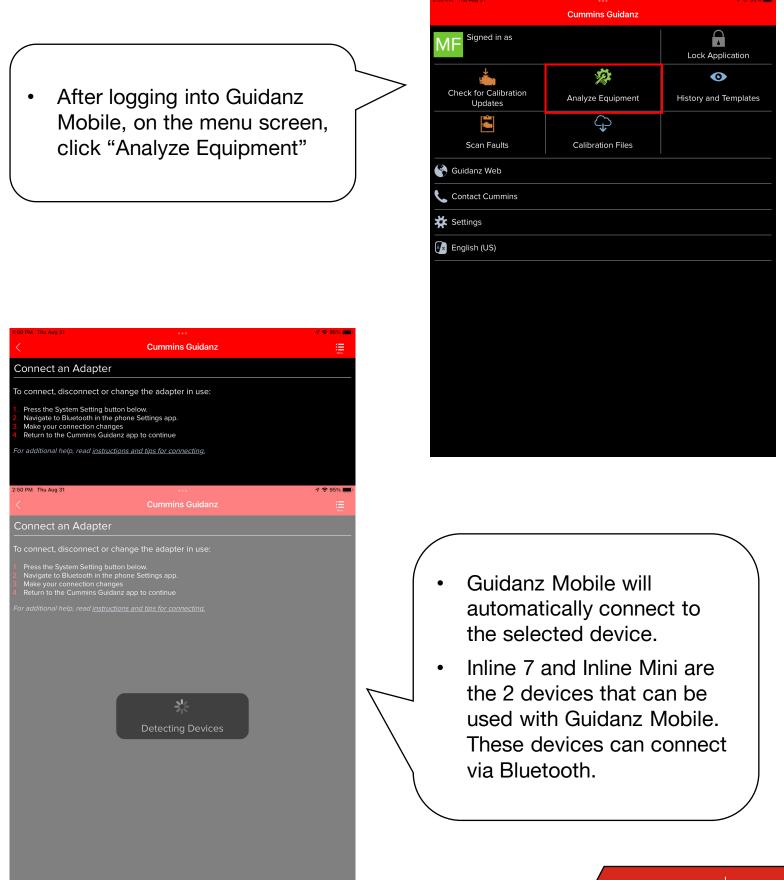
#### Mobile Based – Diagnostic Session





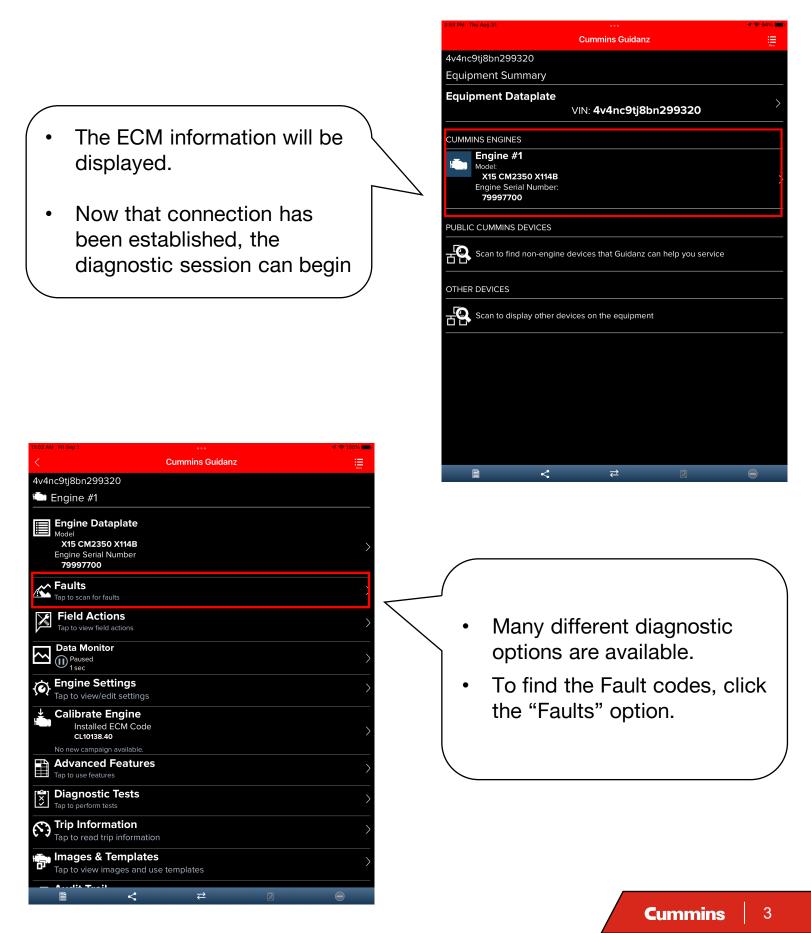
- Once connected, some information will need to be entered to create the job.
  - Customer Name
  - Odometer/Engine hours
  - Complaint
  - To create the ECM image, toggle the switch so it shows green

8:31 AM Thu Oct 19	eee 🛜 100% 📖	
	Cummins Guidanz	
Pick the Equ	uipment Manufacturer	
INTERNATIONA	L.	
JUNTTAN		
KALMAR INDUS	GTR	
KAMAZ		
KENWORTH	From ECM 🗸	
KENWORTH ME	EX	
KME KOVATCH		-
LINK BELT		
МАСК	8:43 AM Thu Oct 19	হ 10
MONACO COA	Cummins Guidanz	
NEW HOLLAND	Pick the Equipment Model	
NEWMAR	Kenworth Model	
NIMR	 C500	
NORDCO	C500 CONST	
PETERBILT		
PETTIBONE	 T2000	
PIERCE		
ROTOCHOPPEI		
RPMTECH		
SPARTAN	 T660 From	m engine ECI
STERLING		
SUTPHEN		

	Cummins Guidan:	z	
Equipment Inform	nation		
	diagnostics data, first we need	some information.	
Engine Serial Numbe	r		
79997700			
All Cummins ESNs are	e 8 digits long		
Customer Name			
Guidanz Mobile			
Customer Unit Numb	ber		
Ddometer/Engine ho 75000	urs	hrs	mi
Complaint or Other N	lotes		
CEL			
522			
Create ECM Image			
vent Number		WO-2023	0001 1059
		WO-2023	0901-1056
	Continue	>	
Đ			
	Continue ≮ ≓	>	
III			Ξ
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			Ð
			Ð

- Equipment Manufacturer and Equipment Model will need to be selected from the list provided.
  - Suggestions from the ECM will have a check mark beside them.

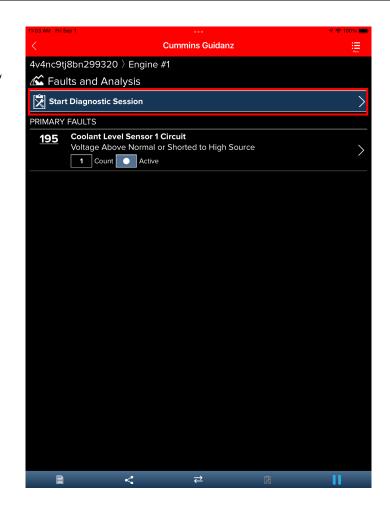
#### Mobile Based – Diagnostic Session





- Fault Codes will be listed as
   Primary, Related, and
   Unprioritized faults.
  - Primary Faults are critical faults that should be repaired first.
- Click the Start Diagnostic Session to begin troubleshooting.

11:04 AM Fri Sep 1			∢ 중 100% 💼
	Cummins Guidanz		
4v4nc9tj8bn299320			
Equipment Information			
CUSTOMER INFORMATION			
Customer Name**			
Guidanz Mobile			$\leftarrow$
Customer Unit Number			
000000000			$\stackrel{\checkmark}{\frown}$
ENGINE INFORMATION			
Engine Serial Number**			
79997700			$\bigcirc$
Service Model Name			
X15 CM2350 X114B			
Manufacturer			
PETERBILT			$\oslash$
Model			
579			$\oslash$
Odometer/Engine hours			
75000.0			hrs mi
OTHER INFORMATION			
Application			
AUTOMOTIVE			$\oslash$
Shop Work Order			
	Continue	>	
	*	Ŕ	Θ



- If not previously done, fill in the information about the job. The following fields can be filled in:
  - Customer Name
  - Unit Number
  - Odometer/Engine
     Hours
  - Shop Work Order



#### Mobile Based – Diagnostic Session

- Once in the diagnostic session, Fault codes will be displayed along with the ability to add fault codes or symptoms manually.
  - Click the Fault Code that diagnostics will be performed for.

11:14 A	AM Tue Sep 26	•••		🗢 61% 🔲
	Cummins Guidanz			
Ŷ	Diagnostic Sessions			
			×	$\bigcirc$
< F	Fault 145			
S	Solutions			
1.	Coolant temperature sensor circuit res	sponse		×
2.	Engine coolant temperature sensor cir	cuit respon	se check at the EC	см 🔀
$\otimes$	Close Diagnostic Session			$\rightarrow$
ø	View Session History			>

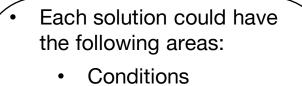
Close Drawe

11:04 AM Fri Sep 1				4 🗢 100% 🗖
		Cummins Guidanz		
4v4nc9tj8bn29	9320			
🛣 Faults and	d Analysis			
	<	₹	X	
Diagnostic Se G0002033	ession			
Sep 01, 2023 at 11:0	04:24 am			
PRIMARY FAULTS				
145 Engine	Coolant Temperature	1 Sensor Circuit		
🕱 View Solution	s			
📴 Add Manually				
😸 Close Diagnos	tic Session			
Diew Session I	History			

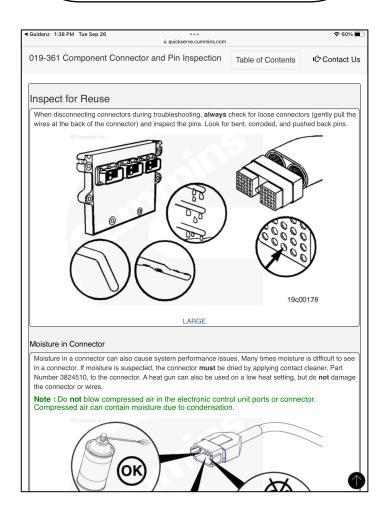
✓ Close Drawer

• The list of Solutions for the selected Fault Code will appear. Click the solution that needs to be worked.





- Actions
- Specification
- Linked Solutions
- Accessibility Checklist
- They can be opened and closed by clicking the arrow at the end of each area.



2:05 PM Wed Sep 20				1 🗢 85% 🔲
		Cummins Guidanz		
🛣 Diagnostic Se	ssions			Q
	<	*	Ŵ	
< Fault 145				
Coolant tempe	erature se	nsor circuit re	sponse (S000	000313)
	l			
				<u> </u>
ACTION				^
<ul> <li>Inspect the pins and co</li> <li>Refer to Procedure <u>019</u></li> </ul>		mage.		
<ul><li>Turn keyswitch ON.</li><li>Connect the recommer</li></ul>	nded Cummins®	electronic service too	l or equivalent.	
<ul><li>Wait 30 seconds before</li><li>Use the recommended</li></ul>			equivalent to read the	e fault codes.
SPECIFICATION				~ /
				<b>`</b>
		N:		
🛱 This is not a solutio	on. In-Spec			
뉟 Out-of-Spec. Repai	ir recommenc	led		
📋 Unable to perform	procedure			
Your comments are re	quired.			
		Submit	>	
Close Drawer				

- Any embedded link within the Solution will open the supporting information for that link.
  - Example of Procedure link in the Action section.

#### Mobile Based – Diagnostic Session

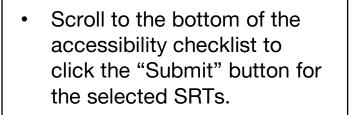
 An Accessibility Checklist is available in each solution step. Simply click the arrow to open.

Cummins Guidanz				
🔀 Diagnostic Sessions				
	×	Ż	⊜	
Fault 145 Coolant temperature sensor	circuit response (S000	000313)		
	г			
Check access items that were p	berformed for diagnosti	cs or repair		
08-033-00: Cab Heater Shutoff	Valve - Remove and In	stall, Each		
08-034-00: Cab Heater Supply	Return Fitting- Remo	ve and Install , Eac	h 🔵	
08-112-00: Fan Hub - Remove ar	nd Install			
08-114-00: Fan, Cooling - Remov	ve and Install			
08-134-00: Fan Drive Pillow Bea	rings - Remove and Ins	tall, Both		
08-136-00: Fan Guard, Shroud C	Circular Type - Remove	and Install, Each		
08-150-00: Fan Hub Pulley - Remove and Install				
08-310-00: Hose, Radiator, Lower - Replace				
08-410-00: Fan Hub - Inspect fo	r Reuse			
10-117-00: Air Cleaner Assembly	(Including Bracket) - Re	emove and Install,	Each	
10-145-00: Charge Air Cooler - Remove and Install (Cooler Repair)				
10-146-00: Charge Air Cooler - R	emove and Install (Part	t of Another Repair	)	
10-301-00: Air Cleaner Element -	- Replace, Each			
Close Drawer				

11:06 AM Fri Sep 1			1 🗢 99% 💼
	Cummins Guidanz		
4v4nc9tj8bn299320			
Faults and Analysis			
-	Ż 2	Ŕ	
	÷	×	
< Fault 195			
Coolant level sense	or circuit response	(2-wire) (S000	000817)
			<u> </u>
<ul><li>Turn keyswitch OFF.</li><li>Disconnect the engine coolant I</li></ul>	lovel sensor from the OEM wi	ring harposs	
Disconnect the engine coolant		ning harness.	
			~ /
ACTION			<u> </u>
SPECIFICATION			$\sim$
LINKED SOLUTIONS			$\sim$
			/
	UTION?		
🛱 This is not a solution. In-S	pec		
💆 Out-of-Spec. Repair recon	nmenaea		
Unable to perform proced	lure		
Your comments are required.			
	Submit	$\rightarrow$	
✓ Close Drawer			

 Move the slider beside the accessibility SRT that needs to be added to the diagnostic session. The slider will show green when it has been selected.





Cummins Guidanz		
🗴 Diagnostic Sessions		
	Ŕ	Θ
< Fault 145		
Coolant temperature sensor circuit res		
Disconnect the engine coolant temperature sensor from the	engine wiring harness	
ACTION		$\sim$
SPECIFICATION		$\sim$
		>
DOES THIS LOOK LIKE A SOLUTION?		
🕱 This is not a solution. In-Spec		
💆 Out-of-Spec. Repair recommended		
Unable to perform procedure		
Your comments are required.		
Submit	$\rightarrow$	
< Previous Solution		Next Solution >
Solution List		>
Fault Code List		>
Close Diagnostic Session		>
V Close Drawer		

1:36 PM Wed Sep 13			🕫 🗢 78% 🔳
	Cummins Guidanz	z	
🔀 Diagnostic Sessions			
	*	X	Θ
Fault 145 Coolant temperature sensor		000313)	
	[ 		
17-402-00: Engine Fuel Heater,	Electric - Check for Reu	ise	
17-403-00: Engine Oil Heater, E	lectric - Check for Reus	e	
17-702-00: Radiator Shutter Ass	embly - Check Operation	on	
17-903-00: Hood Latch Remove	and Install (Volvo Auto	motive Application	is)
19-110-00: Fuse - Remove and Ir	stall		() () () () () () () () () () () () () (
19-117-00: OEM Throttle Pedal -	Remove and Install		
19-301-00: Vehicle Brake Switch	- Replace		
19-302-00: Clutch Switch - Repl	ace		
19-304-00: Fault Lamp - Replace	9		
19-306-00: Vehicle Speed Sens	or (VSS) Sensor - Repla	ce	
20-302-00: Switch, Clutch - Rep	lace		
20-602-00: Clutch Switch, Engi	ne Brake - Adjust		
	Submit	>	
└── Close Drawer			

 A blue check mark will appear beside the Accessibility Checklist option once they have been added.



- Select the results of the troubleshooting performed for the solution step.
  - Click the appropriate slider to move
  - Enter comments with the keyboard.

2:32 PM Wed Sep 20	1 🗢 83% 💼
Cummins Guidanz	
Diagnostic Sessions	Q
	Θ
<pre><fault 145<="" pre=""></fault></pre>	
Solutions	
Coolant temperature sensor circuit response	×
<b>2.</b> Engine coolant temperature sensor circuit response check at the ECM	×
Close Diagnostic Session	>
👰 View Session History	>

Close Draw

11:06 AM Fri Sep 1			∢ 중 100% 🛑
Cun	nmins Guidanz	2	
4v4nc9tj8bn299320			
🕰 Faults and Analysis			
	₽	Ŕ	Θ
< Fault 195			
Technical Service Bulletin i	s availahlo	(500010985)	
		(300010303)	
CONDITIONS			$\sim$
ACTION			$\wedge$
Technical Service Bulletin is available.			
Refer to <u>tsb220195</u>			
SPECIFICATION			$\sim$
			$\rightarrow$
DOES THIS LOOK LIKE A SOLUTION?			
This is not a solution. In-Spec			
💆 Out-of-Spec. Repair recommended			
🔋 Unable to perform procedure			
Your comments are required.			
	Culturate		
	Submit		
			Next Solution >
Close Drawer			

- The result will be recorded on the list of solutions.
  - A red "X" mean that it was not the solution.
  - A green "✓" will appear for the solution repair is recommended.

Cummins 9



• When the solution that repair is needed for, click the slider for "Out of Spec. Repair recommended", enter comments, and click the "Submit" button.

Cummins Guidanz
🗴 Diagnostic Sessions 🔍 🔍
< Fault 145
Engine coolant temperature sensor circuit response check at the ECM (S00000319)
K REPAIR AND VALIDATION
REPAIR
Repair or replace <b>only</b> the components that were found to be out of specification.     Replace the ECM.     Refer to Procedure <u>019-031</u> Repair or replace the engine wiring harness.     Refer to Procedure <u>019-043</u>
VALIDATION
ACCESSIBILITY CHECKLIST
IS THIS THE RESOLUTION?
Repair Successful
+ Repair Successful with parts
😵 Repair Unsuccessful
🛞 Repair not Performed
Your comments are required.
Submit
Close Drawer

2:33 PM Wed Sep 20				1 🗢 83% 🔳
		Cummins Guidanz		
🔀 Diagnostic S	Sessions			Q
	<	*	×	Ξ
~		nture sensor cir	cuit respons	e check at
the ECM (S0	0000319)			
	N			
CONDITIONS				$\sim$
ACTION				
SPECIFICATION				<u> </u>
engine wiring harnes	ss disconnected:: ' gine wiring harnes	s has been detected if		
	CHECKLIST			>
DOES THIS LOOK LI	KE A SOLUTIOI	N?		
関 This is not a solu	ition. In-Spec			
💆 Out-of-Spec. Rep	pair recommend	ded		
📋 Unable to perfor	m procedure			
Fault code 144 did n	ot become acti	ve, need to replace	the ECM	
		Submit	>	
✓ Close Drawer				

 Guidanz will automatically navigate to the repair for the selected solution.



- Repair has sections that can be expanded. Some of these sections will have links to other documents.
  - Repair
  - Validation
  - Accessibility Checklist
- Click the slider for the result of the repair and enter comments.

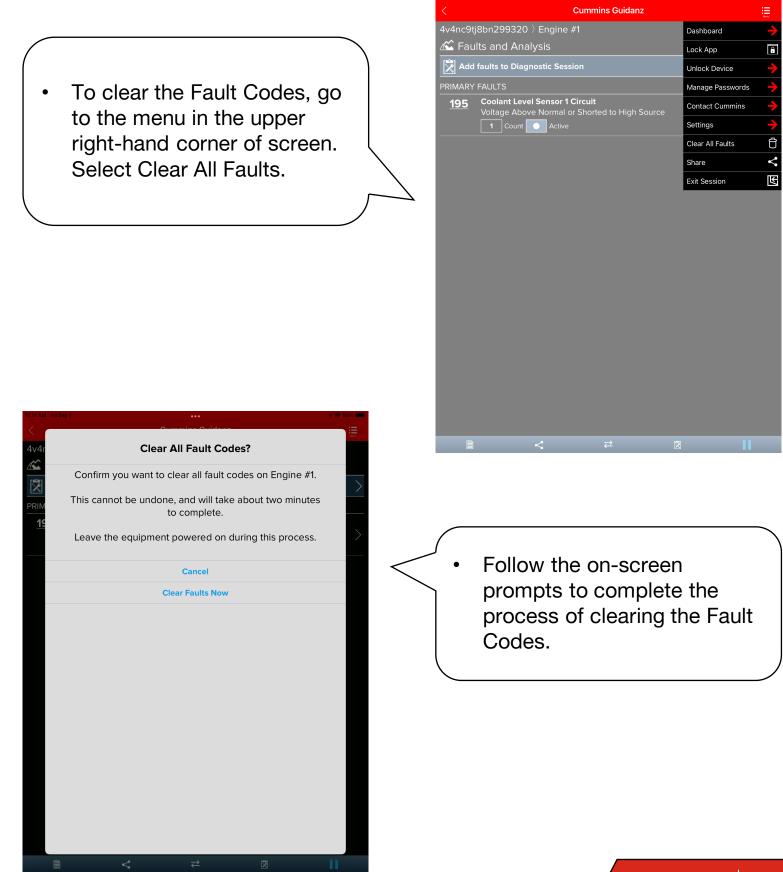
1:53 PM Tue Sep 19			🕈 🗢 91% 🔲
	Cummins Guidanz	Z	
🔀 Diagnostic Sessions			
	*	×	
<ul> <li>Fault 145</li> <li>Engine coolant temp the ECM (S0000031</li> </ul>		ircuit response	e check at
COMPONENTS			
Please select the components u	ısed in repair		
Electrical Connector			
Engine Control Module			
Engine Wiring Harness			
	Submit	>	
< Previous Solution			Next Solution $>$
Solution List			>
Fault Code List			>
🚫 Close Diagnostic Session			>
👰 View Session History			>

Close Drawe

1:53 PM Tue Sep 19			v ÷ si% <b>□</b> )
	Cummins Guidanz		
🔀 Diagnostic Sessions			
	*	X	Θ
< Fault 145			
Engine coolant temp		ircuit respons	e check at
the ECM (S0000031	9)		
🔀 REPAIR AND VALIDAT	ION		
REPAIR			
<ul> <li>Repair or replace only the compo</li> <li>Replace the ECM.</li> </ul>	nents that were found to be	e out of specification.	
Refer to Procedure 019-031			
<ul> <li>Repair or replace the engine wirir</li> <li>Refer to Procedure <u>019-043</u></li> </ul>	ig namess.		
VALIDATION			$\sim$
	ST		>
IS THIS THE RESOLUTION?			
+ Repair Successful with parts			
😵 Repair Unsuccessful			
🛞 Repair not Performed			
Replace ECM			
	Submit	<u> </u>	
Close Drawer			

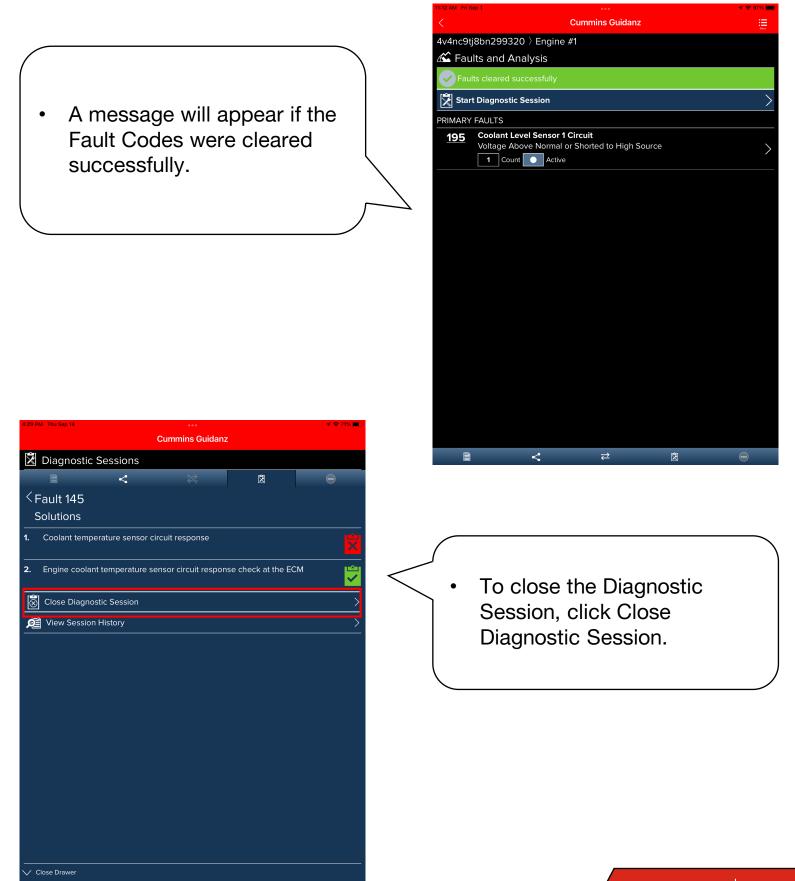
 Guidanz will automatically navigate to the repair for the selected solution.

#### Mobile Based – Diagnostic Session



Cummins 12

#### Mobile Based – Diagnostic Session



### **Guidanz® Diagnostic Toolkit**

#### Mobile Based – Diagnostic Session

	4v4nc9tj8bn299320
	🛣 Faults and Analysis
	<b>≧ &lt; </b> ∠ ⊠
	< Diagnostic Session
A list of reason why the	G0002033
session is being closed is	S CLOSE THIS SESSION
-	
available.	You are about to close the diagnostic session. Please select the resolution that solved the pro
$\langle \rangle$	Resolved in Guidanz
	Resolved by Campaign, TRP or TSB
	OEM issue
	Service location not authorized for repair
	Customer rejected
	Not reproducible
	Invalid Diagnostic Session
1113 AM Fri Seo 1 7 🗢 97% 💻	Resolved but solution was not found in Guidanz
1113 AM Fri Sep 1 · · · · · · · · · · · · · · · · · ·	COMMENTS
4v4nc9tj8bn299320 〉Engine #1	✓ Close Drawer
Faults and Analysis	
< Diagnostic Session	
Image: state of the set of	
Image: Session G0002033       Image: Session G0002033	
Image: Constraint of the second s	Select the appropriate
Image: Constraint of the second s	
Image: Construct Session G0002033       Image: Close THIS SESSION       Resolved in Guidanz       Resolved by Campaign, TRP or TSB	reason for closure, enter
Image: Constraint of the second constration of the second constraint of the second constraint of the se	
Image: Construct Session G0002033       Image: Close THIS SESSION       Image: Close THIS SESSION       Resolved in Guidanz       Image: Close THIS SESSION       DefM issue	reason for closure, enter
Image: state of the	reason for closure, enter
Image: Close this session good 2033       Image: Close this session good 2033   <	reason for closure, enter
Image: Close this session good 2033       Image: Close this session good 2033   <	reason for closure, enter
Image: Close this session good close this session good close this session   Image: C	reason for closure, enter
Image: market in the set of the	reason for closure, enter
Image: Close this session good 2033   Image: Close this session good 2033   Image: Close this session good 2033   Image: Close this session close the session of the	reason for closure, enter
Image: Imag	reason for closure, enter
Image: Close this session good code   Image: Good code<	reason for closure, enter
Image: Constant of the constant of	reason for closure, enter
Image: Constant of the service location not authorized for repair   Customer rejected   Not reproducible   Invalid Diagnostic Session   Resolved but solution was not found in Guidanz	reason for closure, enter
Image: Constant of the constant of	reason for closure, enter

 $\bigcirc$