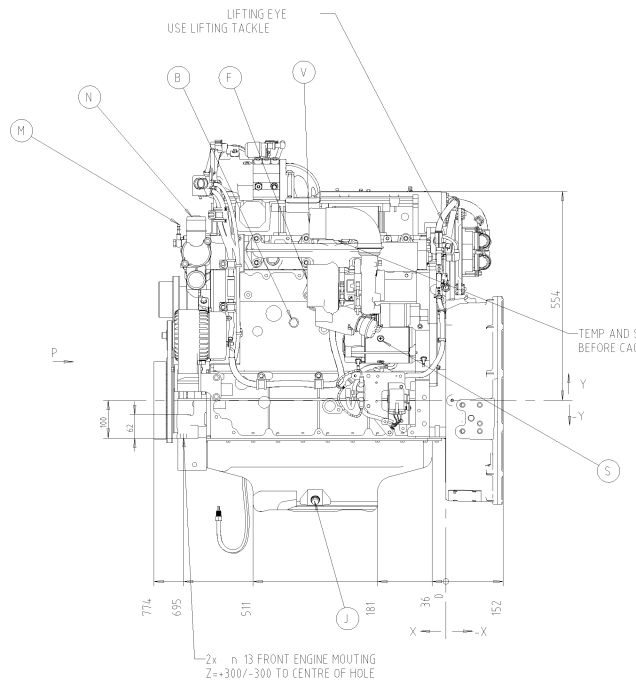
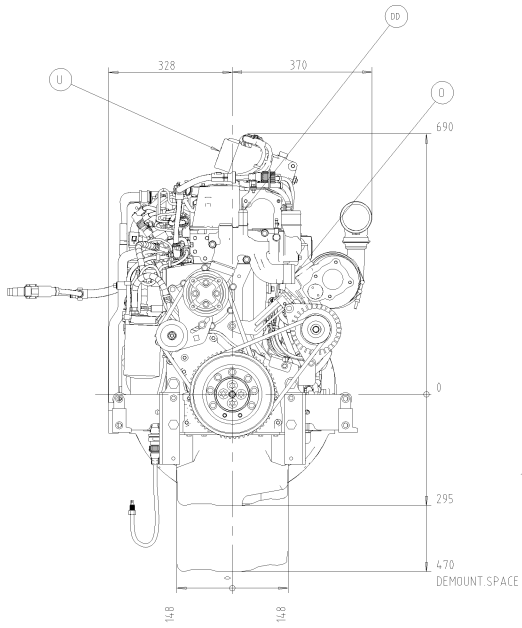
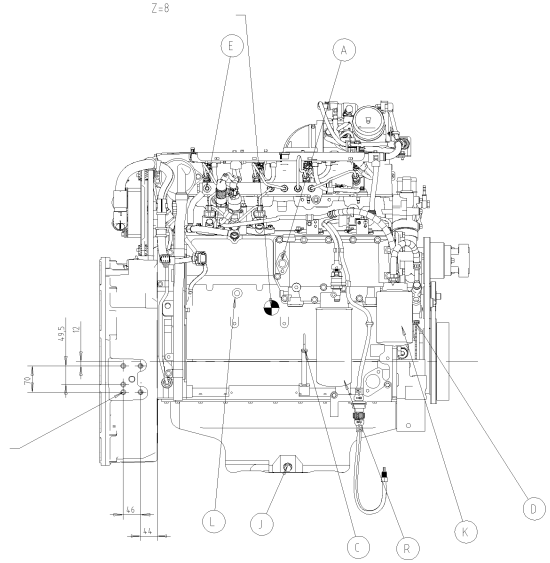
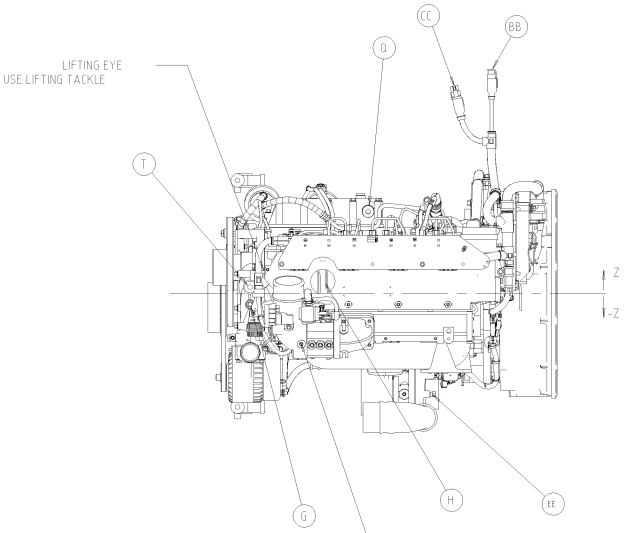
Engineering Release Notice (ERN)	Locales	Change description	P/A	Modified	Document release status
		Acidified Acidic Acidulated	0 1 3	Modified NO	RELEASED
					Date / Modification count

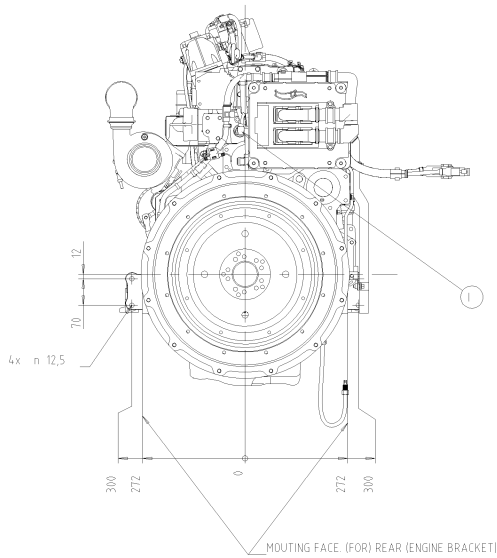




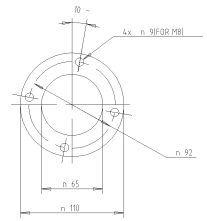
CENTRE OF GRAVITY
X=310
Y=14.6
Z=8







P
EXHAUST FLANGE
(12)



THICKNESS 12 mm

SCALE: 1:5

POS	DESCRIPTION	X	Y	Z	NOTE
A	ENGINE HEATER	332	259	252	OPTION
B	COOLANT DRAIN	403	206	-90	M14x1.5
C	OIL DIPSTICK	390	28	187	D.S. Y=313 Z=325
D	FUEL INLET	687	104	175	FOR HOSE INTERNAL n 12
E	FUEL RETURN AND VENT SCREW	133	458	284	FOR HOSE INTERNAL n 10
F	EXHAUST OUTLET TURBO	368	305	-266	INNER n 56
G	AIR VENTING FOR COOLANT FILLING	643	426	-24	THERMOSTAT HOUSING
H	OIL FILLER CAP	470	536	32	
I	COOLANT TEMP. SWITCH/SENDER	9	380	-14	N14x1.5
J	OIL DRAIN PLUG	346	266	136	M18x1.5
J	OIL DRAIN PLUG	346	-281	134	M18x1.5
K	FUEL FILTER	629	41	241	DEMOUT SPACE Y=45
L	OIL PRESSURE	212	180	55	M14x1.5 EXTERNAL
M	AIR VENTING	708	466	-117	
N	COOLANT, OUTLET	661	486	-156	n 50
O	COOLANT, INLET	661	318	-166	n 50
P	CHARGE AIR COOLER DRAIN	1050	52	402	M8x1
Q	TO ENGINE HEATER	349	335	218	EXTERNAL M26x1.5
R	OIL FILTER	469	-71	226	n 97. DEMOUNT SPACE Y=-91
S	STARTER MOTOR	275	147	-149	
T	FROM ENGINE HEATER	646	445	14	M26x1.5 EXTERNAL
U	AIR INTAKE FROM CHARGE AIR COOLER	559	640	34	n 80. FOR HOSE INTERNAL
V	AIR OUTLET TO CHARGE AIR COOLER	362	469	-328	n 80. FOR HOSE INTERNAL
BB	VODIA, 6-POLE CONNECTOR				
CC	CAN, 8-POLE CONNECTOR				
DD	FROM EXPANSION TANK	661	488	-28	n 22
EE	AIR INTAKE TURBO COMPRESSOR	186	364	-266	n 90

SYMBOLS, DESIGNATIONS AND GENERAL DRAWING METHODS STD 181-0005

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Document type

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VOLVO PENTA

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