

	Release Date:	August 2023	Revision:	00
Attention:	There are on	ly 2 VINs involved in this Safet	y Recall:	
	JALEEW160	P7301042		
	JALEEW162	P7300958		
	It is a violation vehicle equip noncompliand	n of Federal law for a dealer to del ment (including a tire) covered by ce is remedied.	iver a new motor vehicle or any ne / this notification under a sale or I	w or used item of motor ease until the defect or
	Vehicles invo N232396500. the vehicle is	lved in this recall were placed of Once the service procedure cor released from stop delivery and t	on stop delivery January 20, 202 tained in this bulletin has been pe he vehicle can be delivered to the	23 under Safety Recall rformed on the vehicle, customer.
	All involved v traded, or use on the vehicle	rehicles that are in dealer invento ed for demonstration purposes un e.	bry must be held and not delivere til the repair contained in this bulle	d to customers, dealer tin has been performed
	ONLY Chevr	olet Medium Duty dealers can o	complete this recall repair.	

		Mode	Model Year		Model Year		
Make	Model	From	То	RPO	Description		
Chevrolet	Low Cab Forward 5500HD/XD	2023	2023	EM2	200" Wheel Base		
	Medium City			ML5	212" Wheel Base		
	-			PCJ	ADAS System		

Involved vehicles are marked "Open" on the Investigate Vehicle History screen in GM Global Warranty Management system. This site should always be checked to confirm vehicle involvement prior to beginning any required inspections and/or repairs.

Condition
 Isuzu Motors Limited has decided that a defect, which relates to motor vehicle safety, exists in certain 2023 model year Chevrolet Low Cab Forward 5500HD/XD Medium Duty vehicles with 200 inch or 212 inch wheelbase. For these vehicles, the ADAS (Advanced Driver Assistance Systems) camera and ABS (Antilock Brake System) module were not calibrated according to the correct wheelbase. Therefore, when driving in a curve certain ADAS features and the ESC (Electronic Stability Control) system working together with the ABS module may not function properly. If the ADAS camera and ABS module are not calibrated to the correct wheelbase option, one or more of the following events could occur – in each case, increasing the risk of a crash:
 Automatic Emergency Braking System (AEBS) activation (as well as the AEBS warning light) may be delayed when driving in a curve and therefore the AEBS may then decelerate the vehicle more aggressively when activated.

Adaptive Cruise Control may reduce following distance by about 8-10 m when driving in a curve.
ESC may activate in an understeer condition without illuminating brake lights.

ESC may delay activation in an oversteer condition, increasing potential for an oversteer event to occur.
 Dealers will recalibrate (1) the ADAS camera to the correct wheelbase of the vehicles, and (2) the ABS
 module so the ESC system will function properly with the affected vehicles' wheelbases.

Parts

No parts are required.

Warranty Information

Labor		Labor	Trans.	Net
Operation	Description	Time	Туре	Item
9106529*	Reprogram Front View Camera and Anti-Lock Brake Control Module Reprogramming with SPS	1.5	ZFAT	N/A
9106742	Floor Plan Reimbursement – NEW INVENTORY ONLY	N/A	ZFAT	**

Note: To avoid having to "H" route the floor plan transaction for approval, it must be submitted prior to the repair transaction.



Floor Plan Reimbursement – NEW INVENTORY ONLY

USA Only – For vehicles eligible for floor plan reimbursement, the amount should be submitted in Net Item/Miscellaneous. This amount should represent the product of the vehicle's average daily interest rate (see table below) multiplied by the actual number of days the vehicle was in dealer inventory and not available for sale. This reimbursement is limited to the number of days from the date of the stop delivery message (January 20, 2023) to the date the repair is completed, and the vehicle is ready for sale (not to exceed 205 days).

	Floor Plan Reimbursement Amount				
Vehicle	USA				
2023 Chevrolet Low Cab Forward 5500HD/XD Medium City	\$11.82				

Note: There are only 2 VINs involved in this Safety Recall:

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JALEEW162P7300958

Important: * To avoid warranty transaction rejections, carefully read and follow the instructions below:

abour Operation Code:	
dditional labour op code information:	SPS Warranty Claim Code:

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- The Warranty Claim Code from the programming event must be accurately entered in the "Warranty Claim Code" field of the transaction.
- When more than one Warranty Claim Code is generated for a programming event, it is required to document all Warranty Claim Codes in the "Correction" field on the job card. Dealers must also enter one of the codes in the "Warranty Claim Code" field of the transaction, otherwise the transaction will reject. It is best practice to enter the FINAL code provided by SPS2.

Warranty Claim Code Information Retrieval

K3 - Feindade Control Module Control Module K3 - Body Control Module Programming test K5 - Serial Data Gateway Module Programming test driver K5 - Serial Data Gateway Module Programming test driver test driver		VIN	Module	Function	Warranty Claim Code	Job Card	ect Tool
KS - Body Control Module Programming test Image: State of the st	va Vers 📲		K/3 - Telematics Communication Interface Control Module	Activation		test	
KS - Automatic Level Control Module Off second seco			K9 - Body Control Module	Programming		test	
K56 - Serial Data Gateway Module Programming the default statement of the set driver			K5 - Automatic Level Control Module Ignition	Off		test driver	
			K56 - Serial Data Gateway Module	Programming		test driver	
	<					>	
OK Cancel						Ok Cancel	
			_				



- 1. Open TLC on the computer used to program the vehicle.
- 2. Select and start SPS2.
- 3. Select Settings (1).
- 4. Select the Warranty Claim Code tab (2).

The VIN, Warranty Claim Code and Date/Time will be listed on a roster of recent programming events. If the code is retrievable, dealers should resubmit the transaction making sure to include the code in the SPS Warranty Claim Code field.

Note: Carefully read and follow the instructions below.

- Ensure the programming tool is equipped with the latest software and is securely connected to the data link connector. If there is an interruption during programming, programming failure or control module damage may occur.
- Stable battery voltage is critical during programming. Any fluctuation, spiking, over voltage or loss of voltage will
 interrupt programming. Install a GM Authorized Programming Support Tool to maintain system voltage. Refer to
 www.gmdesolutions.com for further information. If not available, connect a fully charged 12 V jumper or booster
 pack disconnected from the AC voltage supply. DO NOT connect a battery charger.
- Follow the on-screen prompts regarding ignition power mode, but ensure that anything that drains excessive power (exterior lights, HVAC blower motor, etc) is off.
- Clear DTCs after programming is complete. Clearing powertrain DTCs will set the Inspection/Maintenance (I/M) system status indicators to NO.

Important: The service technician always needs to verify that the VIN displayed in the TLC left side drop down menu and the top center window match the VIN plate of the vehicle to be programmed prior to using Service Programming System 2 (SPS2) for programming or reprogramming a module.

- For the TLC application, service technicians need to always ensure that the power mode (ignition) is "ON" before
 reading the VIN from the vehicle's VIN master module and that they do not select a VIN that is already in the TLC
 application memory from a previous vehicle.
- If the VIN that shows up in the TLC top center window after correctly reading the VIN from the vehicle does not match the VIN plate of the vehicle, manually type in the VIN characters from the vehicle VIN plate into the TLC top center window and use these for programming or reprogramming the subject module with the correct vehicle VIN and software and/or calibrations.
- The Engine Control Module (ECM) is the master module (for VIP vehicles) that TLC reads to determine the VIN of the vehicle. If the VIN read from the vehicle by TLC does not match the VIN plate of the vehicle, the ECM also needs to be reprogrammed with the correct VIN, software and calibrations that match the vehicle's VIN plate.
- The Body Control Module (BCM) is the master module (for GEM vehicles) that TLC reads to determine the VIN of the vehicle. If the VIN read from the vehicle by TLC does not match the VIN plate of the vehicle, the BCM also needs to be reprogrammed with the correct VIN, software and calibrations that match the vehicle's VIN plate.

Caution: Be sure the VIN selected in the drop-down menu (1) is the same as the vehicle connected (2) before beginning programming.

N232396501 ABS Module and Frontview Camera Module Reprogramming



Techline Connect	-
Techline Connect	SKG Widdenses case Connect Vehicle \$\$\$1 hewrolet • Suburban - 4WD Connect Vehicle \$\$\$1
DASHBOARD GDS2 SI SPS2	Support - RPO - Search Service Manu
SPS2	
Welcome to Service F	Programming System 2
VIN: IGNSKGKUMMANA GWD	Diagnostic Tool Readyl
Make: Chevrolet	Selected Programming Process Reprogram
Vear: 2021 Job Card:	
Auto Detect New Vehicle Manually Enter Vehicle	Auto Detect Tool
Java Version: SP 52 Version: Windows Version: 2.8.5.5060 Windows 10	
Print Settings	5743643

Important: If the vehicle VIN DOES NOT match, the message below will be shown.

							620			
4 v v d v	VARNING /IN read fr lamaging vish to pro	: You have s rom the vehi the vehicle a pceed?	elected a V cle. Procee ind/or safet	IN diffe ding co y conce	rent fro uld lea erns. D	om the d to o you				
Hine Connect Techlin Version: 1.6/ ASHBOARD	e Connect 0 Validation GDS2	SI SPS2	~	Yes	MDI 2 S Click	ancel	58 [.]	77000) 📚	O Admusels	
52									_	×
Controller	D	Programming	M4521: You are attempting t calibration. Select OK to continue, Cance	to reprogram with the	e same		Description			
	1	84820771		OK	Cancel					
	3	84820797	84820797	- Dectronic D		teration.				
	4	84820801	84820801		ale fatherine					
	5	84820808	84820808	- 0.1	tala alteria					
		84820819	84820819	Tree Processor	Calibration					
	6	84820825	84820825							
	6	84820825	84820825							
	6	84620825	84620825						<u>VIN:</u>	

Important: Techline Connect screens shown above.

Important: If the same calibration/software warning is noted on the TLC Summary screen, select OK and follow screen instructions. After a successful programming event, the WCC is located in the Service Programming System dialogue box of the SPS Summary screen. No further action is required. Refer to the Warranty section of the bulletin.

The following procedure was intended to be performed indoors. If your circumstances do not allow you to program the Front view Camera Programming indoors, an alternative, outdoor procedure is available. However, this indoor procedure is preferable.

This procedure will instruct you how to program the Front view Camera by establishing the centerline of the vehicle, determining the amount of offset of the Front view Camera, properly positioning the Front view Camera Target parallel to the front of the vehicle, and completing the procedure by entering three measurements taken during the procedure into IDSS.



Carefully read the following procedure before performing it. Then, perform all the steps in order and exactly as written.

Important:

• The scan tool used for this procedure must be the same from start to finish. If the scan tool is changed midway, the procedure will fail.

• Do NOT touch the camera lenses.

• The vehicle should be unloaded (no cargo) and no one should be in the vehicle while performing this procedure. Use IDSS from outside the driver's door.

• Use masking tape on the floor to mark on to avoid permanently marking the floor.

• Be sure the tires installed on the vehicle are all the same size and meet the original manufactured specification. Tire sizes other than the OEM specification may cause the ADAS system to not function properly. Do not program the Front view Camera until the correct tires are installed on the vehicle.

• Due to the time requirements of programming, it is recommended that an external power source be used to maintain system voltage. Stable battery voltage is critical during programming. Any fluctuation, spiking, over voltage or loss of voltage will interrupt programming.

To ensure trouble-free programming, it is recommended to use one of the following external power sources:

- A Midtronic PCS charger
- A fully charged 12V jumper or booster pack disconnected from the AC voltage supply

Special Tools and Supplies

- J-53207 Laser Measuring Tool
- J-53325 Cross-line Laser Level
- GE-53292 Plumb Bob/ Twisted Link Set (2 included)
- GE-53206 Stereo Camera Target
- GE-53291 Target Stand

Note: All measurements taken and input in this procedure MUST be in metric units (e.g., millimeters).

Service Procedure

Note: There are only 2 VINs involved in this Safety Recall:

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- Ensure the Vehicle is not loaded. Position the vehicle on a flat, even, hard, and level surface. Ensure that there is at least 8.0 Meters (26.5 feet) of flat, even, hard, and level surface directly in front of the vehicle. This area must be clear of all objects (shop equipment, poles, other vehicles, etc.) at least 2 meters (6.5 feet) from each side of the centerline of the front of the vehicle. Ensure the parking brake is set.
- 2. Ensure that the windshield is clean, and the wheels are straight ahead.



3. Ensure that the tire size is correct for the vehicle and the tire pressure on all tires has been adjusted to proper specifications.



Figure 2



- 4. Locate the hole behind the steering gear on the Left-Front of the frame.
- 5. Pass one of the Plumb Bob (Special Tool GE-53292) strings through the hole from the outside of the frame.

Reprogramming



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6. Pull the Plumb Bob string through until the point of the weight is barely above the floor. Tie off the string by looping it around the bolts as shown.



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- 7. Locate the matching hole on the passenger side of the frame, which is behind the air conditioning condenser assembly.
- 8. Pass the string of the other Plumb Bob (Special Tool GE-53292) through the hole from the outside of the frame.

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9. Pull the Plumb Bob string through until the point of the weight is barely above the floor. Tie off the string by looping it around the bolts as shown.



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10. Refer to the picture above for an illustration of both Plumb Bobs correctly in place.



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11. Place masking tape underneath each Plumb Bob weight point. When each of the Plumb Bob weights is still, mark each piece of masking tape with an X directly under the points as shown.



- 12. When completed there should be 2 Xs under the vehicle as shown labeled A and B.
- 13. Remove both Plumb Bobs from the frame holes.

PLUMB BOB STRING SET UP

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14. If not already completed per the special tool instructions, make two overhand loops in one of the Plumb Bob strings as shown. The overall length from loop to loop when stretched taut should be approximately 54cm.

ESTABLISHING CENTERLINE OF VEHICLE

Important: When performing Steps 15 - 20, it is critical that the looped string be held taut. Also, the exact position of the loops on the marker pen and the Plumb Bob point must be kept the same for each Step. Finally, both the Plumb Bob point and the marker pen should be kept completely straight up while performing each Step.



NOTE: When performing Steps 15 – 20, refer to the picture above.

15. Using the Plumb Bob weight point, hold one of the loops steadily on Point (A) made on the passenger's side of the vehicle. Place the capped marker pen into the other loop and put the string taut. Pull the taut string towards to the rear-center of the vehicle to make an estimation of where the masking tape should be for marking the floor and put down a piece of masking tape.





- 16. Perform Step 15 again, but with the marker pen uncapped, to create about a 3-inch arc on the masking tape at Point (C).
- 17. Perform Steps 15 and 16 towards the front-center of the vehicle to create a marked arc on the floor at Point (D).
- 18. Place the point of the Plumb Bob weight into one loop with the point lightly pressed down directly on the center of Point (B) made on the driver's side of the vehicle. Place the capped marker pen into the other loop and pull the string taut. Pull the taut string towards to the rear center of the vehicle to determine if more masking tape is needed on the floor. Lay down more masking tape as necessary.
- 19. Perform Step 18 again, but with the marker pen uncapped, to create about crossed arc at Point (C) on the floor.
- 20. Perform Steps 18 and 19 towards the front-center of the vehicle to create a crossed arc at Point (D) on the floor.
- 21. From about three feet in front of the vehicle use the Cross-Line Laser Level (Special Tool J-53325) to establish the centerline of the vehicle by placing the tool on the floor, turning it on, and aiming the beam directly through the intersection of both points C and D.

NOTE: Ensure that enough room is left from the front of the bumper to the Cross-Line Laser Level to allow for about a 12-inch strip of masking tape laid on the floor lengthwise with the vehicle.



NOTE: When performing Steps 21 – 22, refer to the picture above.

22. With the Cross-Line Laser Level still in place, put down a 12-inch piece of masking tape lengthwise under the laser beam directly in front of the Cross-Line Laser Level. Trace the laser beam line onto the piece of masking tape with a marker pen. This is the Center of the Vehicle reference mark.

Establish Camera Offset







NOTE: For Steps 23 – 29, refer to picture above as a reference.



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23. With the Cross-Line Laser Level still in place, lay an approximately 16" strip of masking tape horizontally on the windshield about 4 inches above the front view camera.



- 24. Use a piece of cardboard angled above the masking tape to reflect the laser beam as shown. Use the laser light to mark the center of the vehicle on the masking tape with two dots above each other. Use a ruler to connect the dots into a straight line with a ball point pen. Label this line as the centerline of the truck (C.T.).
- 25. Use the mount for the Cross-Line Laser Level to attach it to the end of the Target Stand (Special Tool GE-53291) as shown. Which way the laser will have to be mounted depends on how high the Front View Camera is mounted on the vehicle you are servicing.





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Note: Adjust the Cross-Line Laser Level height as close as possible to the center of the left (passenger) Front View Camera lens. If the laser beams flash at any point during Steps 26 and 27, the Cross-Line Laser Level MUST be adjusted so that the angle and height of the horizontal laser beam is more level with the Front View Camera lens.

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26. Point the Cross-Line Laser Level at the passenger side Front View Camera lens and adjust the laser until the passenger side lens is bisected vertically and horizontally.





- 27. Trace the vertical laser beam over the center of the passenger side lens onto the strip of masking tape over the camera with a ball point pen. Mark this line as the center of the lens (C.L.).
- 28. Keeping the ruler or tape measure parallel with the floor, measure 80mm towards the driver's side from the center of the lens line and make a dot with a ball point pen. This is the center of the camera. (Mark the dot center of camera (C.C.).
- 29. Measure the distance between the center of the truck (C.T.) and the center of the camera (C.C.) in millimeters and write it down for later use. This measurement is the camera offset of the vehicle.

Establish Camera Height

30. Ensure that the Cross-Line Laser Level is still bisecting the passenger side Front View Camera Lens as shown. Adjust the laser as necessary.



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- 31. Place the end of a tape measure on the floor. Extend the tape measure straight upwards. Record where the horizontal laser beam crosses the tape measure and write it down for later use. This is the height of the camera.

Set Up Target

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32. Remove the Cross-Line Laser Level from the Target Stand and the mount. Place the Cross-Line Laser Level on the floor and turn it on facing forward from the front of the vehicle. Align the laser beam with the Vehicle Centerline reference mark made on the floor in Step 22.



33. If not already completed per the special tool instructions, attach the Stereo Camera Target (Special Tool GE-53206) to the Target Stand (Special Tool GE-53291). Refer to the picture above and adjust the height of the target so that both ends of the target position line are 1,000mm (1m) above the floor.

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34. Tape the Plumb Bob string without the loops to the top of the Target Stand. The Plumb Bob string must pass directly through the center of the Target (over the small center mark) as shown above. The Plumb Bob weight point should barely be off the floor.

Establishing Target Distance for 4650mm (+/- 20mm)

Note: Adjusting the Target distance should be done by two people.

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35. Turn on the Laser Measuring Tool (Special Tool J-53207) and place it against the center of the vehicle's front bumper cover facing forward. See picture above.



- 36. Using the Laser Measuring Tool, place the center of the Target 4,650 mm (+/- 20 mm) from the center of the front bumper cover.
- 37. Adjust the Target until the Cross-Line Laser Level beam is directly over the Plumb Bob string and the small center mark shown.

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- 38. Ensure that the middle of the target is still 4,650 mm (+/- 20 mm) from the vehicle's front bumper cover. Adjust the target as necessary. Apply about a 2-foot length of masking tape to the floor centered under the Plumb Bob point, running lengthwise with the laser beam. Mark the masking tape with an X directly underneath the point of the Plumb Bob weight.



39. Use a ruler or piece of cardboard tilted an angle to see the laser beam on the masking tape. (See Figure 29.) Establish two different points of the laser beam about 1 foot apart on the lengthwise masking tape with a dot from the marker pen. Connect the two dots with a straight edge and mark a line.



Establishing Target Distance for 7650mm (+/- 20mm)

NOTE: Adjusting the Target distance should be done by two people.



- 40. Using the Laser Measuring Tool, place the center of the Target 7,650 mm (+/- 20 mm) from the center of the front bumper cover.
- 41. Adjust the Target until the Cross-Line Laser Level beam is directly over the Plumb Bob string and the small center mark shown.



42. Ensure that the middle of the target is still 7,650 mm (+/- 20 mm) from the vehicle's front bumper cover. Adjust the target as necessary. Apply about a 2-foot length of masking tape to the floor centered under the Plumb Bob point, running lengthwise with the laser beam. Mark the masking tape with an X directly underneath the point of the Plumb Bob weight.

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- 43. Use a ruler or a piece of cardboard tilted an angle to see the laser beam on the masking tape. Establish two different points of the laser beam about 1 foot apart on the lengthwise masking tape with a dot from the marker pen. Connect the two dots with a straight edge and mark a line.
- 44. Move aside the Target.



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45. Use the ruler to mark a spot 6 inches in either direction from the center Plumb Bob X on the line made on the floor in Step 42.

Important: When performing Steps 46 - 48, it is critical that the looped string be held taut. Also, the exact position of the loops on the marker pen and the Plumb Bob point must be kept the same for each Step. Finally, both the Plumb Bob point and the marker pen should be kept completely straight up while performing each Step.

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NOTE: When performing Steps 46 – 48, refer to the picture above.

- 46. Using the Plum Bob string with the loops, place the Plumb Bob weight point in one loop exactly in the center of Point (A). Put the capped marker pen in the other loop. Keep the string taut and move the pen to the left (the vehicle's driver's side). Apply a piece of masking tape on the floor where the arc at Point (C) will be made.
- 47. Uncap the pen, keep the line taut and the Plumb Bob weight point in the other loop and create an arced line on the masking tape at Point (C).
- 48. Use the process described in Steps 41 and 42 to create a crossed arc at Point (C) from Point (B).
- 49. Perform Steps 45 through 48 on the 4,650mm (+/- 20mm) distance line created at Step 39.

Square the Target to the Vehicle

- 50. Place the laser beam from the Cross-Line Laser Level through the exact center of the Plum Bob X and arc C. The laser beam line is exactly perpendicular (90°) to the centerline of the vehicle.
- 51. Move the Target back in place at 4650mm (+/- 20mm). Align the Plumb Bob weight point with the X made in Step 38. Use the Laser Measuring Tool to ensure that the Target is 4,650 mm (+/- 20 mm) from the center of the vehicle's front bumper cover.

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52. Lift the Plumb Bob over the back of the Target and coil the string to keep the Plumb Bob Assembly from appearing anywhere in the Target as shown.



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- 53. Move the Cross-Line Laser Level tool beam through the 90° marks from right to left as shown in Figure 40. Align the Target Stand with the laser beam as shown in Figure 42 and lock the casters of the Stand on that side. Move the Cross-Line Laser Level 180° (from left to right as shown.) Adjust the frame of the Target Stand as shown and lock the casters on that side.
- 54. Connect MDI2 and start Techline Connect.
- 55. Reprogram the front view camera. Refer to Front View Camera Programming in SI.
- 56. After a successful learn procedure, IDSS will prompt you to move the target out to a distance of 7,650mm (+/- 20mm) for a camera inspection. Move the Target back in place at 7,650mm (+/- 20mm). Align the Plumb Bob weight point with the X made in Step 38. Use the Laser Measuring Tool to ensure that the Target is 7,650 mm (+/- 20 mm) from the center of the vehicle's front bumper cover.
- 57. Follow Steps 50 through 52 to square the Target to the vehicle at 7,650mm (+/-20mm).
- 58. Lift the Plumb Bob over the back of the Target and coil the string to keep the Plumb Bob Assembly from appearing anywhere in the Target as shown.
- 59. Follow the prompt to complete the camera inspection portion.
- 60. Reprogram the anti-lock brake control module. Refer to Anti-Lock Brake Control Module: Programming and Setup in SI.

Dealer Responsibility - For USA & Export (USA States, Territories, and Possessions)

It is a violation of Federal law for a dealer to deliver a new motor vehicle or any new or used item of motor vehicle equipment (including a tire) covered by this notification under a sale or lease until the defect or noncompliance is remedied.

The US National Traffic and Motor Vehicle Safety Act provides that each vehicle that is subject to a recall of this type must be adequately repaired within a reasonable time after the customer has tendered it for repair. A failure to repair within sixty days after tender of a vehicle is prima facie evidence of failure to repair within a reasonable time. If the condition is not adequately repaired within a reasonable time, the customer may be entitled to an identical or reasonably equivalent vehicle at no charge or to a refund of the purchase price less a reasonable allowance for depreciation. To avoid having to provide these burdensome remedies, every effort must be made to promptly schedule an appointment with each customer and to repair their vehicle as soon as possible. In the recall notification letters, customers are told how to contact the US National Highway Traffic Safety Administration if the recall is not completed within a reasonable time.



Dealer Responsibility – All

All new, used, GM Certified Used, courtesy transportation vehicles, dealer shuttle vehicles, etc. in dealers' possession and subject to this recall <u>must</u> be held and inspected/repaired per the service procedure of this bulletin <u>before</u> customers take possession of these vehicles. Involved vehicles must be held and not delivered to customers, dealer-traded, released to auction, used for demonstration, or any other purpose.

All GM Certified Used vehicles currently in the dealers' inventory within the Certified Pre-Owned Inventory System (CPOIS) will be de-certified and must be held and remedied per the service procedure in this bulletin. Upon submitting an accepted/paid warranty transaction in the Global Warranty Management (GWM) system, the vehicle can be re-certified for sale within the CPOIS system, or once again be used in the CTP program.

Dealers are to service all vehicles subject to this recall at no charge to customers, regardless of mileage, age of vehicle, or ownership, from this time forward.

Customers who have recently purchased vehicles sold from your vehicle inventory, and for which there is no customer information indicated on the dealer listing, are to be contacted by the dealer. Arrangements are to be made to make the required correction according to the instructions contained in this bulletin. A copy of the customer letter is provided in this bulletin for your use in contacting customers. Recall follow-up cards should not be used for this purpose, since the customer may not as yet have received the notification letter.

In summary, whenever a vehicle subject to this field action enters your vehicle inventory you must take the steps necessary to ensure the program correction has been made before selling the vehicle. In addition, for vehicles entering your facility for service, you are required to ensure the customer is aware of the open field action and make every reasonable effort to implement the program correction as set forth in this bulletin prior to releasing the vehicle.

Dealer Reports – For USA & Export

For dealers with involved vehicles, a listing has been prepared and will be available through GM GlobalConnect Maxis Field Action Reports or sent directly to export dealers. The Inventory tab of the dealer reports will contain VINs that apply to this recall. This information is intended to assist dealers with the **PROMPT COMPLETION** of these vehicles. The Customer In-Service tab will contain customer names and addresses from Motor Vehicle Registration Records. The use of such motor vehicle registration data for any purpose other than follow-up necessary to complete this recall may be a violation of law in several states.

GM bulletins are intended for use by professional technicians, NOT a "<u>do-it-yourselfer</u>". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the tools, equipment, safety instructions, and know-how to do a job properly and safely. If a condition is described, <u>DO NOT</u> assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your dealer for information on whether your vehicle may benefit from the information.



We Support Voluntary Technician Certification