# Helpful Tips for Technicians Performing Warranty Reprogramming Events

When reprogramming a vehicle module, technicians should follow these simple steps to avoid issues.





2 Service Programming System					
Supported Controllers					
Select Controller         K43       Power Steering Control Module         B233B       Radar Sensor Module - Long Range         A11       Radio         K40D       Seat Memory Control Module         K40D       Seat Memory Control Module - Driver         K56       Serial Data Gateway Module         K73       Telematics Communication Interface Control Module         K71       Transmission Control Module         Select Function / Sequence       Programming         Setup       MCVM Operationse         Select Programming Type       Normal         VC1       VC1	<ul> <li>ON THIS SCREEN:</li> <li>Make sure that the CORRECT controller is selected. If following a bulletin, find the EXACT match for the code and description contained in the bulletin.</li> </ul>				
Print ECU Data	< Back Next > Cancel				



If the Bulletin calls for both Programming and Setup, BOTH events must be completed. Note the SPS Warranty Claim Code on the job card corresponding to each event.

#### Service Procedure

## **BULLETIN EXAMPLE**

Note: Carefully read and follow the instructions below.

- 1. Access the Service Programming System (SPS) and follow the on-screen instructions.
- 2. Perform K71 Transmission Control Module Programming and follow the on-screen instructions.
- 3. Perform K71 Transmission Control Module Setup and follow the on-screen instructions
- 4. With a scan tool, clear DTC's from the K71 Transmission Control Module.



When reprogramming is complete, SPS will provide a Warranty Claim Code:



When the job card has two or more separate reprogramming events, such as two different recalls requiring programming of two different modules, make sure it is clear to your Warranty Administrator which Warranty Claim Code is associated with which event.



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If you are blocked from performing a reprogramming event because SPS identifies that the module already has the correct calibration, and the message provides a Warranty Claim Code, note this information and the code on the job card.

Electronic Brake Control Module Controller   d Control # Selected #	EXAMPLE: Same Calibration		
K17     1     84579570     Operating System       2     84424828     New calibration for various improvements for Driver Mode Control 'DMC'	and Full Speed Range Adaptive Cruise Control FSRACC' functions.		
SCREEN: CTLY and LEGIBLY ent the Warranty Code on the job card.	ng System  Vou are attempting to reprogram with the same calibration. Not allowed for the selected ECU. Please to cord Warranty Claim Code: 2814245773 OK		
Vehicle Data Attribute	Value		

NOTE: With select recall events, SPS will allow you to continue with a programming event even if the correct program is detected. In those cases, Click OK and proceed with reprogramming and document the Warranty Claim Code provided on the Action Complete screen.



Multiple Reprogramming Events: If a bulletin calls for reprogramming more than 1 module, ALL reprogramming events must be completed. Document the SPS Warranty Claims Code provided after <u>each</u> successful event on the job card. When the claim is submitted to GM, GM will check SPS logs to validate that all events have been completed. If any are missing, the claim will be rejected and the required service procedure will need to be completed.

## **BULLETIN EXAMPLE**

### #N192211740-01: Customer Satisfaction Program - Super Cruise Software Update

Note: If the Same Calibration/Software Warning is noted on the SPS Summary screen, record the warranty claim code (WCC) and select OK a WCC is located in the Service Programming System dialogue box of the SPS Summary screen. No further action is required. Refer to the

1. Reprogram the Active Safety Control Module. Refer to K124 Active Safety Control Module: Programming and Setup (for K124A and K124B

- 3. Navigate in GDS2 to the Digital Map Module and enter the Data Display screen.
- 4. Verify that the Digital Map Version is 84743195 or a later (numerically higher) version as shown.
  - If the Digital Map Version is 84743195 or a later (numerically higher), proceed to step 5, but **do not** perform the USB Map Update.
     If the Digital Map Version is lower than 84743195, proceed to step 5 and perform the USB Map Update.

5. Reprogram the Digital Map Control Module. Refer to K179 Digital Map Control Module: Programming and Setup in SI.



If you forget to document the Warranty Claim Code, or are informed by your Warranty Administrator that the Warranty Claim Code is rejecting as invalid, return to SPS to retrieve the correct Code associated with the reprogramming event.

- 1. Select and start "Service Programming System (SPS)"
- 2. Select "Settings"
- 3. Select "Warranty Claim Code" tab

Service Programming System		_					
_		Select Diagn	ostic Tool and Programn	ning Process			
Service Programming System							
			Settings				
Common Diagnostic Logging Settings Warranty Claim Code							
	VIN	Module	Function	Warranty Claim Code	Date/Time		
	2GNAXKEV3K6175702	A11 - Radio	USB File Transfer	8022184095	6/17/19 12:16:25 PM EDT		
	1G1ZF5SU2KF101939	P16 - Instrument Cluster	Setup and Configuration	0S21889883	6/10/19 8:38:33 AM EDT		
	2GNALCEKXH6199057	ECM - Engine Control Mo	Setup (Automatic Trans	FD21268905	5/23/19 12:05:49 PM EDT		
marra 2 (66)	3GTU2VEC1FG385665	K20 - Engine Control Mo	Setup	FD21268020	5/23/19 11:52:19 AM EDT		
	2GNALBEK3H1550110	ECM - Engine Control Mo	Setup (Automatic Trans	FD21267721	5/23/19 11:48:12 AM EDT		
	3GCUKREHXFG118379	K20 - Engine Control Mo	Setup	FD21267422	5/23/19 11:44:24 AM EDT		
	1GTV2MECXGZ263337	K20 - Engine Control Mo	Setup	FD21267072	5/23/19 11:40:30 AM EDT		
	1G6AG5RX8G0158953	K20/K71 - Engine and Tr	Engine Control Module S	FD21266752	5/23/19 11:36:00 AM EDT		
	1GTV2MEC7GZ428390	K20 - Engine Control Mo	Setup	FD21266374	5/23/19 11:30:08 AM EDT		
	1G6AX5SS8G0119004	K20/K71 - Engine and Tr	Engine Control Module S	FD21265914	5/23/19 11:23:19 AM EDT		
	1GTV2UEC4FZ391572	K20 - Engine Control Mo	Setup	FD21265350	5/23/19 11:15:52 AM EDT		
1	3GCUKREC5GG253940	K20 - Engine Control Mo	Setup	FD21264879	5/23/19 11:10:32 AM EDT		
	1GCVKREH5GZ41389 :03:47 AM ED						
1	:58:19 AM EDT						
IGCVKREH2GZ2123E ON THIS SCREEN.							
1	1G6AN1RY8G018089				:31:14 AM EDT		
1	1G1ZE5ST4GF21472	arough and	Locato the				
	KL4CJ1SM7GB65028		nough anu		:17:48 AM EDT		
1GKS2AKC7GR18314							
	IGTV2NECXGZ16574 EVENT by VIN, date and module. 105:20 AM EDT						
	2GKALPEK7H629971		58:53 AM EDT				
164GB5G34GF14418 Document the Warranty Claim							
	3GTU2WEC4FG32665	3GTU2WEC4FG32665					
1GKS2FKC3GR11575 Code on the job card 22:1							
	16CVKSEC0GZ13621 COUC ON THE JOB Card. 17:01						
	2GKALNEK7H615632				12:21 AM EDT		
	1GTV2VEJ3FZ316320	K20 - Engine Control Mo	Setup	FD21256713	5/23/19 9:03:31 AM EDT		
	1GKS2AKC6GR241488	K20 - Engine Control Mo	Setup	FD21256288	5/23/19 8:54:53 AM EDT		
	1G11Z5SA9JU100100	K20 - Engine Control Mo	Setup	FD18809492	3/21/19 9:22:34 AM EDT		
-	1G11Z5SA9JU100100	K20 - Engine Control Mo	Setup	FD18809492	3/21/19 9:22:10 AM EDT		
Cancel Ok							
	1						
Print Settings							
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