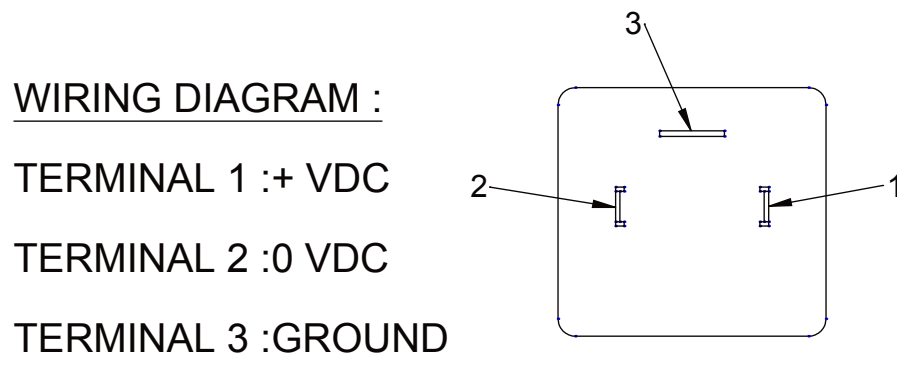
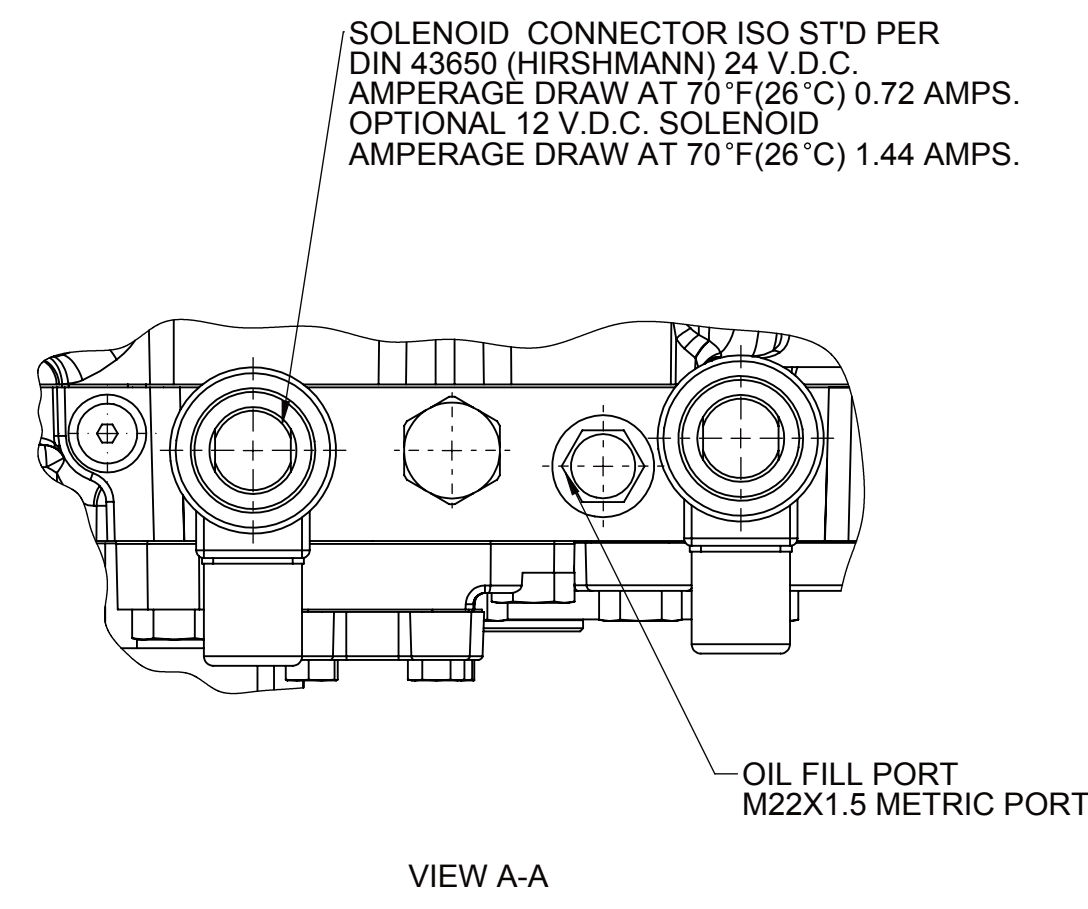


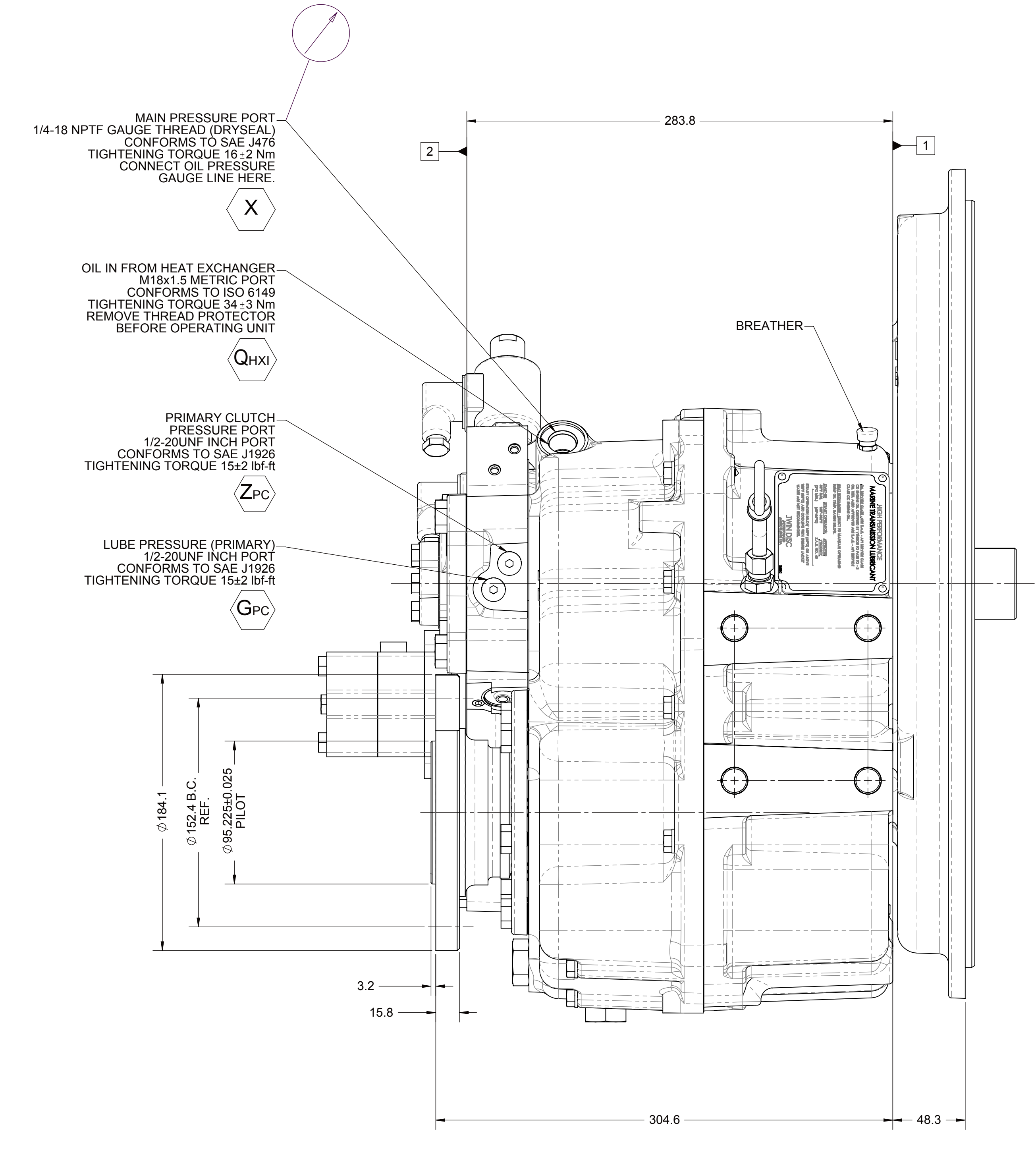
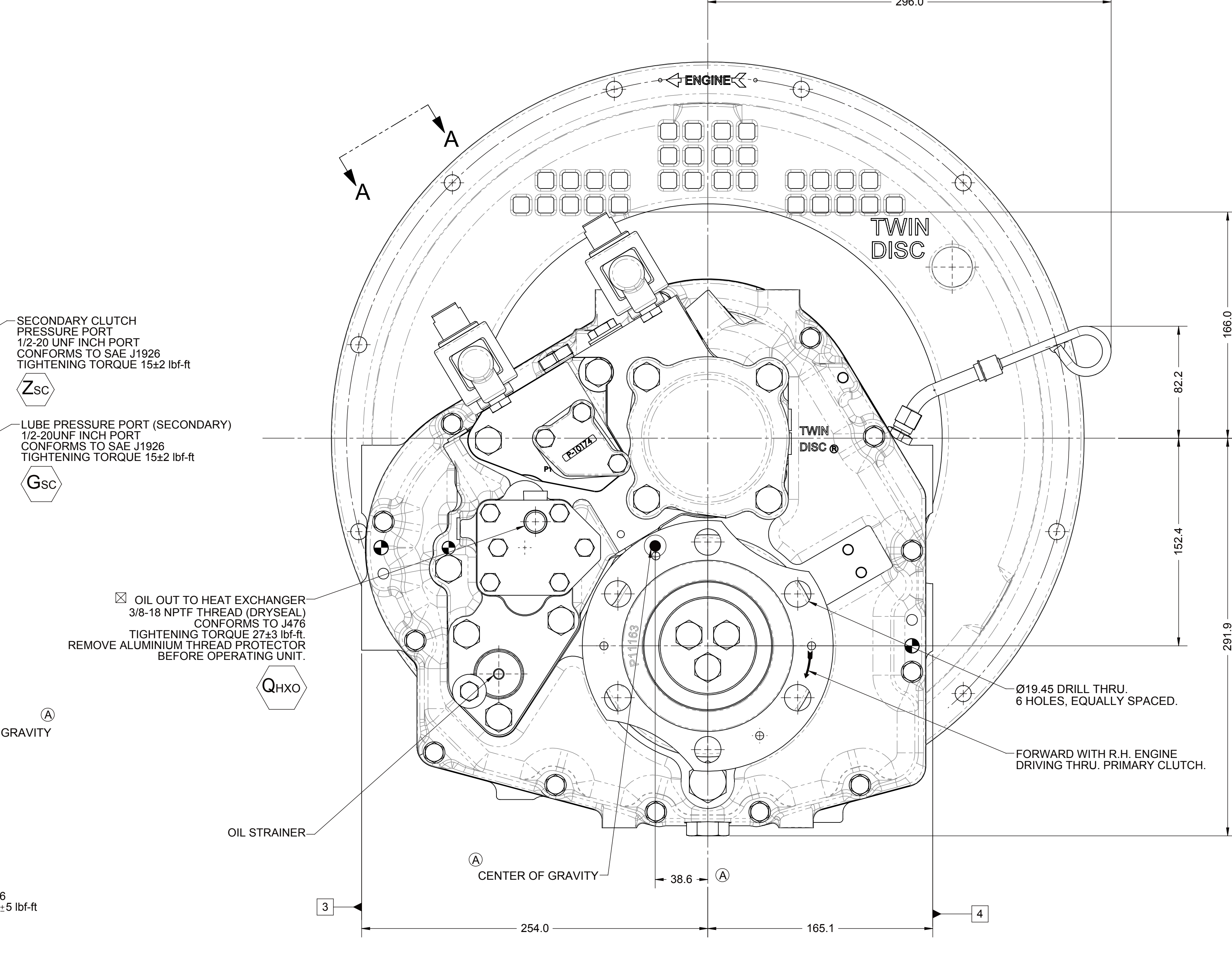
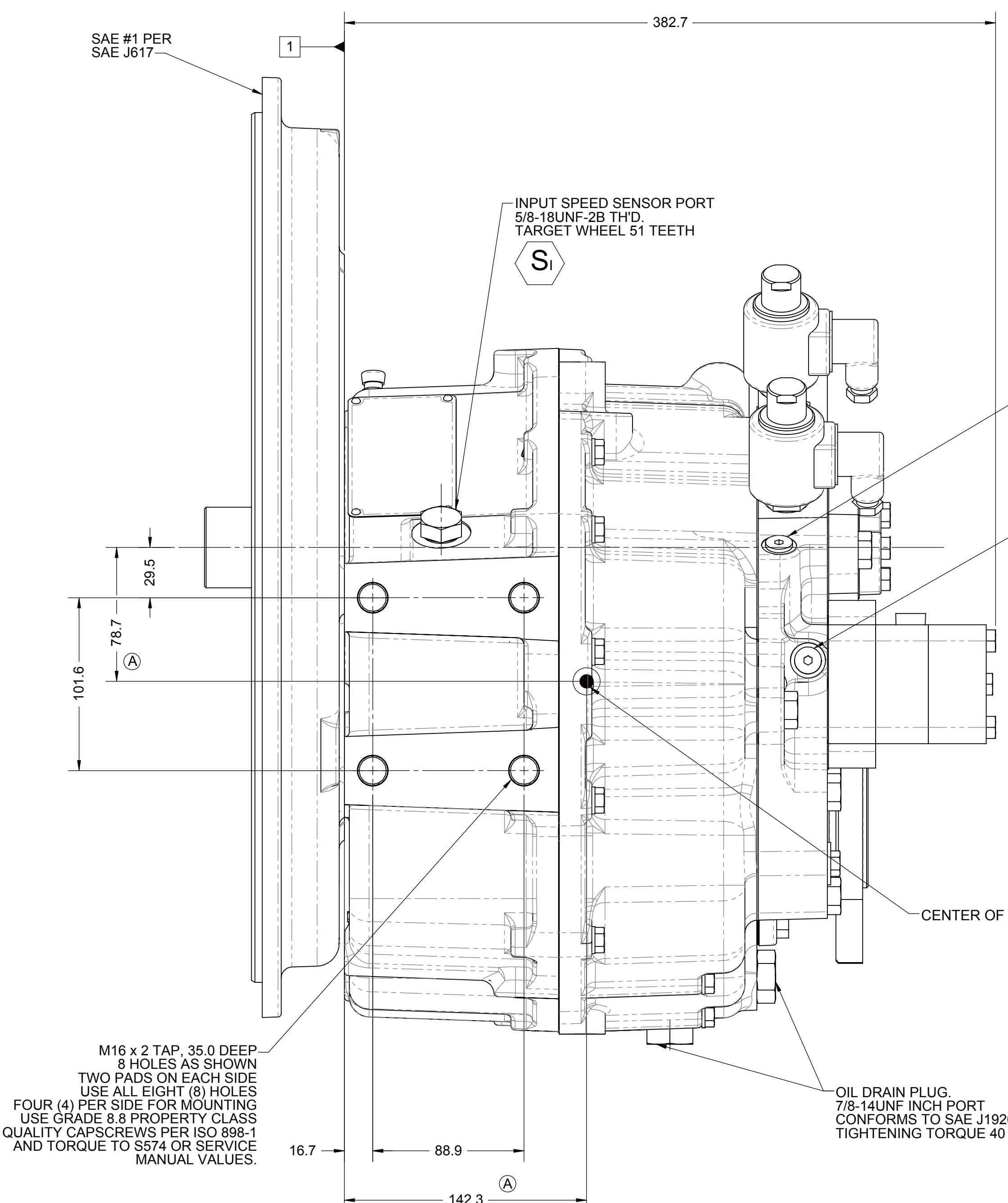
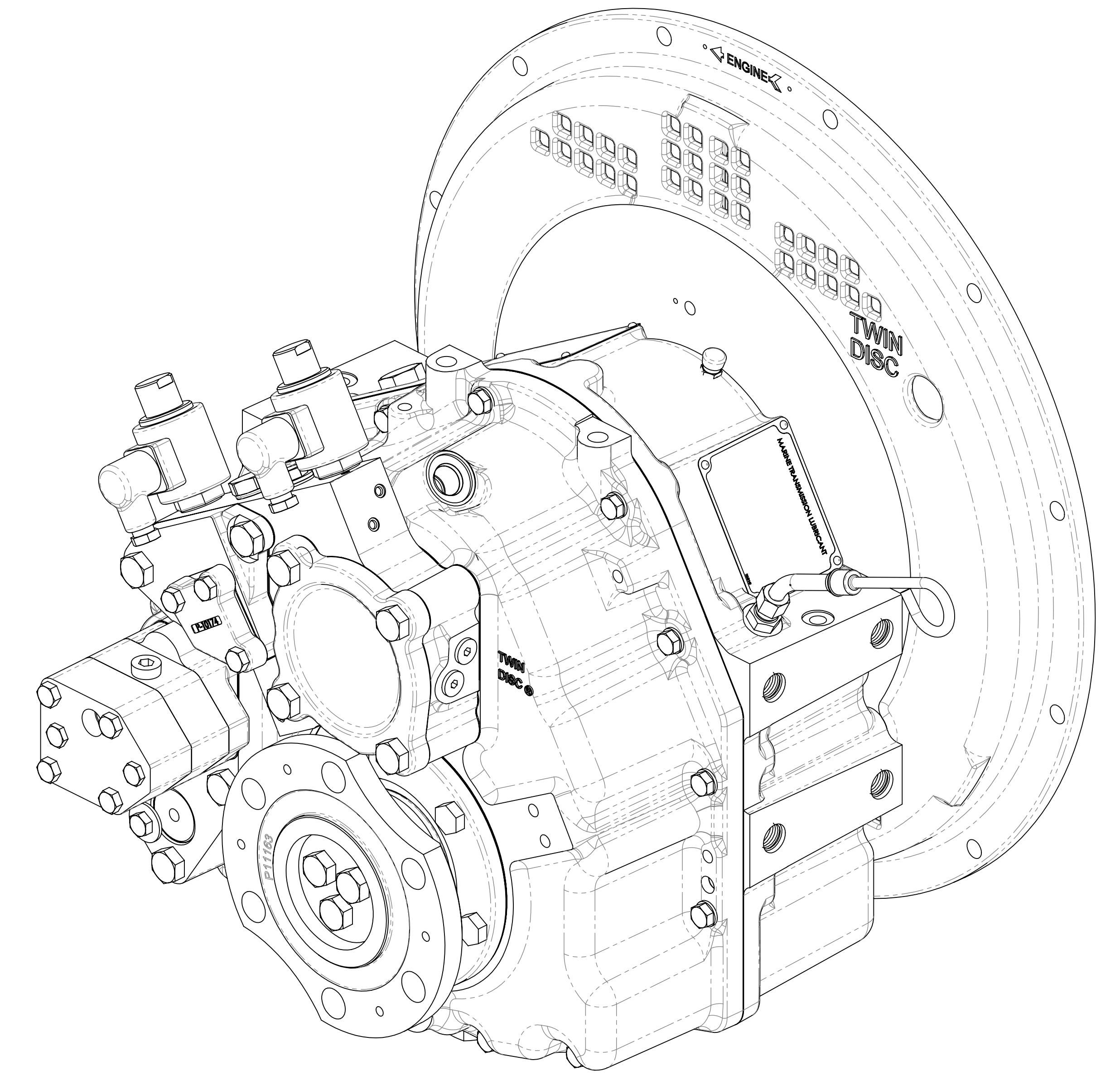
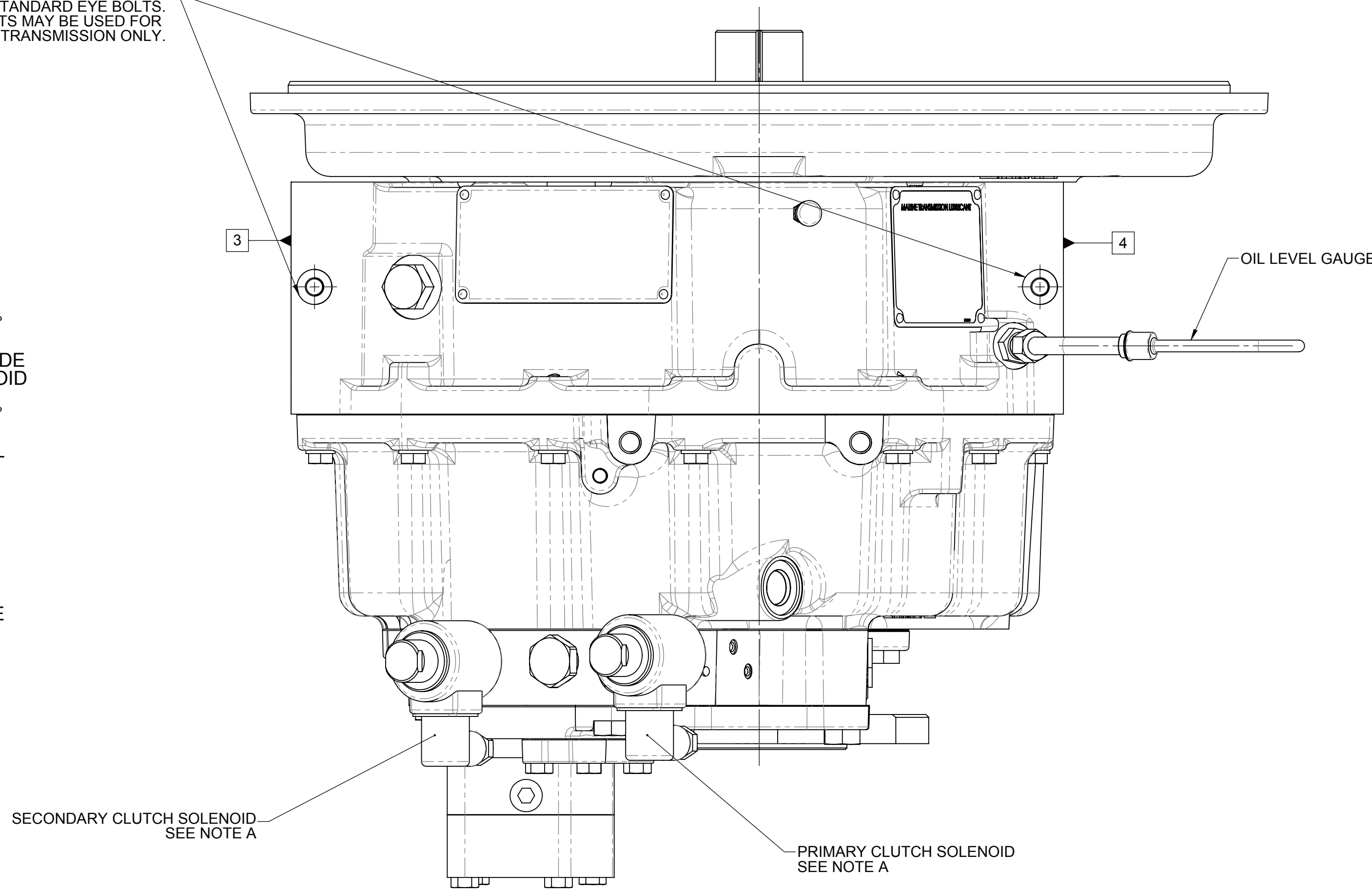
- 1 INPUT GROUP REFERENCE PLANE
- 2 PTO ADAPTER MOUNTING FACE
- 3 LEFT MOUNTING BRACKET FACE
- 4 RIGHT MOUNTING BRACKET FACE



- NOTES:
- A. MANUAL OVERRIDE VALVE OPERATION
1. THE MANUAL OVERRIDE FEATURE FOR THE PRIMARY AND SECONDARY SOLENOIDS MUST NEVER BE ENGAGED SIMULTANEOUSLY.
 2. THE MANUAL OVERRIDE BUTTON FOR BOTH THE PRIMARY AND SECONDARY SOLENOIDS MUST BE IN THE NEUTRAL POSITION TO OPERATE EITHER SOLENOID ELECTRICALLY.
 3. TO ENGAGE PRIMARY CLUTCH USING THE MANUAL OVERRIDE
 - a. REMOVE PROTECTIVE CAP FROM THE PRIMARY SOLENOID
 - b. PUSH BUTTON DOWN
 - c. CONTINUE TO PUSH BUTTON AND ROTATE CLOCKWISE 180°
 - d. RELEASE BUTTON
 4. TO ENGAGE SECONDARY CLUTCH USING THE MANUAL OVERRIDE
 - a. REMOVE PROTECTIVE CAP FROM THE SECONDARY SOLENOID
 - b. PUSH BUTTON DOWN
 - c. CONTINUE TO PUSH BUTTON AND ROTATE CLOCKWISE 180°
 - d. RELEASE BUTTON
 5. TO RETURN EITHER OF THE PRIMARY OR SECONDARY MANUAL OVERRIDE TO THE NEUTRAL POSITION:
 - a. PUSH BUTTON DOWN
 - b. CONTINUE TO PUSH BUTTON AND ROTATE COUNTER-CLOCKWISE 180°
 - c. RELEASE BUTTON
 - d. INSTALL PROTECTIVE CAP OVER THE MANUAL OVERRIDE BUTTON
- B. REFERENCE S930 FOR TWIN DISC REQUIREMENTS FOR PRESSURE AND TEMPERATURE ALARM LEVELS.

- OPTIONAL TEMPERATURE INDICATING SWITCH: CUSTOMER TO INSTALL A PIPE TEE IN THE HYDRAULIC LINE LEADING FROM THE MARINE TRANSMISSION PUMP TO THE HEAT EXCHANGER INLET. REFER TO HYDRAULIC DIAGRAM.

M10 x 1.5 TAP, 21.0 DEEP, 2 HOLES FOR STANDARD EYE BOLTS. THESE BOLTS MAY BE USED FOR LIFTING MARINE TRANSMISSION ONLY.



M16 x 2 TAP, 35.0 DEEP, 8 HOLES AS SHOWN. TWO PADS ON EACH SIDE. USE ALL EIGHT (8) HOLES. FOUR (4) PER SIDE FOR MOUNTING. USE GRADE 8.8 PROPERTY CLASS QUALITY CAPSCREWS PER ISO 888-1 AND TORQUE TO S574 OR SERVICE MANUAL VALUES.

SECONDARY CLUTCH PRESSURE PORT 1/2-20 UNF INCH PORT CONFORMS TO SAE J1926 TIGHTENING TORQUE 15±2 lbf-ft

LUBE PRESSURE PORT (SECONDARY) 1/2-20 UNF INCH PORT CONFORMS TO SAE J1926 TIGHTENING TORQUE 15±2 lbf-ft

OIL OUT TO HEAT EXCHANGER 3/8-18 NPTF THREAD (DRYSEAL) CONFORMS TO SAE J476 TIGHTENING TORQUE 27±5 lbf-ft. REMOVE ALUMINUM THREAD PROTECTOR BEFORE OPERATING UNIT.

MAIN PRESSURE PORT 14-18 NPTF GAUGE THREAD (DRYSEAL) CONFORMS TO SAE J476 TIGHTENING TORQUE 16-2 Nm. CONNECT OIL PRESSURE GAUGE LINE HERE.

OIL IN FROM HEAT EXCHANGER M18x1.5 METRIC PORT CONFORMS TO ISO 6149 TIGHTENING TORQUE 34-3 Nm. REMOVE THREAD PROTECTOR BEFORE OPERATING UNIT.

PRIMARY CLUTCH PRESSURE PORT 1/2-20 UNF INCH PORT CONFORMS TO SAE J1926 TIGHTENING TORQUE 15±2 lbf-ft

LUBE PRESSURE (PRIMARY) 1/2-20 UNF INCH PORT CONFORMS TO SAE J1926 TIGHTENING TORQUE 15±2 lbf-ft

EQUIPMENT SHOWN:
 - MG-5065SC PER PX11480 SERIES
 - ELECTRIC CONTROL VALVE LESS MECHANICAL TROLLING VALVE
 - SAE #1 HOUSING ADAPTER

FIRST USE ASSEMBLY PX11480A	REV#	106.77	THIRD ANGLE PROJECTION	DATE	02/21/2012
FIRST USE MODEL MG-5065SC	CHANGE NO.			SCALE	1:2
SIMILAR TO 1026372				DRAWN BY	PM
METRIC <small>UN/US CUSTOMER SPECIFIED DESIGNS DENOTED BY X</small> <small>ALL ANGLES UNLESS OTHERWISE SPECIFIED</small> <small>GEOMETRIC TOLERANCING PER ASME Y14.5M 2009</small>			DESCRIPTION: INSTALLATION MG-5065SC		
<small>NOTICE: THIS PRINT CONTAINS PROPRIETARY INFORMATION AND IS THE PROPERTY OF TWIN DISC, INCORPORATED. IT IS TO BE USED ONLY IN CONNECTION WITH THE PRODUCT IDENTIFIED HEREIN. ALL RIGHTS ARE RESERVED. THIS DOCUMENT IS THE PROPERTY OF TWIN DISC, INCORPORATED.</small>			CHECKED BY: JMF APPROVED BY: ALC SHEET: A0 1 OF 1		

A ECNWF-50323 09/30/2014
 REV# CHANGE NO. DATE



1026372A