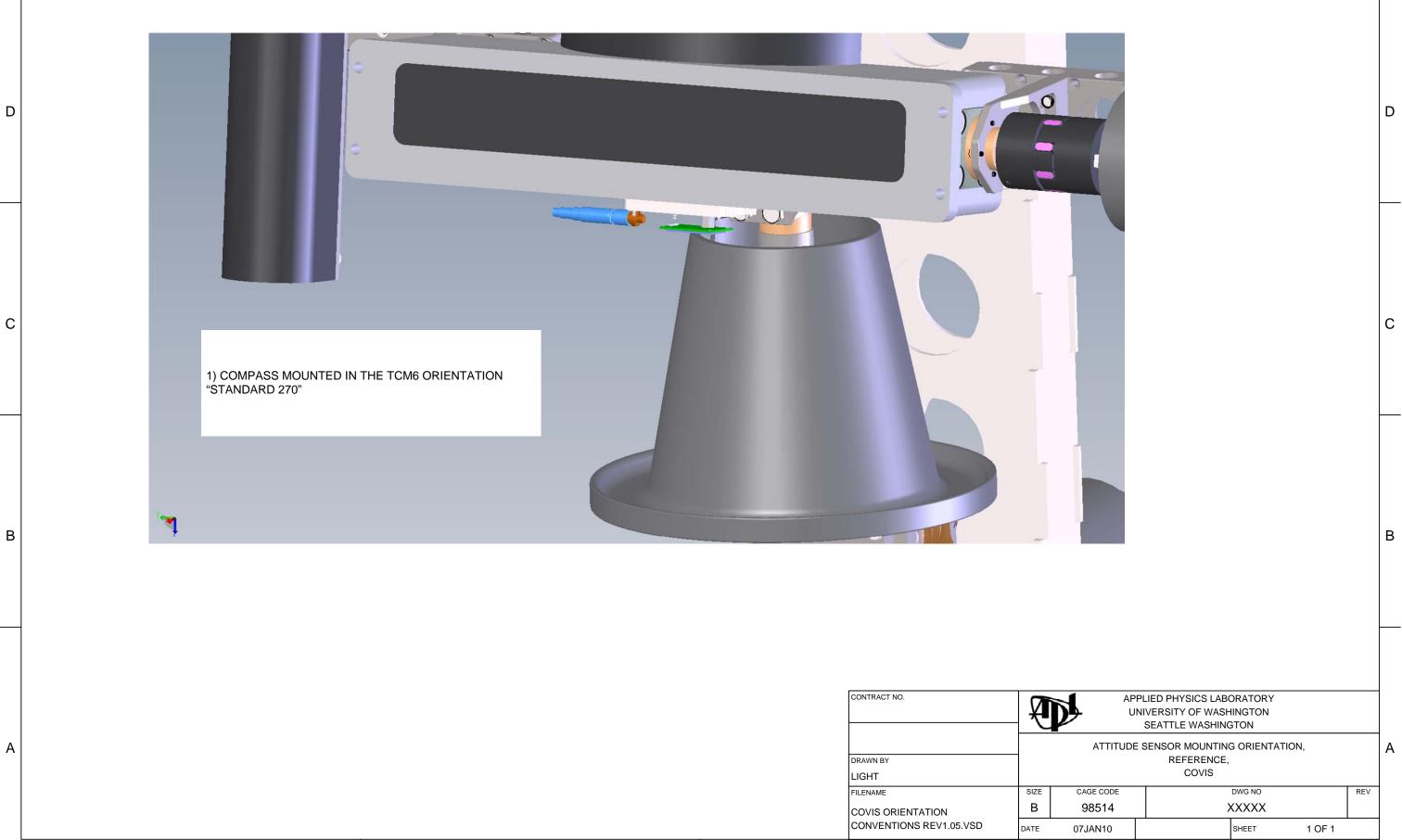
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SONAR FORWARD POSITION TOP VIEW

YAW MOTOR CONNECTOR





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AWN BY			
GHT			
ENAME	SIZE	=	
OVIS ORIENTATION	В		
ONVENTIONS REV1.05.VSD	DATE		