[1] INPUT GROUP REFERENCE PLANE

[2] PTO GROUP MOUNTING FACE

[3] LEFT MOUNTING BRACKET FACE

[4] RIGHT MOUNTING BRACKET FACE

[5] PUMP MOUNTING FACE

NOTES:

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 SYSTEM MODULES

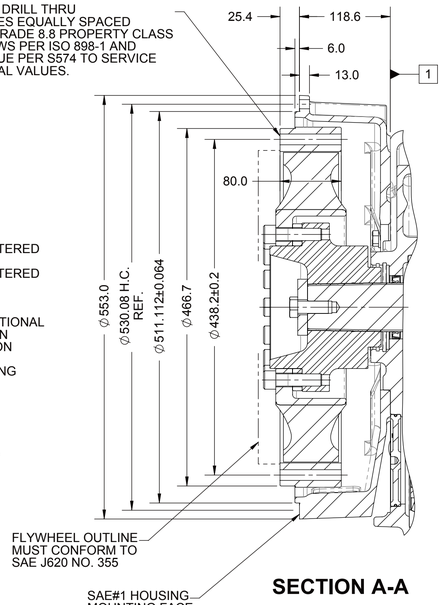
B. MANUAL DIRECTIONAL CONTROL VALVE OPERATION
1. WITH MANUAL DIRECTIONAL CONTROL VALVE IN CENTERED POSITION PUSH TO ENGAGE PRIMARY CLUTCH
2. WITH MANUAL DIRECTIONAL CONTROL VALVE IN CENTERED POSITION PULL TO ENGAGE SECONDARY CLUTCH

C. MANUAL DIRECTIONAL CONTROL VALVE MODE SWITCH
1. SWITCH IS NORMALLY CLOSED WHEN MANUAL DIRECTIONAL CONTROL VALVE IS IN CENTERED POSITION AND OPEN WHEN LEVER IS ACTUATED FROM CENTERED POSITION
2. CURRENT = 20 AMP MAX.
3. FOR WIRING SCHEMATIC REFER TO CONTROL DRAWING

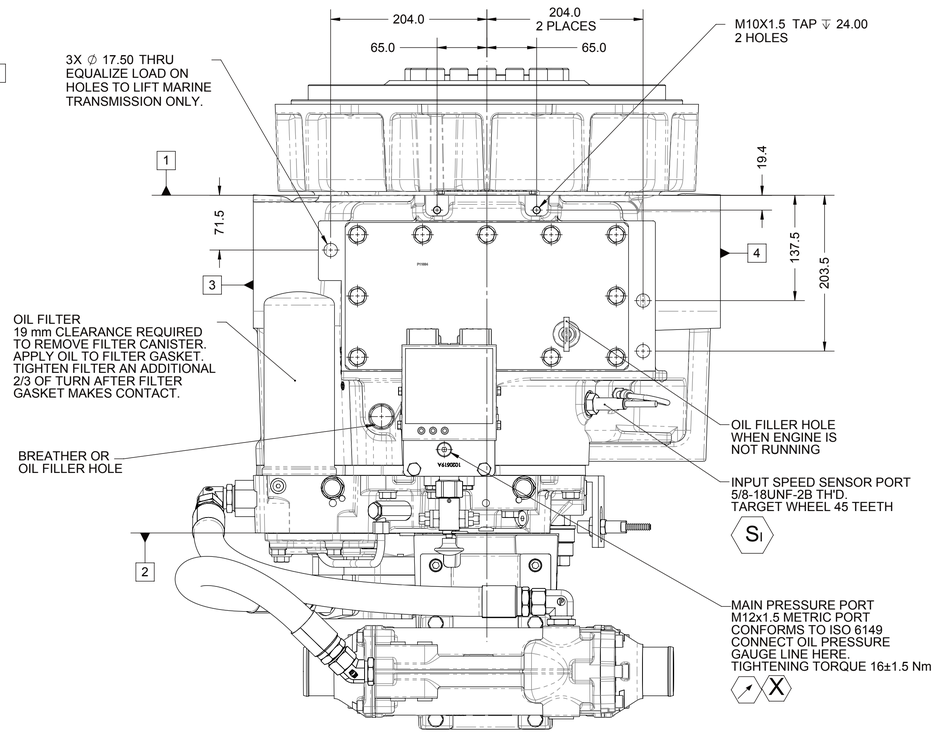
D. UNLESS OTHERWISE SPECIFIED FASTENER TORQUE VALUES AS PER S574 STANDARD

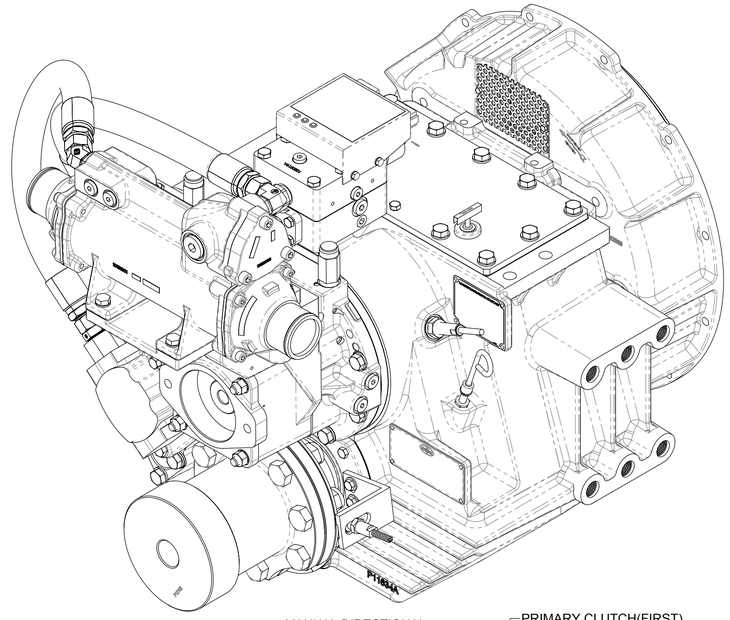
E. ALL POINTS AVAILABLE FOR TESTING ARE CODED

F. REFERENCE S930 FOR TWIN DISC REQUIREMENTS FOR PRESSURE AND TEMPERATURE ALARM LEVELS.



SECTION A-A



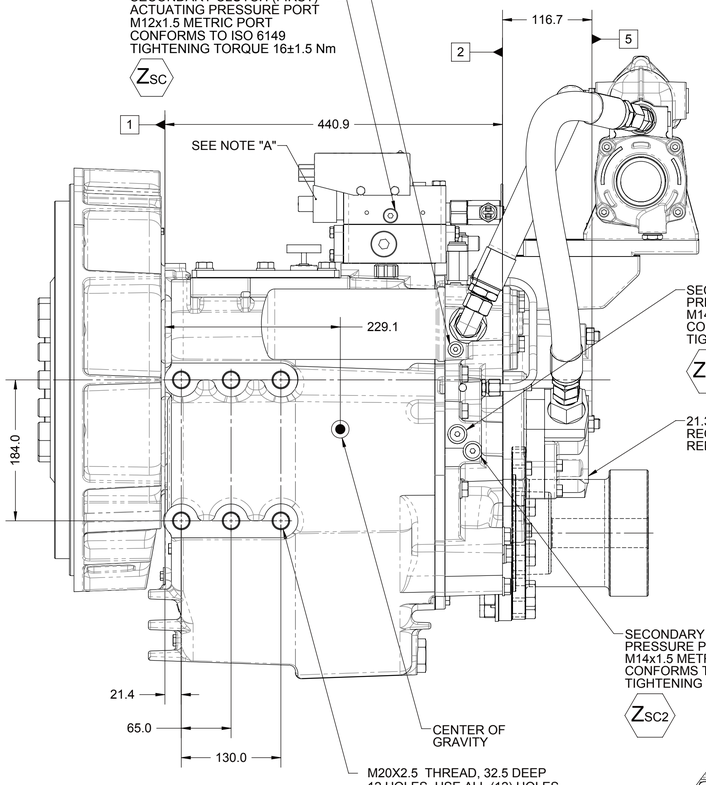


MANUAL DIRECTIONAL CONTROL VALVE
5 mm TRAVEL FROM CENTERED POSITION (EACH DIRECTION)
SEE NOTE 'B'

PRIMARY CLUTCH(FIRST) ACTUATING PRESSURE PORT M12x1.5 METRIC PORT CONFORMS TO ISO 6149 TIGHTENING TORQUE 16±1.5 Nm
ZPC

FILTER DRAIN
M10x1.0 METRIC PORT
CONFORMS TO ISO 6149
TIGHTENING TORQUE 12±1 Nm

SECONDARY CLUTCH (FIRST) ACTUATING PRESSURE PORT M12x1.5 METRIC PORT CONFORMS TO ISO 6149 TIGHTENING TORQUE 16±1.5 Nm
ZSC

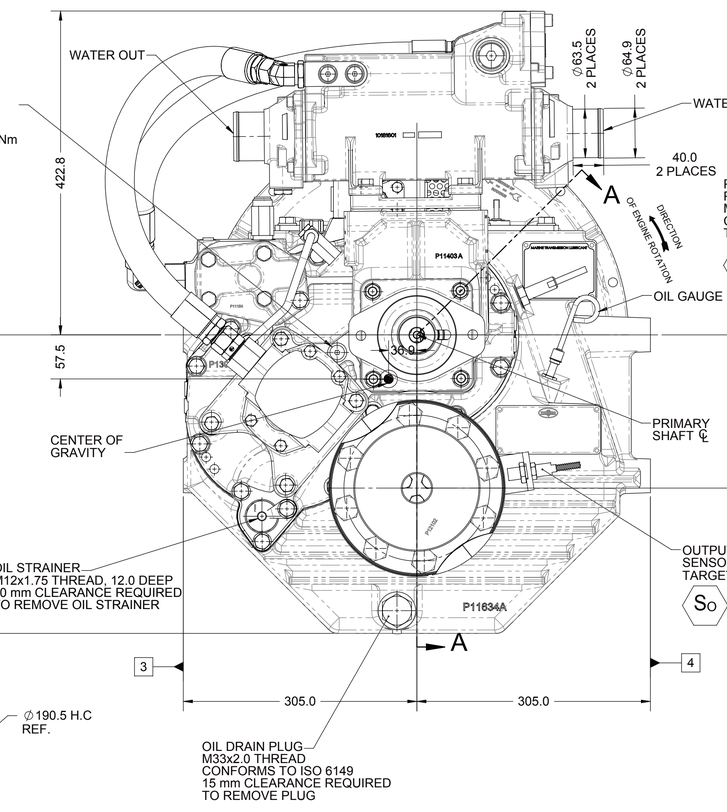


LUBE PRESSURE PORT M14x1.5 METRIC PORT CONFORMS TO ISO 6149 TIGHTENING TORQUE 20±2 Nm
G

SECONDARY CLUTCH(FIRST) PRESSURE PORT M14x1.5 METRIC PORT CONFORMS TO ISO 6149 TIGHTENING TORQUE 20±2 Nm
ZSC1

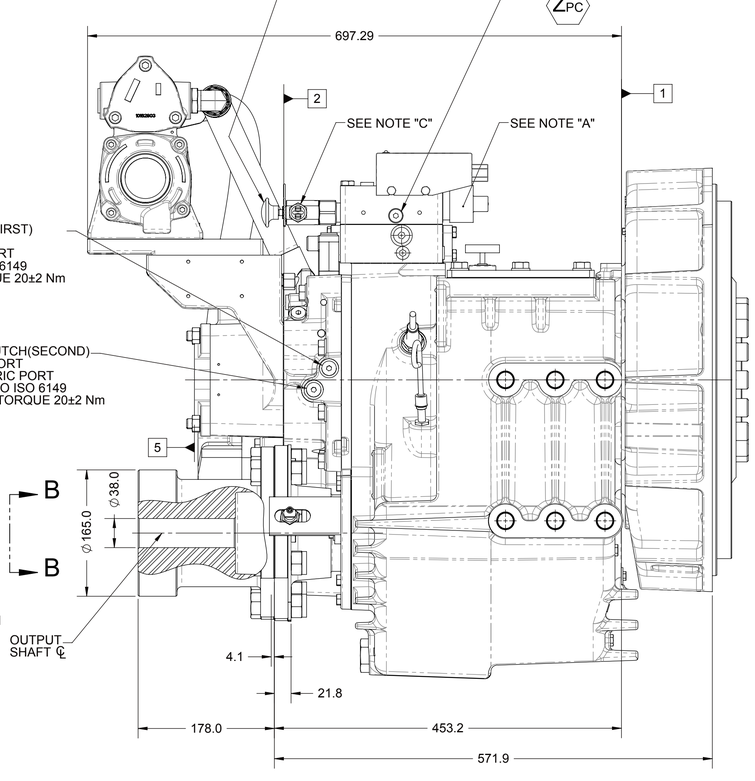
21.3 mm CLEARANCE REQUIRED TO REMOVE PUMP

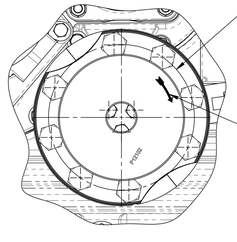
SECONDARY CLUTCH(SECOND) PRESSURE PORT M14x1.5 METRIC PORT CONFORMS TO ISO 6149 TIGHTENING TORQUE 20±2 Nm
ZSC2



PRIMARY CLUTCH(FIRST) PRESSURE PORT M14x1.5 METRIC PORT CONFORMS TO ISO 6149 TIGHTENING TORQUE 20±2 Nm
ZPC1

PRIMARY CLUTCH(SECOND) PRESSURE PORT M14x1.5 METRIC PORT CONFORMS TO ISO 6149 TIGHTENING TORQUE 20±2 Nm
ZPC2





VIEW B-B

EQUIPMENT SHOWN:
- MGX-5136SC PER T027445 ASSEMBLY
- SAE #1/SAE 355 VULKAN VL-3011S
- GP VALVE WITH EC050 CONTROL MODULE
- MOUNTED PM13008A HEAT EXCHANGER
- LIVE SAE 127-4 PTO HOUSING ADAPTER FOR MTD. HE
- 101-2, 22-4 LIVE PTO ADAPTER
- COMPANION FLANGE PX11654

FIRST USE ASSEMBLY:	WEIGHT: 352.8 kg	MATERIAL:	DATE: 12/17/2015
FIRST USE MODEL:	WR²: kg-m²	THIRD ANGLE PROJECTION	SCALE: 1:4
SIMILAR TO:	METRIC	HEAT TREAT:	DRAWN BY: PM
NOTICE! THIS PRINT CONTAINS PROPRIETARY INFORMATION AND IS NOT TO BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF TWIN DISC, INCORPORATED. THIS NOTICE IS NOT INTENDED TO NULLIFY OR LIMIT RIGHTS GRANTED TO THE U.S. GOVERNMENT OR OTHERS BY CONTRACT.	UNLESS OTHERWISE SPECIFIED MACHINED DIMENSIONS X ±0.75, X.X ±0.25, X.XX ±0.13, ALL ANGULAR TOLERANCES ±1° GEOMETRIC TOLERANCING PER ASME Y14.5M 1994	DESCRIPTION: INSTALLATION MGX-5136SC	CHECKED BY: DV
			APPROVED BY: DV

REV	CHANGE NO.	DATE
-	NDWF-3000029	12/17/2015

TWIN DISC — RACINE, WI 53403 - USA

1027608D

DWG SIZE: A1 | SHEET: 1 OF 1 | REV: -

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