



REVISIONS		OWN	APP'D
ZONE REV	DESCRIPTION	DATE	
01	QSC 8.3-HX W/ ZF280A	12-25-95	

ENGINE SERVICE TEST PORTS/INSTALLATION CONNECTIONS			
1	AUXILIARY HEATER RETURN:	3/4 NPT	
2	AUXILIARY HEATER SUPPLY:	3/4 NPT w/ ORIFICE	
3	BATTERY CONNECTION (STARTER) (+):	M12 X 1.75	
4	BATTERY CONNECTION (STARTER) (-):	M12 X 1.75	
5	BATTERY CONNECTION (ECM) (+):	1/4-20 UN	
6	BATTERY CONNECTION (ECM) (-):	1/4-20 UN	
7	COOLANT FILL:	Ø30 [1.18]	
8	COOLANT RECOVERY/OVERFLOW CONNECTION:	Ø8.39 [.33]	
9	ENGINE OIL DRAIN FRONT:	M18 X 1.5	
10	ENGINE OIL DRAIN REAR:	9/16-18 UN	
11	ENGINE OIL FILL:	Ø38 [1.5]	
12	EXHAUST OUTLET CONNECTION (ELBOW):	Ø152.4 [6.00] O.D.	
13	EXHAUST OUTLET CONNECTION (TURBO):	Ø66 [2.60] I.D.	
14	EXHAUST TEMPERATURE/BACK PRESSURE:	1/8 NPT	
15	FRONT ENGINE SUPPORT:	2X Ø27 [1.06] X 63 [2.48] SLOT	
16	FUEL RETURN TO TANK CONNECTION:	3/4-16 UN, 45° FLARE (SAE #8)	
17	FUEL INLET CONNECTION	7/8-14 UN, 45° FLARE (SAE #10)	
18	GEAR OIL COOLER DRAIN:	3/8 NPT	
19	GEAR OIL COOLER INLET AND OUTLET:	1/2 NPT	
20	OIL HEATER CONNECTION:	M22 X 1.5	
21	SEA WATER INLET:	Ø63.5 [2.50]	
22	SEA WATER OUTLET:	Ø50.8 [2.00]	
23	SHAFT LOG SEA WATER SUPPLY:	1/4 NPT	
24	ZINC ANODE:	4X 1/2 NPT, 2X 3/8 NPT	

DO NOT SCALE THIS DRAWING

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LAST SECTION LETTER USED: A	REF. DRAWING STANDARDS: ANSI Y14.5M ISO 81101	ITEM NAME QSC 8.3-HX W/ ZF280A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN: MILLIMETERS () ARE IN: INCHES	IDENTIFIER INSTALLATION DIAGRAM	ITEM NUMBER 3170695
DWN: UNCHECKED APPD: UNCHECKED	SIZE CODE (IDENT. NO.): J	SCALE: 2:1
	ITEM CONTROL: MCS	SHEET 1 OF 1

