

PRODUCT NEWSLETTER

Issued by: Thomas Lantz

Date: 2015-03-27 Reg. No. 366.1

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Open Can Interface for D9, D13 & D16 Marine Gensets and fixed or variable speed Auxiliary Diesel engines.

To meet customer requirements of engines without control system (EVC/MCC). The D9, D13 and D16 will be possible to order with an Open Can Interface as a new option. Additional options with or without shut down switches will be available.

MG - Constant speed, Gensets/AUX.

MH - Variable speed, e.g Pump units, allspeed generators etc.

New modules will be introduced where the MCC box/PCU, MCU and SDU have been removed, shut down switches will be included depending on Open CAN Option.

Power supply redundancy will remain, but customer need to supervise the two power supplies for alarm.

CAN interface to EMS will be provided to customer in an Electrical Interface Specification Marine.

Publication No 47706587. Available from week 19, 2015.

OEM designed control systems must apply to SAE J1939 standards with additional Volvo proprietary messages.

D9 & D16 updated to same interface and technical solutions as D13, A&B connectors etc. See separate PNL 369.1 for more details.

Type approval

Engine and engine control system, EMS, are still covered by our type approvals.

Customer to take responsibility for type approval of their own control system.

Open CAN Options

- | | | |
|---|--------------------------------|---|
| 1 | CAN, open interface, low. | No control system, no switches. |
| 2 | CAN, open interface, basic. | No control system, overspeed sensor only. |
| 3 | CAN, open interface, extended. | No control system, over speed sensor, coolant temperature, engine oil pressure, reverse gear oil pressure switches. |

	Start of ordering	Start of delivery
D9	Week 20	Week 26, 2015
D13	Week 17	Week 23, 2015
D16	Week 17	Week 23, 2015

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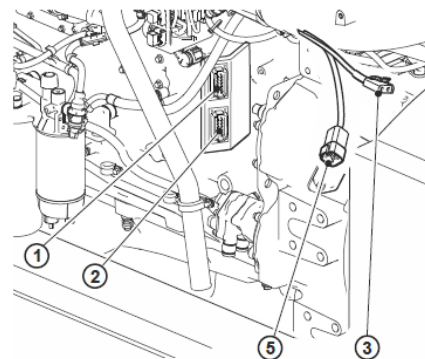
D9 MG

134243011	CAN, open interface, low
134243015	CAN, open interface, extended, HE/KC
134243016	CAN, open interface, extended, RC
134243017	CAN, open interface, basic, RC Emergency

			MCC box incl SDU	Overspee d sensor	Water T, engine oil P switches	SD harness incl A/B & Vodia interface	Stop relay
MCC	134243005	Electrical system AUX, HE / KC	x	x	x	x	x
	134243006	Electrical system AUX, RC	x	x	x	x	x
	134243007	Electrical system EME, RC	x	x		x	x
Open CAN	134243011	CAN, open interface, low				x	x
	134243015	CAN, open interface, extended, HE/KC		x	x	x	x
	134243016	CAN, open interface, extended, RC		x	x	x	x
	134243017	CAN, open interface, basic, RC EME		x		x	x

D9 MH

134223011	CAN, open interface, low
134223015	CAN, open interface, extended
134223016	CAN, open interface, basic



D9 engine connectors

- 1 Connector B
- 2 Connector A
- 3 External stop switch
- 4 Secondary battery
- 5 Diagnosis (VODIA connections)

Shut down unit, optional to -3015 & -3016.

SDU box connected to B connector.

134229742 Shut down unit

			PCU	SDU box	MCC box incl SDU	Shut down panel	Overspeed sensor	Water T, Engine and Gearbox oil P switches	SD harness incl A/B & Vodia interface	Stop relay
EVC	134223001	EVC basic electrical system	x							
	134223005	EVC classifiable electrical system incl shut down control panel	x	x		x	x	x	x	x
	134223006	EVC classifiable electrical system	x	x		x	x		x	x
Open CAN	134223011	CAN, open interface, low							x	x
	134223015	CAN, open interface, extended					x	x	x	x
	134223016	CAN, open interface, basic					x		x	x
	134229742	Shut down unit		x						
	22618974	Shut down panel				x				

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D13 MG

136263010	CAN, open interface, low
136263011	CAN, open interface, basic
136263012	CAN, open interface, extended, RC
136263013	CAN, open interface, extended, CC/KC
136263015	CAN, open interface, extended, HE

			MCC box incl SDU	Overspeed sensor	Water T, engine oil P switches	SD harness incl A/B & Vodia interface	Stop relay
MCC	136263001	Electrical system, basic, MCC, RC, CC/KC, HE	x	x		x	x
	136263002	Electrical system, MCC, RC	x	x	x	x	x
	136263003	Electrical system, MCC, CC/KC	x	x	x	x	x
	136263005	Electrical system, MCC, HE	x	x	x	x	x
Open CAN	136263010	CAN, open interface, low				x	x
	136263011	CAN, open interface, basic		x		x	x
	136263012	CAN, open interface, extended, RC		x	x	x	x
	136263013	CAN, open interface, extended, CC/KC		x	x	x	x
	136263015	CAN, open interface, extended, HE		x	x	x	x

D13 MH

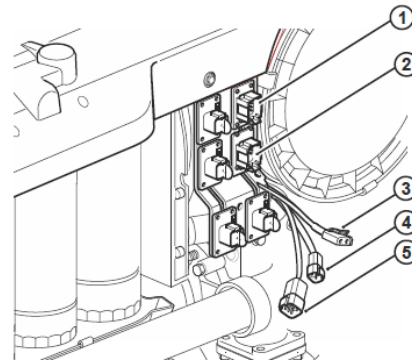
136253011	CAN, open interface, low
136253012	CAN, open interface, basic
136253013	CAN, open interface, extended

Shut down unit, optional to -3012 & -3013

SDU box connected to B connector.

136259755 Shut down unit, HE

136259756 Shut down unit, KC



D13 engine connectors

- 1 Connector B
- 2 Connector A
- 3 External stop switch
- 4 Secondary battery
- 5 Diagnosis (VODIA connections)

			PCU	SDU box	MCC box incl SDU	Shut down panel	Overspeed sensor	Water T, Engine and Gearbox oil P switches	SD harness incl A/B interface	Stop relay
EVC & MCC	136253001	EVC basic electrical system	x						x	x
	136253002	EVC basic class electrical system	x	x		x	x		x	x
	136253003	EVC extended class electrical system	x	x		x	x	x	x	x
	136253004	MCC basic class electrical system			x		x		x	x
	136253005	MCC extended electrical system			x		x	x	x	x
	136253009	EVC basic class electrical system, KC	x	x		x	x		x	x
Open CAN	136253010	EVC extended class electrical system, KC	x	x		x	x	x	x	x
	136253011	CAN, open interface, low							x	x
	136253012	CAN, open interface, basic					x		x	x
	136253013	CAN, open interface, extended					x	x	x	x
	136259755	Shut down unit, HE		x						
	136259756	Shut down unit, KC		x						
	22618974	Shut down panel				x				

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D16MG

138073010 CAN, open interface, low
 138073011 CAN, open interface, extended
 138073013 CAN, open interface, basic

			MCC box incl SDU	Overspeed sensor	Water T, engine oil P switches	SD harness incl A/B & Vodia interface	Stop relay
MCC	138073001	MCC Electrical system All, HE/KC/CC	x	x	x	x	x
	138073003	MCC Electrical system EME, RC	x	x		x	x
Open CAN	138073010	CAN, open interface, Low				x	x
	138073011	CAN, open interface, extended		x	x	x	x
	138073013	CAN, open interface, basic		x		x	x

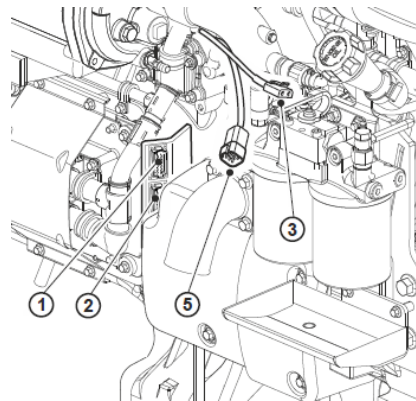
D16MH

138063011 CAN, open interface, low
 138063012 CAN, open interface, extended
 138063013 CAN, open interface, basic

Shut down unit , optional to -3012 & -3013

SDU box connected to B connector.

138069741 Shut down unit, HE
 138069742 Shut down unit, KC


D16 engine connectors

- 1 Connector B
- 2 Connector A
- 3 External stop switch
- 4 Secondary battery
- 5 Diagnosis (VODIA connections)

			PCU	SDU box	MCC box incl SDU	Shut down panel	Overspeed sensor	Water T, Engine and Gearbox oil P switches	SD harness incl A/B & Vodia interface	Stop relay
EVC & MCC	138063001	EVC basic non-classifiable el.system	x							
	138063002	EVC classifiable el. system incl shut down control panel for HE cooling system	x	x		x	x	x	x	x
	138063003	EVC basic classifiable el system incl SD control panel for HE/KC	x	x		x	x		x	x
	138063004	MCC classifiable el system incl shut down control panel for HE cooling system			x		x	x	x	x
	138063008	EVC classifiable electrical system incl shut down control panel for KC cooling system	x	x		x	x	x	x	x
	138063009	EVC basic classifiable el system incl SD control panel for KC cooling system	x	x		x	x		x	x
Open CAN	138063011	CAN, open interface, low							x	x
	138063012	CAN, open interface, extended					x	x	x	x
	138063013	CAN, open interface, basic					x		x	x
	138069741	shut down unit, HE		x						
	138069742	shut down unit, KC		x						
	22618974	Shut down panel				x				