



# SERVICE BULLETIN

Subject: TS45 Pressure Sensor Pinout  
Changing Bulletin

Bulletin Type: Field Fix Conditional

Bulletin No: TS45-FC-2518

PQR No: 500000007970

Rev No:00

Ref. No: 700004824

Vehicle Model: TS45

Flat Rate Time / Code: 70 min

Date of issue: 10.10.2025

Modify Before: 10.10.2028

What to do with off coming parts:

- Scrap
- Return
- Use with additional parts
- On consignment
- No off coming parts

What to do with outstanding parts of previous revision:

- Scrap
- Return
- Use with additional parts
- On consignment
- No outstanding parts

Description of the modification:

This bulletin aims to check and solve sensor  
HD128135 issue.

Bulletin Responsible: Ahmet Altın, Veli Sami Acar

Published & Approved By: Esin Arısoy

## SAFETY INSTRUCTIONS

### 1. Mechanical Requested Dress Code

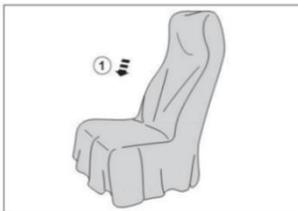


#### WARNING:

- Dress properly to avoid personal injury and damage to the vehicle

- ✓ Always wear protective clothing
- ✓ Do not wear any worn or loose-fitting clothing
- ✓ Remove jewelry before starting to work
- ✓ In case of long hair, use hairnet
- ✓ The illustration on the left shows some of the correct and incorrect clothing
- ✓ Sharp edged items should be avoided in order not to scratch vehicle (i.e. belts, watches, necklace)

### 2. Protect Seats when Mechanic Starts Working



- ✓ Seats, trimming, upholstery stuff and carpeting should be protected with appropriate coverings.

### 3. Welding on the Chassis

- a. Always disconnect the batteries (starting with the negative lead).
- b. Disconnect the connectors of electrical and electronic equipment (electronic control units, sensors and actuators) if they are less than 2 meters away from the chassis part to be welded or the earth terminal of the welding equipment.
- c. The earth terminal should never be attached to vehicle components such as engine, axles and springs. Arcing on these parts is not permitted, because of the risk of damage to bearings, springs, etc.
- d. The earth terminal must make good contact and be placed as close as possible to the part to be welded.
- e. Plastic pipes, rubber parts and parabolic springs should be well protected against welding spatter and temperatures higher than 70°.
- f. The contact switch must not be in the accessory or contact position. The contact key should be removed.
- g. Reconnect in reversed order of disconnecting. Ensure that a good earth connection is made between chassis, engine and cab.

## INCLUDING PART LIST

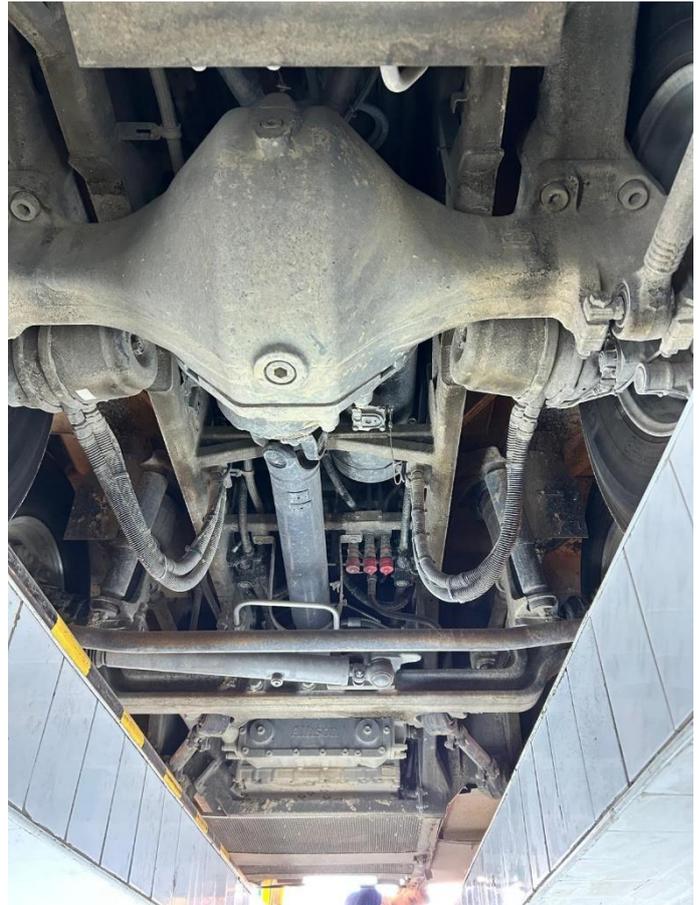
PART NUMBER	PART DESCRIPTION	QTY	SYMBOL
9402-105Y	T-FEMALE 0,5-1,0 mm <sup>2</sup>	3	

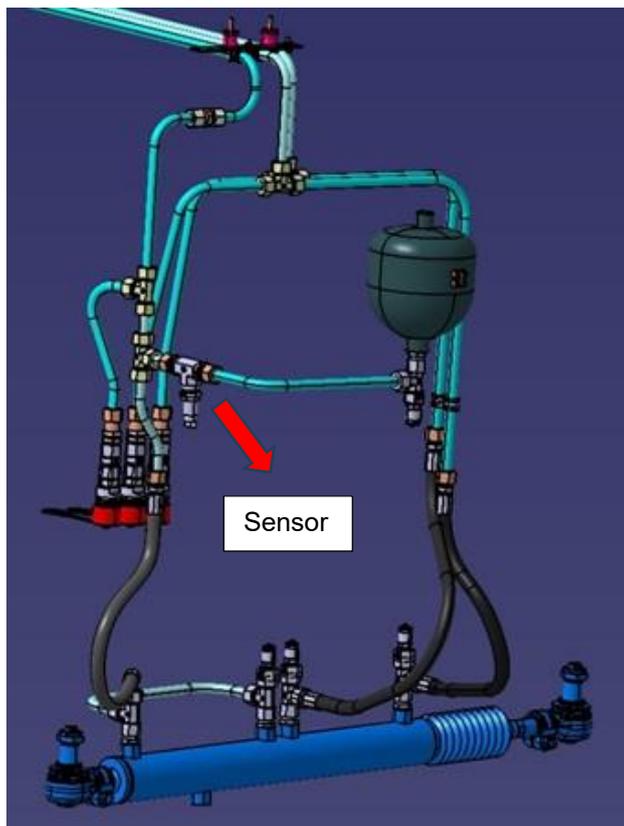
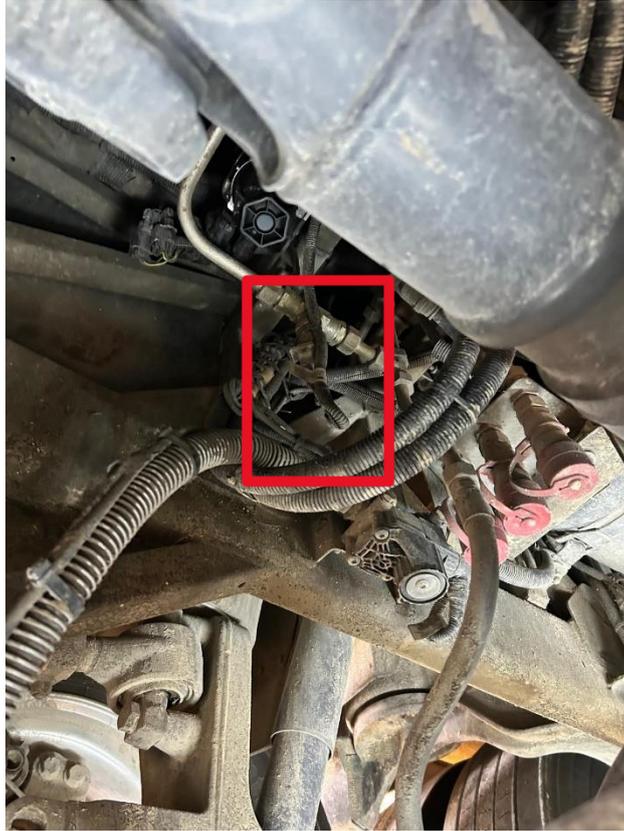
This part has been added in case the terminal is damaged when removing the cables from it.

## APPLICATION STEPS

### HARDWARE (INSTALLATION) APPLICATION

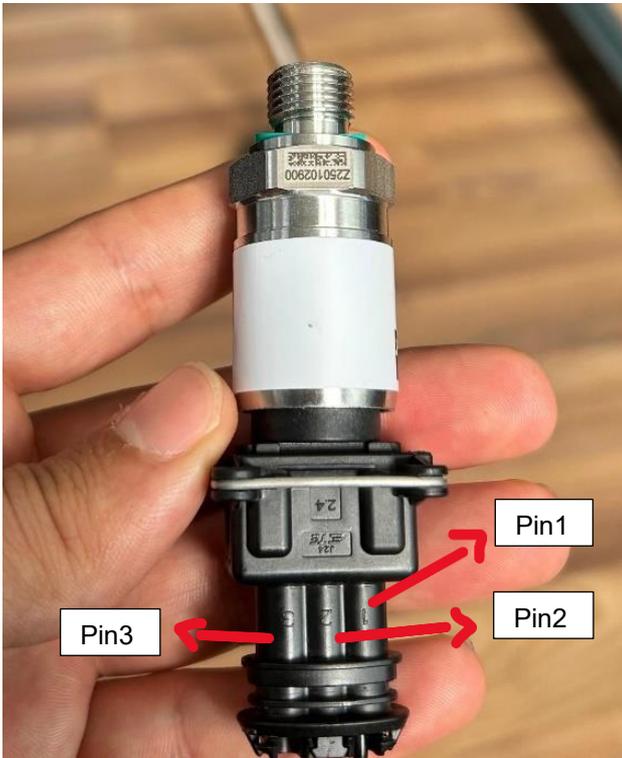
#### Sensor Position Images



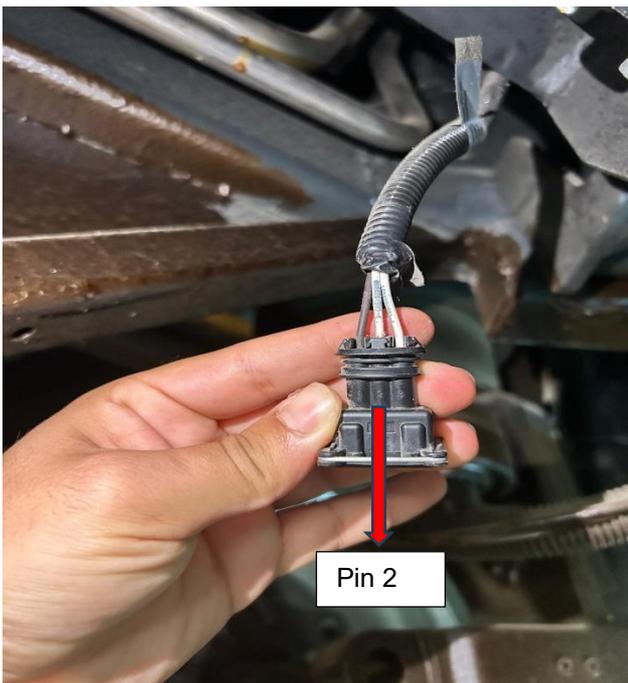


1-) Unplug the socket Temsa numbered P10B022-1.

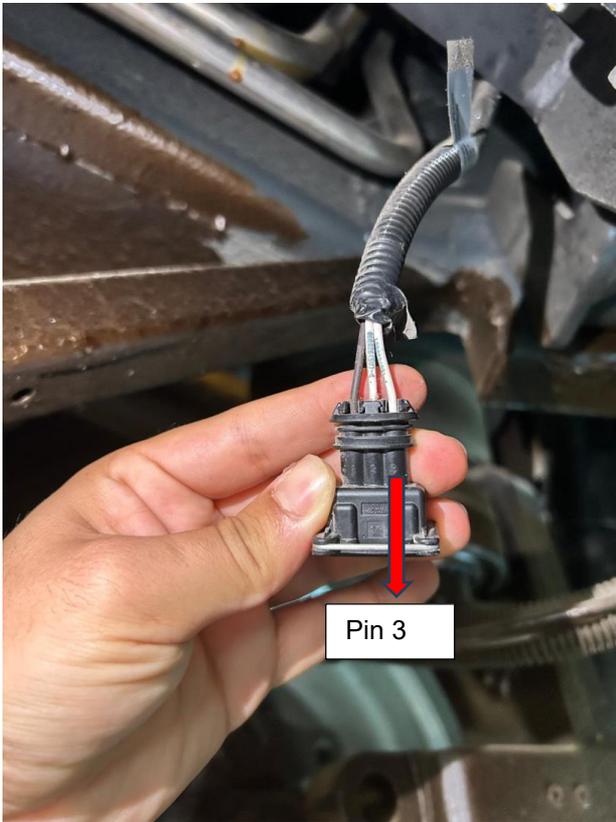




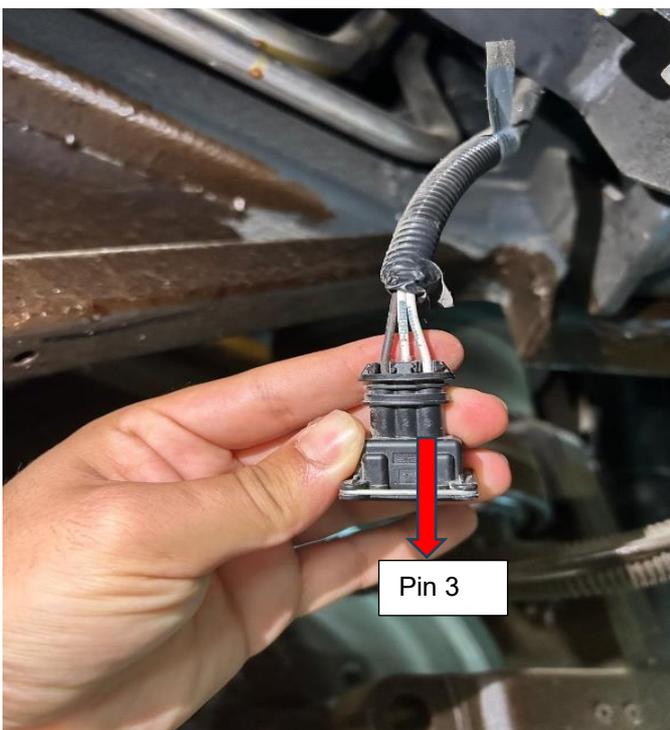
**2)** Carefully disconnect cable numbered 08N001(5V)-85-16 from pin 2 of the socket.



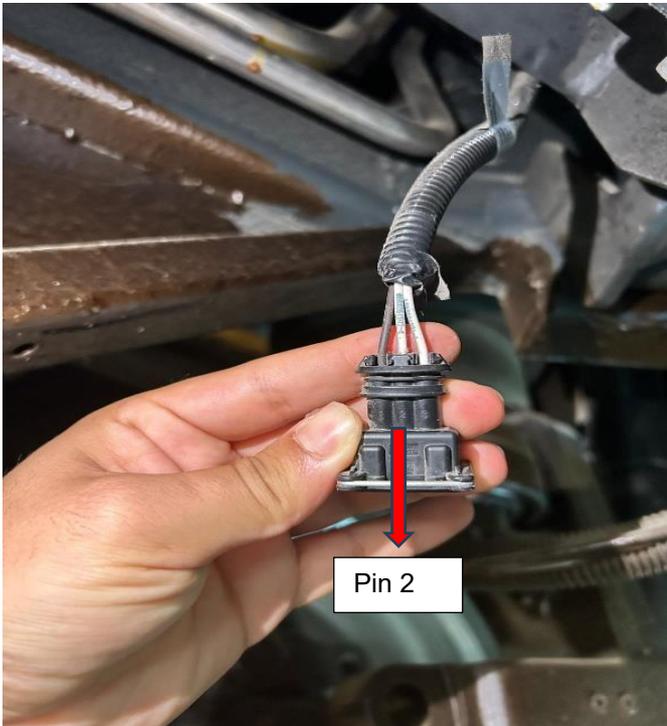
- 3) Carefully disconnect cable numbered 10B022(82)-1 from pin 3 of the socket.



- 4) Connect cable numbered 08N001(5V)-85-16 to the third pin of the socket.



- 5) Connect cable numbered 10B022(82)-1 to the second pin of the socket.



- 6) Plug the socket back into position.



**Note:** If the terminals are damaged when disconnecting the cable from the socket, cut the terminals from the cable. Insert terminal numbered 9402-105Y into the cable.



## SOFTWARE APPLICATION

The program Links

**ZR5 :**

**\*\* TS04-LC3-002** software should be installed on vehicles with software starting with **TS04-LC3-...** or **TS02-LC3-...**

<https://content.temsa.com/sapcs?get&pVersion=0045&contRep=ZADNSPEKTEP07101&docId=0050568FD8291FE0A8ED5EC2C59CC4B4&accessMode=r&compld=TS04-LC3-002.zip>

**\*\* TS05-LC3-003** software should be installed on vehicles with software starting with **TS05-LC3-...** or **TS03-LC3-...**

<https://content.temsa.com/sapcs?get&pVersion=0045&contRep=ZADNSPEKTEP07101&docId=0050568FD8291FE0A8EACF1DC0D524B4&accessMode=r&compld=TS05-LC3-003.zip>

**Multiviu :**

**\*\*TS02-MV-010** software should be installed on vehicles with software starting with **TS02-MV-...**

<https://content.temsa.com/sapcs?get&pVersion=0045&contRep=ZADNSPEKTEP07101&docId=0050568F725E1FE0A8EF251D708BA4BD&accessMode=r&compld=TS02-MV-010.zip>

**\*\*TS00-MV3-004** software should be installed on vehicles with software starting with **TS00-MV3-...**

<https://content.temsa.com/sapcs?get&pVersion=0045&contRep=ZADNSPEKTEP07101&docId=0050568FD8291FE0A8E965392840A4B4&accessMode=r&compld=TS00-MV3-004.zip>

For Multiviu Setup file link : [Setup MVP12\\_GC\\_patch\\_Display.zip](#)

**Important Note: -Please read the instructions carefully before installing the software-**

-The software mentioned above are up to date software. If there is previously published bulletin for these vehicles, please refer to this bulletin and install these software.

-It is essential to install the "Setup\_MVP12\_GC\_patch\_Display.exe" file prior to installing the Multivui software.

-Before downloading the ZR5 software; you have to check, which program variant is installed on the vehicle. If "**TS04-LC3-... or TS02-LC3-...**" is installed then you should download "**TS04-LC3-002**".

If "**TS05-LC3-... or TS03-LC3-...**" is installed then you should download "**TS05-LC3-003**"

**-To download ZR5 Kibes software, your computer must have Logicad3.014.2**

**-To be online for option page on ZR5 software, you can connect 1000Kbaud rate**

-Please note option selections before installing ZR5 software. If the options are reset, after installing, reselect the same options.

**-To download TS02-MV-... software, your computer must have Logi.CAD58**

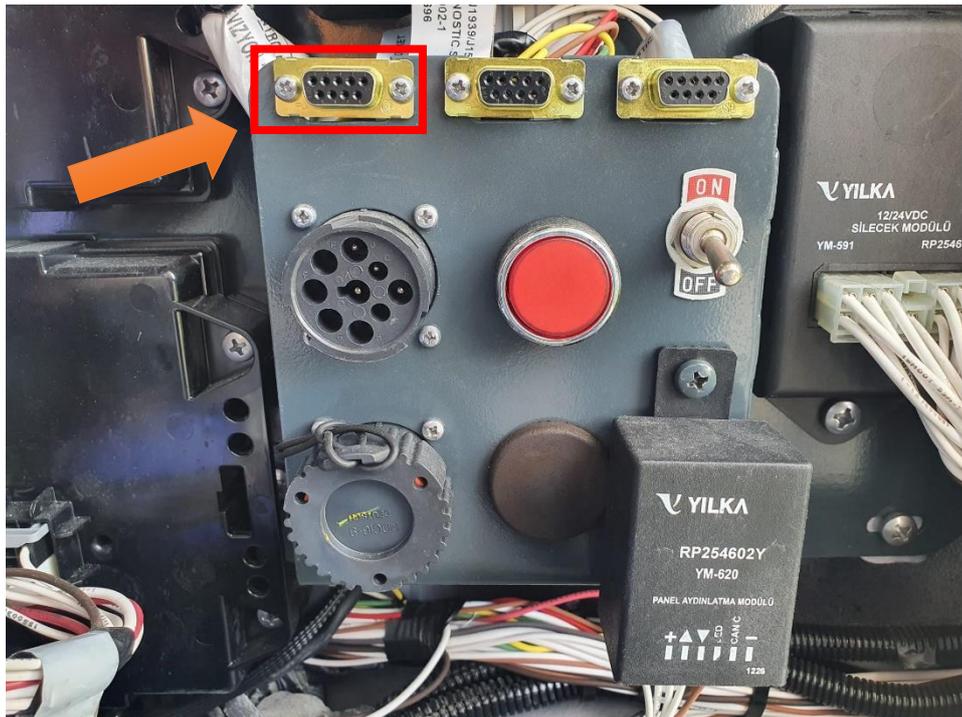
**-To download TS00-MV3-... software, your computer must have Logicad3.009.4**

## Uploading the up-to-date program(ZR5):

- 1- Park the vehicle to an area which is proper to work.

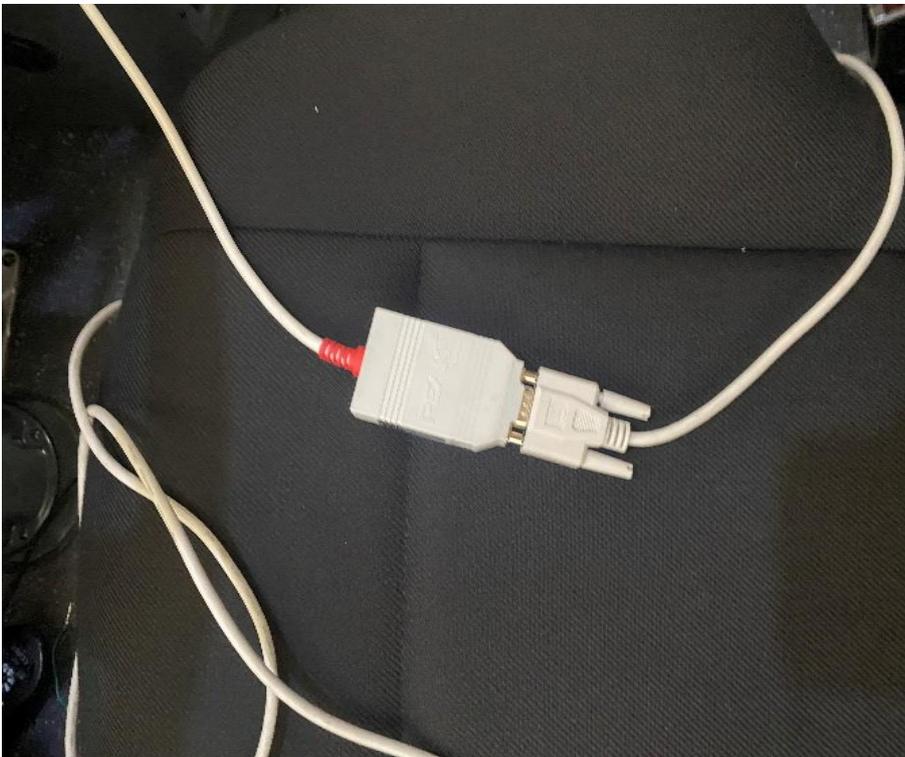


- 2- To install the ZR5 software, locate the KIBES socket next to the OBD socket by looking at the label on the cover.

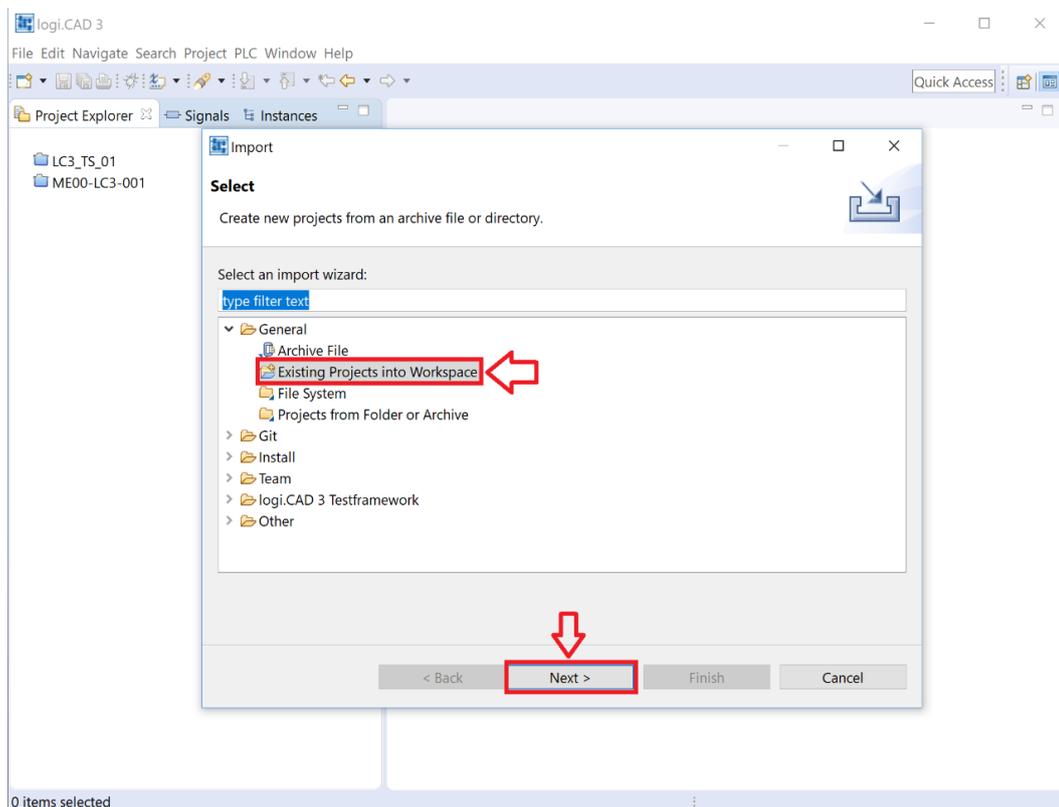
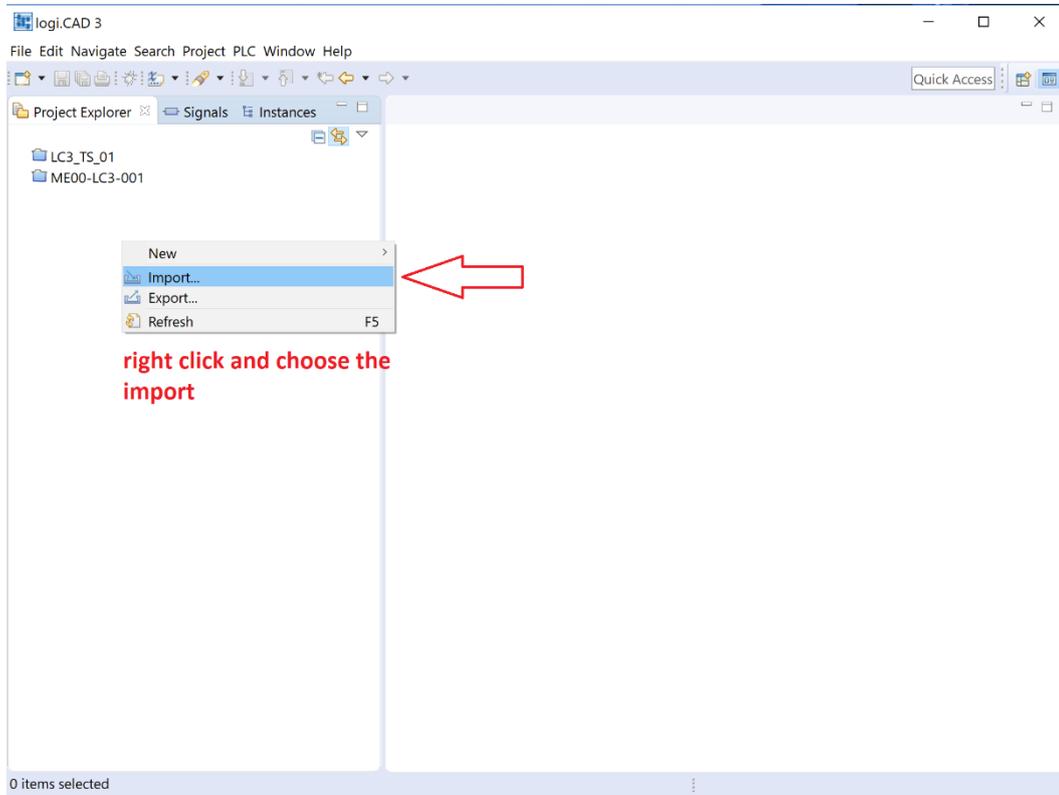


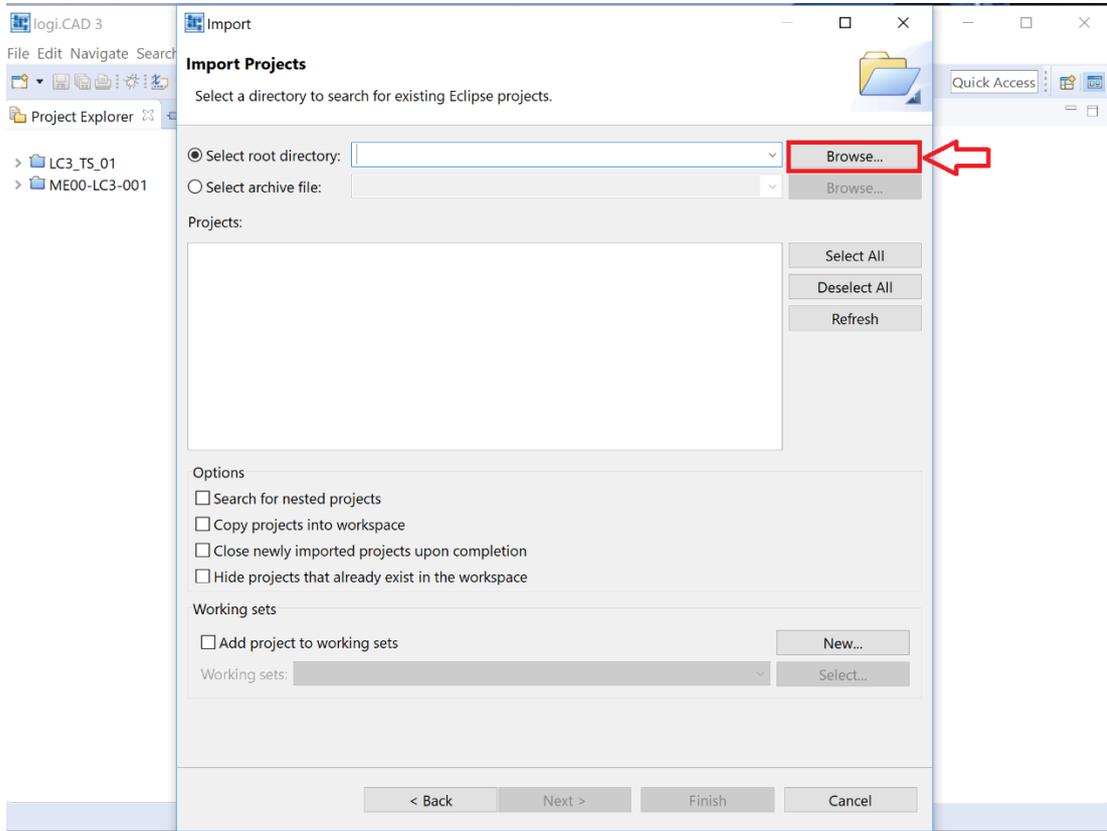
- 3- Connect one end of the KIBES cable to the CANalyzer or Peak cable and the other end to the KIBES diagnostic socket. Connect the CANalyzer or Peak output to the computer. Make sure that the KIBES dongle is inserted to your computer.



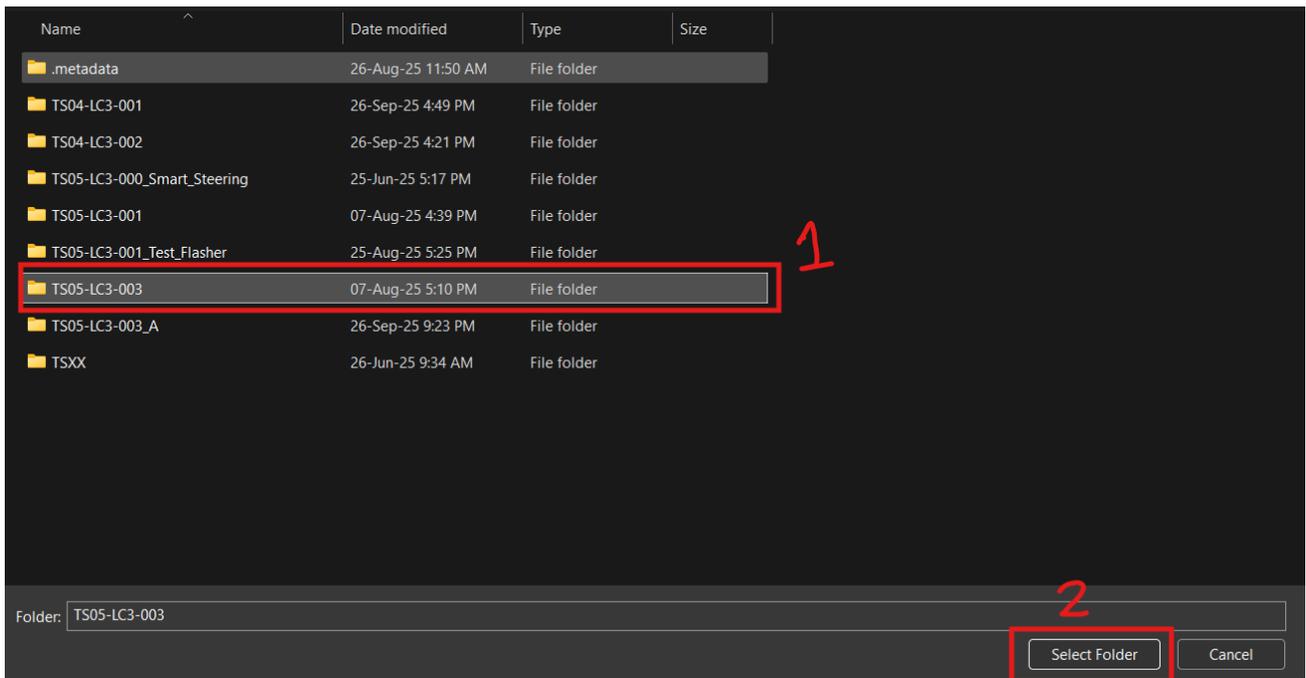


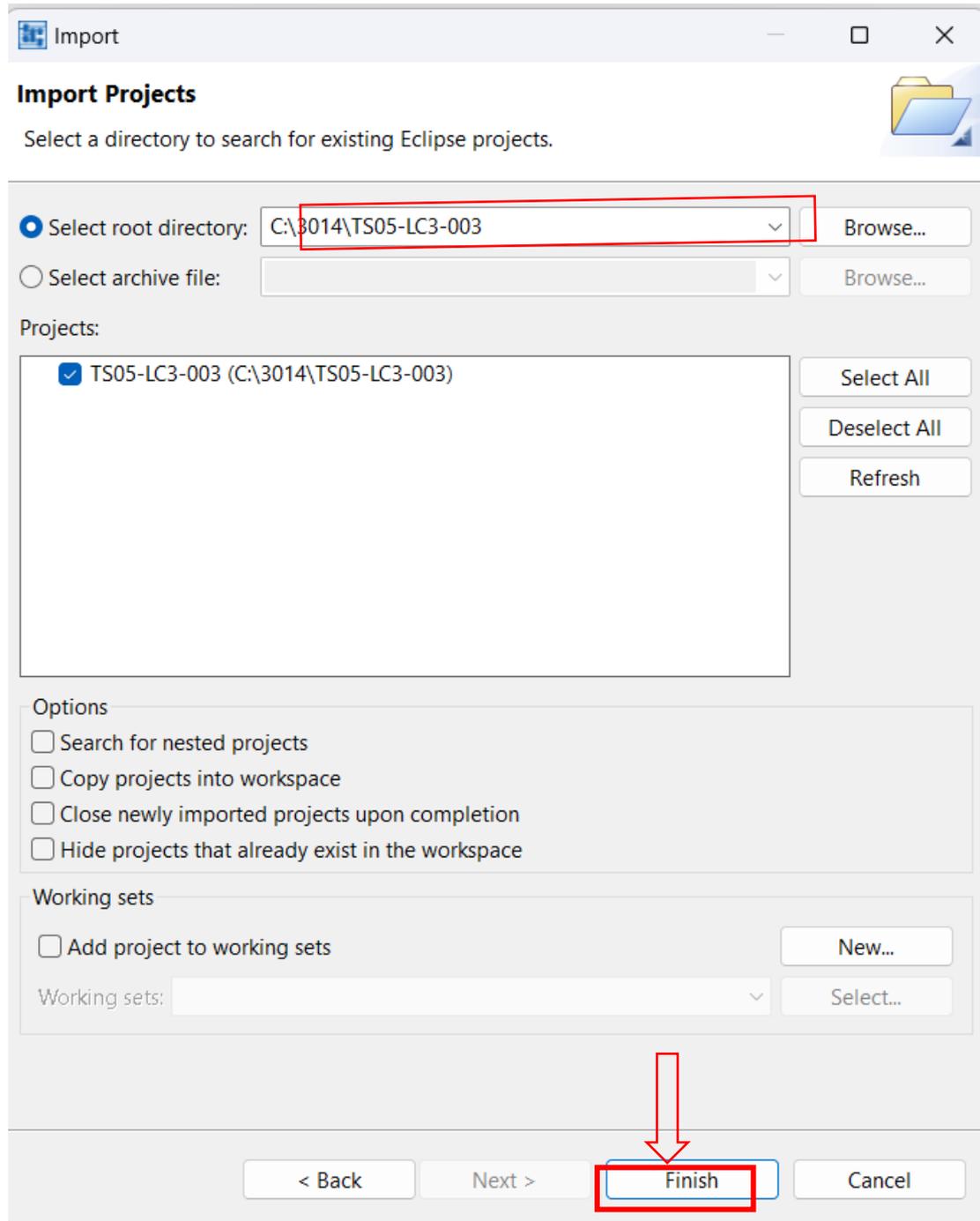
- 4- Install the ZR5 software on the vehicle as described in the images. Turn the ignition switch on. Do not start the engine.



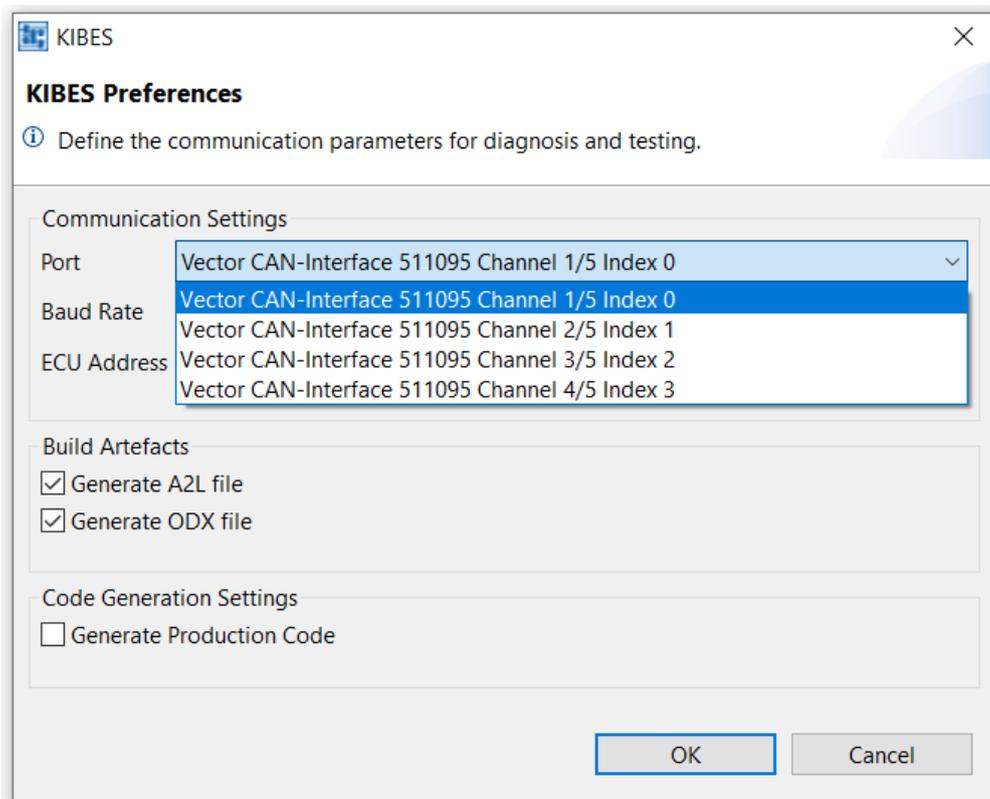
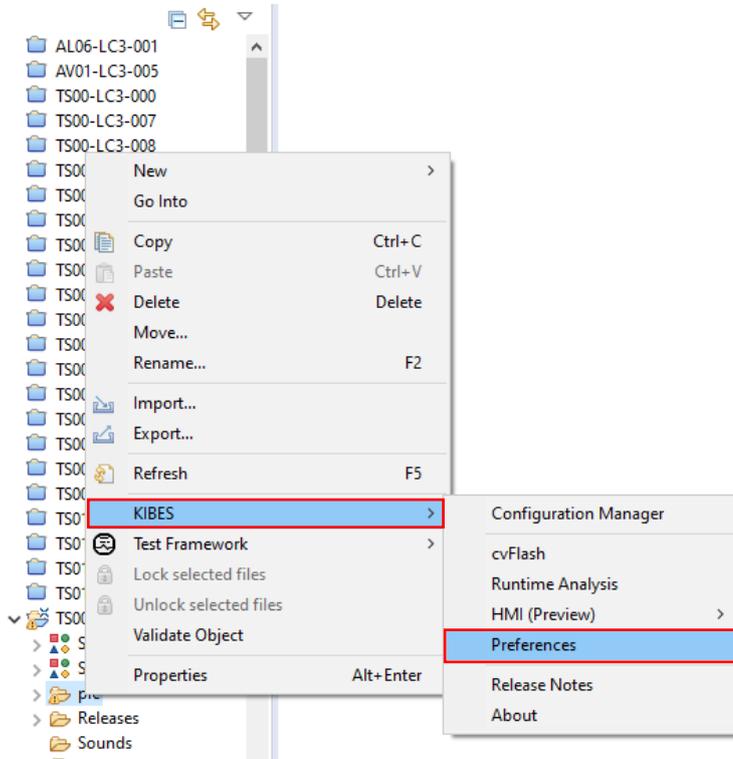


**Hint: The software version must be selected correctly. The number shown in the picture may be representative.**

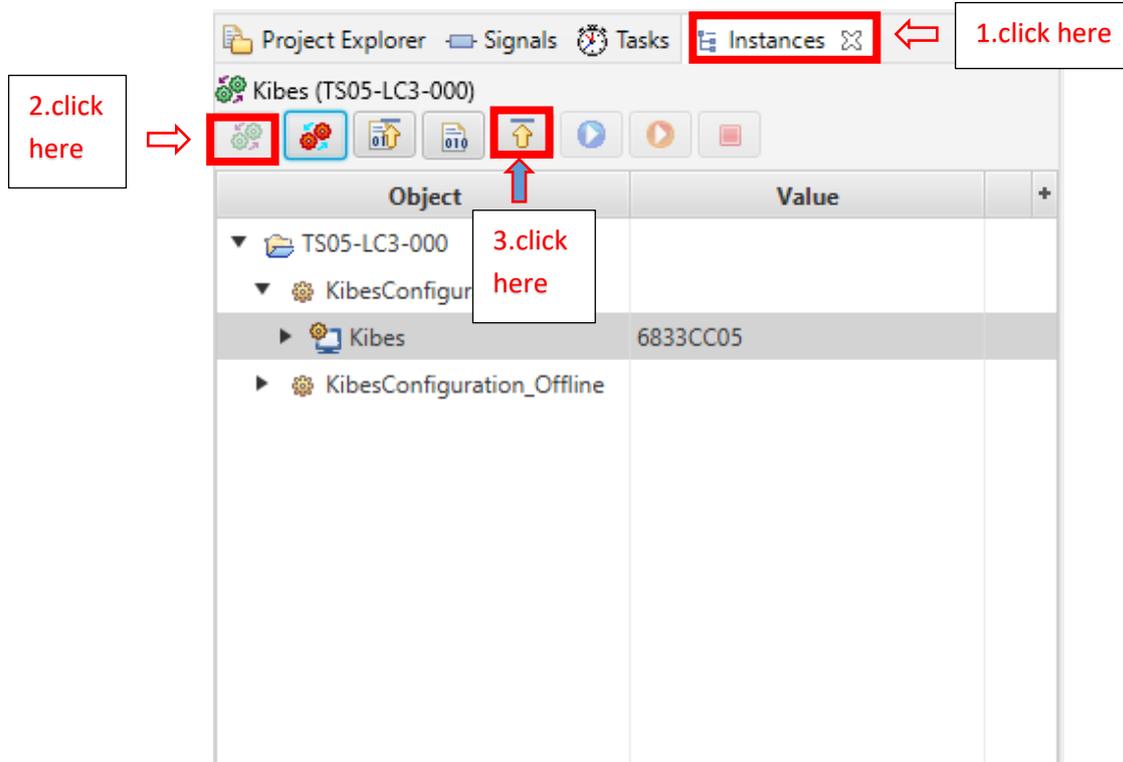




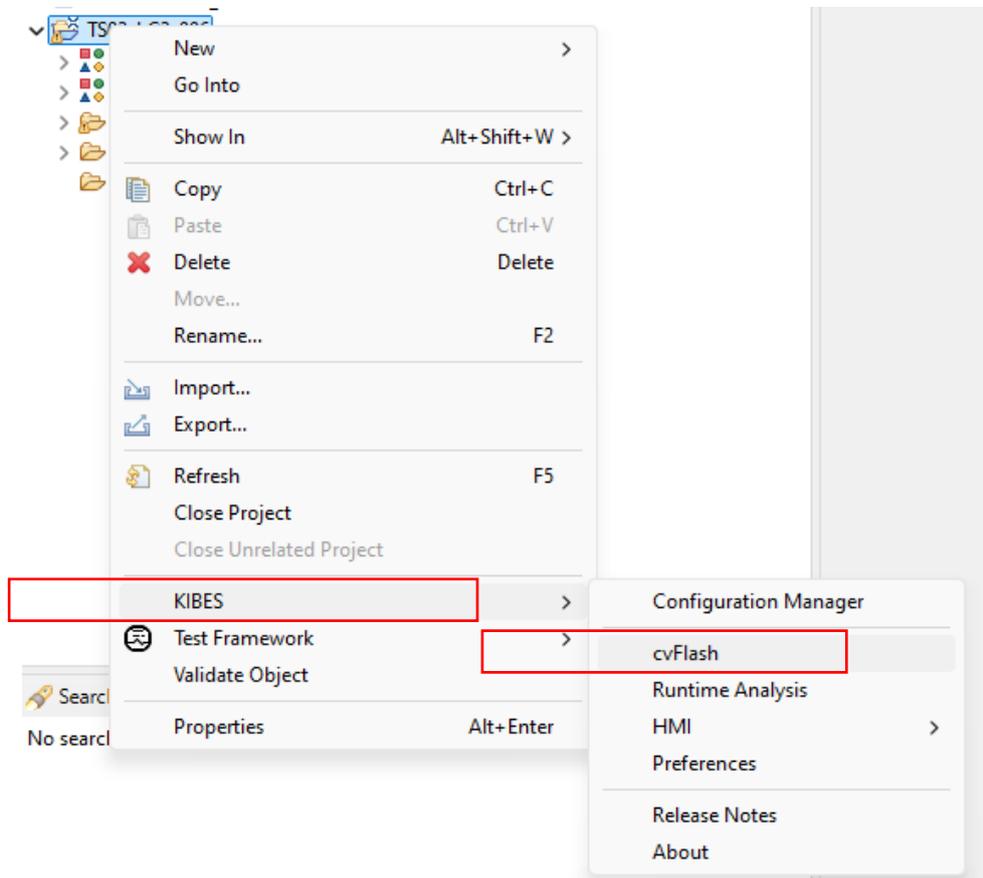
4.1- Click "Preferences" to check the **Baudrate** and **port**. (for TS Coachs it is updated from 250k to 1000k)

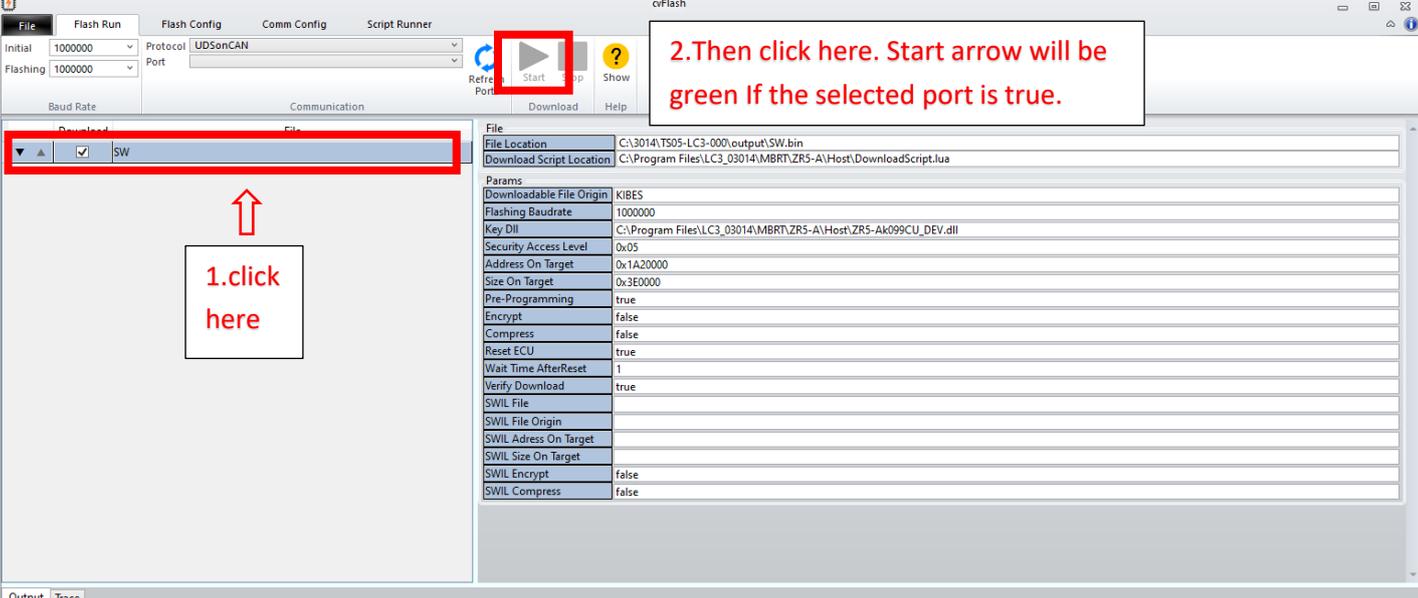


4.2- Click on the instructions shown in order in the picture.



4.3- If you get an error when you start loading of software, try CV flash download.



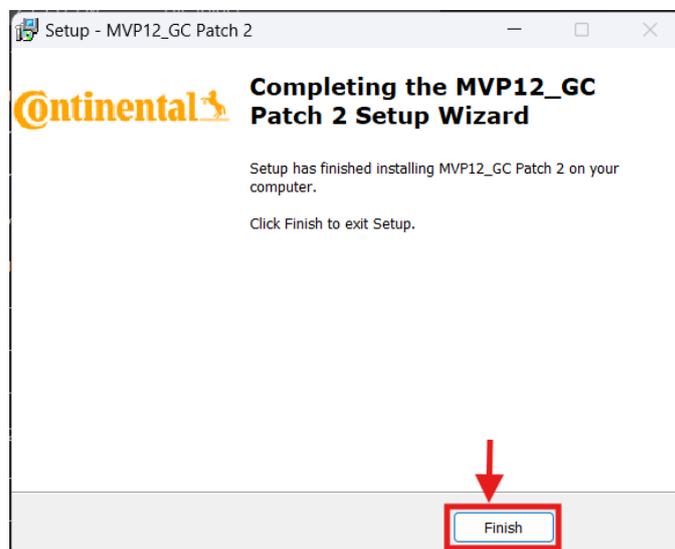
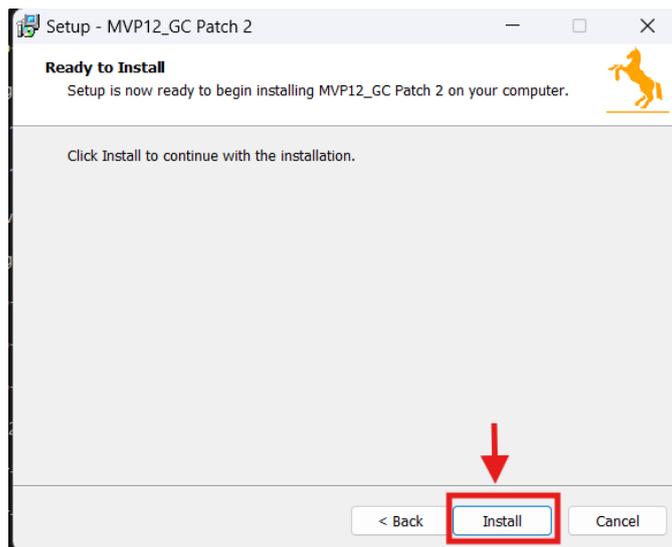
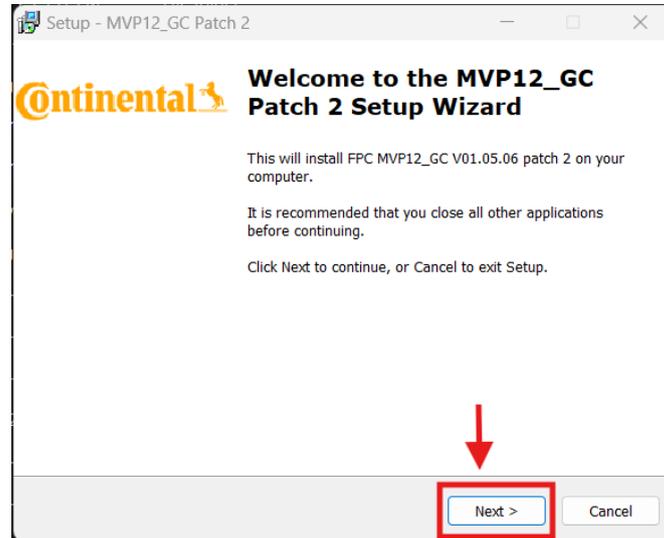


The screenshot shows the oFlash software interface. A red box highlights the 'Start' button in the top toolbar, with a callout box containing the text: "2. Then click here. Start arrow will be green if the selected port is true." Another red box highlights the 'SW' file in the 'Download' list, with a callout box containing the text: "1. click here" and an upward-pointing red arrow.

File Location: C:\3014\T505-LC3-000\output\SW.bin  
Download Script Location: C:\Program Files\LC3\_03014\MBRT\ZR5-A\Host\DownloadScript.lua

Params	
Downloadable File Origin	KIBES
Flashing Baudrate	1000000
Key DLL	C:\Program Files\LC3_03014\MBRT\ZR5-A\Host\ZR5-Ak099CU_DEV.dll
Security Access Level	0x05
Address On Target	0x1A20000
Size On Target	0x3E0000
Pre-Programming	true
Encrypt	false
Compress	false
Reset ECU	true
Wait Time AfterReset	1
Verify Download	true
SWIL File	
SWIL File Origin	
SWIL Address On Target	
SWIL Size On Target	
SWIL Encrypt	false
SWIL Compress	false

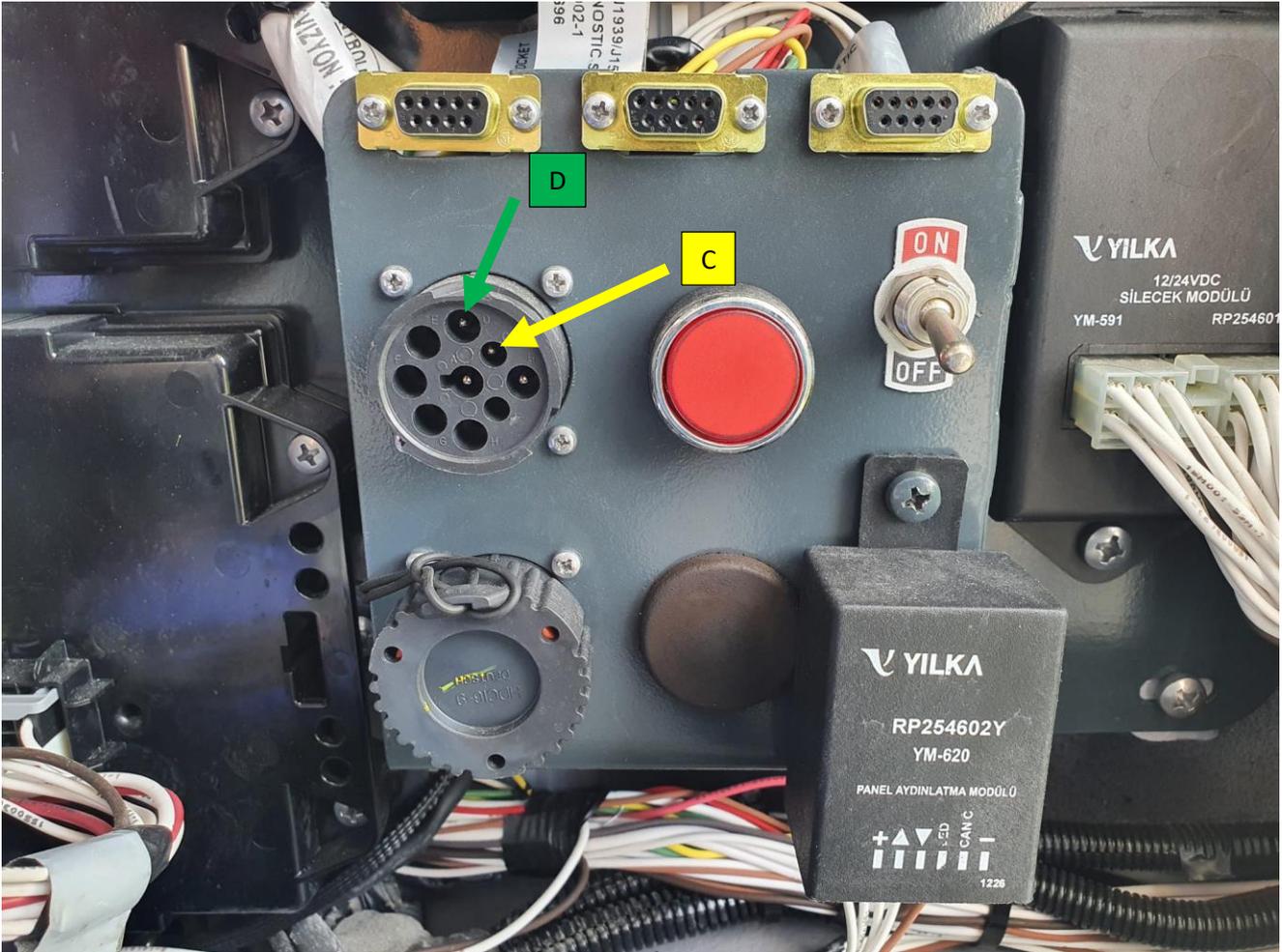
## Installing the setup for the Multiviu:



## Uploading the up-to-date program (Multiviu):

1-Park the vehicle to an area which is proper to work.

2-Connect your computer to the vehicle by using the CANalyzer interface. Plug the USB part into your computer and connect your CAN cable to the 9 pinned OBD port with the **D** pin low and the **C** pin high.





3- Turn the ignition switch on. Do not start the engine.

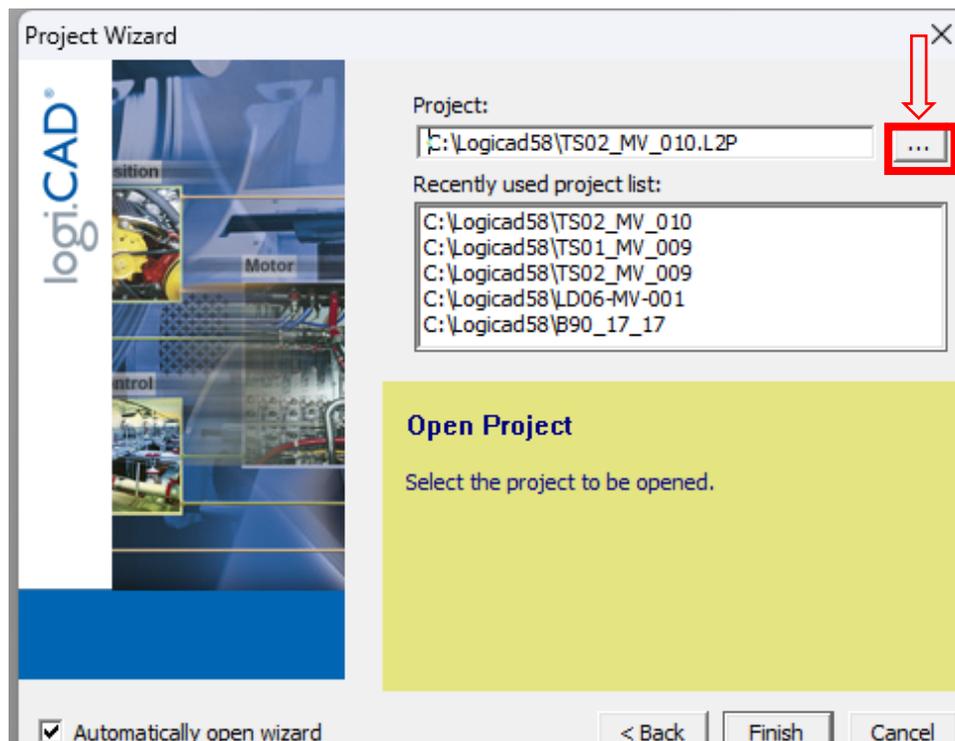
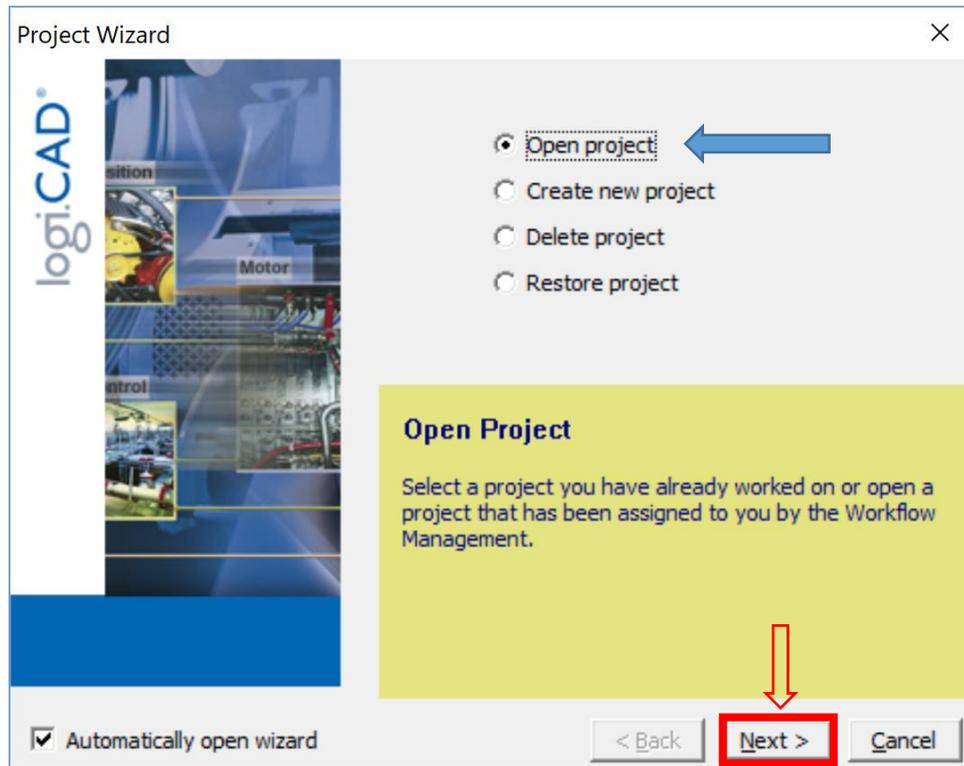
4- Make sure that the KIBES dongle is inserted to your computer.

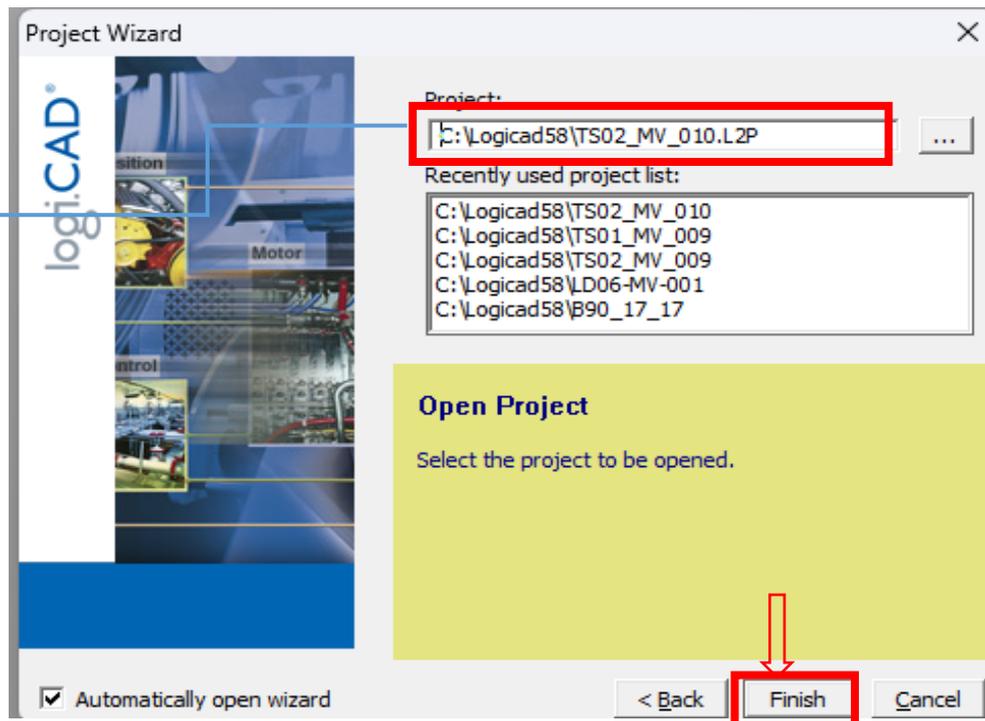
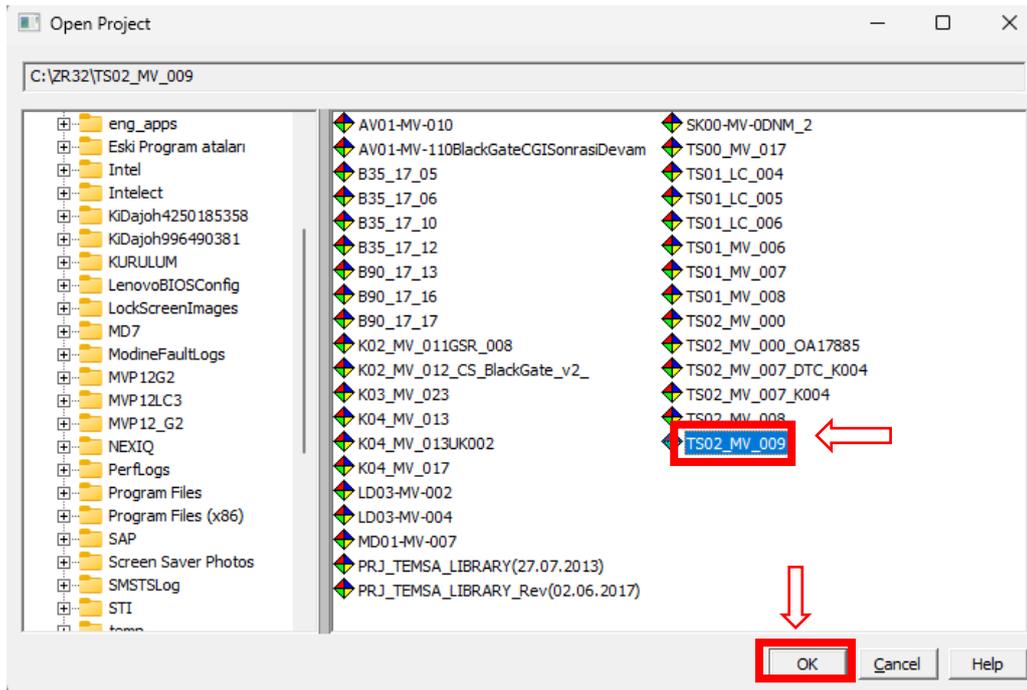


**\*\*TS02-MV-010** software should be installed on vehicles with software starting with **TS02-MV-...**

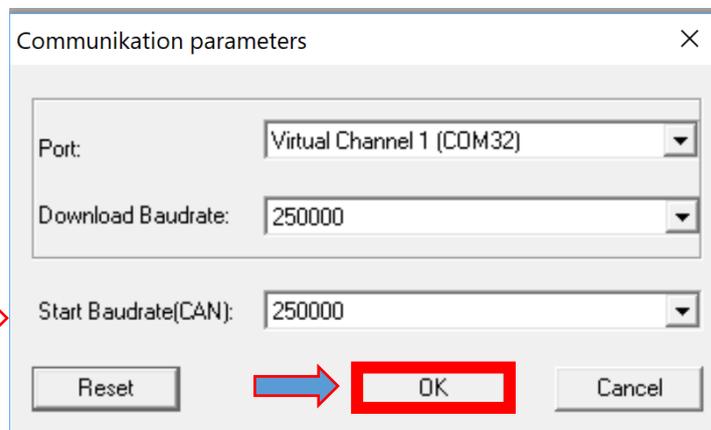
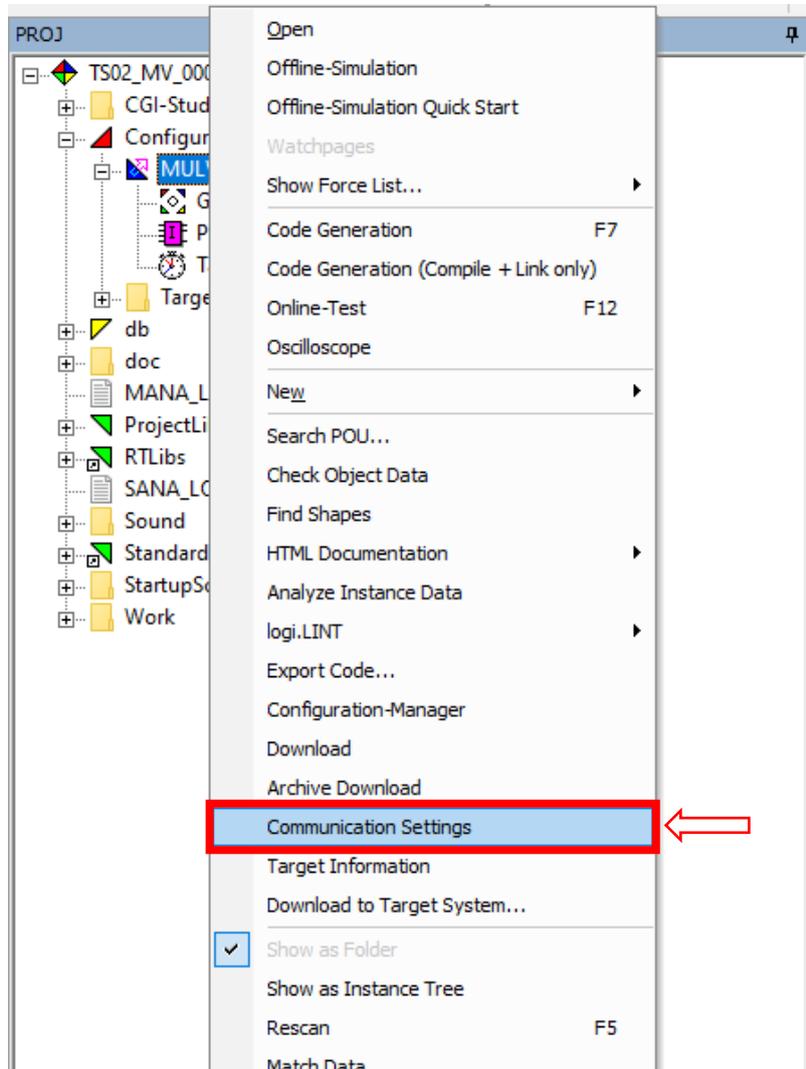
**To install this software use logiCAD58.exe**

5- Select the “Open Project” selection and click “next”.





6- Right click on Mulviu then click “Communication Settings” check the Port and Baudrate.

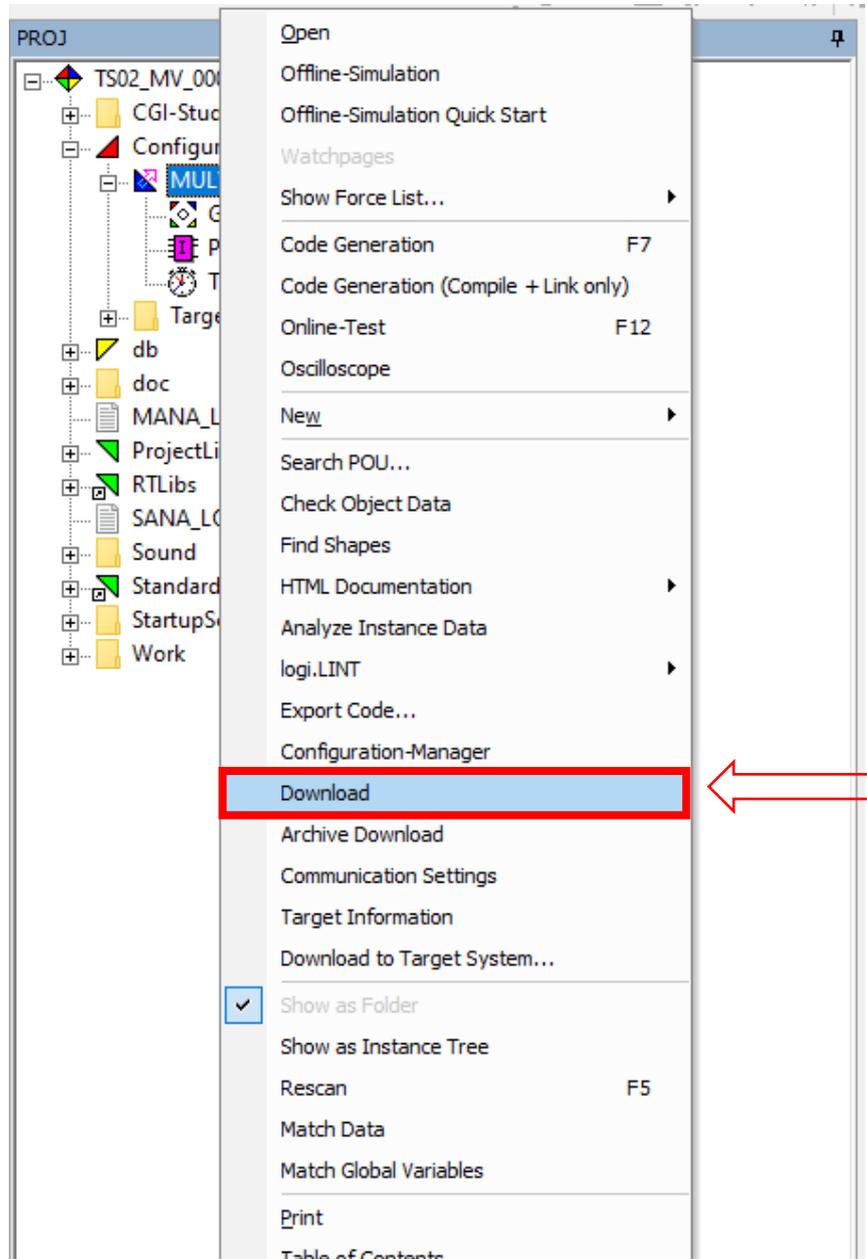


You can change “Start Baudrate” here

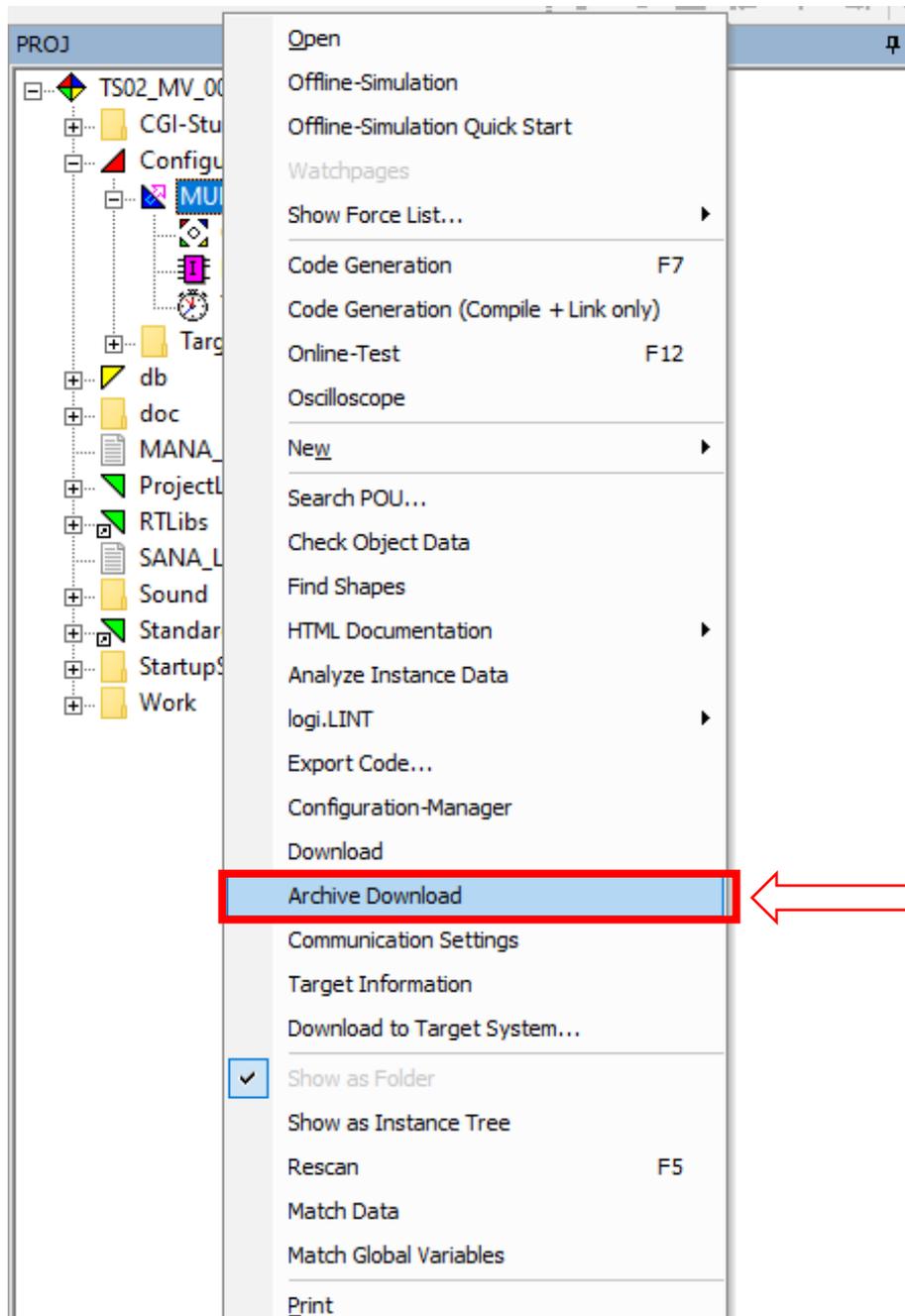
You can change port here. Please make sure correct port.

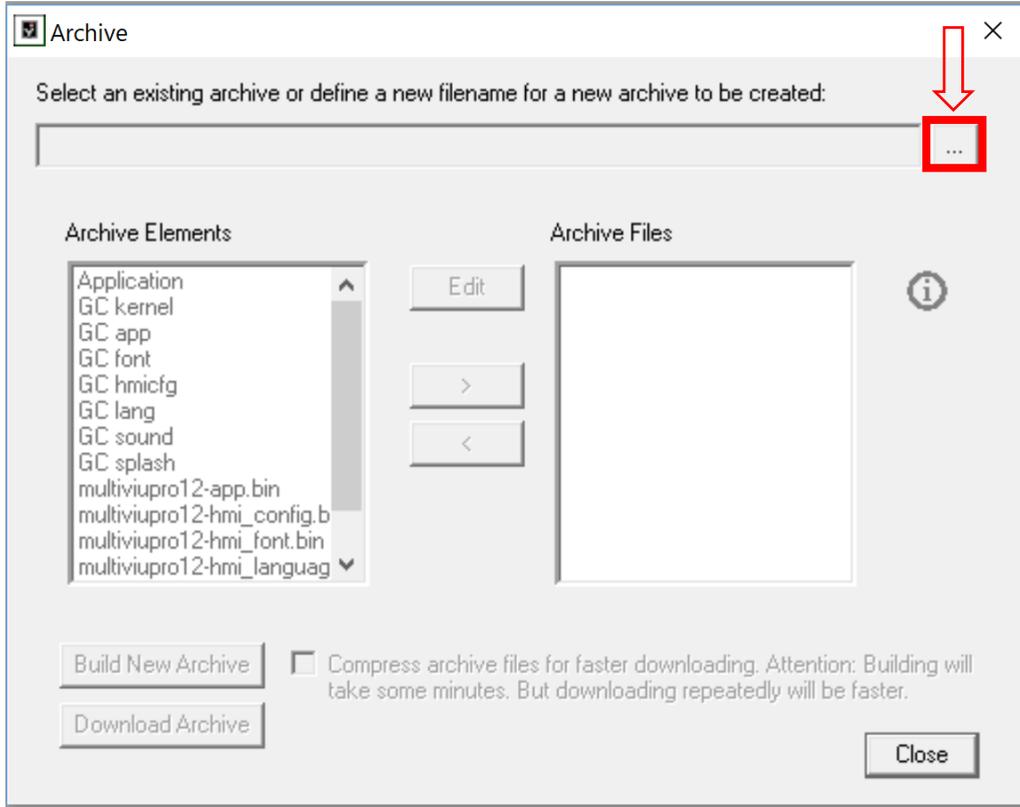
You can change “Download Baudrate” here

7- Then Right click on Mulviu, Download the logic side of the program.

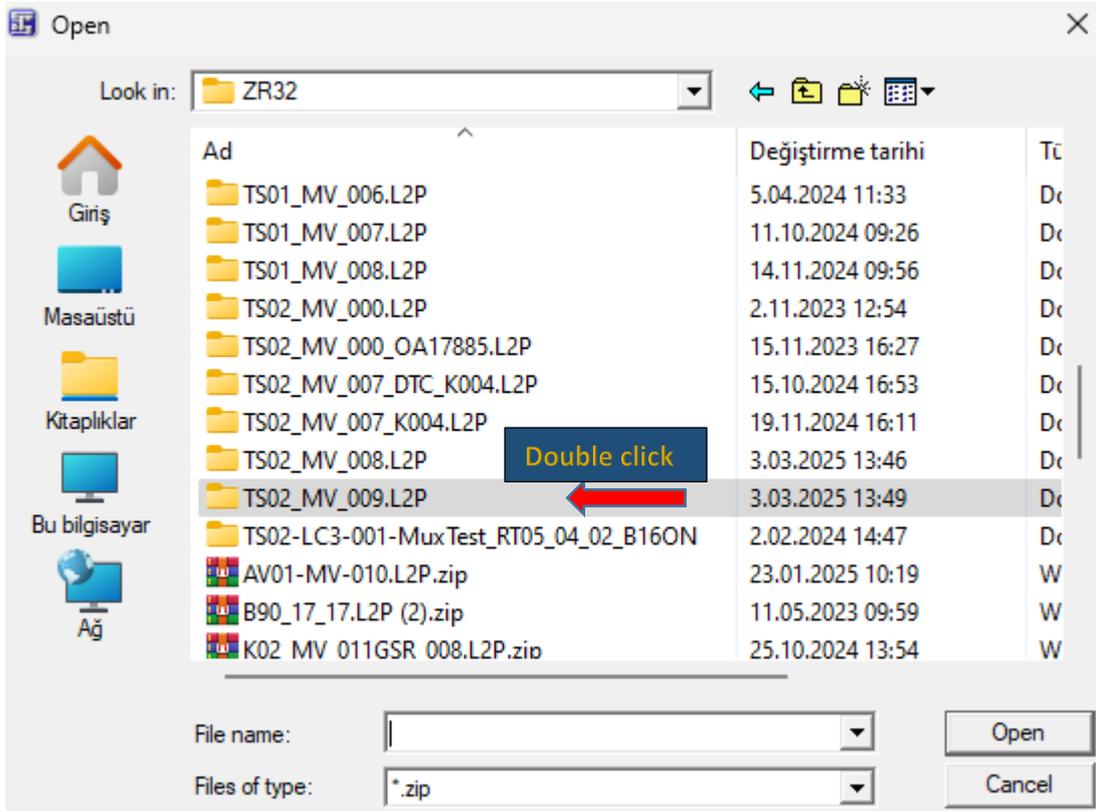


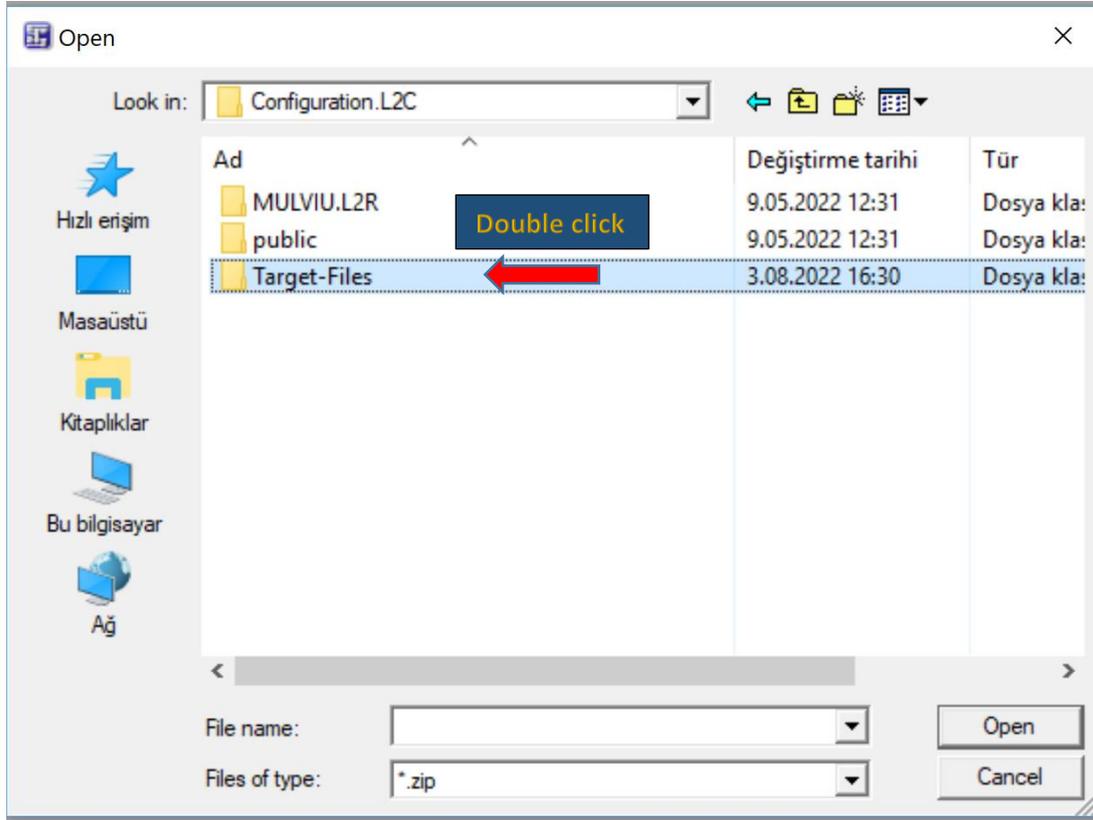
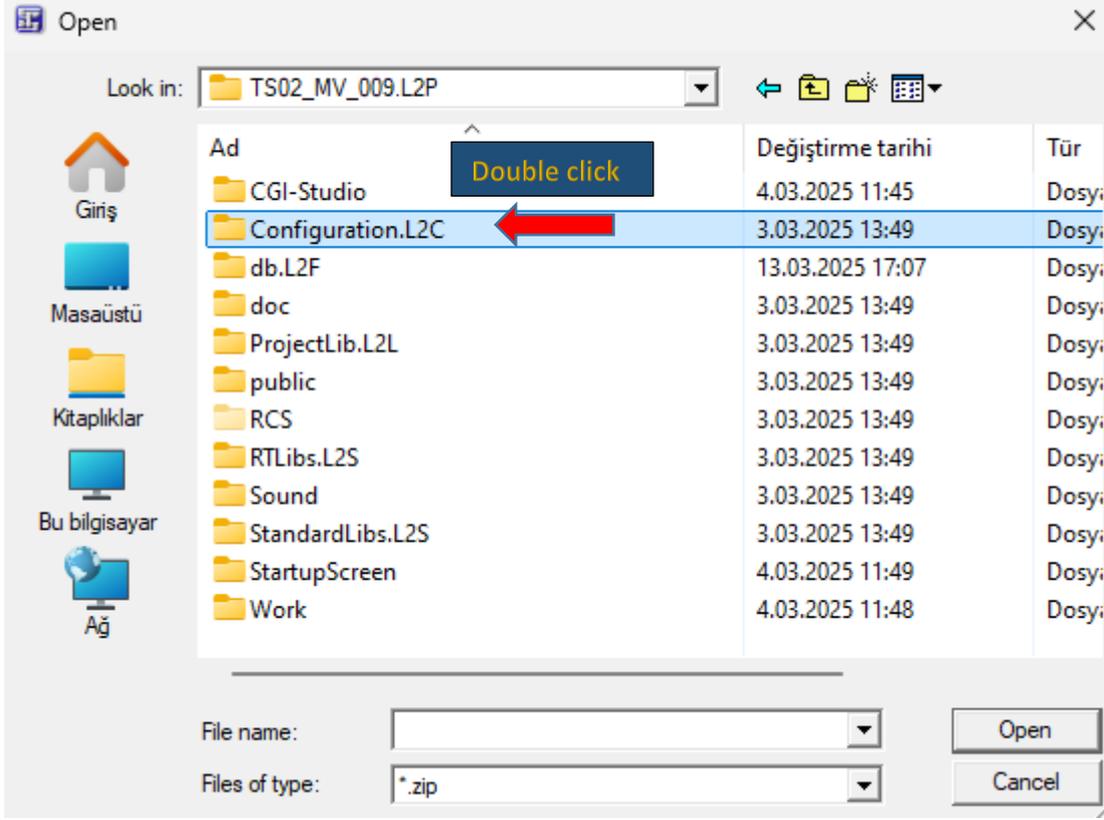
8-Right click on Mulviu again then click “Archive Download”



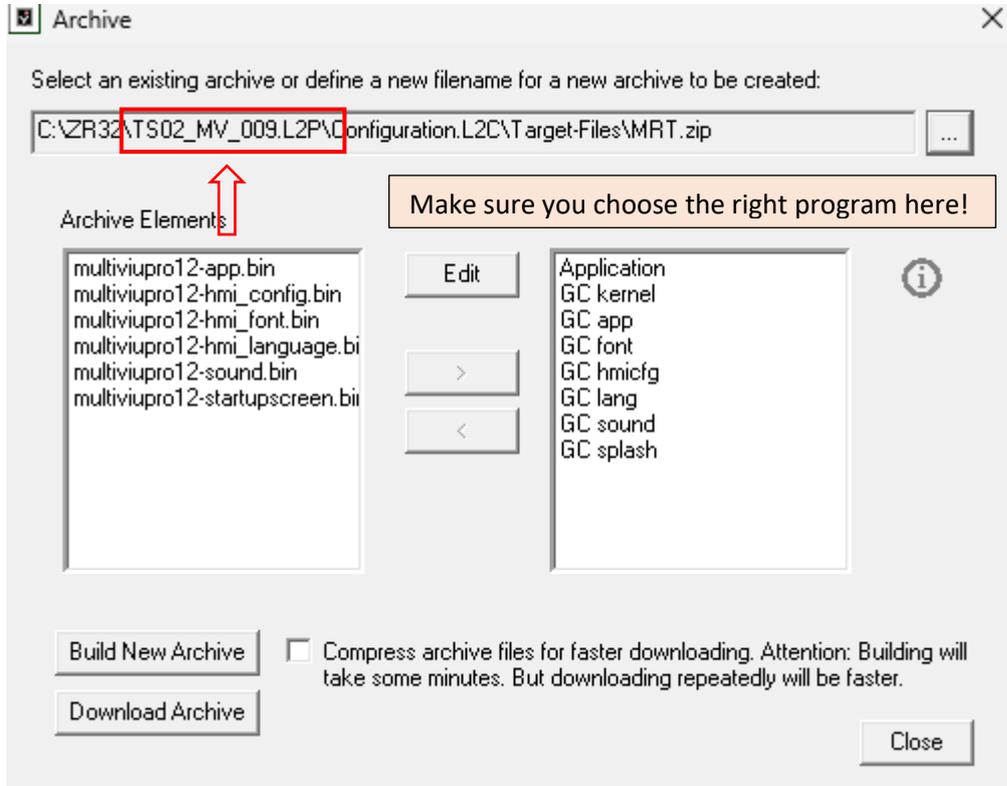
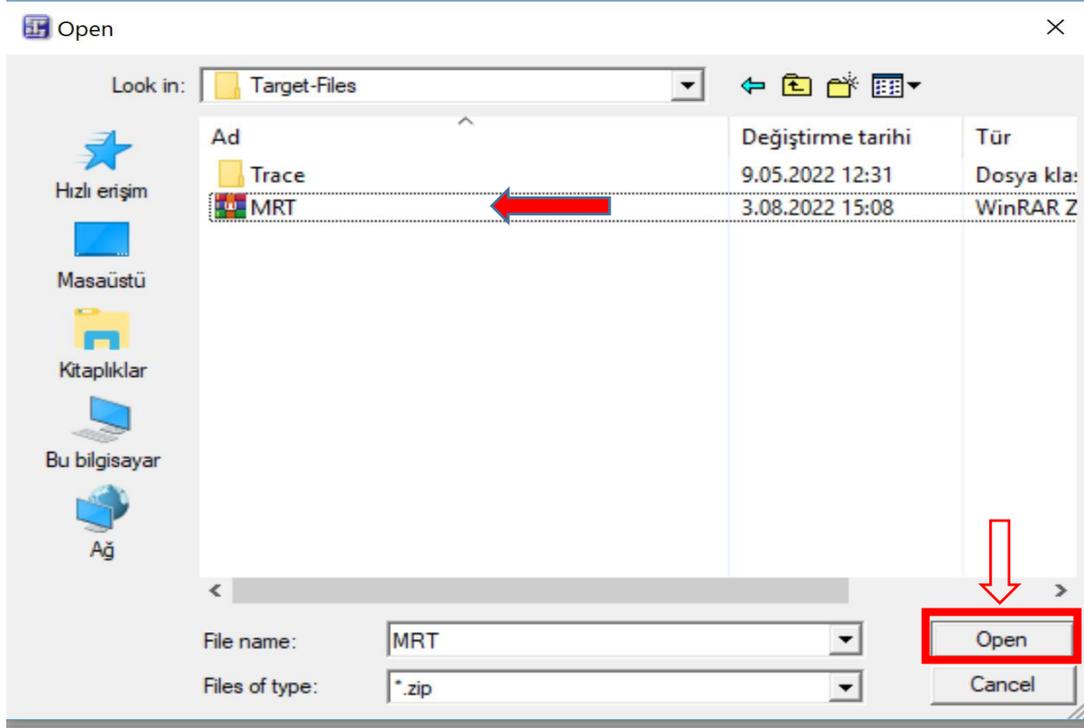


9- You should find program in your workspace then double click the program.

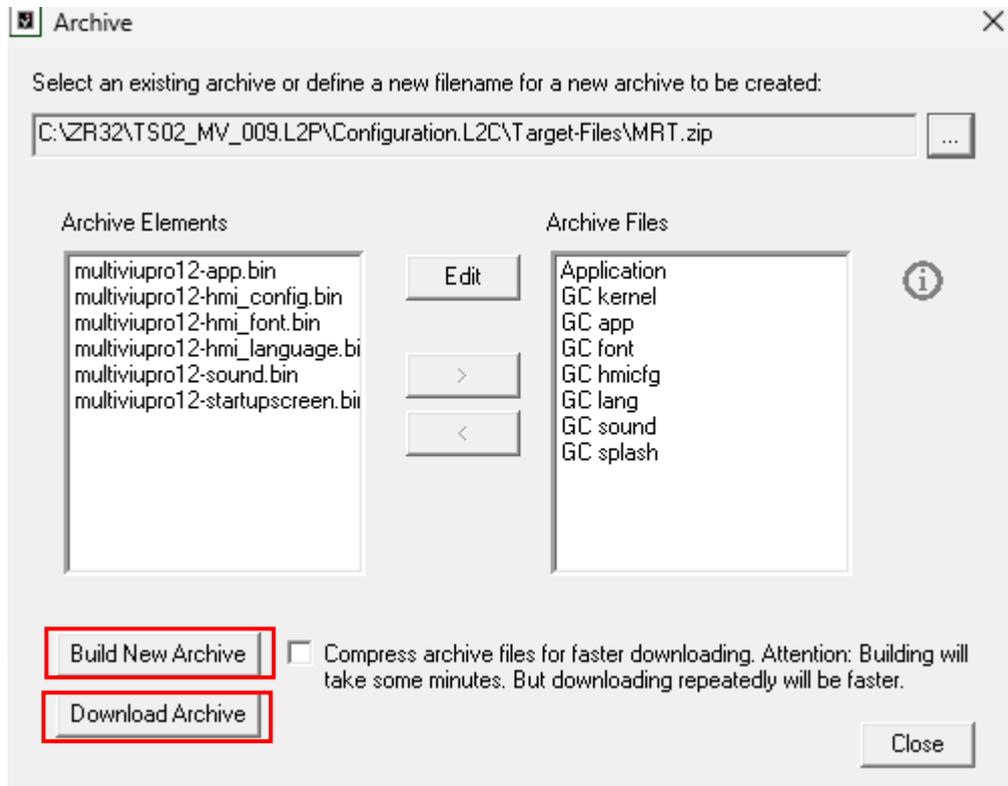




10- Click on "MRT" then click "Open".

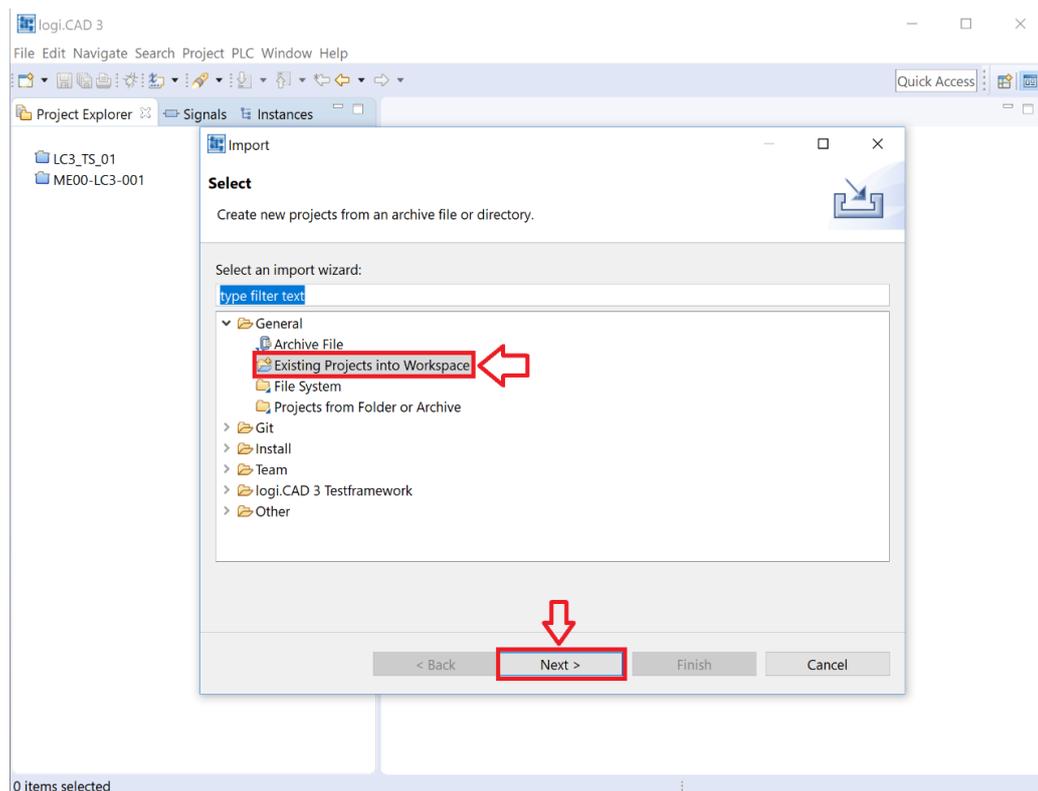
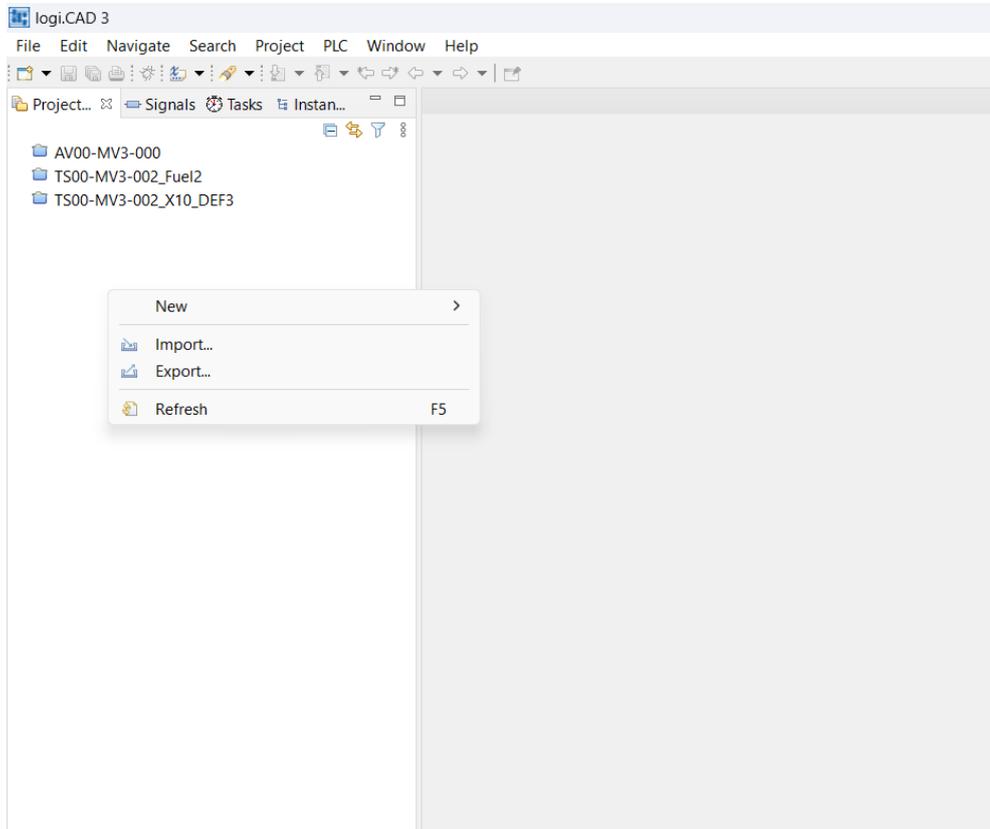


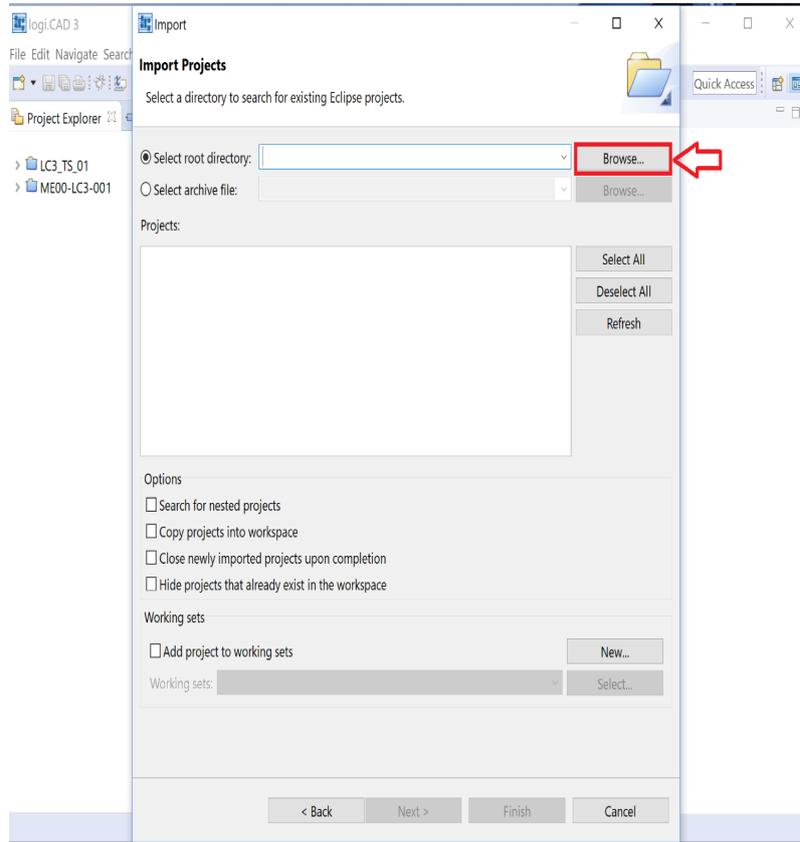
11- After the software is checked, click the “Build New Archive”, then click the “Archive Download”.



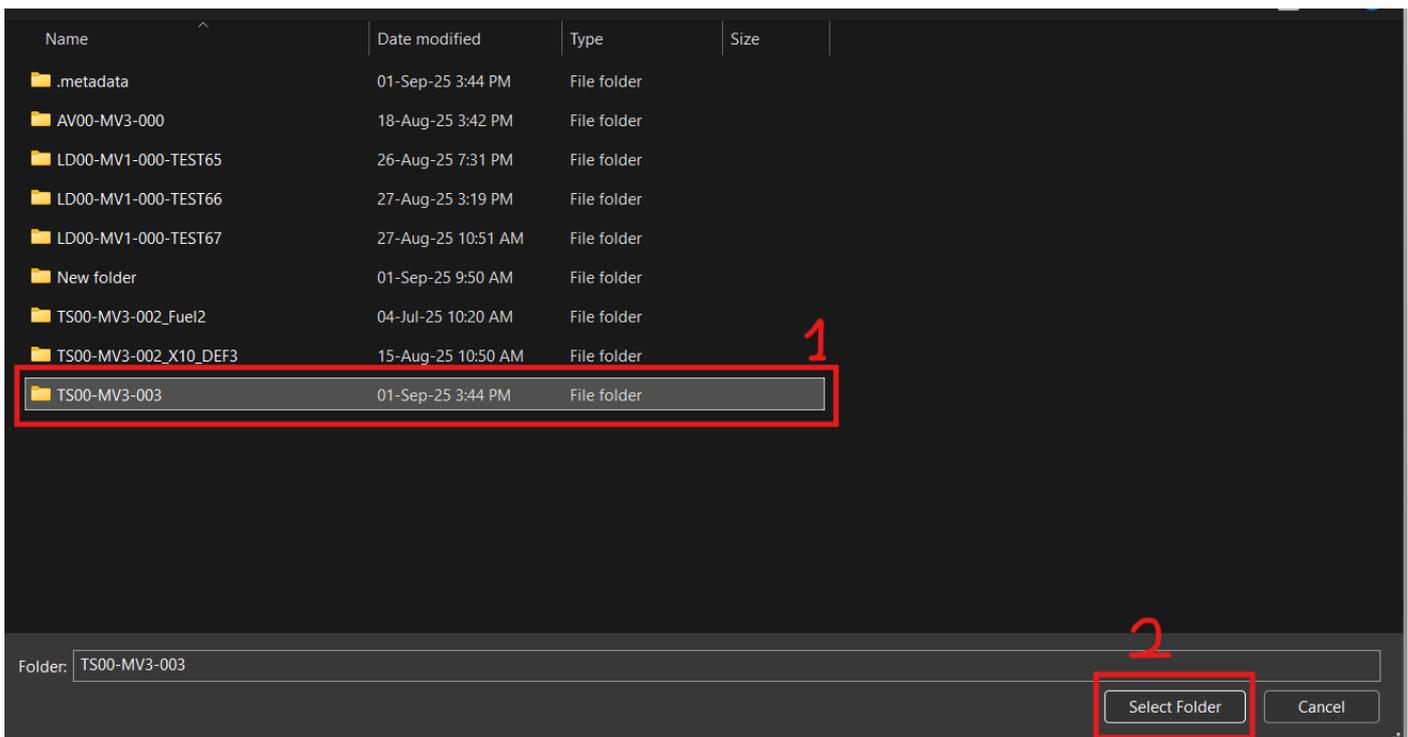
**\*\*TS00-MV3-004** software should be installed on vehicles with software starting with **TS00-MV3-...**

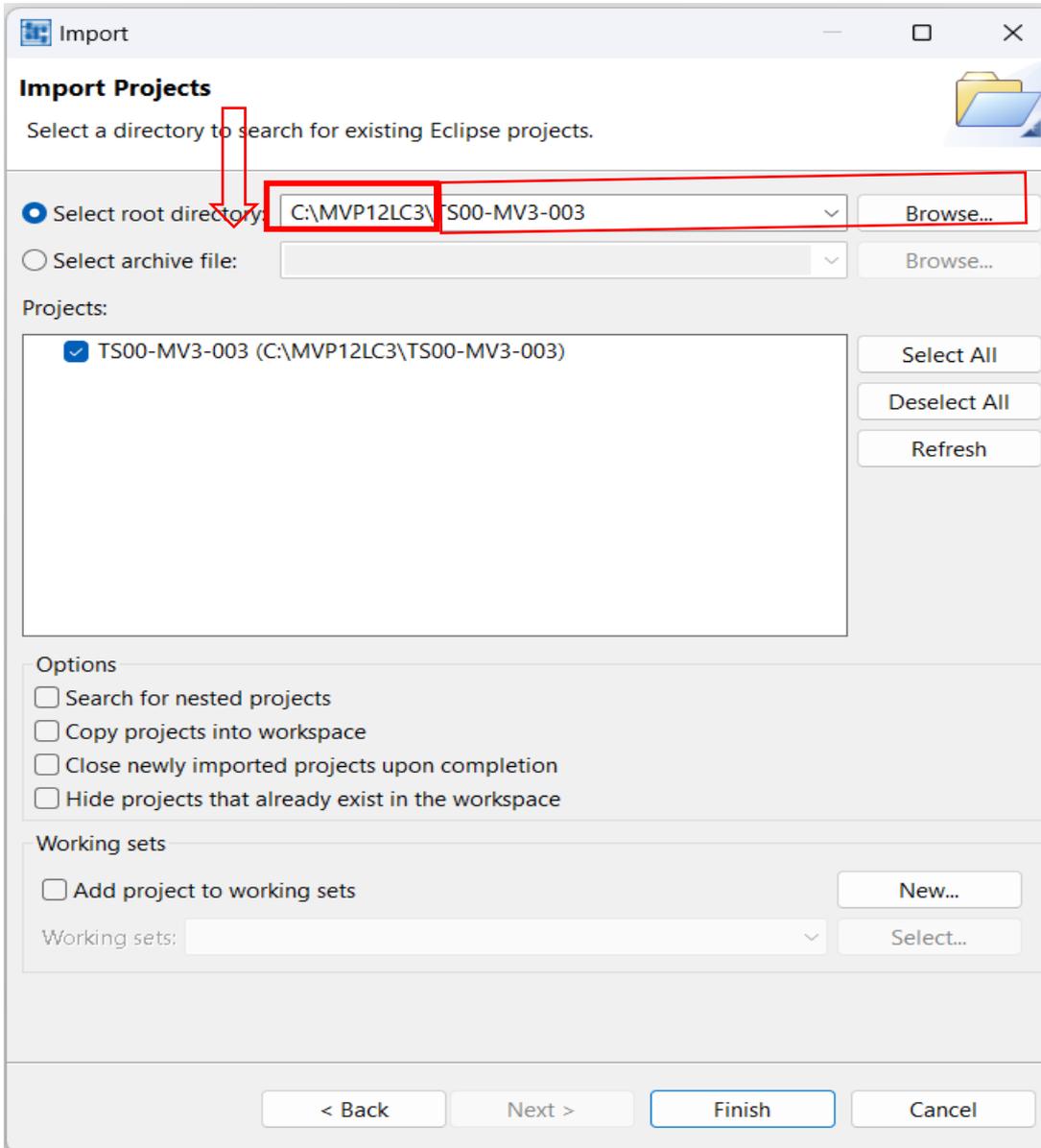
**To install this software use logiCAD 3 (3.009.4)**



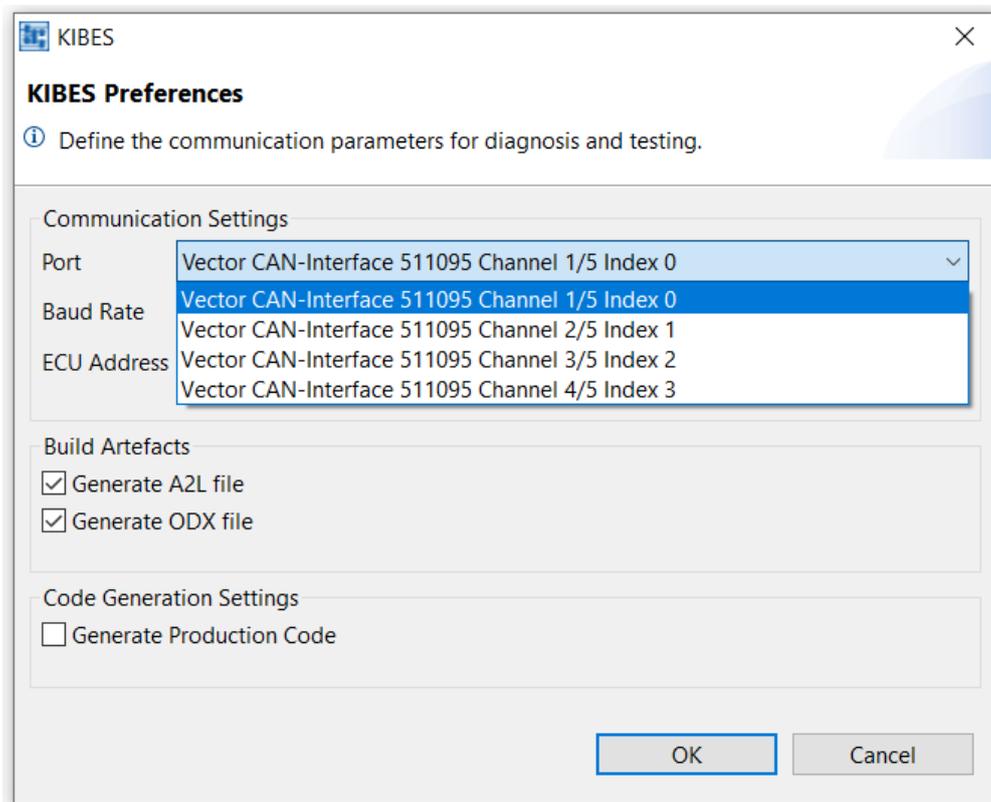
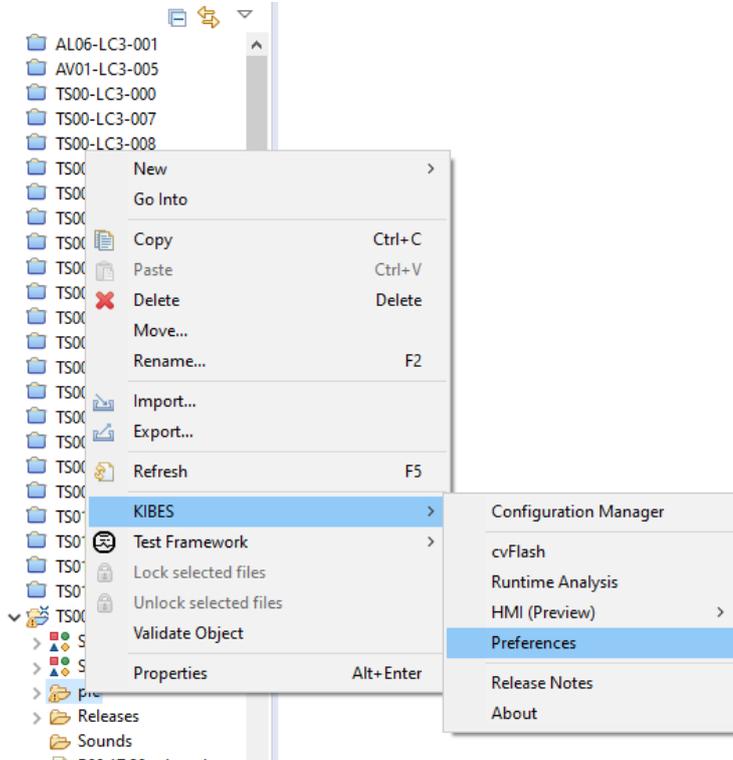


**Hint: The software version must be selected correctly. The number shown in the picture may be representative.**

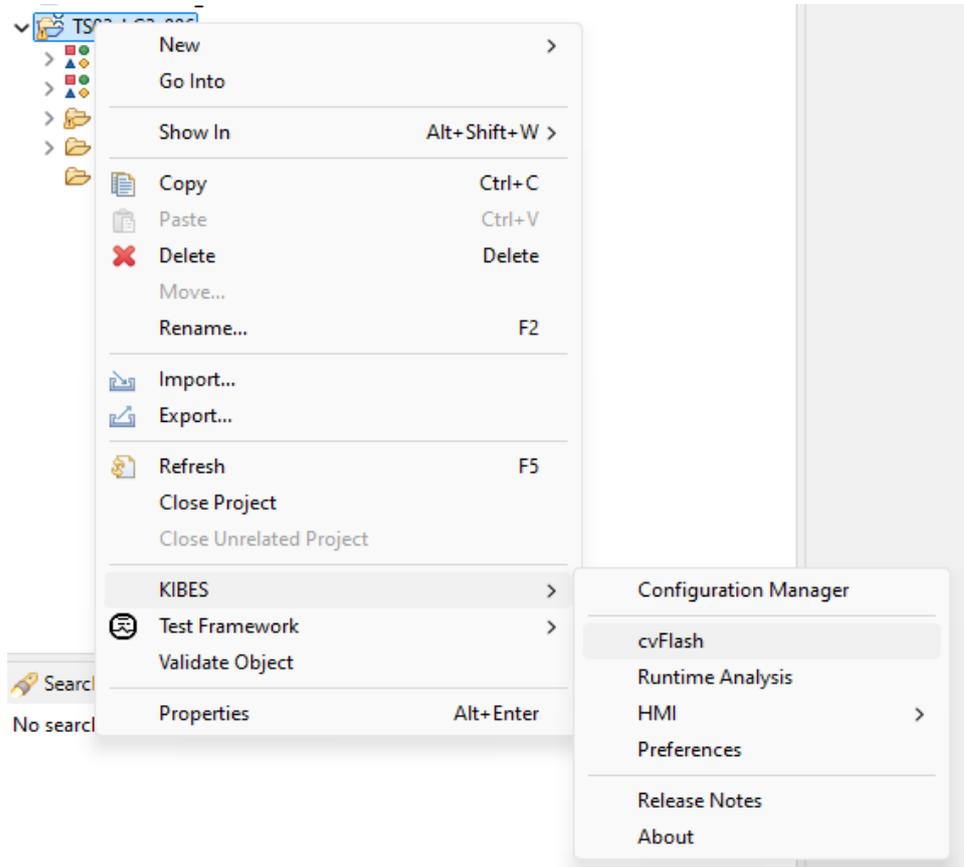




- Click "Preferences" to check the **Baudrate** and **port**. (for TS Coachs it is updated from 250k to 1000k)

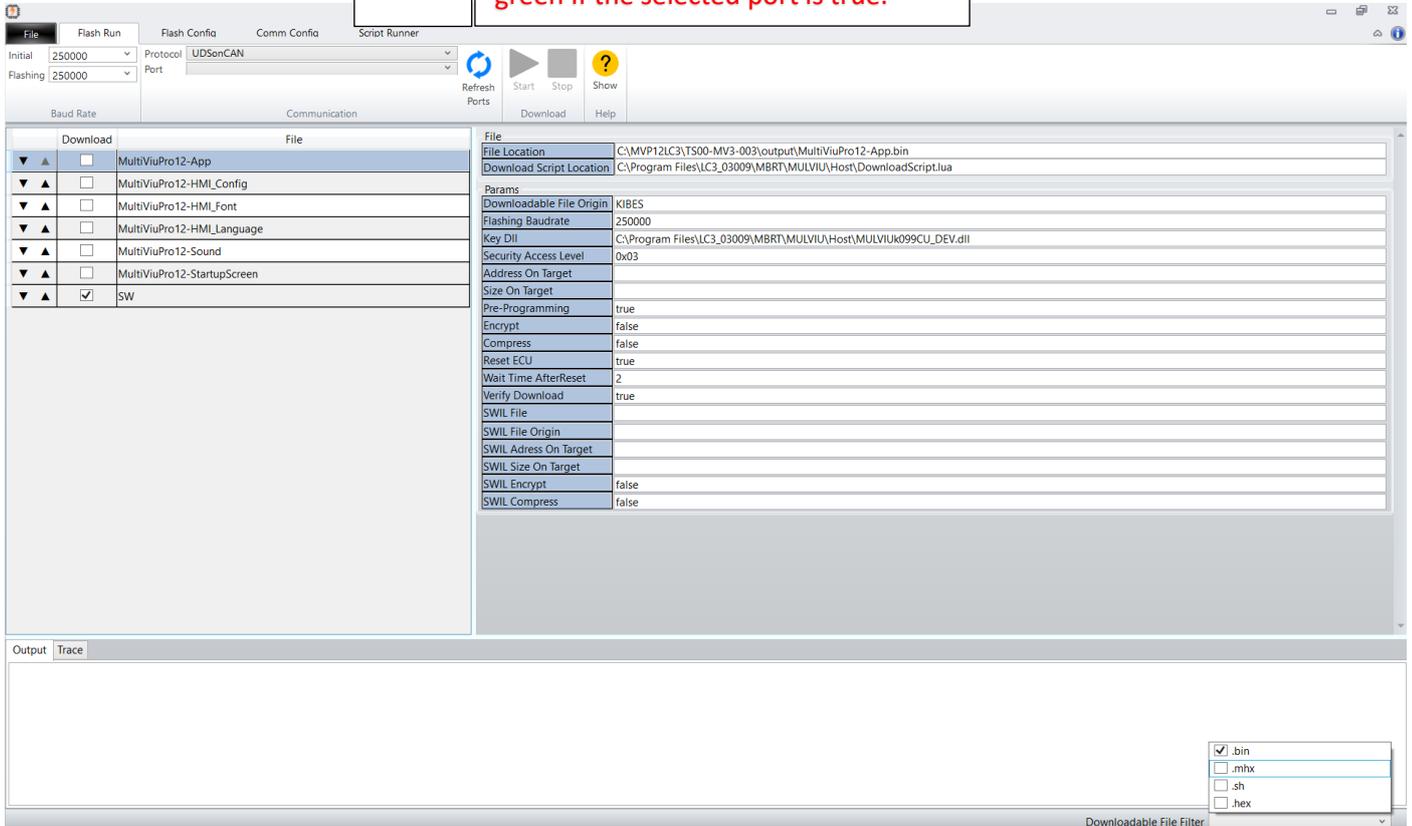


Open CV flash download.



1. click here

2. Then click here. Start arrow will be green If the selected port is true.

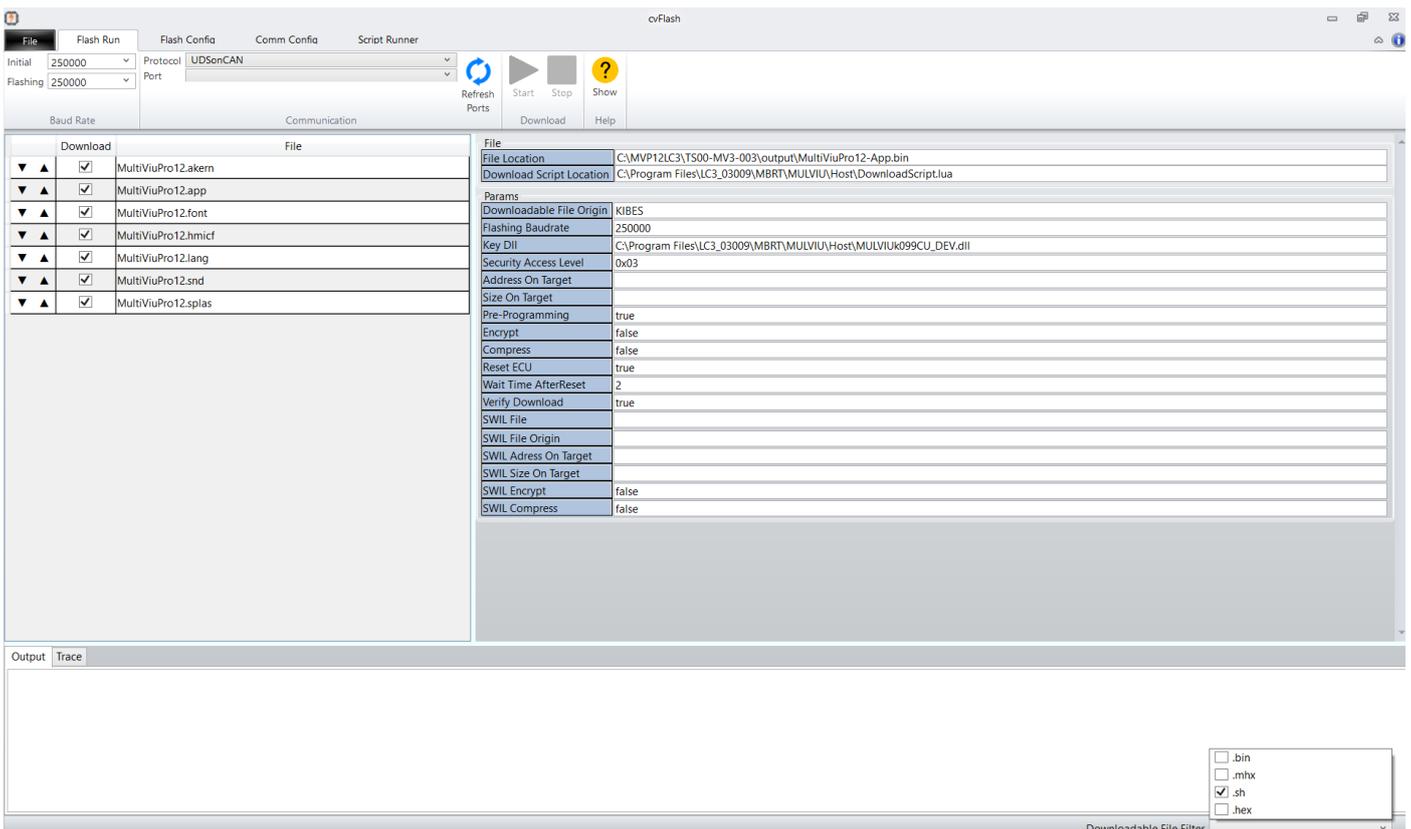


The screenshot shows the 'Flash Run' window with the following details:

- Initial Baud Rate:** 250000
- Flashing Baud Rate:** 250000
- Protocol:** UDSonCAN
- Port:** (empty)
- Download List:**

Download	File
<input type="checkbox"/>	MultiViuPro12-App
<input type="checkbox"/>	MultiViuPro12-HMI_Config
<input type="checkbox"/>	MultiViuPro12-HMI_Font
<input type="checkbox"/>	MultiViuPro12-HMI_Language
<input type="checkbox"/>	MultiViuPro12-Sound
<input type="checkbox"/>	MultiViuPro12-StartupScreen
<input checked="" type="checkbox"/>	SW
- File Location:** C:\MVP12LC3\TS00-MV3-003\output\MultiViuPro12-App.bin
- Downloadable File Origin:** KIBES
- Flashing Baudrate:** 250000
- Key Dll:** C:\Program Files\LC3\_03009\MBRT\MULVIU\Host\MULVIUk099CU\_DEV.dll
- Security Access Level:** 0x03
- Address On Target:** (empty)
- Size On Target:** (empty)
- Pre-Programming:** true
- Encrypt:** false
- Compress:** false
- Reset ECU:** true
- Wait Time AfterReset:** 2
- Verify Download:** true
- SWIL File:** (empty)
- SWIL File Origin:** (empty)
- SWIL Address On Target:** (empty)
- SWIL Size On Target:** (empty)
- SWIL Encrypt:** false
- SWIL Compress:** false

After SW.bin is installed, you can start by selecting .sh then again click Start button.



The screenshot shows the 'Flash Run' window with the following details:

- Initial Baud Rate:** 250000
- Flashing Baud Rate:** 250000
- Protocol:** UDSonCAN
- Port:** (empty)
- Download List:**

Download	File
<input checked="" type="checkbox"/>	MultiViuPro12.akern
<input checked="" type="checkbox"/>	MultiViuPro12.app
<input checked="" type="checkbox"/>	MultiViuPro12.font
<input checked="" type="checkbox"/>	MultiViuPro12.hmif
<input checked="" type="checkbox"/>	MultiViuPro12.lang
<input checked="" type="checkbox"/>	MultiViuPro12.snd
<input checked="" type="checkbox"/>	MultiViuPro12.splas
- File Location:** C:\MVP12LC3\TS00-MV3-003\output\MultiViuPro12-App.bin
- Downloadable File Origin:** KIBES
- Flashing Baudrate:** 250000
- Key Dll:** C:\Program Files\LC3\_03009\MBRT\MULVIU\Host\MULVIUk099CU\_DEV.dll
- Security Access Level:** 0x03
- Address On Target:** (empty)
- Size On Target:** (empty)
- Pre-Programming:** true
- Encrypt:** false
- Compress:** false
- Reset ECU:** true
- Wait Time AfterReset:** 2
- Verify Download:** true
- SWIL File:** (empty)
- SWIL File Origin:** (empty)
- SWIL Address On Target:** (empty)
- SWIL Size On Target:** (empty)
- SWIL Encrypt:** false
- SWIL Compress:** false



# SERVICE BULLETIN

12-When a warning occurs, click OK, then wait for the program to be downloaded. Do not cut the power off during the download process, this could cause the body controller to dysfunction.

## LABOR BREAKDOWN

<b>Application</b>	<b>Time</b>
Changing pinout of the pressure sensor	20'
Installing ZR5 Kibes Program	5'
Installing Multiviu Program	5'
Archive Installing of Multiviu	40'
<b>Total Labor Time</b>	<b>70'</b>

## AFFECTED VEHICLE LIST

No	Otpa No	Model	Chassis No	Country
1.	OA16975	TS45	NLTEJXA92P1000396	USA
2.	OA16974	TS45	NLTEJXA90P1000395	USA
3.	OA16973	TS45	NLTEJXA99P1000394	USA
4.	OA16972	TS45	NLTEJXA91P1000423	USA
5.	OA16900	TS45	NLTEJXA97P1000393	USA
6.	OA16899	TS45	NLTEJXA95P1000392	USA
7.	OA16785	TS45	NLTEJXA98P1000385	USA
8.	OA17002	TS45	NLTEJXA94P1000402	USA
9.	OA17001	TS45	NLTEJXA92P1000401	USA
10.	OA16979	TS45	NLTEJXA90P1000400	USA
11.	OA16978	TS45	NLTEJXA98P1000399	USA
12.	OA16977	TS45	NLTEJXA96P1000398	USA
13.	OA16976	TS45	NLTEJXA94P1000397	USA
14.	OA17100	TS45	NLTEJXA91P1000406	USA
15.	OA17038	TS45	NLTEJXA9XP1000405	USA
16.	OA17035	TS45	NLTEJXA98P1000404	USA
17.	OA17034	TS45	NLTEJXA96P1000403	USA
18.	OA17033	TS45	NLTEJXA96P1000434	USA
19.	OA17003	TS45	NLTEJXA94P1000433	USA
20.	OA17102	TS45	NLTEJXA95P1000408	USA
21.	OA17101	TS45	NLTEJXA93P1000407	USA
22.	OA17214	TS45	NLTEJXA96P1000417	USA
23.	OA17213	TS45	NLTEJXA94P1000416	USA
24.	OA17199	TS45	NLTEJXA92P1000415	USA
25.	OA17198	TS45	NLTEJXA90P1000414	USA
26.	OA17176	TS45	NLTEJXA99P1000413	USA
27.	OA17175	TS45	NLTEJXA97P1000412	USA
28.	OA17155	TS45	NLTEJXA95P1000411	USA
29.	OA17126	TS45	NLTEJXA93P1000410	USA
30.	OA17125	TS45	NLTEJXA97P1000409	USA
31.	OA17285	TS45	NLTEJXA94R1000421	USA
32.	OA17284	TS45	NLTEJXA92R1000420	USA
33.	OA17283	TS45	NLTEJXA96R1000419	USA
34.	OA17282	TS45	NLTEJXA94R1000418	USA
36.	OA17369	TS45	NLTEJXA99R1000432	USA
37.	OA17368	TS45	NLTEJXA97R1000431	USA
38.	OA17367	TS45	NLTEJXA95R1000430	USA
39.	OA17366	TS45	NLTEJXA99R1000429	USA
40.	OA17365	TS45	NLTEJXA97R1000428	USA
41.	OA17364	TS45	NLTEJXA95R1000427	USA
42.	OA17363	TS45	NLTEJXA93R1000426	USA
43.	OA17362	TS45	NLTEJXA91R1000425	USA

44.	OA17361	TS45	NLTEJXA9XR1000424	USA
45.	OA17286	TS45	NLTEJXA96R1000422	USA
46.	OA17690	TS45	NLTEJXA94R1000435	USA
47.	OA17693	TS45	NLTEJXA9XR1000438	USA
48.	OA17692	TS45	NLTEJXA98R1000437	USA
49.	OA17691	TS45	NLTEJXA96R1000436	USA
50.	OA17765	TS45	NLTEJXA91R1000442	USA
51.	OA17731	TS45	NLTEJXA9XR1000441	USA
52.	OA17730	TS45	NLTEJXA98R1000440	USA
53.	OA17729	TS45	NLTEJXA91R1000439	USA
54.	OA17767	TS45	NLTEJXA95R1000444	USA
55.	OA17766	TS45	NLTEJXA93R1000443	USA
56.	OA17855	TS45	NLTEJXA95R1000461	USA
57.	OA17854	TS45	NLTEJXA93R1000460	USA
58.	OA17853	TS45	NLTEJXA97R1000459	USA
59.	OA17850	TS45	NLTEJXA91R1000456	USA
60.	OA17817	TS45	NLTEJXA9XR1000455	USA
61.	OA17816	TS45	NLTEJXA98R1000454	USA
62.	OA17815	TS45	NLTEJXA96R1000453	USA
63.	OA17814	TS45	NLTEJXA94R1000452	USA
64.	OA17813	TS45	NLTEJXA92R1000451	USA
65.	OA17812	TS45	NLTEJXA90R1000450	USA
66.	OA17811	TS45	NLTEJXA94R1000449	USA
67.	OA17771	TS45	NLTEJXA92R1000448	USA
68.	OA17770	TS45	NLTEJXA90R1000447	USA
69.	OA17769	TS45	NLTEJXA99R1000446	USA
70.	OA17768	TS45	NLTEJXA97R1000445	USA
71.	OA17884	TS45	NLTEJXA99R1000463	USA
72.	OA17856	TS45	NLTEJXA97R1000462	USA
73.	OA17852	TS45	NLTEJXA95R1000458	CANADA
74.	OA17851	TS45	NLTEJXA93R1000457	CANADA
75.	OA17886	TS45	NLTEJXA92R1000465	USA
76.	OA17887	TS45	NLTEJXA94R1000466	USA
77.	OA18023	TS45	NLTEJXA99R1000480	USA
78.	OA18022	TS45	NLTEJXA92R1000479	USA
79.	OA18021	TS45	NLTEJXA90R1000478	USA
80.	OA17991	TS45	NLTEJXA99R1000477	USA
81.	OA17990	TS45	NLTEJXA97R1000476	USA
82.	OA17989	TS45	NLTEJXA95R1000475	USA
83.	OA17988	TS45	NLTEJXA93R1000474	USA
84.	OA17977	TS45	NLTEJXA91R1000473	USA
85.	OA17976	TS45	NLTEJXA9XR1000472	USA
86.	OA17975	TS45	NLTEJXA98R1000471	USA
87.	OA17974	TS45	NLTEJXA96R1000470	USA

88.	OA17940	TS45	NLTEJXA9XR1000469	USA
89.	OA17939	TS45	NLTEJXA98R1000468	USA
90.	OA17927	TS45	NLTEJXA96R1000467	USA
91.	OA18157	TS45	NLTEJXA98R1000499	USA
92.	OA18140	TS45	NLTEJXA99R1000494	USA
93.	OA18139	TS45	NLTEJXA97R1000493	USA
94.	OA18138	TS45	NLTEJXA95R1000492	USA
95.	OA18137	TS45	NLTEJXA93R1000491	USA
96.	OA18097	TS45	NLTEJXA95R1000489	USA
97.	OA18045	TS45	NLTEJXA96R1000484	USA
98.	OA18024	TS45	NLTEJXA90R1000481	USA
99.	OA18044	TS45	NLTEJXA94R1000483	USA
100.	OA18098	TS45	NLTEJXA91R1000490	USA
101.	OA18096	TS45	NLTEJXA93R1000488	USA
102.	OA18095	TS45	NLTEJXA91R1000487	USA
103.	OA18047	TS45	NLTEJXA9XR1000486	USA
104.	OA18046	TS45	NLTEJXA98R1000485	USA
105.	OA18043	TS45	NLTEJXA92R1000482	USA
106.	OA18200	TS45	NLTEJXA97R1000512	USA
107.	OA18196	TS45	NLTEJXA95R1000508	USA
108.	OA18195	TS45	NLTEJXA93R1000507	USA
109.	OA18164	TS45	NLTEJXA91R1000506	USA
110.	OA18162	TS45	NLTEJXA98R1000504	USA
111.	OA18159	TS45	NLTEJXA92R1000501	USA
112.	OA18158	TS45	NLTEJXA90R1000500	USA
113.	OA18156	TS45	NLTEJXA96R1000498	USA
114.	OA18155	TS45	NLTEJXA94R1000497	USA
115.	OA18141	TS45	NLTEJXA90R1000495	USA
116.	OA18270	TS45	NLTEJXA95R1000525	USA
117.	OA18258	TS45	NLTEJXA93R1000524	USA
118.	OA18256	TS45	NLTEJXA9XR1000522	USA
119.	OA18255	TS45	NLTEJXA98R1000521	USA
120.	OA18254	TS45	NLTEJXA96R1000520	USA
121.	OA18229	TS45	NLTEJXA9XR1000519	USA
122.	OA18228	TS45	NLTEJXA98R1000518	USA
123.	OA18227	TS45	NLTEJXA96R1000517	USA
124.	OA18204	TS45	NLTEJXA94R1000516	USA
125.	OA18203	TS45	NLTEJXA92R1000515	USA
126.	OA18202	TS45	NLTEJXA90R1000514	USA
127.	OA18201	TS45	NLTEJXA99R1000513	USA
128.	OA18199	TS45	NLTEJXA95R1000511	USA
129.	OA18198	TS45	NLTEJXA93R1000510	USA
130.	OA18197	TS45	NLTEJXA97R1000509	USA
131.	OA18163	TS45	NLTEJXA9XR1000505	USA

132.	OA18161	TS45	NLTEJXA96R1000503	USA
133.	OA18160	TS45	NLTEJXA94R1000502	USA
134.	OA18154	TS45	NLTEJXA92R1000496	USA
135.	OA17885	TS45	NLTEJXA90R1000464	USA
136.	OA18365	TS45	NLTEJXA94R1000533	USA
137.	OA18364	TS45	NLTEJXA92R1000532	USA
138.	OA18295	TS45	NLTEJXA99R1000530	USA
139.	OA18294	TS45	NLTEJXA92R1000529	USA
140.	OA18293	TS45	NLTEJXA90R1000528	USA
141.	OA18272	TS45	NLTEJXA99R1000527	USA
142.	OA18271	TS45	NLTEJXA97R1000526	USA
143.	OA18257	TS45	NLTEJXA91R1000523	USA
144.	OA18394	TS45	NLTEJXA91R1000540	USA
145.	OA18369	TS45	NLTEJXA91R1000537	USA
146.	OA18368	TS45	NLTEJXA9XR1000536	USA
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149.	OA18349	TS45	NLTEJXA90R1000531	USA
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151.	OA18476	TS45	NLTEJXB9XS1000556	USA
152.	OA18465	TS45	NLTEJXB92S1000552	USA
153.	OA18464	TS45	NLTEJXB90S1000551	USA
154.	OA18463	TS45	NLTEJXB99S1000550	USA
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157.	OA18439	TS45	NLTEJXB99S1000547	USA
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160.	OA18436	TS45	NLTEJXB93S1000544	USA
161.	OA18435	TS45	NLTEJXB91S1000543	USA
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163.	OA18433	TS45	NLTEJXB98S1000541	USA
164.	OA18370	TS45	NLTEJXA93R1000538	USA
165.	OA18511	TS45	NLTEJXB97S1000563	USA
166.	OA18501	TS45	NLTEJXB95S1000562	USA
167.	OA18475	TS45	NLTEJXB98S1000555	USA
168.	OA18467	TS45	NLTEJXB96S1000554	USA
169.	OA18466	TS45	NLTEJXB94S1000553	USA
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172.	OA18588	TS45	NLTEJXB9XS1000573	USA
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174.	OA18586	TS45	NLTEJXB96S1000571	USA
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176.	OA18584	TS45	NLTEJXB98S1000569	USA
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187.	OA18701	TS45	NLTEJXB99S1000595	USA
188.	OA18700	TS45	NLTEJXB97S1000594	USA
189.	OA18699	TS45	NLTEJXB95S1000593	USA
190.	OA18698	TS45	NLTEJXB93S1000592	USA
191.	OA18671	TS45	NLTEJXB93S1000589	USA
192.	OA18669	TS45	NLTEJXB9XS1000587	USA
193.	OA18667	TS45	NLTEJXB96S1000585	USA
194.	OA18642	TS45	NLTEJXB92S1000583	USA
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196.	OA18617	TS45	NLTEJXB90S1000579	USA
197.	OA18616	TS45	NLTEJXB99S1000578	USA
198.	OA18615	TS45	NLTEJXB97S1000577	USA
199.	OA18614	TS45	NLTEJXB95S1000576	USA
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202.	OA18670	TS45	NLTEJXB91S1000588	USA
203.	OA18668	TS45	NLTEJXB98S1000586	USA
204.	OA18643	TS45	NLTEJXB94S1000584	USA
205.	OA18641	TS45	NLTEJXB90S1000582	USA
206.	OA18613	TS45	NLTEJXB93S1000575	USA
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209.	OA18754	TS45	NLTEJXB98S1000605	USA
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211.	OA18737	TS45	NLTEJXB94S1000603	USA
212.	OA18736	TS45	NLTEJXB92S1000602	USA
213.	OA18735	TS45	NLTEJXB90S1000601	USA
214.	OA18734	TS45	NLTEJXB99S1000600	USA
215.	OA18720	TS45	NLTEJXB96S1000599	USA
216.	OA18718	TS45	NLTEJXB92S1000597	USA
217.	OA18717	TS45	NLTEJXB90S1000596	USA
218.	OA18833	TS45	NLTEJXB9XS1000623	CANADA
219.	OA18832	TS45	NLTEJXB98S1000622	CANADA

220.	OA18830	TS45	NLTEJXB94S1000620	CANADA
221.	OA18828	TS45	NLTEJXB96S1000618	CANADA
222.	OA18831	TS45	NLTEJXB96S1000621	USA
223.	OA18829	TS45	NLTEJXB98S1000619	USA
224.	OA18827	TS45	NLTEJXB94S1000617	USA
225.	OA18826	TS45	NLTEJXB92S1000616	USA
226.	OA18825	TS45	NLTEJXB90S1000615	USA
227.	OA18824	TS45	NLTEJXB99S1000614	USA
228.	OA18823	TS45	NLTEJXB97S1000613	USA
229.	OA18793	TS45	NLTEJXB95S1000612	USA
230.	OA18792	TS45	NLTEJXB93S1000611	USA
231.	OA18791	TS45	NLTEJXB91S1000610	USA
232.	OA18790	TS45	NLTEJXB95S1000609	USA
233.	OA18757	TS45	NLTEJXB93S1000608	USA
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235.	OA18868	TS45	NLTEJXB93S1000625	USA
236.	OA18896	TS45	NLTEJXB90S1000629	USA
237.	OA18895	TS45	NLTEJXB99S1000628	USA
238.	OA18870	TS45	NLTEJXB97S1000627	USA
240.	OA18900	TS45	NLTEJXB92S1000633	USA
241.	OA18869	TS45	NLTEJXB95S1000626	USA
242.	OA18867	TS45	NLTEJXB91S1000624	USA
243.	OA18975	TS45	NLTEJXB97S1000644	USA
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247.	OA18942	TS45	NLTEJXB9XS1000640	USA
248.	OA18906	TS45	NLTEJXB93S1000639	USA
249.	OA18905	TS45	NLTEJXB91S1000638	USA
250.	OA18904	TS45	NLTEJXB9XS1000637	USA
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252.	OA18901	TS45	NLTEJXB94S1000634	USA
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254.	OA19011	TS45	NLTEJXB91S1000655	USA
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258.	OA18976	TS45	NLTEJXB99S1000645	USA
259.	OA18902	TS45	NLTEJXB96S1000635	USA
260.	OA18899	TS45	NLTEJXB90S1000632	USA
261.	OA19002	TS45	NLTEJXB92S1000650	USA
262.	OA19001	TS45	NLTEJXB96S1000649	USA
263.	OA18979	TS45	NLTEJXB94S1000648	USA

264.	OA18978	TS45	NLTEJXB92S1000647	USA
265.	OA18897	TS45	NLTEJXB97S1000630	USA
266.	OA19083	TS45	NLTEJXB98S1000667	USA
267.	OA19063	TS45	NLTEJXB92S1000664	USA
268.	OA19029	TS45	NLTEJXB90S1000663	USA
269.	OA19012	TS45	NLTEJXB93S1000656	USA
270.	OA19010	TS45	NLTEJXB9XS1000654	USA
271.	OA19107	TS45	NLTEJXB91S1000672	USA
272.	OA19106	TS45	NLTEJXB9XS1000671	USA
273.	OA19105	TS45	NLTEJXB98S1000670	USA
274.	OA19104	TS45	NLTEJXB91S1000669	USA
275.	OA19084	TS45	NLTEJXB9XS1000668	USA
276.	OA19082	TS45	NLTEJXB96S1000666	USA
277.	OA19081	TS45	NLTEJXB94S1000665	USA
278.	OA19028	TS45	NLTEJXB99S1000662	USA
279.	OA19013	TS45	NLTEJXB95S1000657	USA
280.	OA19027	TS45	NLTEJXB97S1000661	CANADA
281.	OA19016	TS45	NLTEJXB95S1000660	CANADA
282.	OA19015	TS45	NLTEJXB99S1000659	CANADA
283.	OA19014	TS45	NLTEJXB97S1000658	CANADA
284.	OA19326	TS45	NLTEJXB92T1000682	USA
285.	OA19308	TS45	NLTEJXB99T1000680	USA
286.	OA19307	TS45	NLTEJXB92T1000679	USA
287.	OA19244	TS45	NLTEJXB90T1000678	USA
288.	OA19243	TS45	NLTEJXB99T1000677	USA
289.	OA19242	TS45	NLTEJXB97T1000676	USA
290.	OA19241	TS45	NLTEJXB95T1000675	USA
291.	OA19240	TS45	NLTEJXB93T1000674	USA
292.	OA19231	TS45	NLTEJXB91T1000673	USA
293.	OA19349	TS45	NLTEJXB9XT1000686	USA
294.	OA19328	TS45	NLTEJXB96T1000684	USA
295.	OA19327	TS45	NLTEJXB94T1000683	USA
296.	OA19325	TS45	NLTEJXB90T1000681	USA
297.	OA19491	TS45	NLTEJXB92T1000701	USA
298.	OA19462	TS45	NLTEJXB99T1000694	USA
299.	OA19461	TS45	NLTEJXB97T1000693	USA
300.	OA19373	TS45	NLTEJXB93T1000688	USA
301.	OA19372	TS45	NLTEJXB91T1000687	USA
302.	OA19329	TS45	NLTEJXB98T1000685	USA
303.	OA19488	TS45	NLTEJXB96T1000698	USA
304.	OA19487	TS45	NLTEJXB94T1000697	USA
305.	OA19490	TS45	NLTEJXB90T1000700	USA
306.	OA19489	TS45	NLTEJXB98T1000699	USA
307.	OA19464	TS45	NLTEJXB92T1000696	USA

308.	OA19463	TS45	NLTEJXB90T1000695	USA
309.	OA19460	TS45	NLTEJXB95T1000692	USA
310.	OA19458	TS45	NLTEJXB91T1000690	USA
311.	OA19582	TS45	NLTEJXB97T1000709	USA
312.	OA19557	TS45	NLTEJXB95T1000708	USA
313.	OA19625	TS45	NLTEJXB96T1000717	USA
314.	OA19623	TS45	NLTEJXB92T1000715	USA
315.	OA19622	TS45	NLTEJXB90T1000714	USA
316.	OA19621	TS45	NLTEJXB99T1000713	USA
317.	OA19585	TS45	NLTEJXB97T1000712	USA
318.	OA19584	TS45	NLTEJXB95T1000711	USA
319.	OA19583	TS45	NLTEJXB93T1000710	USA
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321.	OA19555	TS45	NLTEJXB91T1000706	USA
322.	OA19554	TS45	NLTEJXB9XT1000705	USA
323.	OA19553	TS45	NLTEJXB98T1000704	USA
324.	OA19552	TS45	NLTEJXB96T1000703	USA
325.	OA19492	TS45	NLTEJXB94T1000702	USA
326.	OA19459	TS45	NLTEJXB93T1000691	USA
327.	OA19437	TS45	NLTEJXB95T1000689	USA
328.	OA19632	TS45	NLTEJXB98T1000718	USA
329.	OA19624	TS45	NLTEJXB94T1000716	USA
330.	OA19786	TS45	NLTEJXB94T1000733	USA
331.	OA19784	TS45	NLTEJXB90T1000731	USA
332.	OA19744	TS45	NLTEJXB95T1000725	USA
333.	OA19695	TS45	NLTEJXB93T1000724	USA
334.	OA19671	TS45	NLTEJXB98T1000721	USA
335.	OA19670	TS45	NLTEJXB96T1000720	USA
336.	OA19669	TS45	NLTEJXB9XT1000719	USA
337.	OA19832	TS45	NLTEJXB91T1000737	USA
338.	OA19788	TS45	NLTEJXB98T1000735	USA
339.	OA19777	TS45	NLTEJXB99T1000730	USA
340.	OA19775	TS45	NLTEJXB90T1000728	USA
341.	OA19746	TS45	NLTEJXB99T1000727	USA
342.	OA19745	TS45	NLTEJXB97T1000726	USA
343.	OA19694	TS45	NLTEJXB91T1000723	USA
344.	OA19693	TS45	NLTEJXB9XT1000722	USA
345.	OA19776	TS45	NLTEJXB92T1000729	USA
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347.	OA19838	TS45	NLTEJXB97T1000743	USA
348.	OA19834	TS45	NLTEJXB95T1000739	USA
349.	OA19833	TS45	NLTEJXB93T1000738	USA
350.	OA19789	TS45	NLTEJXB9XT1000736	USA
351.	OA19787	TS45	NLTEJXB96T1000734	USA

352.	OA19785	TS45	NLTEJXB92T1000732	USA
353.	OA19841	TS45	NLTEJXB92T1000746	USA
354.	OA19836	TS45	NLTEJXB93T1000741	USA
355.	OA19956	TS45	NLTEJXB99T1000758	USA
356.	OA19840	TS45	NLTEJXB90T1000745	USA
357.	OA19839	TS45	NLTEJXB99T1000744	USA
358.	OA19837	TS45	NLTEJXB95T1000742	USA
359.	OA19835	TS45	NLTEJXB91T1000740	USA
360.	OA19955	TS45	NLTEJXB97T1000757	USA
361.	OA19894	TS45	NLTEJXB95T1000756	USA
362.	OA19893	TS45	NLTEJXB93T1000755	USA
363.	OA19892	TS45	NLTEJXB91T1000754	USA
364.	OA19890	TS45	NLTEJXB98T1000752	USA
365.	OA19889	TS45	NLTEJXB96T1000751	USA
366.	OA19888	TS45	NLTEJXB94T1000750	USA
367.	OA19878	TS45	NLTEJXB96T1000748	USA