

10 9 8 7 6 5 4 3 2 1

ITEM NUMBER
4953807

REVISIONS
ZONE REV DESCRIPTION DWN APP'D
01 QSB 5.9 W/ ZF220A

OPTIONS LIST
AC9176
BR9188
EE9174
EH9643
EM9280
FF90030
FH9446
FS9834
FW9350
HX9121
LA9189
LF9188
LG9971
OC9058
OP9315
PH9233
RD9033
RG9250
SA9047
ST9322
SW9065
TB9965
VB9031
VC9164
WI9215
XS9313

1404 [55.3] OVERALL LENGTH
405.4 [15.96]
153.7 [6.05]
124 [4.88] AIR CLEANER ELEMENT REMOVAL DISTANCE
211.24 [8.3165]
913.8 [35.98] OVERALL HEIGHT
285.8 [11.25]
285.8 [11.25]
748 [29.45] LENGTH OF BLOCK
70 [2.75] ZINC ANODE REMOVAL DISTANCE
881.1 [34.69] OVERALL WIDTH
433.3 [17.06]
566.5 [22.30]
332.3 [13.08]
19.1 [0.75] REMOVAL DISTANCE
130 [5.12] BELT GUARD REMOVAL DISTANCE
115.8 [4.56]
133.3 [5.25]

VIEW IN THE DIRECTION OF ARROW 'A' (XS9313 REMOVED)
VIEW IN THE DIRECTION OF ARROW 'B' (ISOLATOR AT LOADED STATE)
VIEW IN THE DIRECTION OF ARROW 'C'

TOP VIEW
REAR VIEW
STARBOARD VIEW
FRONT VIEW
PORT SIDE

QSB 5.9 FOUNDATION LAYOUT

ENGINE SERVICE TEST PORTS/INSTALLATION CONNECTIONS

ITEM	DESCRIPTION	SIZE	TYPE
1	AUXILIARY HEATER RETURN:	5/8 BARBED	
2	AUXILIARY HEATER SUPPLY:	5/8 BARBED	
3	BATTERY CONNECTION (STARTER) (+):	M10 X 1.5	
4	BATTERY CONNECTION (STARTER) (-):	M10 X 1.5	
5	BATTERY CONNECTION (ECM) (+):	(4) PIN DEUTSCH	
6	BATTERY CONNECTION (ECM) (-):	(4) PIN DEUTSCH	
7	COOLANT FILL:	Ø 30 [1.18]	
8	COOLANT RECOVERY/OVERFLOW CONN.:	Ø 8.39 [0.33]	
9	ENGINE OIL DRAIN:	3/4-16 (37°-#8)	
10	ENGINE OIL FILL:	Ø 29.5 [1.16]	
11	EXHAUST OUTLET CONNECTION (ELBOW):	Ø 152.4 [6.00] O.D.	
12	EXHAUST OUTLET CONNECTION (TURBO):	4X M8 X 1.25 ▽ 17.8	
13	EXHAUST TEMP. /BACK PRESSURE TEST PORT:	1/8-27 NPT	
14	FUEL INLET CONNECTION:	3/4-16 (37°-#8)	
15	FUEL INLET TEST PORT:	M10 X 1.0	
16	FUEL RETURN TO TANK CONNECTION:	3/8-18 NPT	
17	FUEL RETURN TEST PORT:	1/4-18 NPT	
18	GEAR OIL COOLER DRAIN:	2X 1/8-27 NPT, (BOTTOM)	
19	GEAR OIL COOLER INLET:	1/2-14 NPT	
20	GEAR OIL COOLER OUTLET:	1/2-14 NPT	
21	OIL HEATER CONNECTION:	M22 X 1.5	
22	SEA WATER INLET:	Ø 50.8 [2.00] O.D.	
23	SEA WATER INLET TEST PORT:	1/4-18 NPT	
24	SEA WATER OUTLET:	Ø 38.1 [1.50] O.D.	
25	SEA WATER OUTLET TEST PORT:	1/4-18 NPT	
26	SHAFT LOG SEA WATER SUPPLY:	2X 1/8-27 NPT, (TOP)	
27	ZINC ANODE:	3X 1/2-14 NPT	

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CUMMINS INC.
ITEM NAME
QSB 5.9 W/ ZF 220A
IDENTIFIER
INSTALLATION DIAGRAM
J
4953807
SCALE: N/A
ITEM CONTROL: MCS
SHEET 1 OF 1