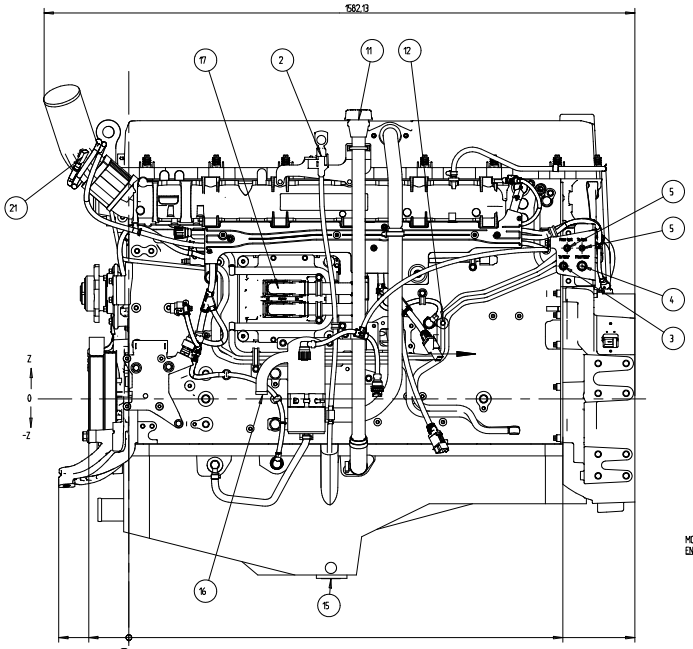

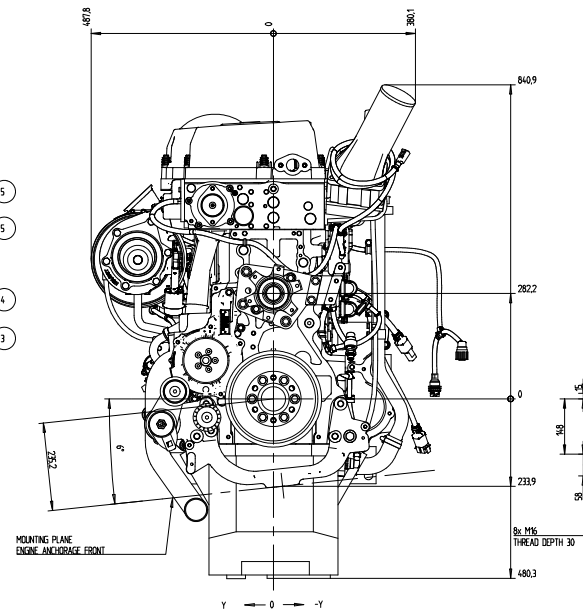

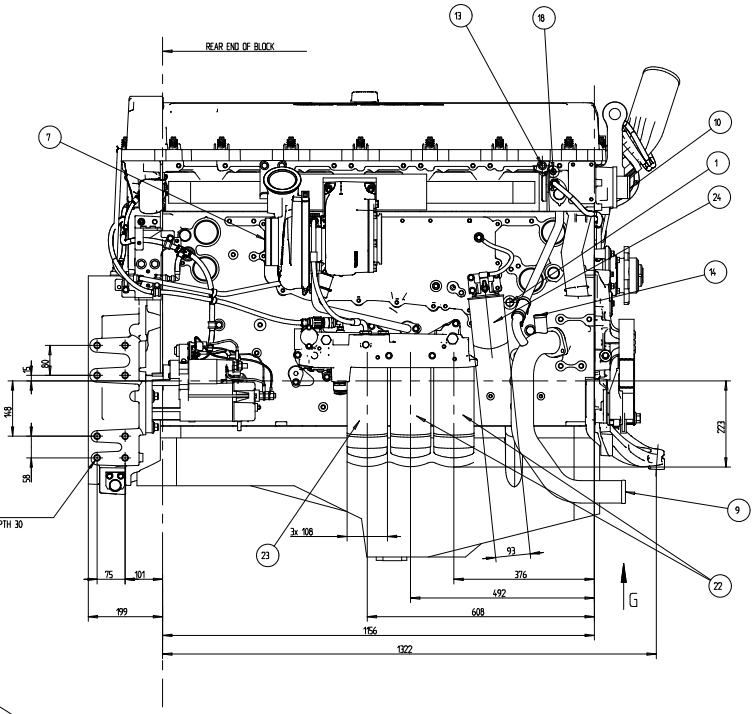

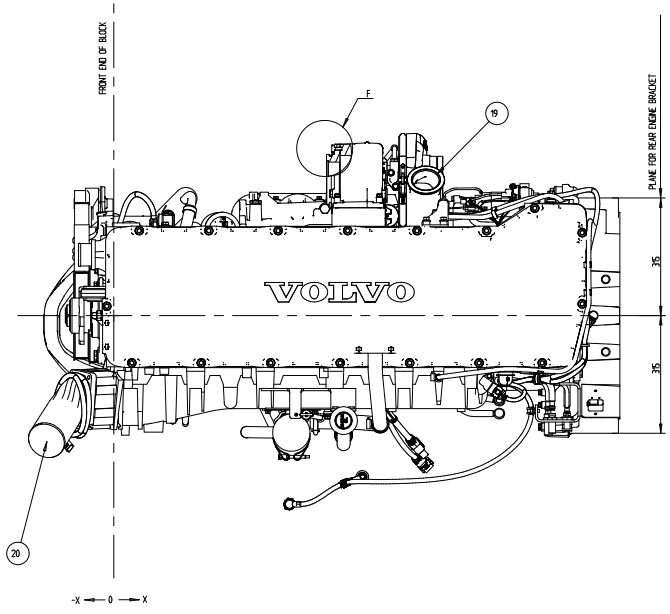

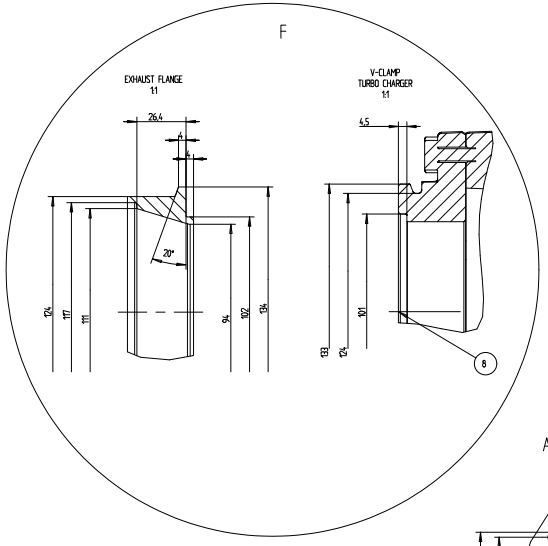

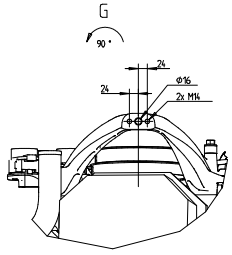

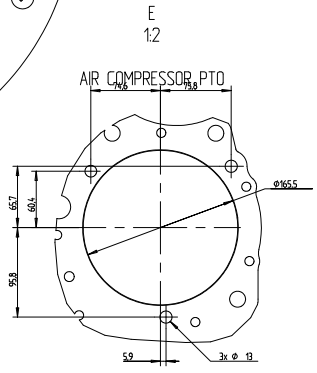

POS	DESCRIPTION	X	Y	Z	NOTE
1	WATER DRAIN PLUG	226	147	210	M22X1.5
2	OIL DIP STICK	515	-265	666	
3	FUEL TO FILTER	1163	-320	356	
4	FUEL FROM FILTER	1214	-309	356	
5	FUEL FROM TANK	1178	-309	400	M18X1.5 (CONE ACC. TO DIN STD. 38631)
6	FUEL TO TANK	1214	-304	404	M16X1.5 (CONE ACC. TO DIN STD. 38631)
7	AIR INTAKE	881	363	372	Ø106
8	EXHAUST OUTLET	570	365	380	V-CLAMP Ø122
9	WATER INLET	-83	207	-297	Ø60
10	WATER OUTLET	-95	163	518	Ø60
11	OIL FILLER CAP	615	-281	763	
12	OIL PRESSURE SENDER	841	-119	203	M16X1.5
13	WATER TEMP SENDER	94	211	500	
14	FROM EXPANSION TANK	145	266	176	Ø28
15	OIL DRAIN PLUG	541	100	-481	M24X1.5
16	CRANK CASE VENTILATION	355	-312	12	Ø30
17	CONTROL UNIT				
18	AIR VENT HOSE Ø9.5 TO BE CONNECTED WITH EXP TANK	110	216	560	M12X1.5
19	CHARGE AIR OUTLET (TURBO)	835	363	539	V-CLAMP Ø102
20	CHARGE AIR INLET	-180	-335	815	Ø90
21	COOLANT LEVEL SENSOR				FOR VOLVO PENTA EXPANSION TANK
22	OIL BY-PASS FILTER				
23	OIL MAIN FILTER				
24	COOLANT FILTER				
TP	CENTER OF GRAVITY				

SCALE: 15

FOR FLYWHEEL DIMENSIONS SEE DWG 3591911

D-07167-2A	SEE DCN	P/A D 2 2+ IMAR	RELEASED
			2008-04-16

SYMBOL STANDARDIZE AND GENERAL DIMENSIONING METHODS STD 181-0005 ISO STD 5457/5459

ENGINE DIMENSION
TAD 1650 VE

VOLVO PENTA

3591940 | 02 | 1(1)