Instruction Sheet

IS-19919

Volvo 9700 ELD Interface Kit for US10 Vehicles

First Release

09-26-2019

APPLICATION

Model	VIN
Volvo 9700 Model Year : 2011 - 2013	From 3CET2S229 B 5 142239 up to 3CET2S22X D 5 160994

MATERIAL

Order Kit # 7775125 which includes the following parts:

Part No.	Description	Qty
23446645	ELD Harness US07/US10 (9 PIN)	1
20890176	Control Unit FMS Gateway	1
390038	ELD Decal	1
23338070	OBD Decal (Volvo)	1
952641	Adel Clamp Rub #35	1
952634	Adel Clamp Rub #24	1
500124	Screw SS #8X1/2	4
504637	Cable tie Nylon STD Black	15
IS-19919	Instruction Sheet (EN)	1

Equipment required:

Description	Qty
Laptop with PTT (Premium TechTool, latest version installed) & related cables.	1

NOTE

Material can be obtained through regular channels.

PROCEDURE



DANGER

Park vehicle safely, apply parking brake, stop engine. Prior to working on the vehicle, set the ignition switch to the OFF position. Wait 20 seconds and set the main switch and the battery switch to the OFF position. Disconnect negative terminals from the batteries.

Lock out & Tag out (LOTO) must be performed during set-up, maintenance or repair activities. Refer to your local procedure for detailed information regarding the control of hazardous energy.

PART 1: FMS GATEWAY MODULE INSTALLATION

1. Open the electrical compartment located behind the driver's seat.



2. Remove both drivers' lateral utility compartment doors.





3. Route the ELD interface harness **23446645** from the electrical compartment up to the driver's area (diagnostic connector area).

- From the electrical compartment, route the diagnostic connector side of the harness (two 9 PIN connectors) inside the lateral utility compartment.



- Pass the harness from the lateral compartment to the driver's foot area (Diagnostic connector area).



- 4. Remove the vehicle 9 PIN diagnostic connector from the underside of the dashboard (drivers' side).
 - Remove the connector from the support bracket (4 Torx screws).
 - Also remove the bracket from the vehicle.



5. Connect the vehicle diagnostic connector (previously removed from the bracket) to the ELD harness round 9 PIN connector identified **OBD_O**.



- 6. Install the ELD harness diagnostic connector identified **OBD_N.A** (with square flange).
 - Remove the grey protective cap and secure the connector square flange **OBD_N.A** to the mounting bracket (4 previously removed Torx screws).
 - Install the bracket at its original location under the dashboard.



7. Inside the electrical compartment, secure the ELD FMS gateway module **20890176** to the compartment wall.

NOTE

It is also possible to install the ELD device directly inside the lateral utility compartment (per customer request).



- Make a support bracket for the module using the supplied #35 Adel clamp **952641** as shown.



- Secure the module to the compartment wall using the supplied **500124** screws (module connector facing down). Connect the ELD harness **A946** green connector to the gateway module.



- 8. (Optional step) If using a Volvo branded ELD device (part # 7770385). Secure the ELD device next to the gateway module using the supplied #24 Adel clamp **952634** (connector facing down).
 - Make a support bracket for the module using the Adel clamp and secure to the electrical compartment wall next to the FMS Gateway module.
 - Connect the module to the ELD harness round 9 PIN connector identified **A126_A** (remove gray protective cap) using the adaptor cable supplied with the ELD module.



NOTE

Do not discard the gray protective cap. Secure the cap to the cable using a small cable tie.



9. Secure the ELD harness inside the electrical compartment, at the bottom of the lateral utility compartment and under the dash using cable ties.

Make sure the harness is not interfering with the controls or the driver's movements under the dash area.

- 10. Install ELD and OBD warning decals.
 - Install the OBD decal **23338070** on the lower part of the dashboard (above the OBD connector). When using a Volvo ELD device, also install the ELD decal **390038** over the ELD device in the electrical compartment.



11. Reinstall the electrical compartment cover and lateral compartment doors.

PART 2: FMS GATEWAY MODULE PROGRAMMING

1. Connect to PTT (Premium Tech Tool) and select TEST. Expand operation *Service and Maintenance*, select *Vehicle Information Test* and click START.

Tech Tool Links Help	
Product Product History Diagnose Test Calibrate Program Impact	
Test Select an operation and click Start	- Vehicle Information, Test
I - Service and maintenance 1700-08-03-03 - Vehicle Information, Test	To run the operation in simulation mode, select Run as simulated Run as simulated This operation reads ECU information from the vehicle.
1700-06-03-02 - Sensor and Paralitheer Values, Normoning 1700-08-03-32 - Learned Data Reset 1700-21-03-01 - Fault Codes, Test Mode 1700-21-03-02 - Fault Codes 1700-21-03-04 - Oacilloacope	
2 - Engine, Engine mounting and equipment 3 - Electrical system and instruments 4 - Transmission	
5 - Brakes 6 - Axles, suspension and steering 7 - Frame, springs, shocks and wheels 8 - Body, cab and interior	
9 - Miscellaneous	
	Start> Cancel
assis ID: DREVX 729989 VIN: 2DCG334934C729989 Wwk Owter: FLDTest	Partiet 🖉

2. Confirm in Vehicle Information Test that <u>MID 179 – FMS Gateway</u> is present, but that related information's are <u>not available</u>.



3. Exit the TEST menu and select PROGRAM. Expand operation *Service and Maintenance*, select *Accessory Kit* and click START.



4. Click YES on the following message box.

och Tool	Links Hole				
BCH 1001	Links Help				с ф
roduct	Product History	Diagnose T	est Calibrate	Program Impact	
				Warrings	
				runnigs	
				Before the selected procedure is carried out, the following warnings and precautions must be observed:	
				Possible damage to electronic components. Turn the	
				vehicle ignition switch OFF before disconnecting or	
				energize circuits may result in electronic equipment	
				damage.	
				To prove the electron to the harm (ESD) which may	
				damage sensitive electronic components, a wrist grounding	
				strap must be used when working on electronic equipment	
				result in permanent damage to electronic components.	
				The warnings and mecautions above have been read and	
				understood.	
				Yes	

5. Press the PLAY D button to open the dialog box then enter Accessory Kit # 85152926. Click OK.

Tech Tool	
Tech Tool Links Help	
Product Product History Diagnose Test Calibrate Program Impact Impact Impact Impact Impact Impact Impact Impact Calibration Accessory Ka Impact Impact Impact Impact Impact Calibration Accessory Ka Impact Impact </td <td></td>	
hassis ID: PREVX 729989 VIN: 2PCG33493AC729989 Work Order: ELDTest	Serveduct

6. Complete the action by clicking OK on the following message.

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iech Iool Lunks Help	uga -
Product Product History Diagnose Test Calibrate Program Impact	
Accessory Kit ✓ Enter accessory kit	
✓ Authorization	
Caution: Possible damage to electronic components. Turn the Communication with the central systems in progress	
rehicle ignition switch OFF before disconnecting or connecting any electrical components. Failure to de-energize circuits may result in Saving to a job card	
electronic equipment damage. Operation complete	
Caution: To reevent electrostatic discharge (EGD) which may	
famage sensitive electronic components, a wrist grounding strap	
nust be used when working on electronic equipment (e.g., the Accessory Kit	
permanent damage to electronic components.	
The accessory kit is ordered and VDA is updated. Then	
Inis operation is used to update vehicle data in the central systems when ordering accessories.	
ОК	
The operation ensures that the correct information about the vehicle is stored in the central system. This is important because the correct	
part number for software/hardware must be available when	
programming the new control unit.	
Enter the accessory kit part number.	
The control unit concerned must be programmed once this operation	
has been performed.	
Note: Updating the central systems can take a while.	
	Ext
ssis ID: PREVX 729969 VIN: 2PCG33493AC729969 Work Order: ELDTest	S Product S On

7. Once completed, exit the PROGRAM menu.



8. Select the PRODUCT menu and click Finish Work then choose Latest Selections.

Tech Too	I Links Help						1
Produc	Product History Diagnose Test	Calibrate Program	m Impact				
Selec	ted Product (PREVX 729989)						
Si Ref	resh 🛛 🔞 Settings 🔍 Manual Selection	Latest Selections	OBD/LVD -			1	Finish Work
Product	Details			Product	Status		
Chassis	ID:	VIN:		Status	Description	١	/alidated
PREVX	729989	2PCG33493AC729989	2	•	DTCs with status Active. Click Diagnose to view DTCs.	1	19/03/2018 10:26 AM
Model:		Company:		(i)	Current battery level: 13.0 V.	1	9/03/2018 10:26 AM
PREVX		Volvo Buses					
Emissia US07	on Level:						
Electric Multiple	al System: xed version 2						
Connect	ivity			Campaig	ns (0)	Readout Time:	19/03/2018 10:24 AM
Status	Description			There ar	e no available campaigns for this product.		
0	VOCOM I (USB) is connected to the computer.						
0	The selected product PREVX 729989 is connected. Product Data Retrieved:		19/03/2018 10:24:12 AM				
0	Central Data Retrieved:		19/03/2018 10:24:18 AM				

9. In the Latest Selection list, select (click to highlight) the corresponding job (validate with Chassis ID or VIN) then click *Remove*. The system is now ready to refresh the MID 179 – FMS Gateway information's and program the FMS Gateway module.

Tech Tool Links Help	Latest Selections	
Product Product History Diage	Select an item in the table and click OK to work with it. You can also Update or Remove the selected item.	
Selected Product	S Refresh Al 🕆 Remove 🛤 Print	
😘 Connect 🛛 🚳 Settings 🔤 🔍 Manu	Selected Chassis ID Reg. No. VIN Company Electrical System Product Type Model User ID DI003/2018 10.26 AM PREVX 72989 2PC033493AC72989 Volvo Buses Multiplexed version 2 Not applicable PREVX M300874	
Connectivity	19/03/2018 9:10 AM PREVH 711622 2PCH33496AC711622 Volvo Buses Multiplexed version 2 Not applicable PREVH M300874	
Status Description	15/03/2018 2:41 PM PREVH 711508 2PCH33498AC711508 Volvo Buses Multiplexed version 2 Not applicable PREVH M300874	
VOCOM I (USB) is connected to the	14/03/2018 11:28 AM PREVH 711721 2PCH33496BC711721 Volvo Buses Multiplexed version 2 Not applicable PREVH M300874	
Product PREVX 729989 is connect	10/03/2018 4:10 PM PREVX 736284 2PCG33490JC736284 Volvo Buses Multiplexed version 3 Not applicable PREVX M300874	
	10/03/2018 1:42 PM PREVH 710068 2PCH33491JC710068 Volvo Buses Multiplexed version 3 Not applicable PREVH M300874	
	07/03/2018 11:33 AM PREVH 710062 2PCH33490JC710062 Volvo Buses Multiplexed version 3 Not applicable PREVH M300874	
	27/02/2018 10:15 PM PREVH 713585 2PCVS3493HC713585 Volvo Buses Multiplexed version 3 Not applicable PREVH M300874	
	27/02/2018 5:19 PM PREVH 713609 2PCVS3492HC713609 Volvo Buses Multiplexed version 3 Not applicable PREVH M300874	
	20/02/2018 8:49 AM PREVH 712902 2PCH33497FC712902 Volvo Buses Multiplexed version 3 Not applicable PREVH M300874	
	15/02/2018 12:22 PM PREVX 737447 4RKG33492J9737447 Volvo Buses Multiplexed version 3 Not applicable PREVX M300874	
	24/01/2018 3:07 PM PREVH 710100 2PCH33494JC710100 Volvo Buses Multiplexed version 3 Not applicable PREVH M300874	
	17/01/2018 11:06 AM LFSE 750210 2NVYL82M4G3750210 Volvo Buses Multiplexed version 3 Not applicable LFSE M300874	
	17/01/2018 11:01 AM PREVX 736114 2PCG33495HC736114 Volvo Buses Multiplexed version 3 Not applicable PREVX M300874	
	17/01/2018 10:59 AM LFSE 750275 2NVYL82MXG3750275 Volvo Buses Multiplexed version 3 Not applicable LFSE M300874	
	15/01/2018 9:56 AM PREVH 716114 Volvo Buses Multiplexed version 3 Not applicable PREVH M300874	
	10/01/2018 11:01 AM PREVH 712520 2PCH33496EC712520 Volvo Buses Multiplexed version 3 Not applicable PREVH M300874	
	10/01/2018 10:54 AM PREVH 712716 2PCH3349XFC712716 Volvo Buses Multiplexed version 3 Not applicable PREVH M300874	
	29/12/2017 10:46 AM PREVH 712217 2PCH33497DC712217 Volvo Buses Multiplexed version 2 Not applicable PREVH M300874 .	
	Show only products selected by me	
	OK Cancel	

10. In the PRODUCT menu, start a new work session.



oduct P					
elected	Product History Product	Diagnose	Test Calibrate	Program Impact	
💪 Refresh	Settings.	🔍 Manual Selectio	on 🕒 Latest Selectio	Work Order Number	Finish Wo
nter Starting	ig up a new Work Si	ession		Charge Batteries Charge batteries (12/24V) while vehicle is in workshop.	
oduct Detail:	ils			Enter a work order number or select a recently used work order number in the list.	Validated
hassis ID: REVX 72998	69		VIN: 2PCG33493AC7	Enter work order number	19/03/2018 10:46 AM
REVX mission Lev S07 Jectrical Sys Jultiplexed ve	vel: stem: ersion 2		Volvo Buses	Select a recently used work order: Work Order No. User ID Date ELDTest M300874 19/03/2018 10.43 AM Enter Notes:	
nnectivity					
tatus Desc	cription				
VOCO Produ	OM I (USB) is conne uct Data: Reading Co	cted to the comput ontrol Unit Data	er.		
Centra	ral Systems Data: Do	ownloading		Start Work Cancel	

11. Go to the PROGRAM menu, expand the *Electrical System and Instruments* operation and select <u>MID 179 Control Unit Programming</u> option (click START).

Tech Tool	
Tech Tool Links Help	
Product Product History Diagnose Test Calibrate Program Impact	
Program Select an operation and click Start	3970-22-03-06 - MID 179 Control Unit, Programming To run the operation in simulation mode, select Run as simulated Image: Run as simulated This operation is used to program the FMS Gateway. This operation must be used when replacing the control unit. The operation reads the software and parameter settings from the old control module and programs these settings into the new control module.
3649-22-03-01 - MID 144 Control Unit, Programming 3929-22-03-01 - MID 206 Control Unit, Programming 3970-22-03-03 - MID 206 Control Unit, Campaign 3970-22-03-07 - MID 179 Control Unit, Programming 3972-22-03-01 - MID 179 Control Unit, Programming 3972-22-03-02 - MID 142 Control Unit, Campaign 4 - Transmission 5 - Brakes 6 - Axles, suspension and steering 7 - Frame, springs, shocks and wheels 8 - Body, cab and interior 9 - Miscellaneous	The operation is also used when reprogramming an existing control unit, for example when a conversion kit has been ordered necessitating reprogramming of the control unit. In the beginning of the operation you have three options: - Use "Replace control unit" ONLY when you change the control unit. All data from the old control unit is transferred to the new control unit. - Use "Reprogram control unit with complete software package" ONLY when you need to repair the software in the control unit. - Use "Reprogram control unit with complete software package" ONLY when you need to update control unit with new software. Only new parameters or new parts of the software are programmed so this is normally the fastest option. Note that this option is not available in intermediate storage.
wskii ID: PREVX 729989 VIN: 2PCG33493AC729989 Work Order: ELD2	S Product S On

12. Click YES on the following message box.

Product Product History Diagnose Test Calibrate Program Impact Warning: Before the selected procedure is carried out, the following winning and proceedures with the following winning and proceedures is carried out, the following winning and proceedures is carried out, the following winning and proceedures is carried out, the following winning and proceedure is carried out, the following winning and proceedure is carried out, the following winning and proceedure is carried out, the following winning and proceedures is carried out, the following winning and proceedures of the following winning and proceedure is carried out, the following winning and proceedure is carried out, the following winning and proceedure is carried out, the following winning and proceedure out of the following winning and proceedures of the following winning and proceedures of the following winning and proceedure out o	Tech Tool Link	s Help						1
Warnings Before the selected procedure is carried out, the following warnings and precautions must be observed: Image: Current Components Turn the vehicle ignition switch OFF Defore disconnecting or connecting any result in electronic components. Failure to deenergize circuits may result in electronic equipment damage. Image: Current Components. Failure to deenergize circuits may result in electronic equipment damage. Image: Current Components. Failure to deenergize circuits may result in electronic equipment (e.g., the instrument cluster). Failure to use a wrist strap may result in permanent damage to electronic components. Image: Current Components. The warnings and precoutions above have been read and understood.	Product Pr	oduct History	Diagnose	Test	Calibrate	Program	Impact	
Before the selected procedure is carried out, the following warnings and precautions must be observed: Image: Control of the control of						War	nings	
CAUTION Possible damage to electronic components. Turn the vehicle ignition switch OFF before disconnecting or connecting any electrical components. Failure to de-energize circuits may result in electronic equipment damage. Image: CAUTION To prevent electronic discharge (ESD), which may damage sensitive electronic components, a wrist grounding strap must be used when working on electronic equipment (e.g., the instrument cluster). Failure to use a wrist strap may result in permanent damage to electronic components. The warnings and precautions above have been read and understood.						E	Before the selected procedure is carried out, the following warnings and precautions must be observed.	
Possible damage to electronic components. Turn the vehicle ignition switch OFF before disconnecting or connecting any electrical components. Failure to de- energize circuits may result in electronic equipment damage. CAUTION To prevent electrostatic discharge (ESD), which may damage sensitive electronic components, a wrist grounding strap must be used when working on electronic equipment (e.g. the instrument cluster). Failure to use a wrist strap may result in permanent damage to electronic components. The warnings and precautions above have been read and understood.								
CAUTION To prevent electrostatic discharge (ESD), which may damage sensitive electronic components, a wrist grounding strag must be used when working on electronic equipment (e.g., the instrument cluster). Failure to use a wrist strap may result in permanent damage to electronic components. The warnings and precautions above have been read and understood. Yes No							Possible damage to electronic components. Turn the vehicle ignition switch OFF before disconnecting or connecting any electrical components. Faulure to de- energize circuits may result in electronic equipment damage.	
To prevent electrostatic discharge (ESD), which may damage sensitive electronic components, a wrist grounding strap must be used when working on electronic equipment (e.g. the instrument cluster). Failure to use a wrist strap may result in permanent damage to electronic components.								
The warnings and precautions above have been read and understood.							To prevent electrostatic discharge (ESD), which may damage sensitive electronic components, a wrist grounding strap must be used when working on electronic equipment (e.g. the instrument cluster). Failure to use a wrist strap may result in permanent damage to electronic components.	
Yes No							The warnings and precautions above have been read and	
						Ľ	Yes No	

13. Click PLAY I to open the dialog box then choose the *Download software and show commercial part number* option. Click OK.

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oduct Product History Diagnose Test Calibrate Program Impact	
(+ I) (- (- (- (- (- (- (- (- (- (- (- (- (-	
MID 179 Control Unit Programming	
Reading data from the control unit	
Connection to the control unit	
ution: Possible damage to electronic components. Turn the Authorization	
Communication with the central systems in progress	
ctronic equipment damage. Confirming software status	
Programming	
ution: To prevent electrostatic discharge (ESD), which may Saving to a job card	
rage sensitive electronic components, a wrist grounding strap the used when working on electronic anument (a p. the Operation complete	
s be been meen working on electronic exceptione (e.g., the rument cluster). Failure to use a wrist strao may result in =	
manent damage to electronic components.	
Confirm software	
is operation is used to program the FMS Gateway.	
is control unit. The	
Show only commercial part number.	
ntrol module and programs these settings into the new control	
dule. 3 OK Carr	
operation is also base when reprogramming an existing control	
essitating reprogramming of the control unit.	
te: The fault codes in the programmed ECU will be cleared. Read	
save all rauk codes to the joo card before running this operation.	
les should be cleared.	
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as ID: PREVX 729989 VIN: 2PCG33493AC729969 Work Order: ELD2	Product 🧭

14. Select Reprogram control unit with complete software package, then click OK.

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ech Tool Links Help	
Product Product History Diagnose Test Calibrate Program Impact	
MID 179 Control Unit, Programming Reading data from the control unit	
Caution: Programming	
Cardian - rossion a	
electrical component () Choose action:	
electronic equipment Replace control unit	
Caution: To prevent Reprogram control unit with complete software package	
damage sensitive ele mist he used when we is a sensitive ele	
Instrument (Luster). F	
permanent damage ti OK Cancel	
This operation is use	
This operation must be used when replacing the control unit. The operation reads the software and parameter settings from the old	
control module and programs these settings into the new control	
module.	
The operation is also used when reprogramming an existing control	
unit, for example when a conversion kit has been ordered	
necessitating reprogramming of the control unit.	
Note: The fault codes in the programmed ECU will be cleared. Read	
and save all fault codes to the job card before running this operation.	
Youre bas are the operation new rates course may be set. These taux codes should be cleared.	
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	Exit
assis ID: PREVX 729999 VIN: 2PCG33493AC729999 Work Order: ELD2	🛛 🥸 Product 😵 O

15. Confirm both conditions (engine must be switched off & parking brake applied) to continue.

Tech Tool	
Tech Tool Links Help	54
Product Product History Diagnose Test Calibrate Program Impact	
MID 179 Control Unit, Programming Caution: Possible damage to electronic components. Turn the vehicle ignition switch OFF before disconnecting or connecting any electronic equipment damage. Caution: To prevent electrostatic discharge (ESD), which may damage sensitive electronic components. Failure to de-energize circuits may result in electronic equipment (4 a, the instrument cluste). Failure to use a wrist strougnent (5 a, the instrument cluste). Failure to use a wrist strap may result in permanent damage to electronic components. This operation is used to program the FMS Gateway. This operation reads the software and parameter settings from the old control module and programs these settings into the new control unit. Note: The fault codes in the programming of the control unit. Nee enstall codes may be set. These fault codes in the programmed ECU will be cleared. Wile: Wile: Wile: The full codes in the programmed ECU will be cleared. Read and as ave all fault codes to the joc card before runing this operation. Note that after the operation new fault codes may be set. These fault codes in the programmed ECU will be cleared. Wile: Wile: The tart the operation new fault codes may be set. These fault codes in the programmed ECU will be cleared. Wile: Wile: Wile: The addition is also used when reprogrammed for the operation. Note that after the operation new fault codes may be set. These fault codes in the programmed ECU wills operation. Note that after the operation n	
	Exit
heseis ID: PRE/xX 729889 VIN: 2PCG33483AC729889 Work Order: ELD2	🤡 Product 🔮 Online

16. Click YES on the product reset warning.



17. Click Continue on the identical software information box.



18. Software is free of charge, click OK to continue.

oduct Product History Diagnose Test Calibrate P	Program Impact
aution: Possible damage to electronic components. Turn the ahicle ignition switch OFF before disconnecting or connecting any estrical components. Fullure to de-energize circuits may result in ectronic equipment damage. aution: To prevent electrostatic discharge (ESD), which may amage sensitive electronic components, a wrist grounding strap ust be used when working on electronic equipment (e.g., the strument cluster). Failure to use a wrist strap may result in immanent damage to electronic components. his operation is used to program the FMS Gateway. his operation must be used when replacing the control unit. The peration reads the software and parameter settings from the old ontrol module and programs these settings into the new control odule. he operation is also used when reprogramming an existing control nit, for example when a conversion kit has been ordered uccessitating reprogramming of the control unit. kote: The fault codes in the programmed ECU will be cleared. Read nd save all fault codes to the job card before running this operation. to that after the operation new fault codes may be set. These fault odes should be cleared.	

19. Choose IGNORE on the High Speed Programming option.

roduct Product History Diagnose Test Calibrate P	Program Impact
→ = = = = + = + + + + + + + + + + + + +	
MID 179 Control Unit, Programming	
	Testing max speed
Caution: Possible damage to electronic components. Turn the	This Control Unit supports high speed
vehicle ignition switch OFF before disconnecting or connecting any	programming. In order to program at high speed.
electrical components. Failure to de-energize circuits may result in	all other control units must have their
electronic equipment damage.	communication disabled.
Caution: To prevent electrostatic discharge (ESD), which may	I he System could not disable communications from the following Control Units. Please remove
damage sensitive electronic components, a wrist grounding strap	the fuse(s) controlling power to these Control
must be used when working on electronic equipment (e.g., the	Units.
permanent damage to electronic components.	
annuner auninge to exectorite components.	MID 130 Transmission ECU
This operation is used to program the FMS Gateway.	
This operation must be used when replacing the control unit. The	
operation reads the software and parameter settings from the old	
control module and programs these settings into the new control	
nodule.	
The operation is also used when reprogramming an existing control	
unit, for example when a conversion kit has been ordered	Press Ignore to program at standard speed.
necessitating reprogramming of the control unit.	
Note: The fault codes in the programmed ECU will be cleared. Read	Ignore
and save all rault codes to the job card before running this operation.	
note that arter the operation new rault codes may be set. These fault	
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20. When prompted, switch the vehicle power to OFF (ignition switch), wait 10 seconds then switch the power ON again. Wait for the *Standard Speed Programming* to complete.



21. Once completed, exit the PROGRAM menu and go back to the TEST menu, expand operation Service and Maintenance, select Vehicle information, Test and click START.





22. Confirm in Vehicle Information Test that <u>MID 179 – FMS Gateway</u> is present and that all related information's are now available.





23. Refresh and delete codes.

PARTS / WASTE DISPOSAL

Discard waste according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)