Ξ

Vehicle Speed Factor (K-Factor) Programming -Speed Factor Value Incorrect When Calculated In Premium Tech Tool (PTT); Speedometer Reading Incorrectly Following A Change To Vehicle Speed Factor - US17+OBD16 And Newer Emissions, Common Model Year 2018

r L L

> Internal Content

Prior to performing any steps below, ensure that PTT is the current version. At the time of this solution's composition, PTT version 2.6.70 is the current release. The conversion error will be fixed in a future release. If a newer version is available, PTT should be updated and the issue confirmed to still exist prior to proceeding.

A. Calculate the Vehicle Speed Factor

1. Run PTT Operation 3829-08-03-06 Vehicle Speed Factor, located under the Calibrate tab.

2. Enter the Drive axle ratio and Tire Revolutions per Mile (Revolutions per Kilometer) as required

3. Press the Play button in the Step 1 box on the left-hand side of the screen. The Calculated Value box will display the Speed Factor. **This value is correctly calculated.**

4. DO NOT PRESS PLAY IN THE STEP 2 BOX. Copy or record the value displayed in the Step 1 box, then exit the Operation.



B. Program the Calculated Value

1. Run PTT Operation 1700-22-03-03 Parameter Programming, located under the Program tab.

2. Once parameters have loaded, search for or locate parameter MH, Vehicle Speed Factor US.

Tags **3.** Enter the value that was copied or recorded in Part A as the new value for k49053322 p215a-64 p215a64 volvo mack

4. Complete the parameter programming operation to save the new Vehicle Speed Factor value.

Related links and attachments



No links or attachments available



Give feedback

to help improve the content of this article

12/22/21, 3:43 PM

Article



S Tech Tool									ð X
Tech Tool	Links Help							E BRADL	EY PICKENS
Product	Product History	Diagnose	Test	Calibrate	Program	Impact			
								1700-22-03-03 Parameter, programming	
								View parameters	
								Information >> Conditions >> Execution	
								Incorrectly set parameters could adversely affect vehicle or component operation and in some cases cause personal injury.	
								CAUTION	
								Make certain the vehicle is equipped with the appropriate components and features before resetting any parameters.	
							ė	1 have read and understand the above advisory	
								Continue >	Cancel
Chassis ID: M	748 37585 VIN: 1M2AX0	7C9JM037585	Work Order:	00000				Produc	t 🥑 Online
€ ۵	Type here to searc	h		0	لط ال	3 🗖		🧿 🥫 🤹 💶 📄 🚱 🛛 へ 📥 🤅 🖓 3:	1 PM 2/2021 😽



e

.

0

0

Цi

へ 🥧 倨 🖓 12/22/2021

8

Т

0

Chassis ID: M748 37585 VIN: 1M2AX07C9JM037585 Work Order: 00000

🕙 Tech Tool												-	1	đ	\times
Tech Tool	Links Help										=	BR	ADLE	Y PICK	ENS
Product	Product History	Diagnose	Test	Calibrate	Program	Impact									

1700-22-03-03 Parameter Programming

Find a parameter applying a filter using the options below or by searching for its ID or name. Change the parameter value directly in the table. Click Continue to confirm the changed parameter values.

		Filter by:		Control Unit:			Parameter Ty	pe:		Paramete	r State:	
	٩	Control Unit	~	All		~	All		¥	All		
Reading parameters												
Name					Min	Value	Max	Unit	Details \$	State		

-		
5	lech	00

BRADLEY PICKENS

Product Product History Diagnose Test Calibrate Program Impact	
Calibrate Select an operation and click Stat Soft by function Service and maintenance Electrical system and instruments Electrical system and instruments Soft-03-00 Varice Served Fador 3979-07-03-02 Telematics System StM ID Insumission Charles Supervision (Transmission remove()) 4320-07-03-01 Transmission, clutch, engagement point Soft system state steps Ardes, supersion and steering Frame, springs, shocks and wheels Body, cab and interior Miscellaneous 	State-UG8-03.00 Vehicle Speed Factor Image: Comparison of the symptotic symptot
Chassis ID: M748 37585 VIN: 1M2AX07C9JM037585 Work Order: 00000	🖨 Product 🐶 Online

P

Ħ 🧲 🗖

0

🔚 🤹

e

∐i

0

.

9

へ 📥 🦟 🕬 ^{3:47 PM} 12/22/2021 🐻

٩

•

x

Chassis ID: M748 37585 VIN: 1M2AX07C9JM037585 Work Order: 00000

9 Tech Tool	
Tech Tool Links Help	BRADLEY PICKENS
Product Product History Diagnose Test Calibrate Program Impact	
Product History Diagnose Test Calibrate Program Impact Implement 4675 imp/km Vehicle speed factor 6 Speed sensor gear teeth 1 Vehicle speed factor calculation 0 Calculated value	3829-08-03-06 Vehicle Speed Factor Simulation Information >> Conditions >> Execution Action 1 Select preferred input unit Image: Information by the select variables below Drive axke ratio 0 Tree revs / mile Click: Start to calculate the vehicle speed factor
2 Program vehicle speed factor	2 Press Start to program the vehicle speed factor using the calculated value Results Select one of the following alternatives OK Not OK Continue >
Chassis ID: M748 37585 VIN: 1M2AX07C9JM037585 Work Order: 00000	🤤 Product 🥑 Online

🔚 🤹 📰

8

.

9

0

Ξi

へ lea (c, (小)) 3:48 PM 12/22/2021 **そ**8

٩

•