

**A. PROPORTIONAL CONTROL VALVE OPERATION**

1. WARNING DO NOT CONNECT VALVE COIL DIRECTLY TO BATTERY/POWER SUPPLY VOLTAGE.
2. OPERATION TO BE PERFORMED WITH ONLY TWIN DISC CONTROL SYSTEMS OR MODULES.

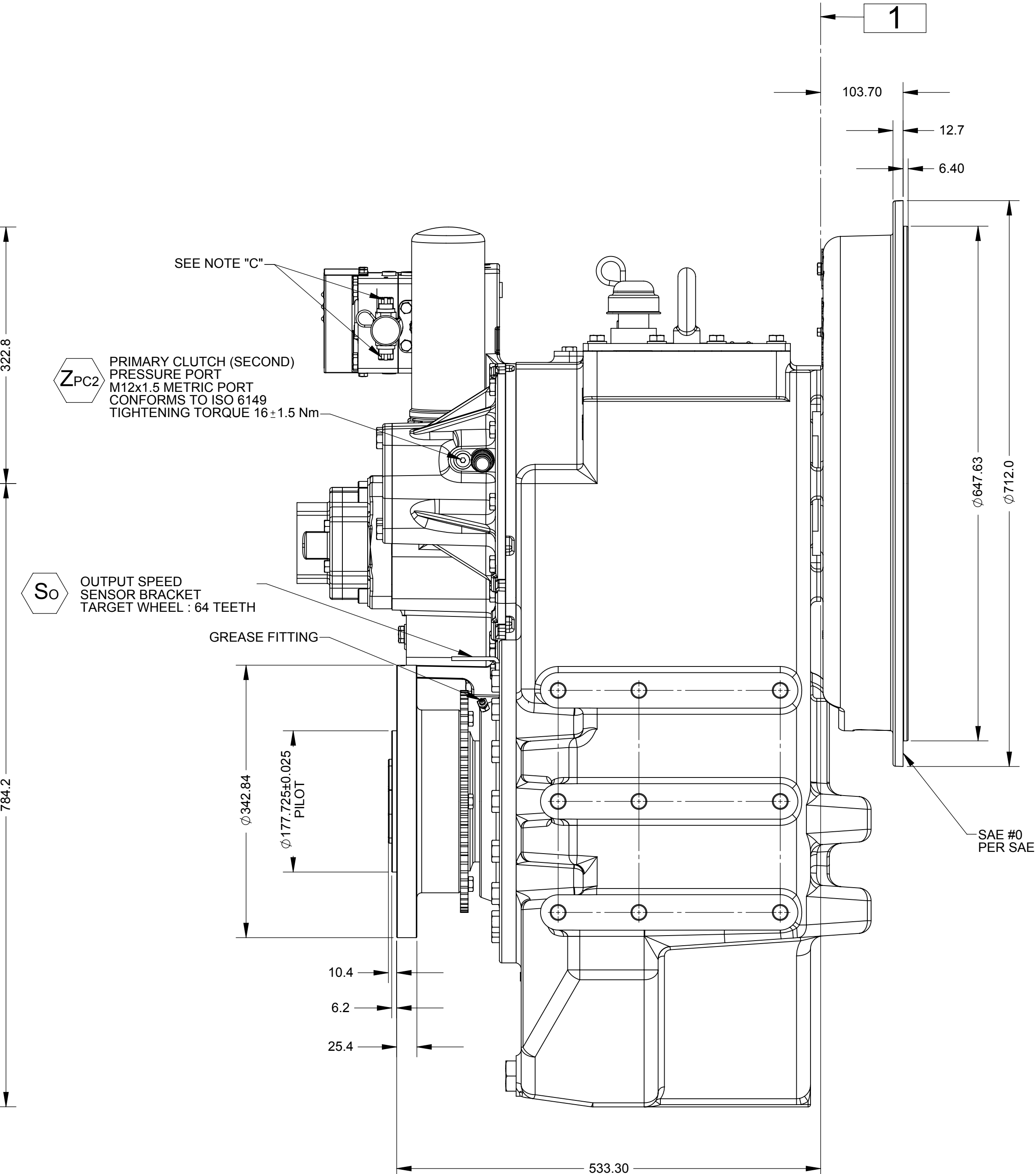
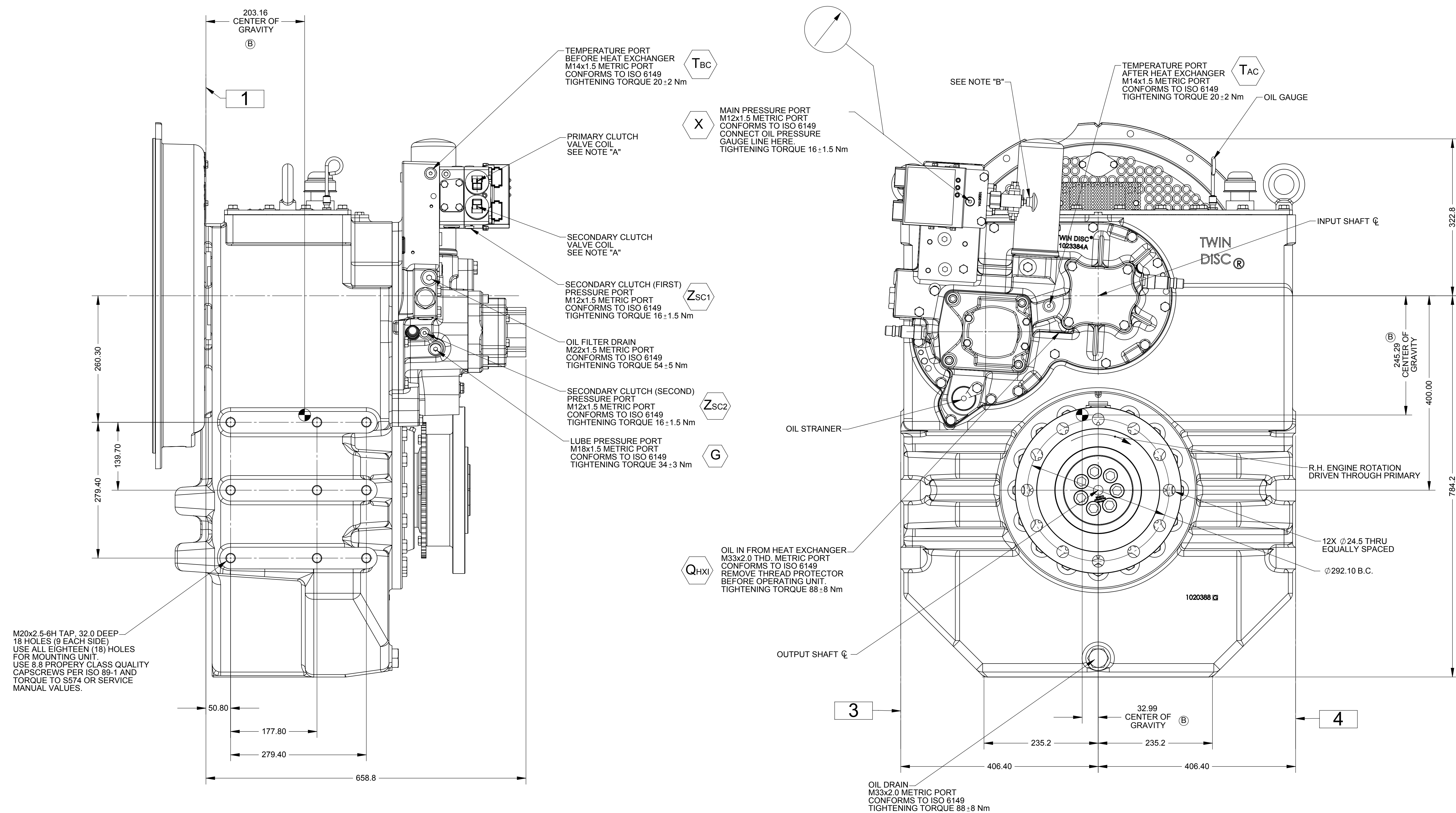
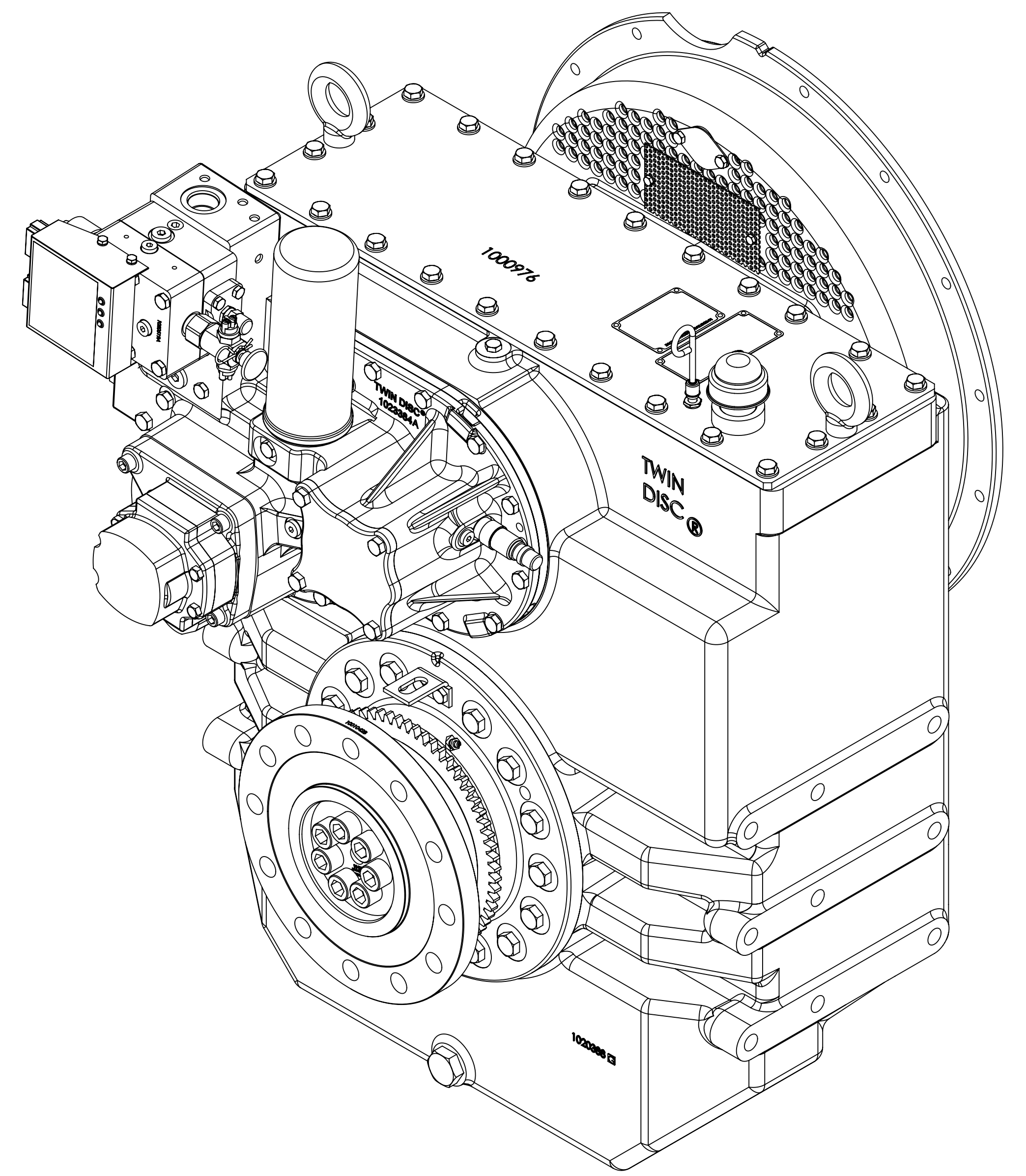
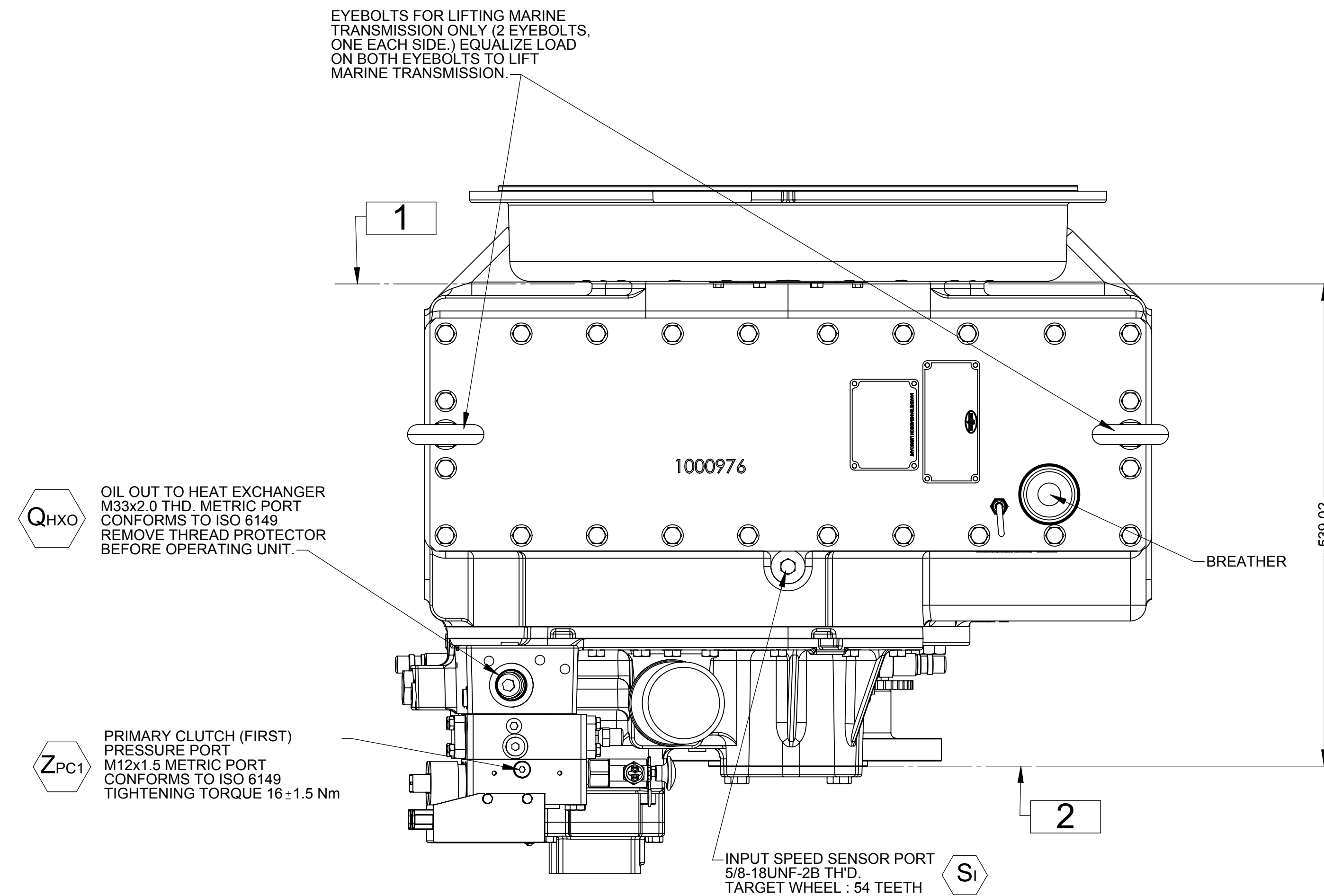
**B. MANUAL DIRECTIONAL CONTROL VALVE OPERATION**

1. WITH MANUAL DIRECTIONAL CONTROL VALVE IN CENTERED POSITION, PUSH TO ENGAGE PRIMARY CLUTCH.
2. WITH MANUAL DIRECTIONAL CONTROL VALVE IN CENTERED POSITION, PULL TO ENGAGE SECONDARY CLUTCH.

**C. MANUAL DIRECTIONAL CONTROL VALVE MODE SWITCH**

1. SWITCH IS NORMALLY CLOSED WHEN MANUAL DIRECTIONAL CONTROL VALVE IS IN THE CENTERED POSITION AND OPEN WHEN CENTER IS SELECTED FROM CENTERED POSITION.
2. CURRENT = 20 AMP MAX.
3. FOR WIRING SCHEMATIC, REFER TO CONTROL MODULE DRAWING.

- 1 INPUT GROUP REFERENCE PLANE
- 2 PTO ADAPTER MOUNTING FACE
- 3 LEFT MOUNTING BRACKET FACE
- 4 RIGHT MOUNTING BRACKET FACE



EQUIPMENT SHOWN:  
- SAE #0 HOUSING  
- GP VALVE WITH EC050 MODULE

FIRST USE ASSEMBLY: FIRST USE MODEL: SIMILAR TO:		 THIRD ANGLE PROJECTION		MATERIAL:  REAT TREAT		DATE: 09/09/2009 FILE:		B ECN/VF-22257 05/10/2011 REV _____ DATE _____	
		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN MILLIMETERS FRACTIONS TO 1/16"		DESCRIPTION:  INSTALLATION MGX-5222DC & MGX-5225DC		DRAWN BY: MLI CHECKED BY: JLC APPROVED BY: ALC		 RACINE, WI 53403 - USA 	
NOTES: THIS DRAWING IS THE PROPERTY OF TWIN DISC. NO PARTS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM TWIN DISC, INCORPORATED.		ALL ANGULAR TOLERANCES ±1° GEOMETRIC TOLERANCES PER ASME Y14.5		DWG NO: A0 SHEET: 1 OF 1		REV _____		B	