VOLVO PENTA

Volvo Penta of the Americas
1300 Volvo Penta Drive
Chesapeake, Virginia 23320-9810

Parts Bulletin

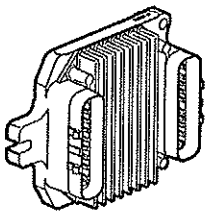
Group	Number	Version
P-28-4	9	02

ECM Replacement

Models: WT and EF 4.3L, 5.0L, 5.7L, 7.4L

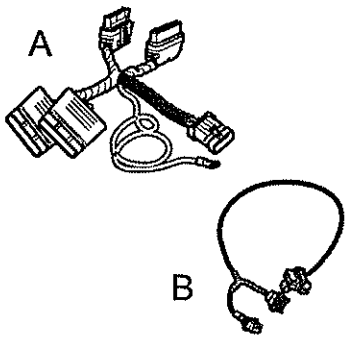
Distribution: Parts Date: 11-2013 Binder: Parts Replaces: ver. 1

Affected models:
WT and EF fuel injected engines that were equiped with MEFI 3 ECMs.



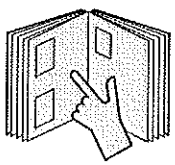
MEFI 3 ECMs are no longer available from the supplier.

MEFI 4 ECMs are now used to service these engines. The MEFI 3 ECMs have been replaced by a MEFI 4 ECM and other parts, depending on model.



When a MEFI 3 ECM is ordered, it is replaced in the Parts' system by;
MEFI 4 ECM
ECM Adapter Harness (A)
Fuel pump power harness (B)(not used on 7.4L)
Instructions
Decal
Tie straps

Some replacements also include a MAT (IAT) sensor kit.



Assembly procedures are covered in the instructions that are part of each replacement.

NOTICE! Use all parts provided by the replacement. Follow the instructions to insure proper operation of the new ECM.

NOTE: If adding an IAT kit (3860614) and MEFI conversion kit at the same time, the IAT kit must be installed first.

5.0GiPWTR, 5.7GSIPWTR

REF	PART NO.	QTY	DESCRIPTION	SEE SEC.	NOTES
1	3858281	1	Wiring harness		
2	(3852527)	1	Terminal, alternator ground		Black, Obsolete part
3	(3852527)	1	Terminal, trim sender fuel pump ground		Black, Obsolete part
4	(3852229)	2	Terminal		Obsolete part
5	(3853565)	2	Connector, 2 pin		Obsolete part
6	(3852229)	2	Terminal, trim sender		Obsolete part
7	(3854244)	1	Cable, ignition coil		Obsolete part
8	(3853320)	1	Cardboard tube, oil pressure switch		Obsolete part
9	(3852084)	1	Terminal, oil pressure switch		Obsolete part, Tan/black
10	(3852245)	1	Terminal, alternator ground		Obsolete part, Black
11	(3852235)	1	Terminal, alternator excite		Obsolete part, Purple
12	(3852130)	1	Rubber cap, alternator output		Obsolete part
13	(3852038)	1	Terminal, alternator output		Obsolete part, Orange
14	(3852233)	1	Terminal, alternator output		Obsolete part
15	3857189	1	Cable seal, knock sensor		
16	(3853480)	1	Terminal casing, knock sensor		Obsolete part
17	(3852235)	1	Terminal, starter solenoid-starter terminal		Obsolete part, Yellow/red
18	(3852527)	1	Terminal, starter solenoid		Obsolete part
19	(3852245)	1	Terminal		Obsolete part
20	(3852245)	1	Terminal		Obsolete part
21	(3852235)	1	Terminal		Obsolete part
22	3854164	2	Automatic fuse, 50 amp		
23	(3852245)	1	Terminal		Obsolete part
24	(3852235)	1	Terminal		Obsolete part
25	3854163	1	Automatic fuse, 20 amp		
26	(3852245)	1	Terminal		Obsolete part
27	(3852227)	1	Terminal, electrical bracket ground		Obsolete part, Black
28	(3854192)	1	Relay, starter relay		Obsolete part
29	(3854192)	4	Relay, starter relay		Obsolete part
30	(3852158)	1	Cable tie, shift interrupt to cable trunk		Obsolete part
31	(3853565)	1	Connector, 2 pin shift interrupt		Obsolete part
32	(3852229)	2	Terminal, shift interrupt		Obsolete part
33	(3853681)	1	Trunk, low pressure fuel pump		Obsolete part
34	3853679	2	Terminal, low pressure fuel pump		
35	(3852210)	1	Bracket, fuel pump ignition relay		Obsolete part
36	(3852246)	4	Terminal, fuel pump ignition relay		Obsolete part
37	(3852247)	4	Terminal, fuel pump ignition relay		Obsolete part
38		1	Terminal		part not sold
39	(3852235)	2	Terminal, fuel pump circuit breaker		Obsolete part
40	(3852233)	1	Terminal, fuel pump circuit breaker		Obsolete part
41	3854163	1	Automatic fuse, 20 amp		
42	(3852233)	1	Terminal, water temp transmitter		Obsolete part
43	(3852233)	1	Terminal, oil pressure transmitter		Obsolete part
44	(3853681)	1	Trunk, high pressure fuel pump		Obsolete part
45	3855021	1	Connector housing, high pressure fuel pump		
46	3853679	2	Terminal, high pressure fuel pump		
47	3855245	1	Connector		
48	3858863	1	Engine control modul		Gi
			• Bulletin P-28-4-9	P-28-4-9-EN	ECM Replacement
48	3858888	1	Engine control modul		GSi
			• Bulletin P-28-4-9	P-28-4-9-EN	ECM Replacement
49	3850357	1	Knock sensor		
50	3850397	1	Switch		
51	3850396	1	Sensor		
52	3857815	1	Bracket, ECM and map sensor		
53	3852115	2	Flange screw, map sensor bracket		
54	3852053	3	Flange screw, ECM to bracket		
55	3857179	4	Hose, map sensor		
56	3853398	1	Flange screw, ECU bracket to riser		

Parts Replacement

Print this page About this page

Customer No:	220396
Customer Name:	SUPERIOR DIESEL, INC.

Change to the Parts Discrepancies & Return Process - Starting Monday, Nov 10

Starting Monday, November 10, 2014, all new and pending parts returns must be sent to our new Volvo Group Central Distribution Center in Byhalia, MS.

There is no other change in the claims process. If you have already received a return authorization for Duluth, please print a new blank case label.

Note that this does not affect the recently posted core return policy (cores to be returned to Hagerstown, MD)

Supersession Type	VP Part Number	Description
Multiple replacement	3858863	ENGINE CONTROL UNI

Application	VP Part Number	Description	Qty	Select Group
All Groups	948211	CABLE TIE	3	
	7749063	INSTRUCTIONS FOR U	1	
	3860614	KIT	1	
	3832370	DECAL	1	
	3801310 21242091	CONTROL UNIT, EXCH	1	
	21242089	CABLE	1	
	21242085	CABLE	1	

Finish

** E S T I M A T E **

Order#: 313883

SUPERIOR DIESEL, INC
6881 BULLDOG DR
NORTH CHARLESTON, SC 29406

Page: 1

843/553-8331

Bill: BARRY
.
BRENTWOOD, NY 00000

Phone: 631/834-4511

Ship: BARRY
.
BRENTWOOD, NY 00000

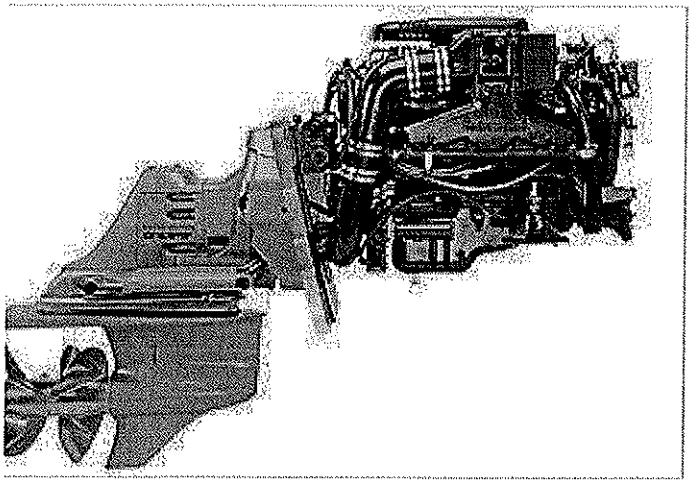
Phone: 631/834-4511

Clerk: HOWARD	Job Type:	Estimate b
Order Date: 11/06/14	Manufacturer:	Day Phone
Customer: 6050	Displacement:	
PO#:	Model#:	
Terms: COD-CASH/CHECK	Vin:	
Salesman: HOUSE ACCOUN	Truck #	
Serial#:	Year	

Ord	Ship	B/O	Description	Price	Extension
3	3	0	948211 STRIP CLAMP	0.16	0.48
1	1	0	7749063 INSTRUCTION	7.40	7.40
1	1	0	3860614 KIT	102.71	102.71
1	1	0	3832370 DECAL	9.20	9.20
1	1	0	21242092 MODULE	1692.18	1692.18
1	1	0	21242089 CABLE HARNESS	64.44	64.44
1	1	0	21242085 CABLE HARNESS	644.59	644.59

Merchandise	2521.00
Labor	
Other Charges	0.00
Tax	0.00
Invoice Total	2521.00

5.0GIPWTR



Technical Data

Engine	5.0GIPWTR
Production period	1998-1999
Operation	4-stroke
Cylinder configuration	V-8
Bore (mm)	95
Stroke (mm)	88.4
Compression ratio	9.41:1
Displacement (litres)	5
Power (hp)	250
Max engine speed (rpm)	4600-5000

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mmary | Parts | Service

Product Data

Serial number:	4110188756	**Type of use:**	
Spec. number:	3868945	**Hull / Machine ID:**	
Product description:	5.0GiPWTR	**Chassis number:**	

Parts Catalog

Type	Catalog ID	Description	Language
	7797467	5.0GLPWTR, 5.0GiPWTR, 5.7GSIPWTR, 5.7GSPWTR	

Product Bulletins

Type	Title	Pub. ID	Date	Size	Language
	Product bulletin 5.0/DP	7739694	26/02/2008	101 KB	
	Product bulletin 5.0/SX	7739687	26/02/2008	161 KB	