

Subject: TS30 Mux Units Pin Changing and Diode Checking Bulletin

Bulletin Type: Service Campaign Recall

Bulletin No: TS30-SR-2501

PQR No: 500000007839

Rev No:00

Ref. No: 700004732

Vehicle Model: TS30

Flat Rate Time / Code: 120 min

Date of issue: 09.05.2025

Modify Before: 09.05.2026

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 Mux 06A033, 06A035 and 06A037 issues.

Bulletin Responsible: Bahadır Kaya, İbrahim Oğuz

Published & Approved By: Cemre Kılınç

SAFETY INSTRUCTIONS

1. Mechanical Requested Dress Code

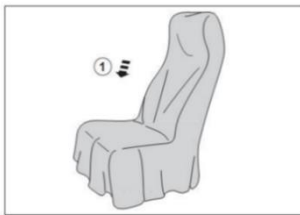


WARNING:

- 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

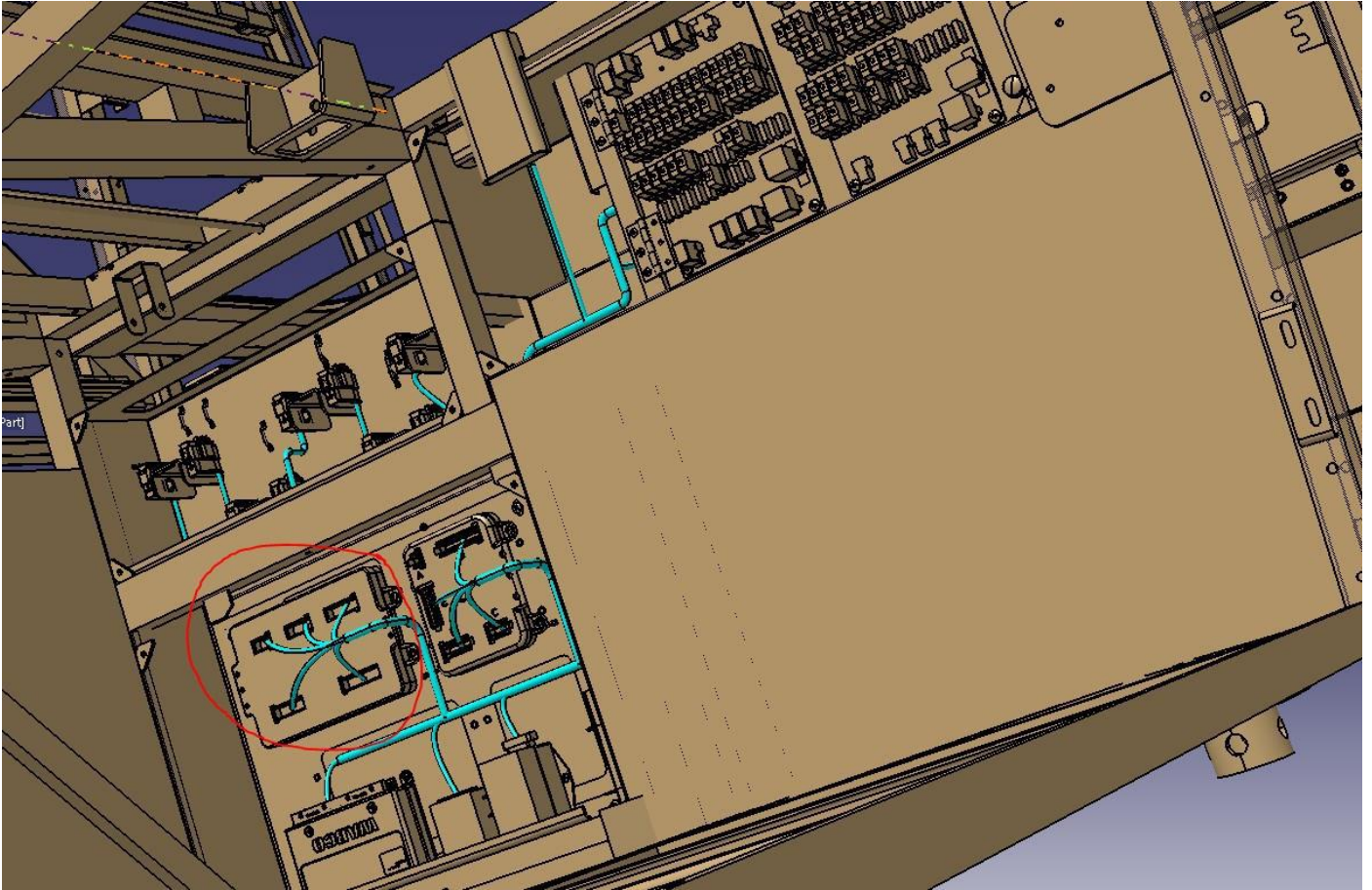


- ✓ Seats, trimming, upholstery stuff and carpeting should be protected with appropriate coverings.

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.

1-) Open the right front luggage lid. Locate the MUX5-B 1.1 Which is numbered as 06A033.



2.) Step 1: Check the diode on the “P12V003-237” socket. If there is no diode on this pin, you should add the diode that in the part list , as “Figure 1.1”.

If there is a diode, then check the diode polarity and make sure that this is good and working properly. If this diode is damaged, replace it.

Step 2: Remove the cable on pin B15 in the P06A033-B socket on the front relay panel. Blind and insulate the removed cable with electrical tape “Figure 1.1”

Step 3: Remove “P01V003-24” diode. Then join the cables “01K027-30-6” and “0A6033-0-5” each other. Use solder for joining wires. Then make sure that there is a good joint and insulate joint with electrical tape.

The implementation must match the Figure 1.2.

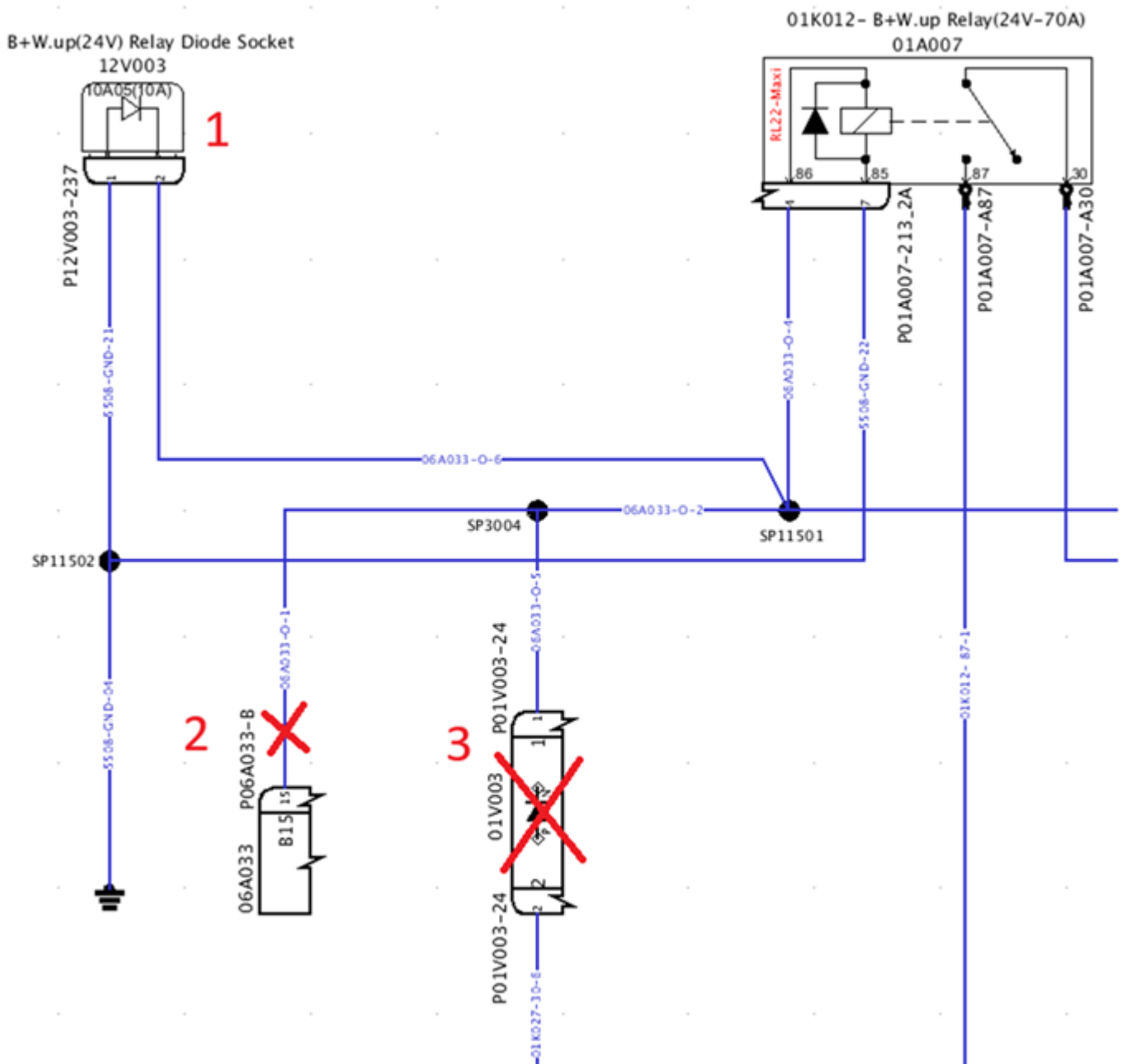


Figure 1.1 Existing Diagram

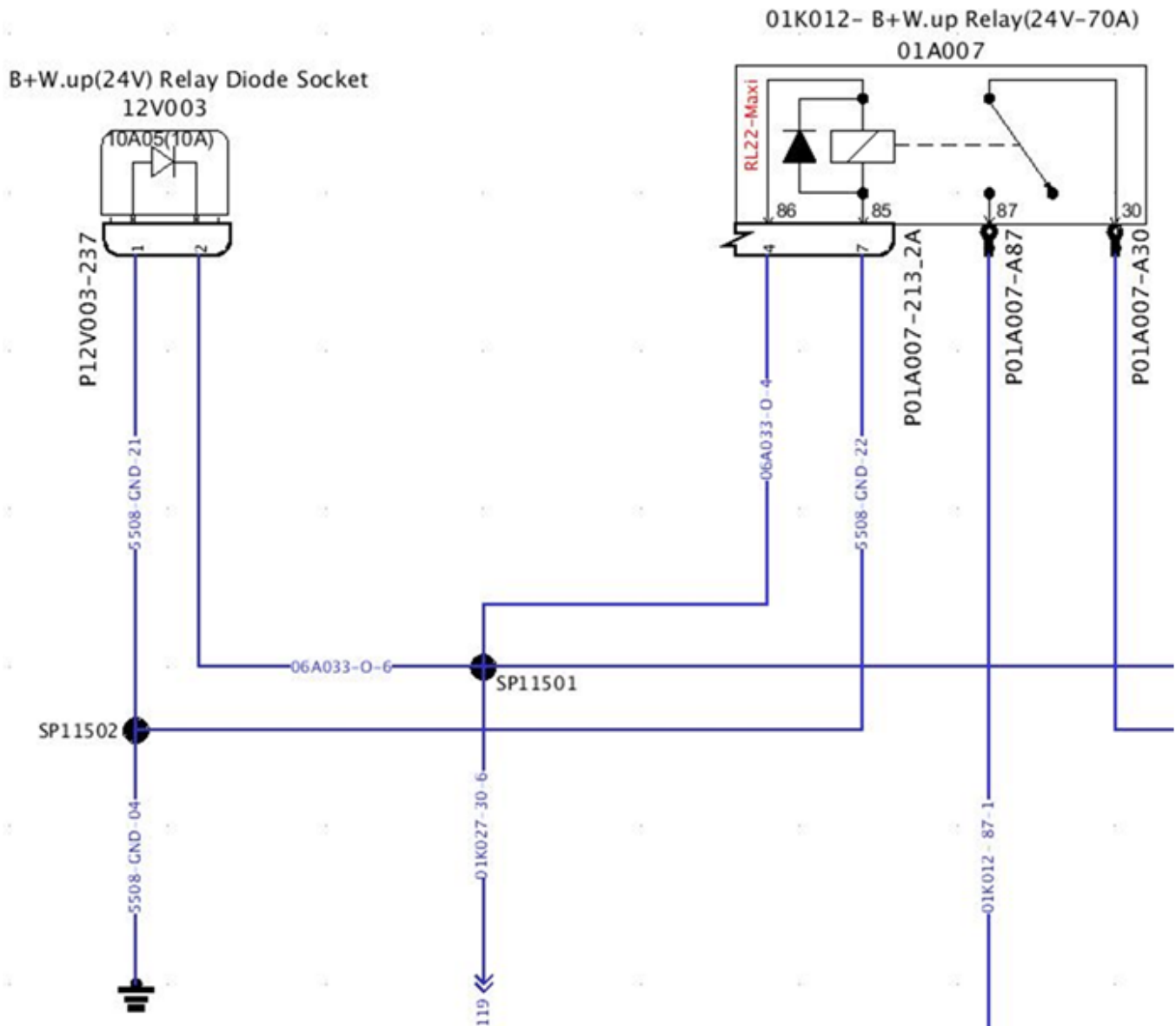


Figure 1.2 - Implemented Diagram for Figure 1.1

3.) Remove the cable “08Y001-2” cable from front relay panel P06A033-B pin **B16**, cut the its terminal from wire then crimp the new terminal “9402-158Y”. Connect this cable to P06A033-B pin “**B24**” in Figure 2.

Then check the diode on the “10V001” socket. If there is no diode on this pin, you should add the diode that in the part list , as “**Figure 2**”.

If there is a diode, then check the diode polarity and make sure that this is good and working properly. If this diode is damaged, replace it.

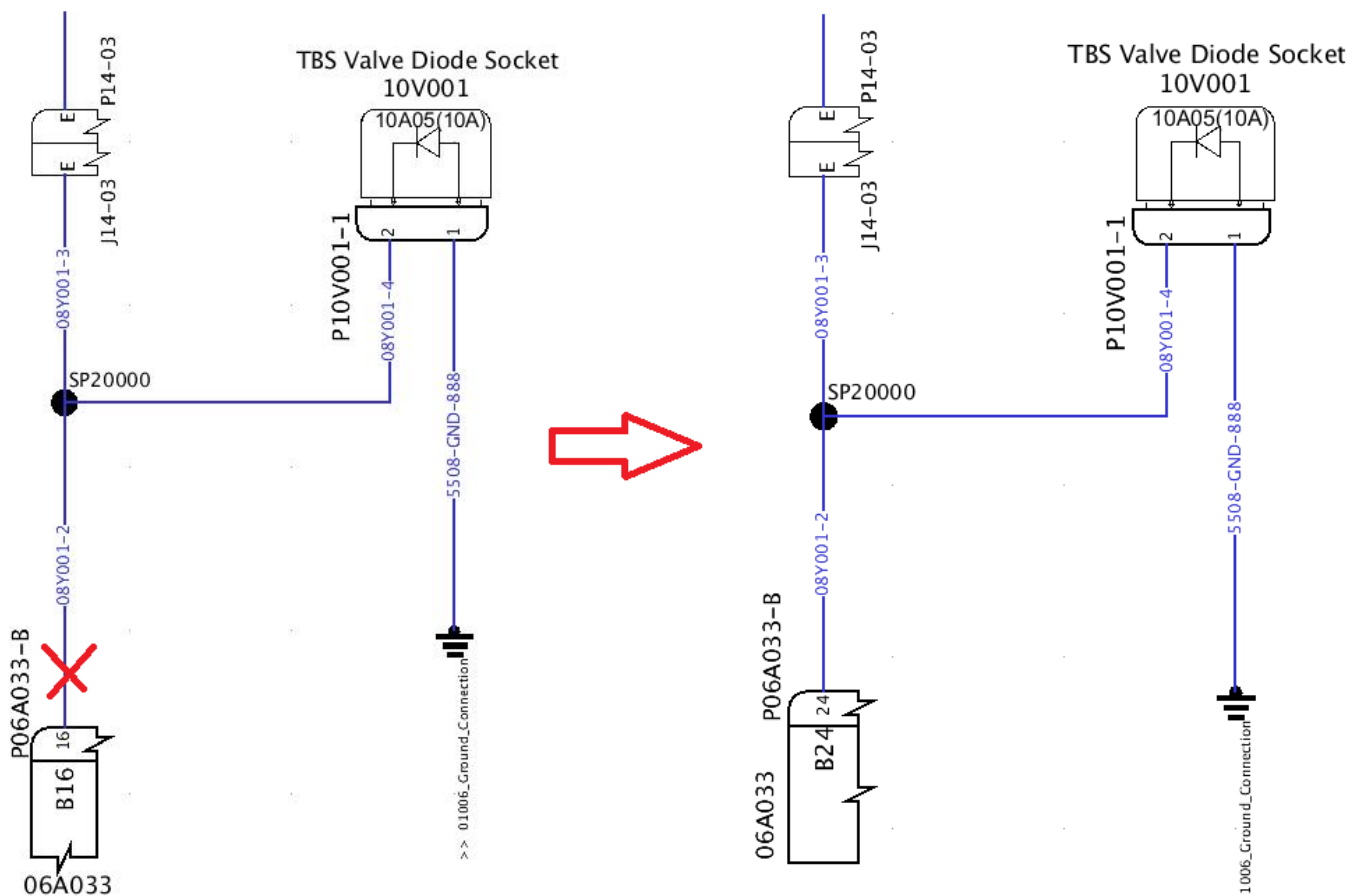


Figure -2- Moving B16 pin to B24

3-) Step 1: At front relay panel, remove the **P12V003-4** diode and join the “**02K003-30-1**” cable and

“**01K017-87a-1**” cables each other. Use solder for joining wires. Then make sure that there is a good joint and insulate joint with electrical tape.

Step 2: Find “**P01A007-216-1A**” socket from the front relay panel, remove the “**RL-B+-4**” cable from pin8 . Then blind and insulate the removed cable with electrical tape.

Step 3: Remove “**01K017-87a-1**” cable from pin1 of “**P01A007-216-1A**” socket then connect it to pin8.

The implementation must match “Figure 3.2”

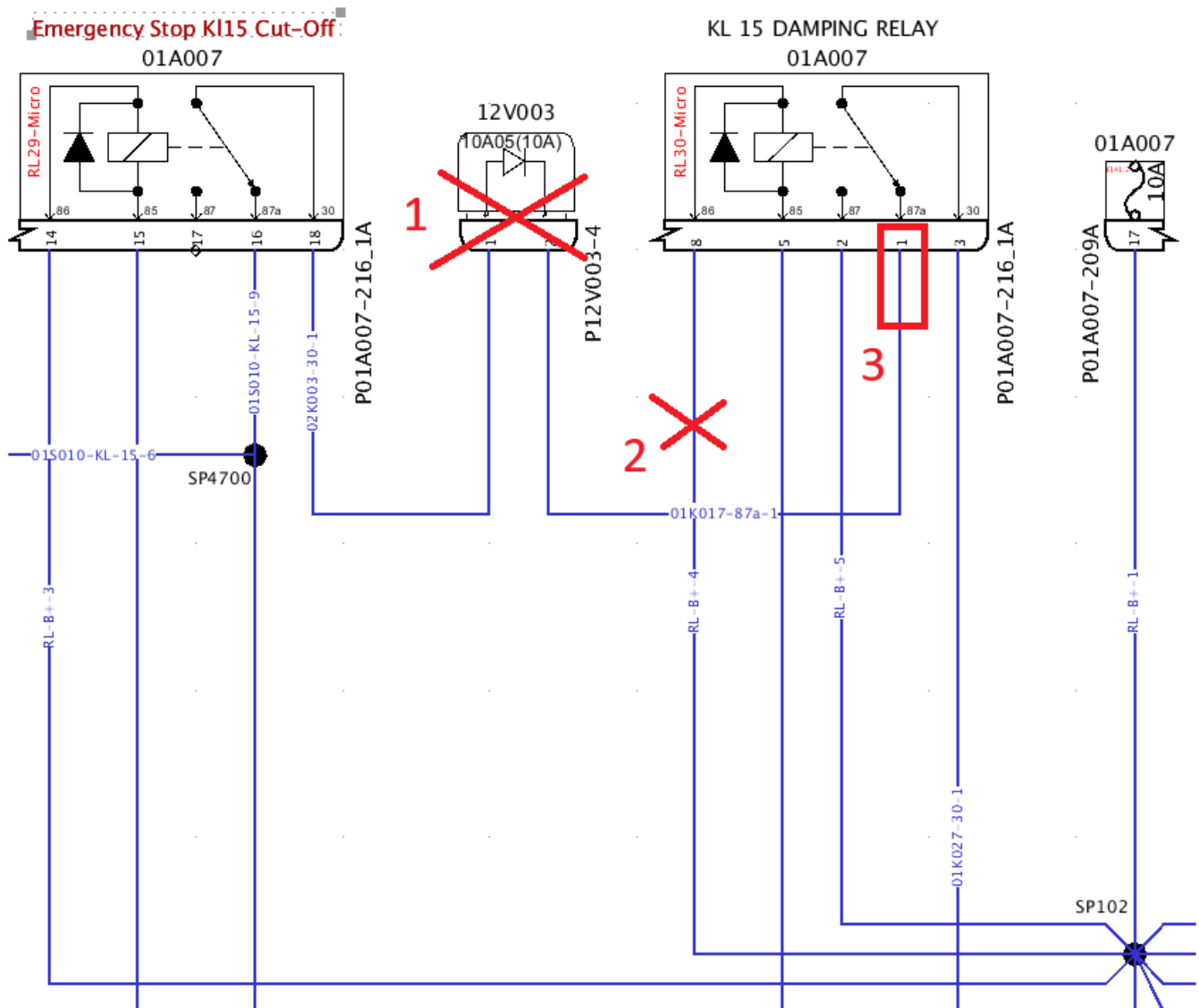


Figure-3.1- Existing Diagram

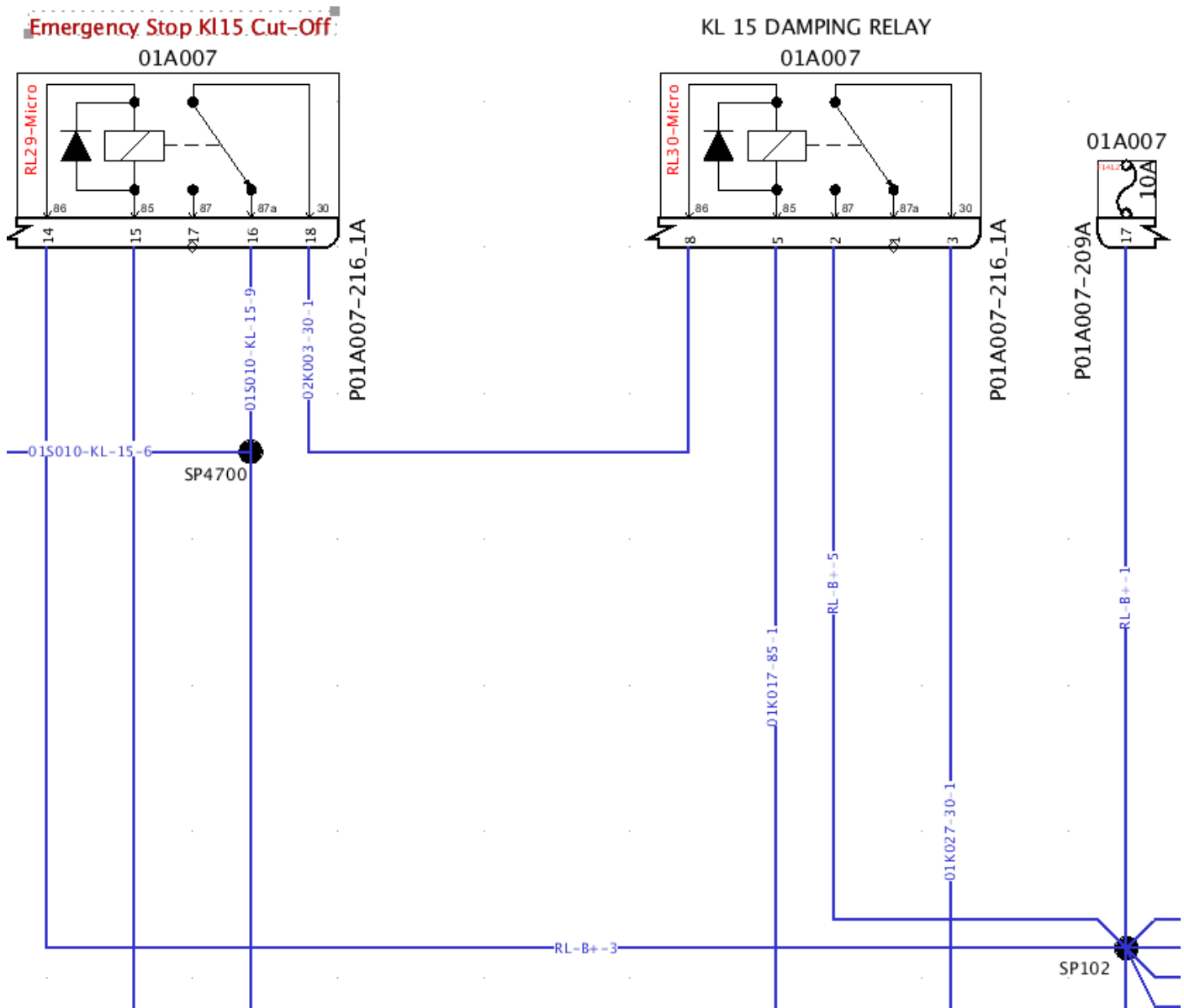
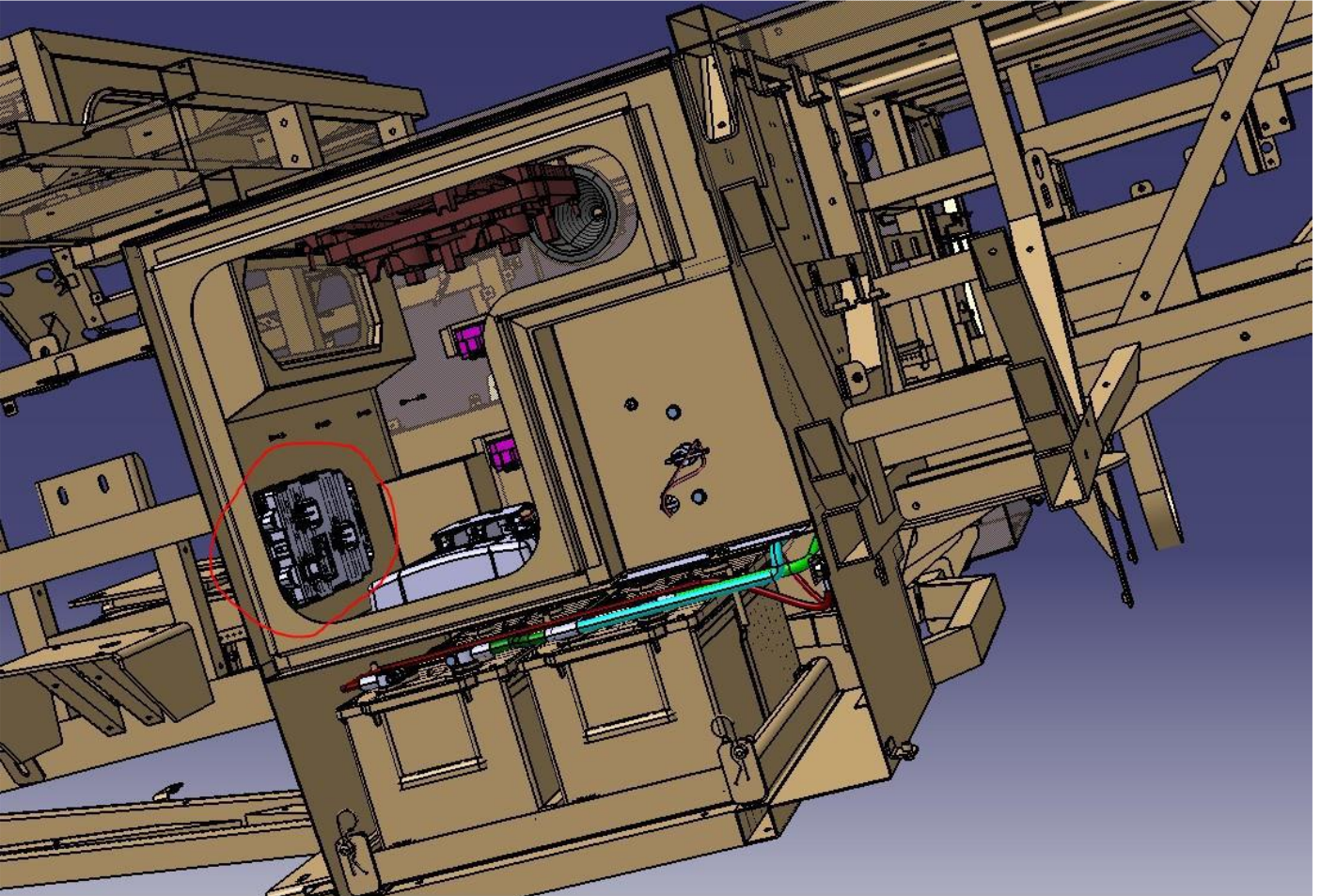


Figure 3.2-Implemented Diagram for Figure 3.1

4-) Open the rear relay panel lid. Locate the MUX5-B 2.1 Which is numbered as 06A037.



If there is a diode, then check the diode polarity and make sure that this is good and working properly. If this diode is damaged, replace it.

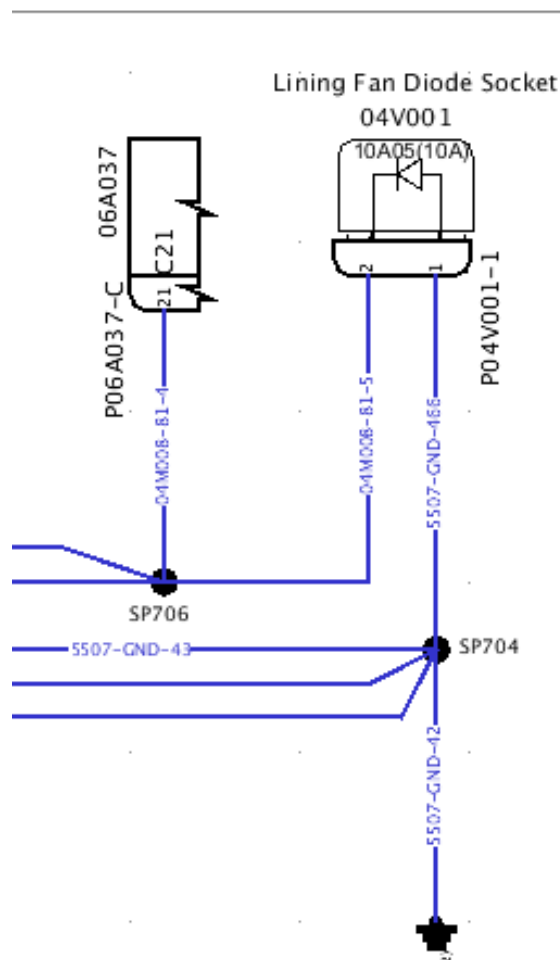


Figure-4-

6-) Open the front body panel and locate Mux 1.3 06A035.

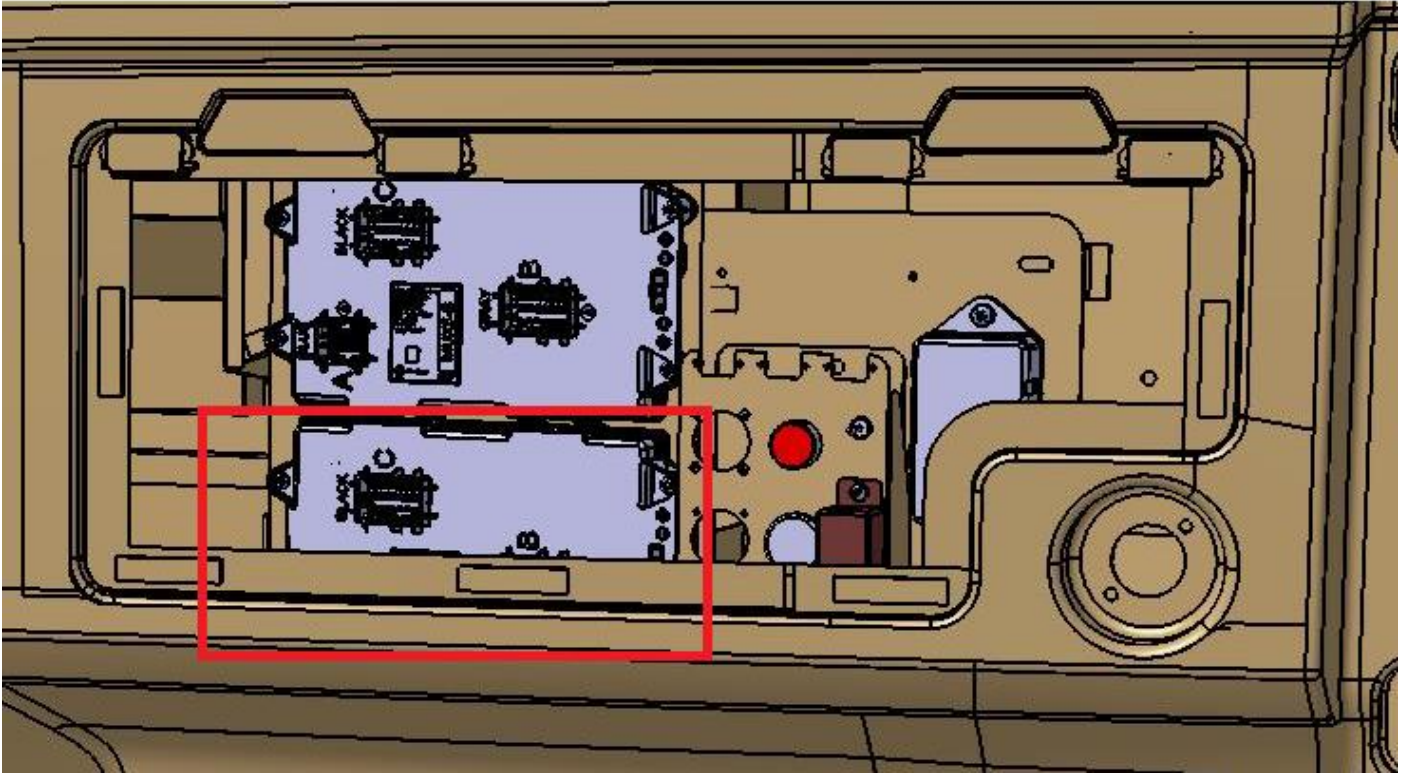


Figure 5

7-) Remove the cable on pin C7 in the P06A035-C socket on the front body panel. Blind and insulate the removed cable with electrical tape. (Figure-6-)

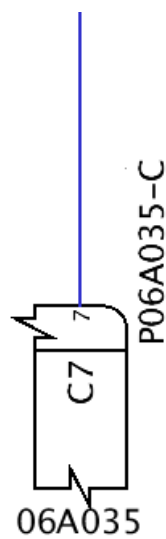
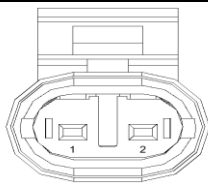
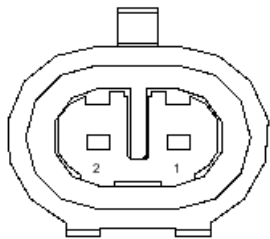


Figure-6-

INCLUDING PART LIST

PART NUMBER	PART DESCRIPTION	QTY	SYMBOL
9460-549	CONN-MALE-2 WAYS-SEALED	3	
9402-81Y	T-FEM-0,75-1,5 mm2	6	
96200-6301-02Y	SEAL	6	
9431-22Y	DIODE, 10A10(10A)	3	
9460-554	CONN-FEMALE-2 WAYS-SEALED	3	
9402-190Y	T-MALE-1,5 – 2,5 mm2	6	
9402-158Y	T-FEM-0,5-1,0 mm2	1	
96210-6200-02Y	SEAL	6	

The program Links

ZR5 :

**** TS04-LC3-000** software should be installed on vehicles with software starting with **TS02-LC3-...**

<https://content.temsa.com/sapcs?get&pVersion=0045&contRep=ZADNSPEKTEP07101&docId=0050568F725E1FE087DCF91ED61D04BC&accessMode=r&compId=TS04-LC3-000.zip>

**** TS05-LC3-000** software should be installed on vehicles with software starting with **TS03-LC3-...**

<https://content.temsa.com/sapcs?get&pVersion=0045&contRep=ZADNSPEKTEP07101&docId=0050568F725E1FE087DCF0494DCAC4BC&accessMode=r&compId=TS05-LC3-000.zip>

Multiviu :

****TS02-MV-009** software should be installed on vehicles with software starting with **TS02-MV-...**

https://content.temsa.com/sapcs?get&pVersion=0045&contRep=ZADNSPEKTEP07101&docId=0050568F725E1EEFBFE8994B08D484B9&accessMode=r&compId=TS02_MV_009.L2P.zip

****If the vehicle has TS00-MV3-000 or later, you don't need to update Multiviu.**

Important Note:

-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.

-Before downloading the ZR5 software; you have to check, which program variant is installed on the vehicle. If **"TS02-LC3-..."** is installed then you should download **"TS04-LC3-000"**.

If **"TS03-LC3-..."** is installed then you should download **"TS05-LC3-000"**

-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.

Uploading the up to date program(ZR5):

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

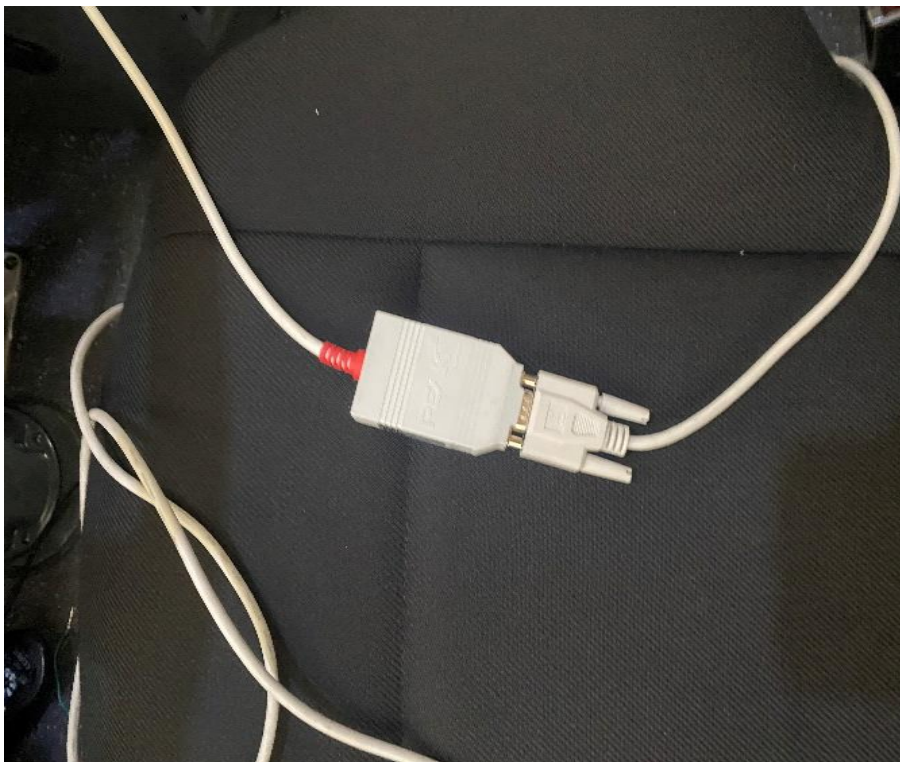
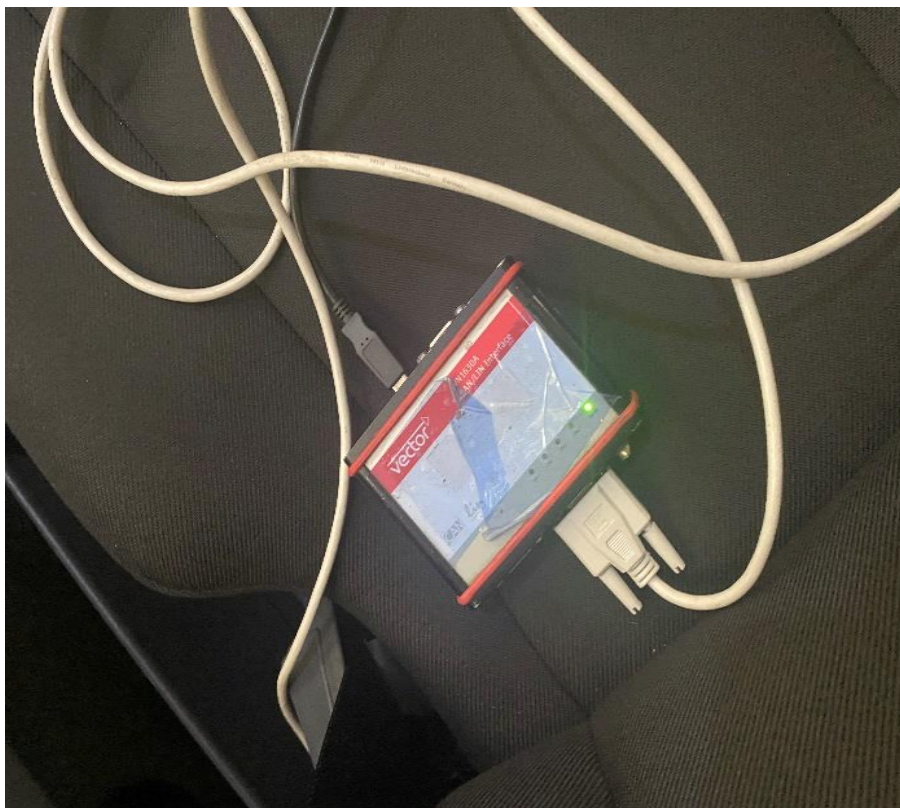


- 2- To install the ZR5 software, locate the KIBES socket next to the OBD socket by looking at the label on the cover.

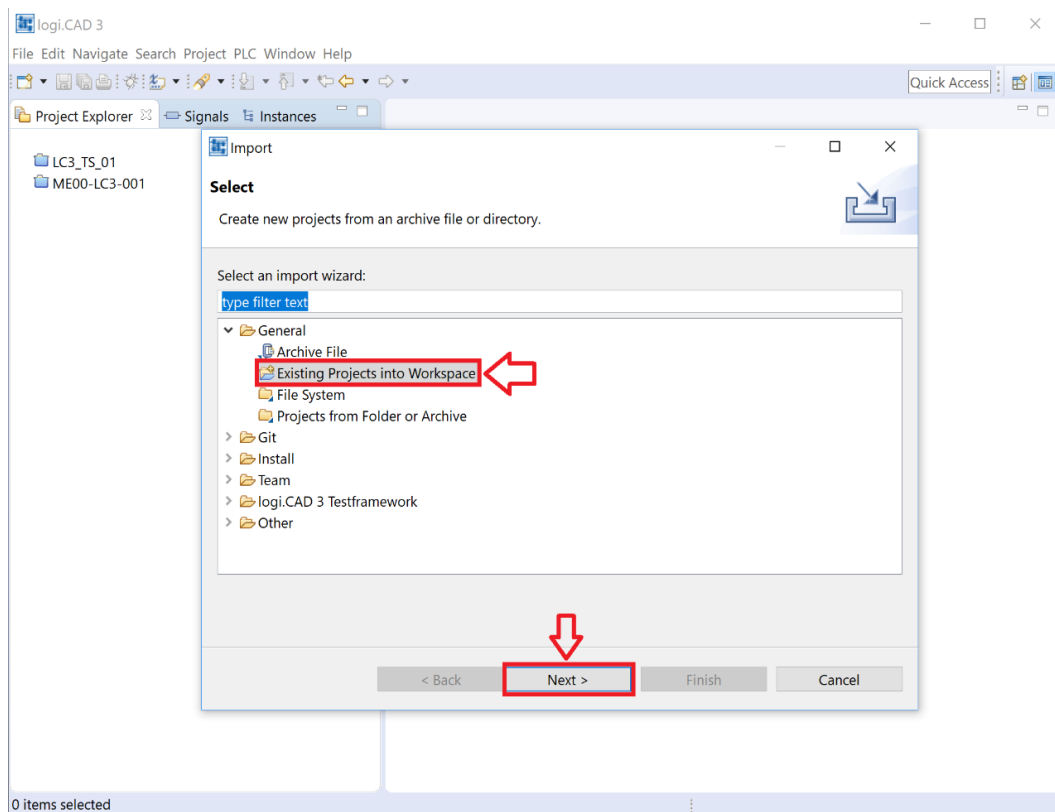
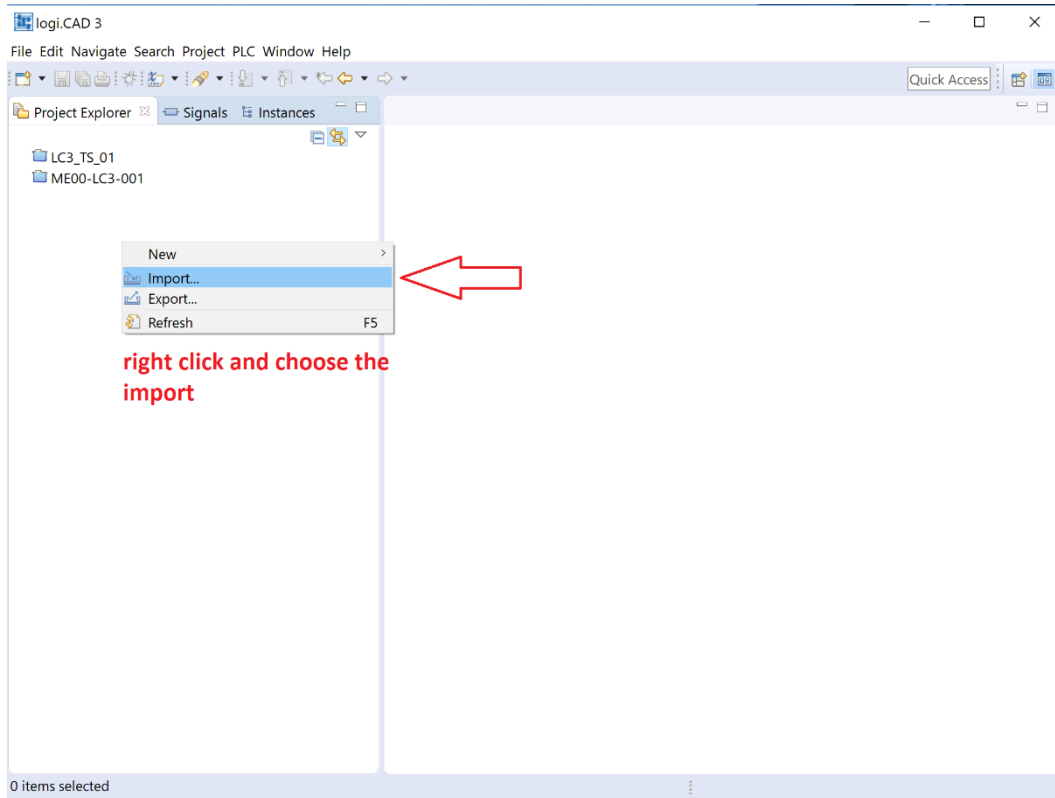


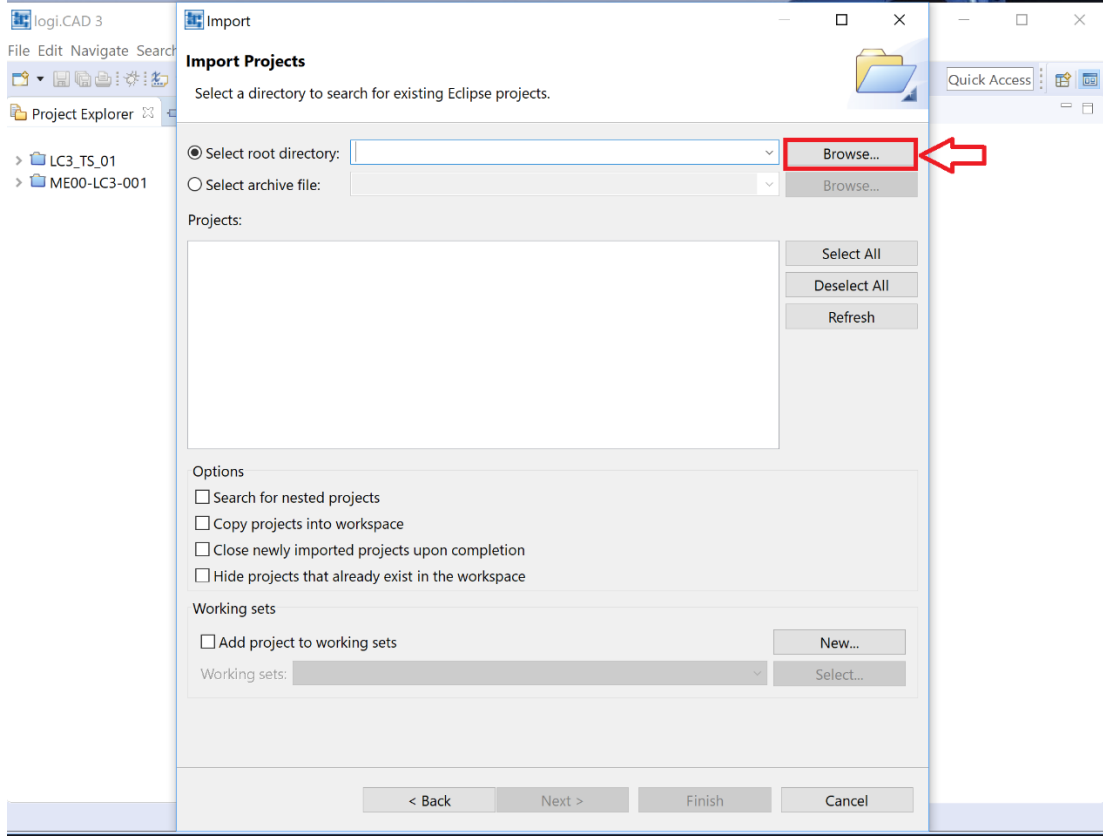
- 3- Connect one end of the KIBES cable to the CANalyzer or Peak cable and the other end to the KIBES diagnostic socket. Connect the CANalyzer or Peak output to the computer. Make sure that the KIBES dongle is inserted to your computer.



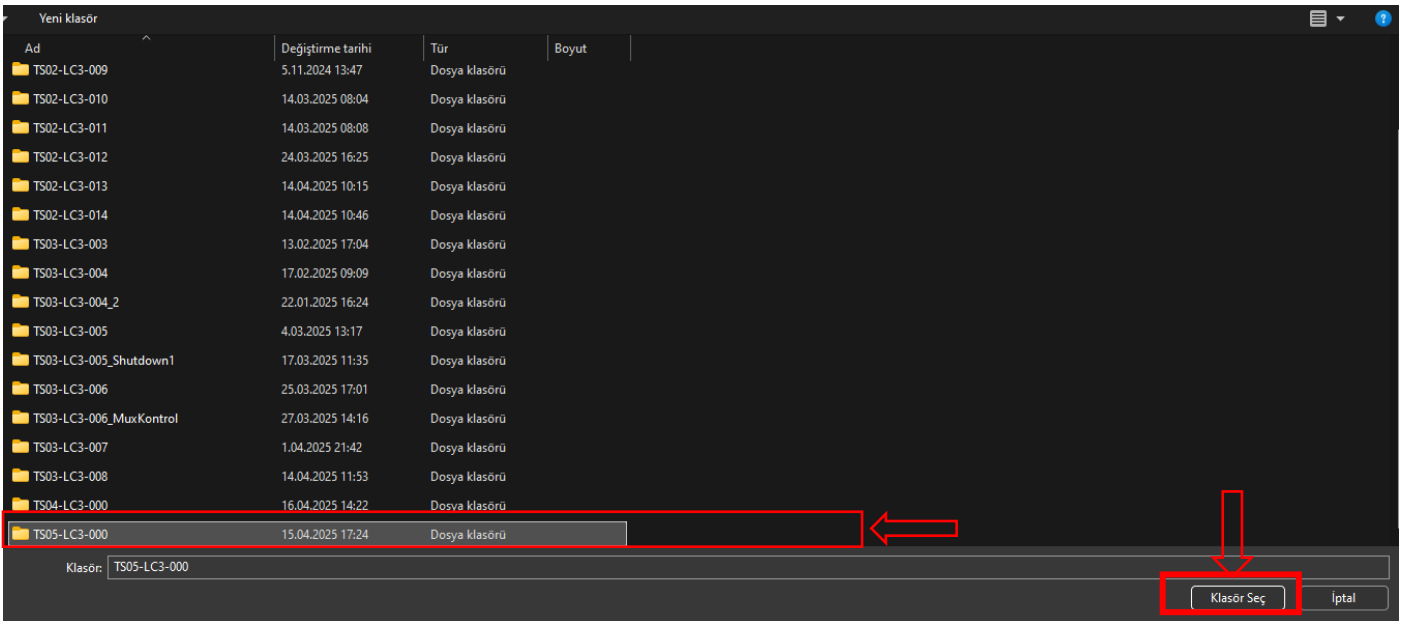


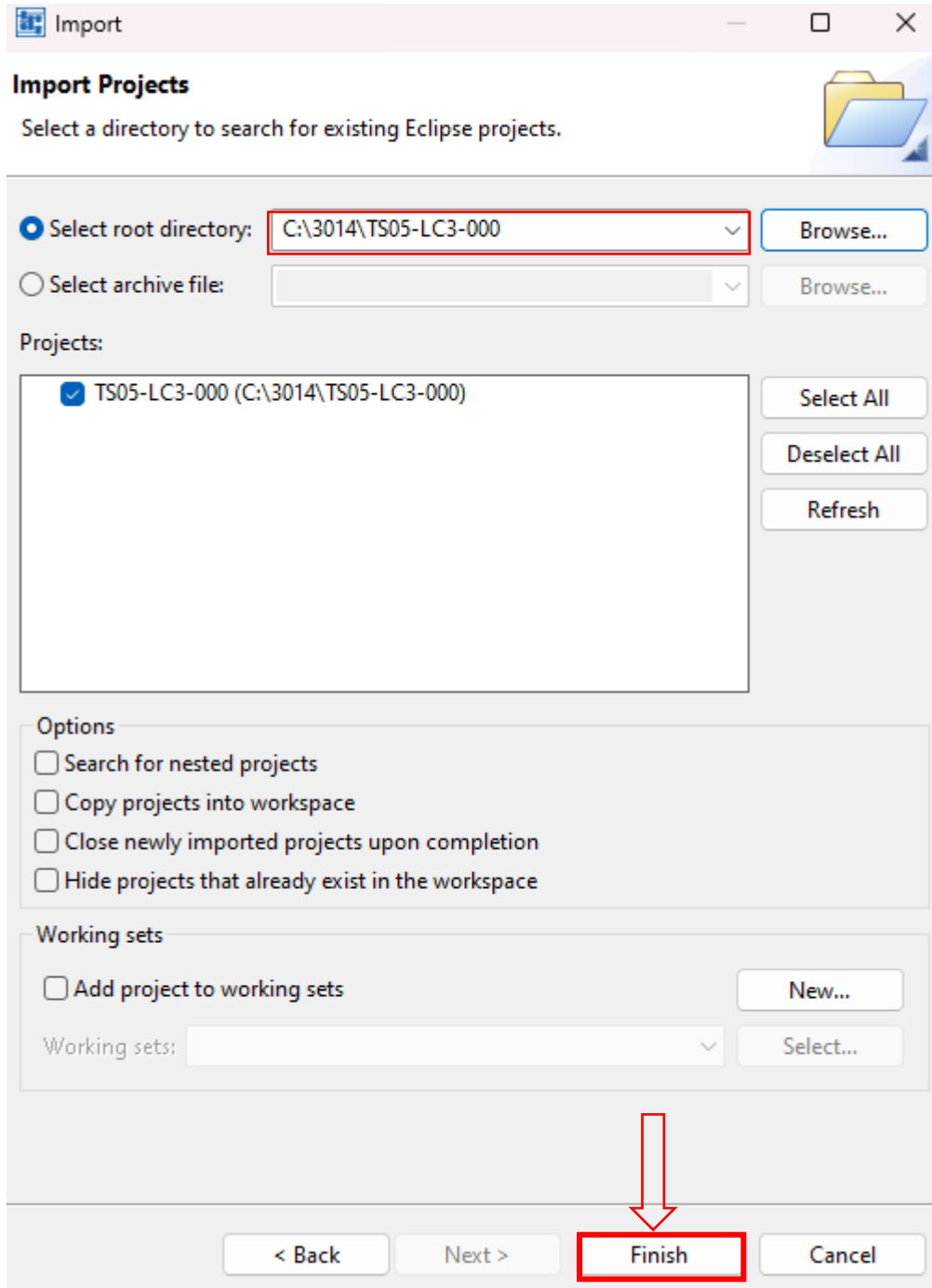
- 4- Install the ZR5 software on the vehicle as described in the images. Turn the ignition switch on. Do not start the engine.





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





Import

Import Projects

Select a directory to search for existing Eclipse projects.

☒ Select root directory:

☐ Select archive file:

Projects:

☒ TS05-LC3-000 (C:\3014\TS05-LC3-000)	Select All
	Deselect All
	Refresh

Options

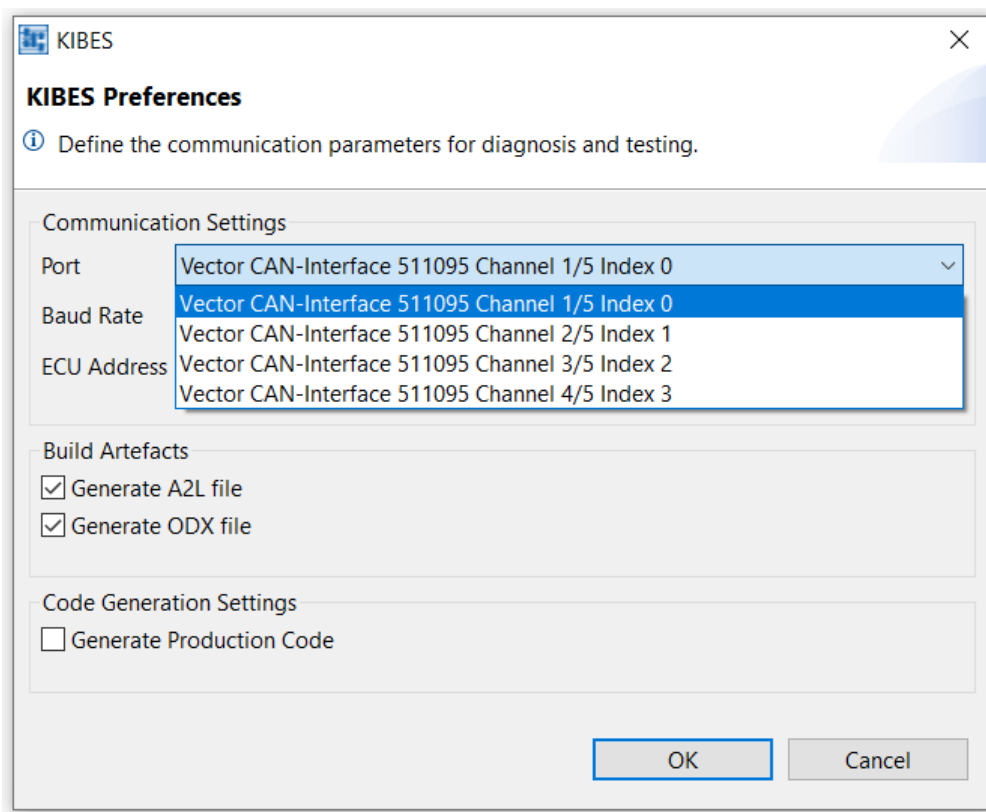
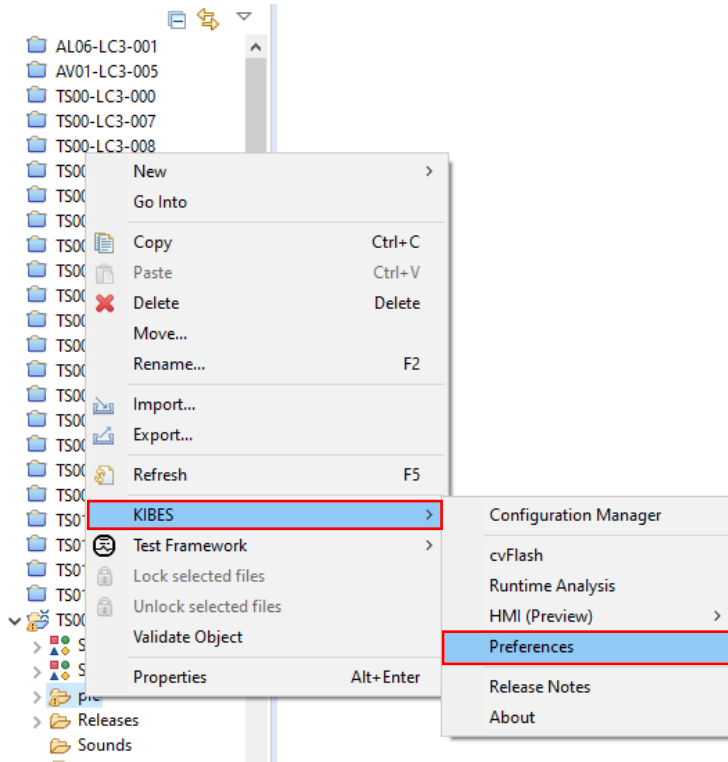
- ☐ Search for nested projects
- ☐ Copy projects into workspace
- ☐ Close newly imported projects upon completion
- ☐ Hide projects that already exist in the workspace

Working sets

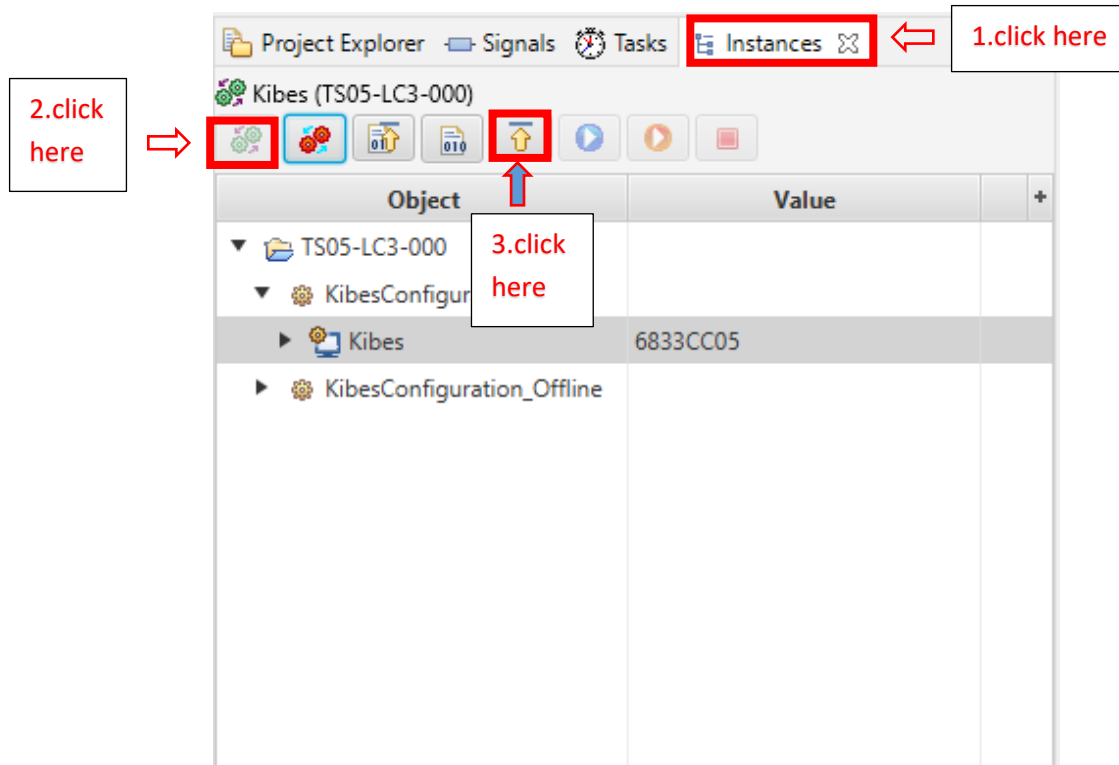
☐ Add project to working sets

Working sets:

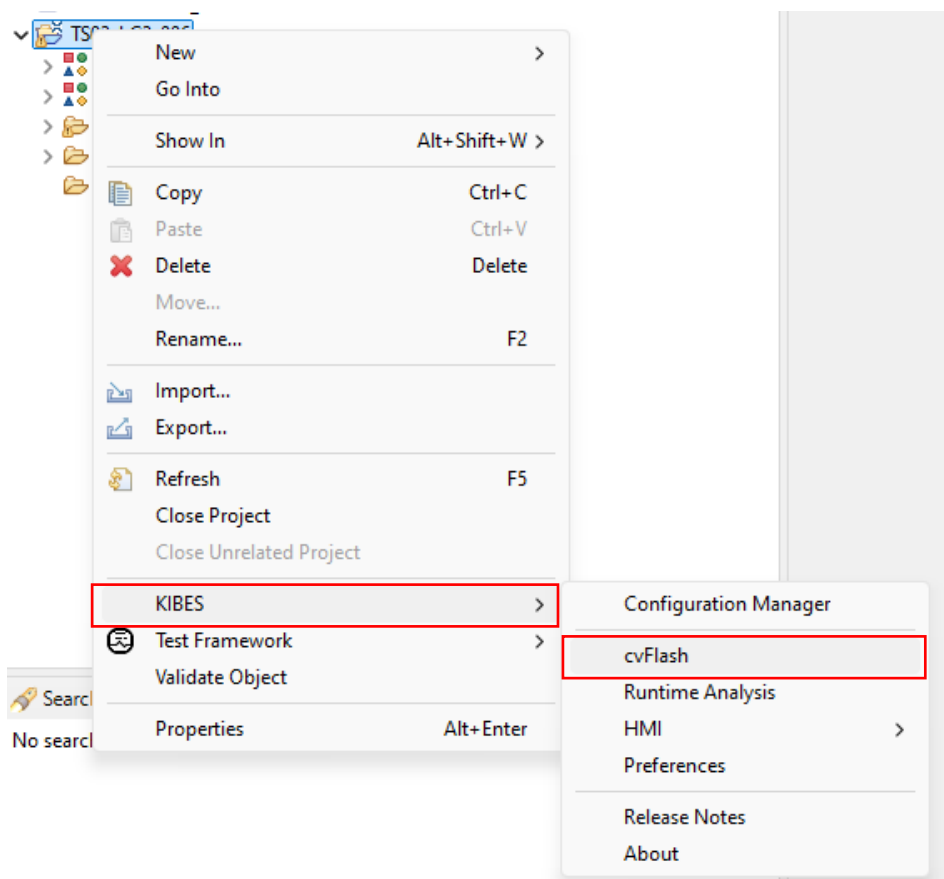
- Click "Preferences" to check the **Baudrate** and **port**. (for TS Coachs it is updated from 250k to 1000k)

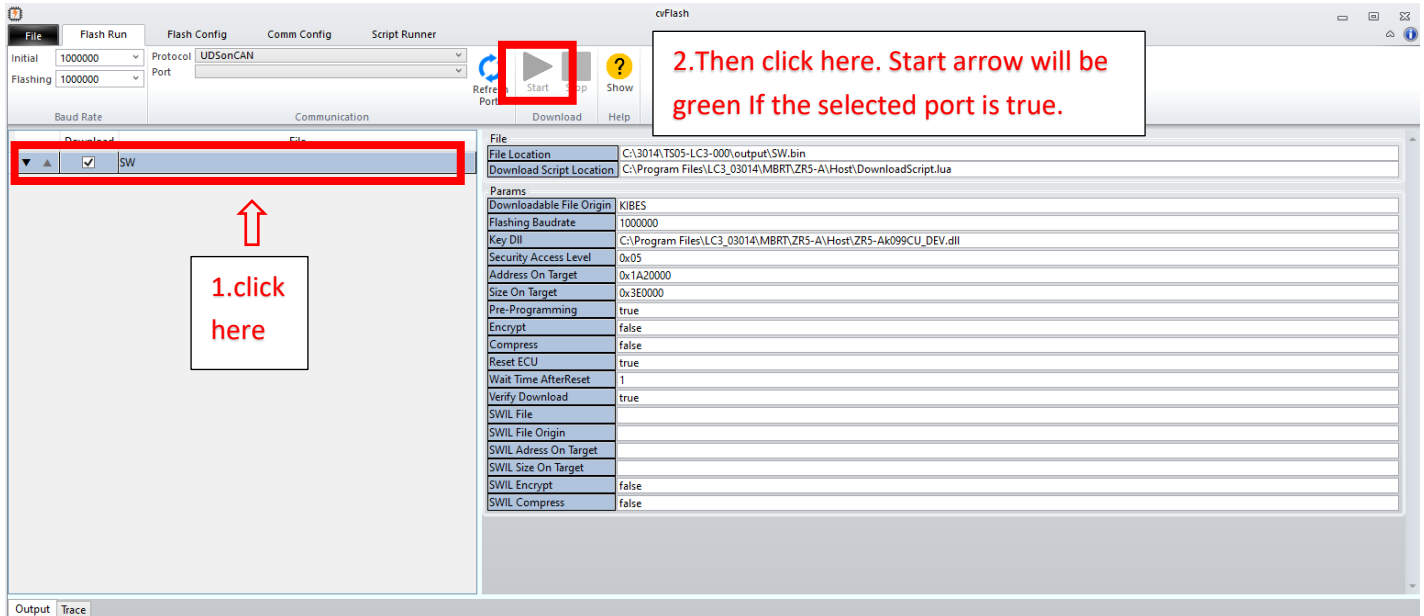


4.2- Click on the instructions shown in order in the picture.



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





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.

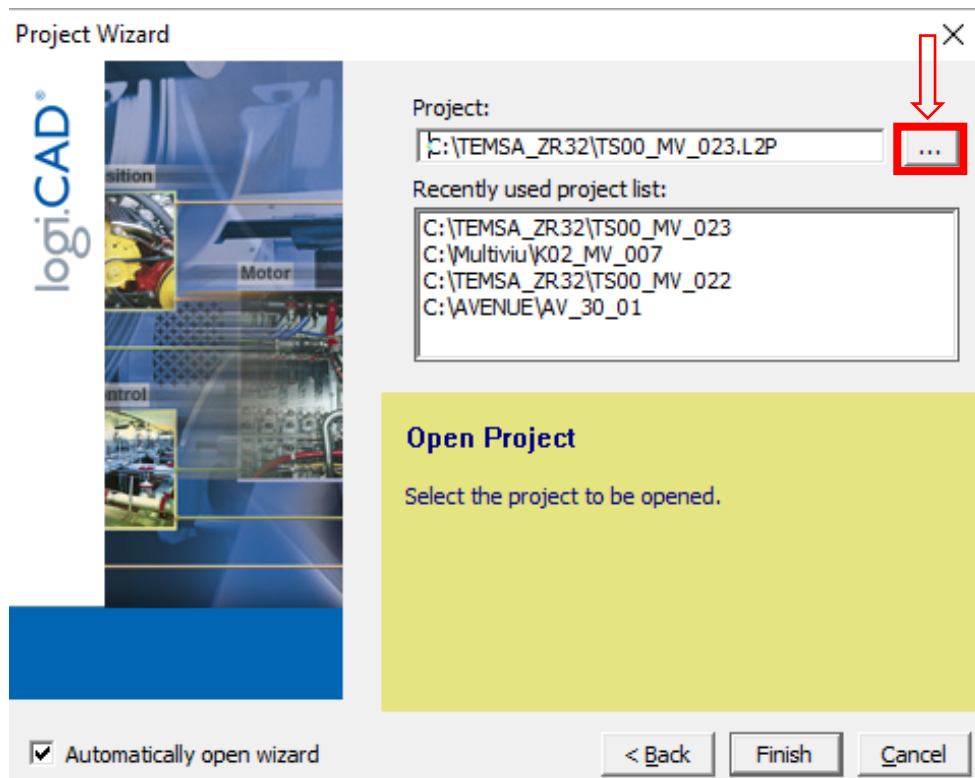
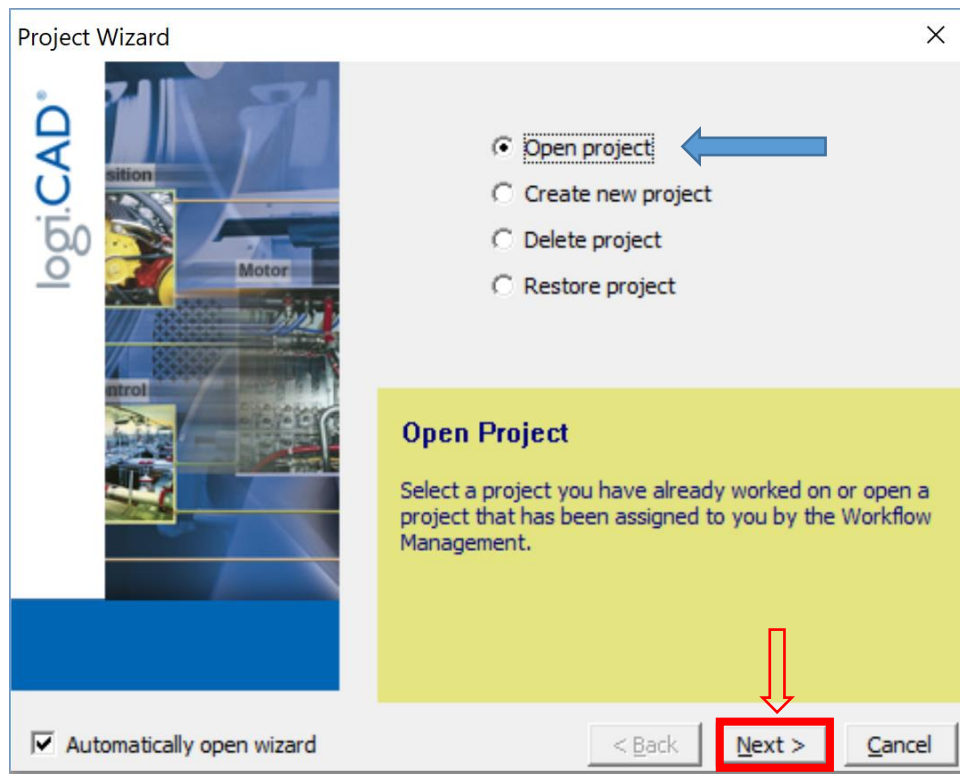


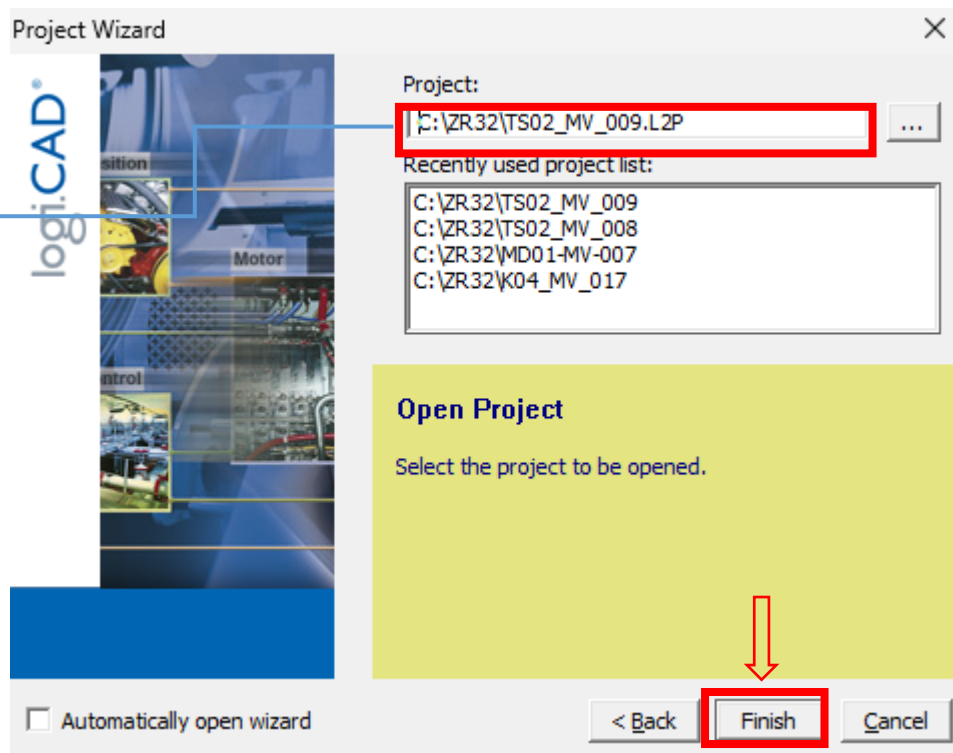
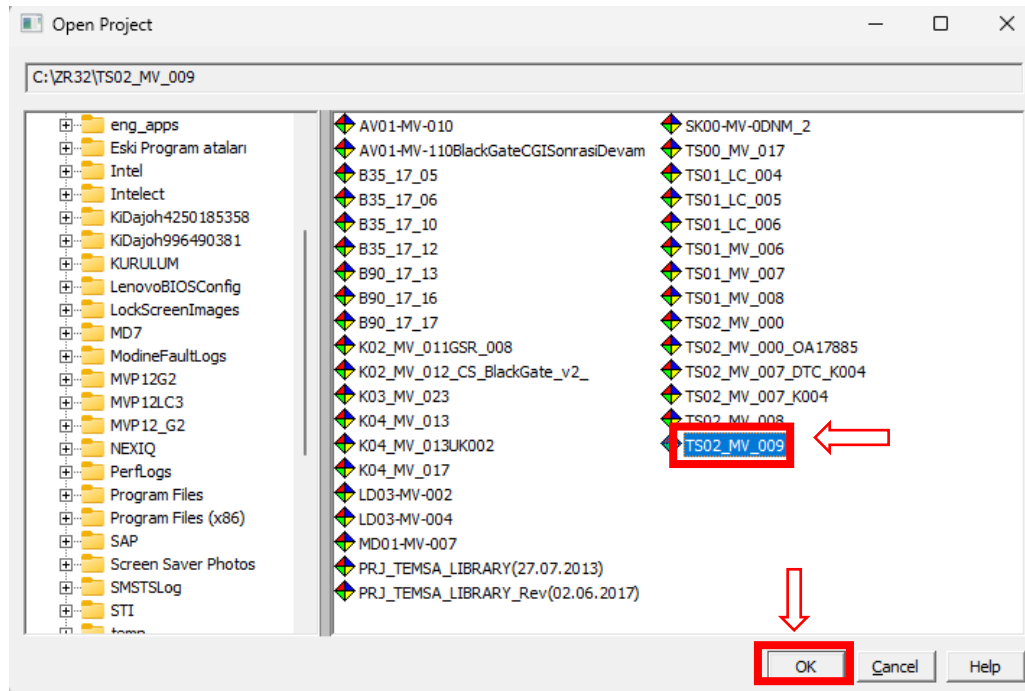


- 3- Turn the ignition switch on. Do not start the engine.
- 4- Make sure that the KIBES dongle is inserted to your computer.

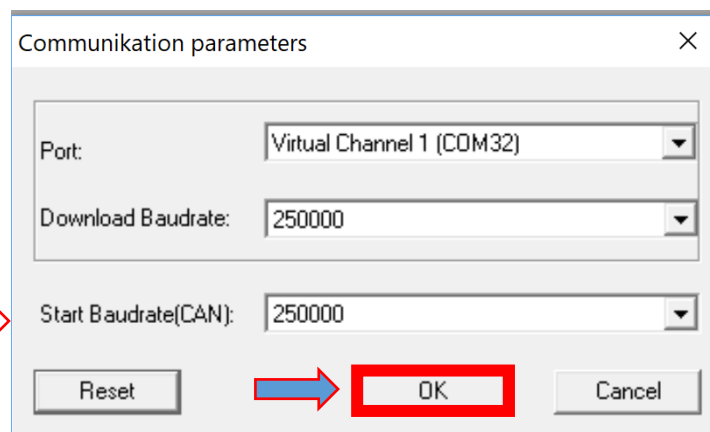
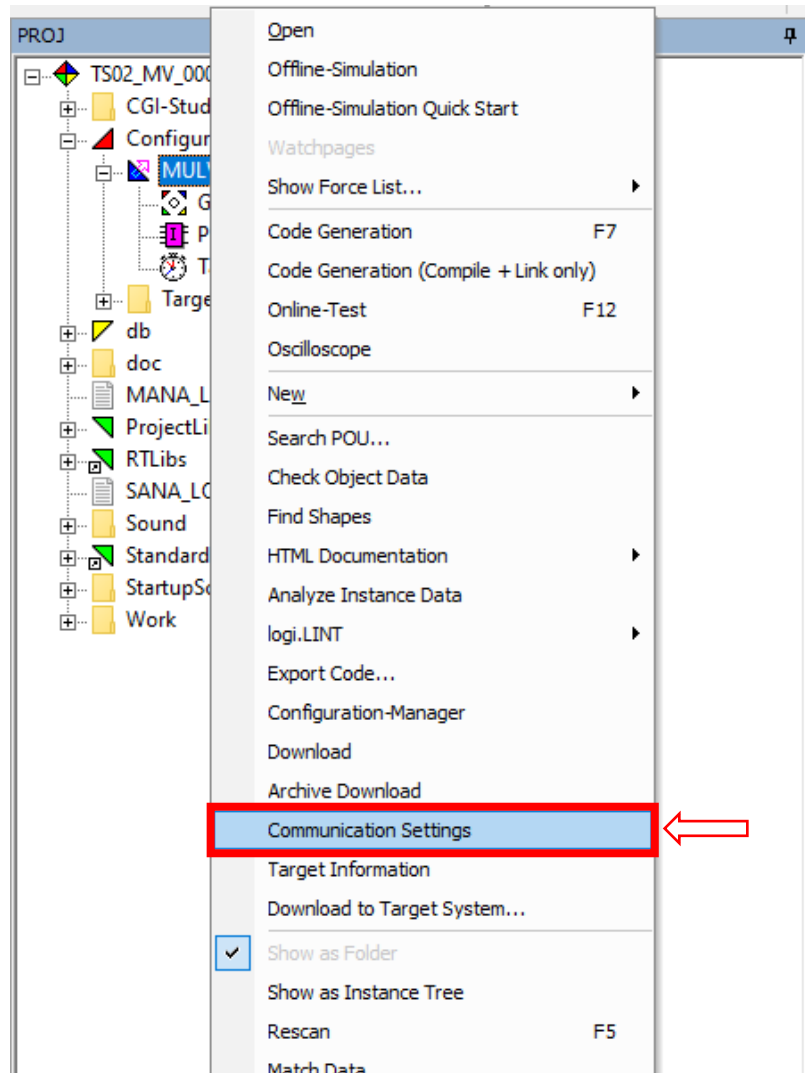


Select the "Open Project" selection and click "next".





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

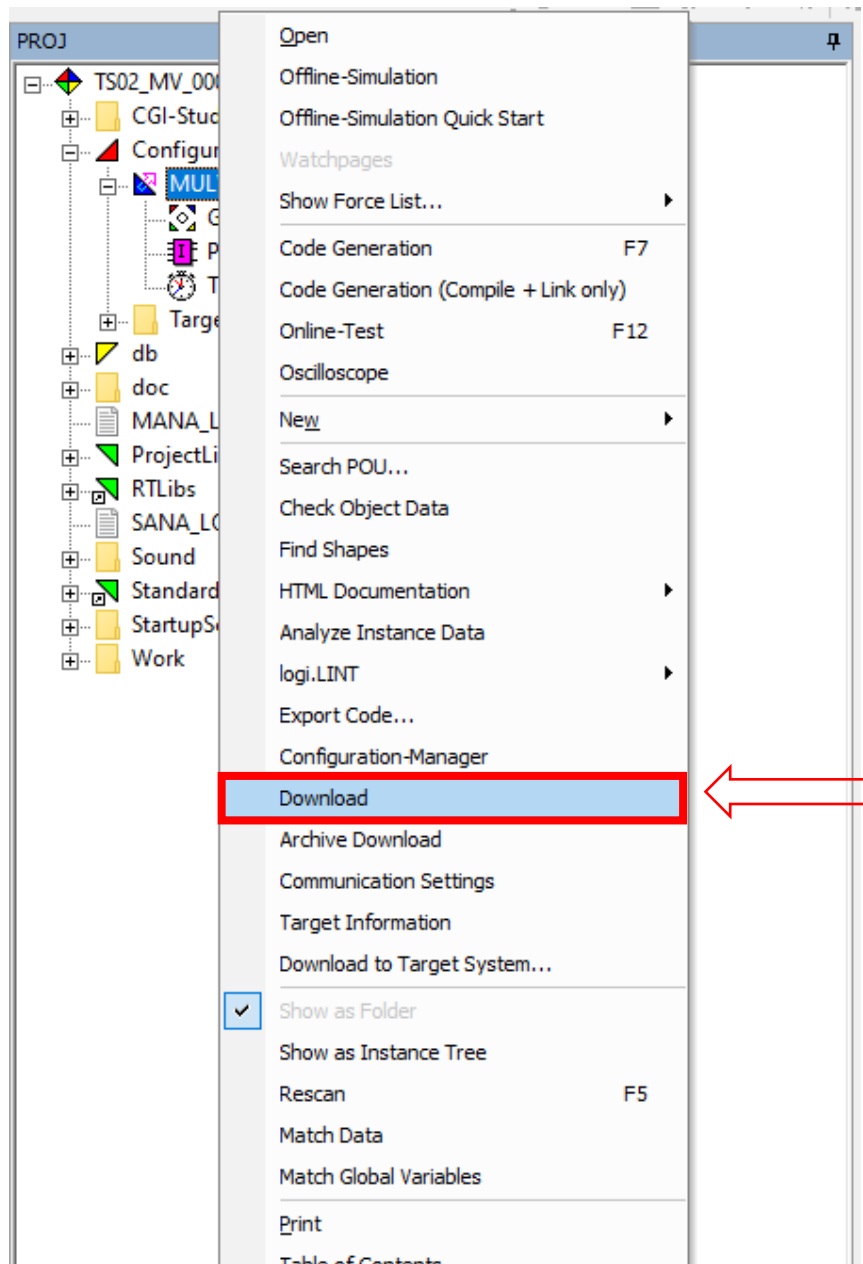


You can change
“Start Baudrate”
here

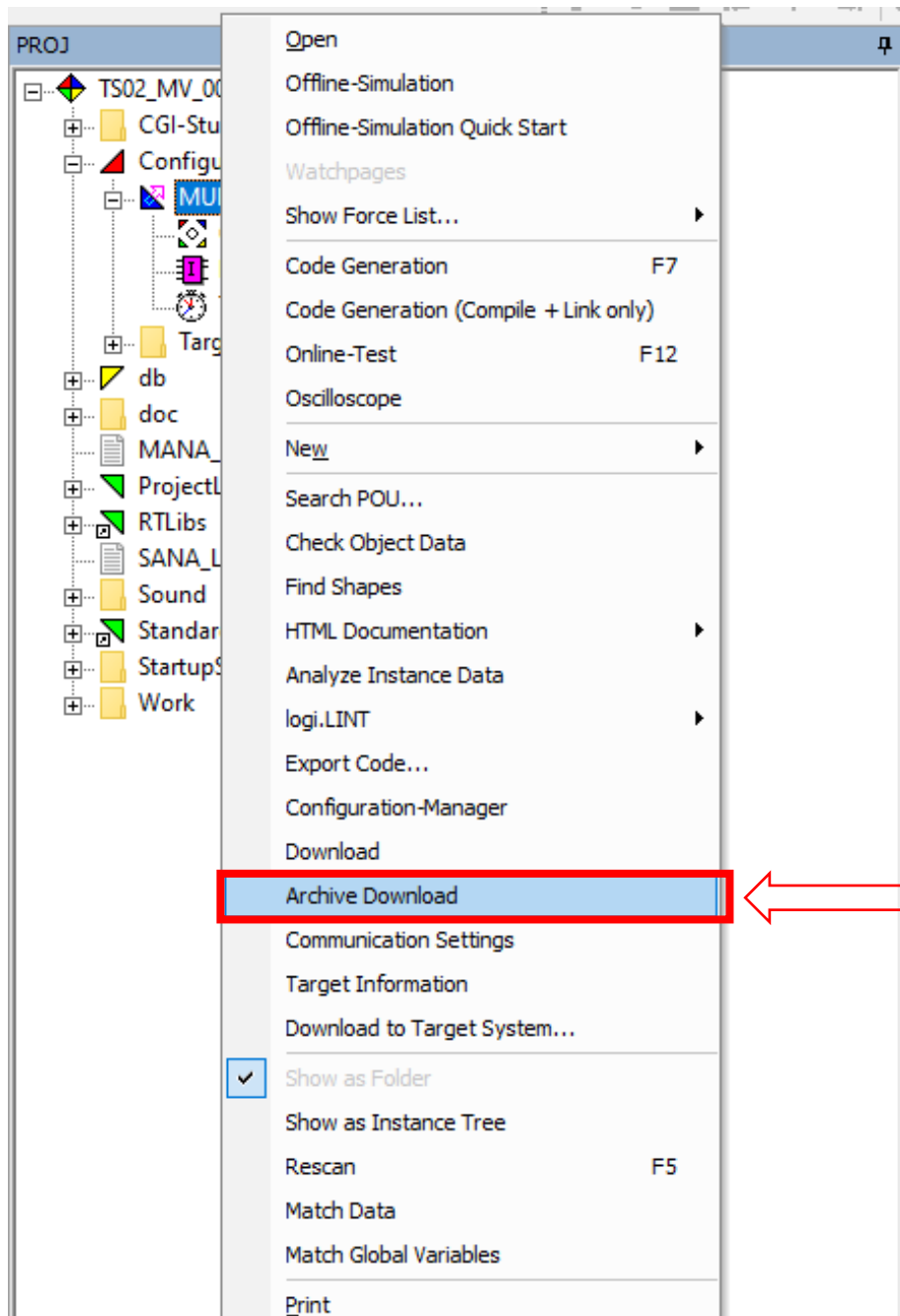
You can change port
here. Please make
sure correct port.

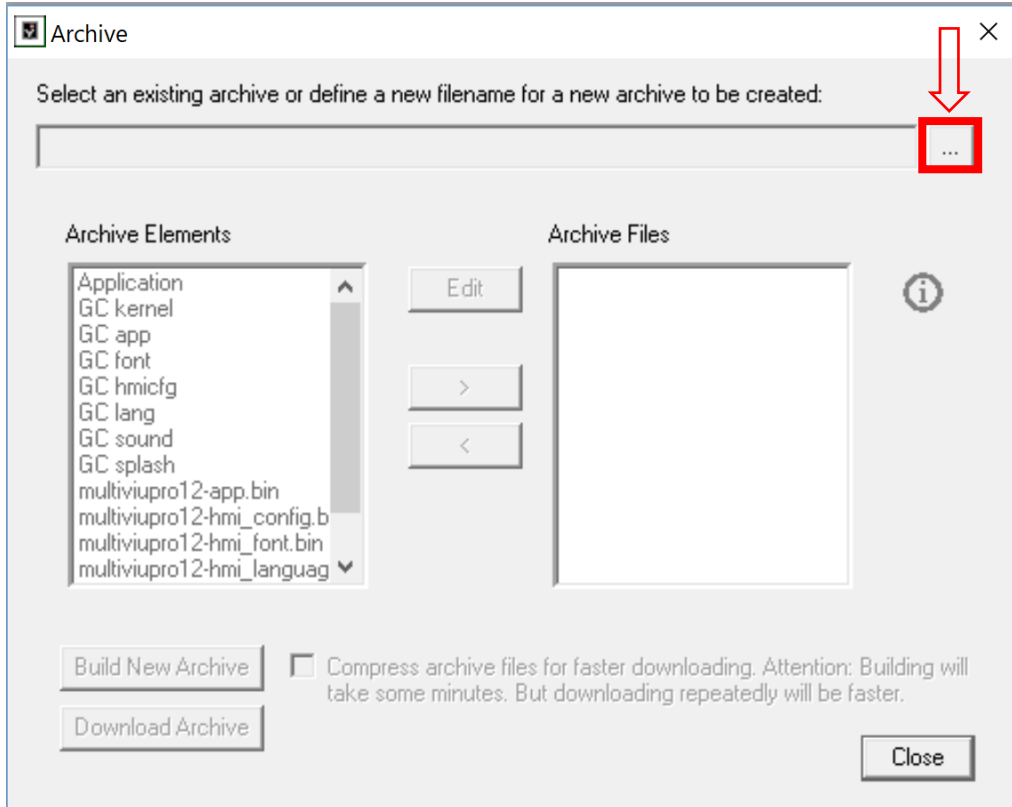
You can change
“Download
Baudrate” here

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

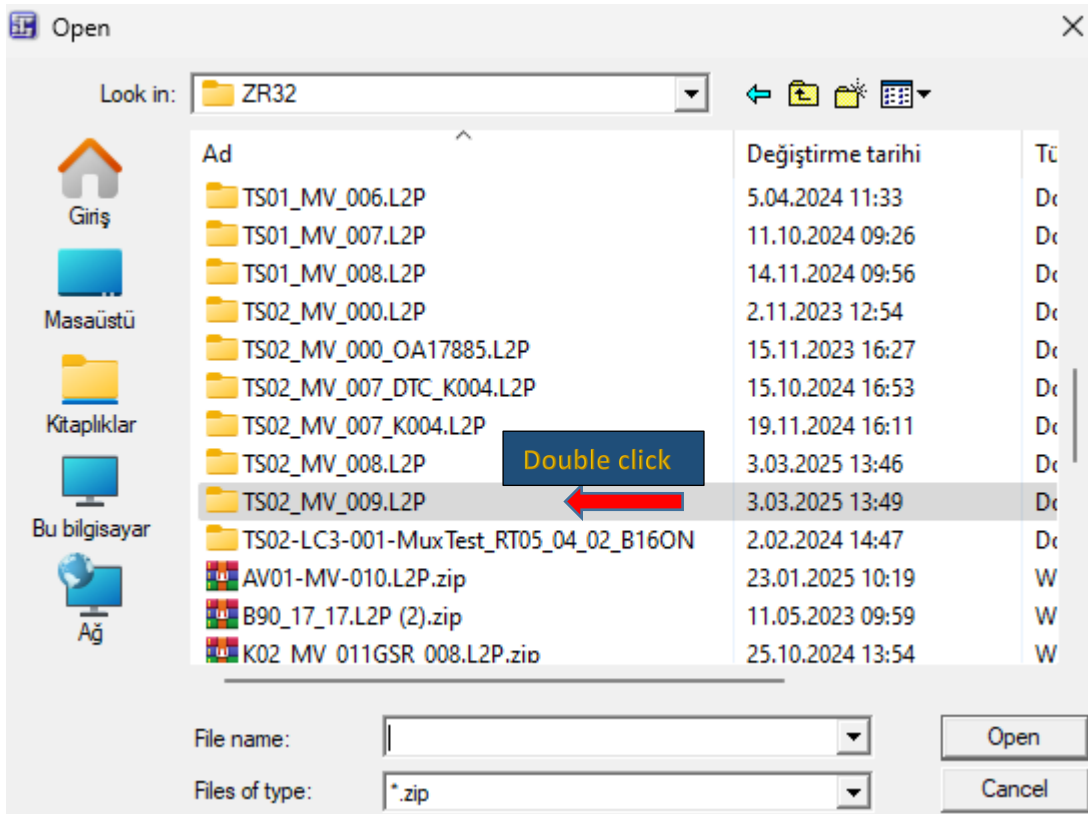


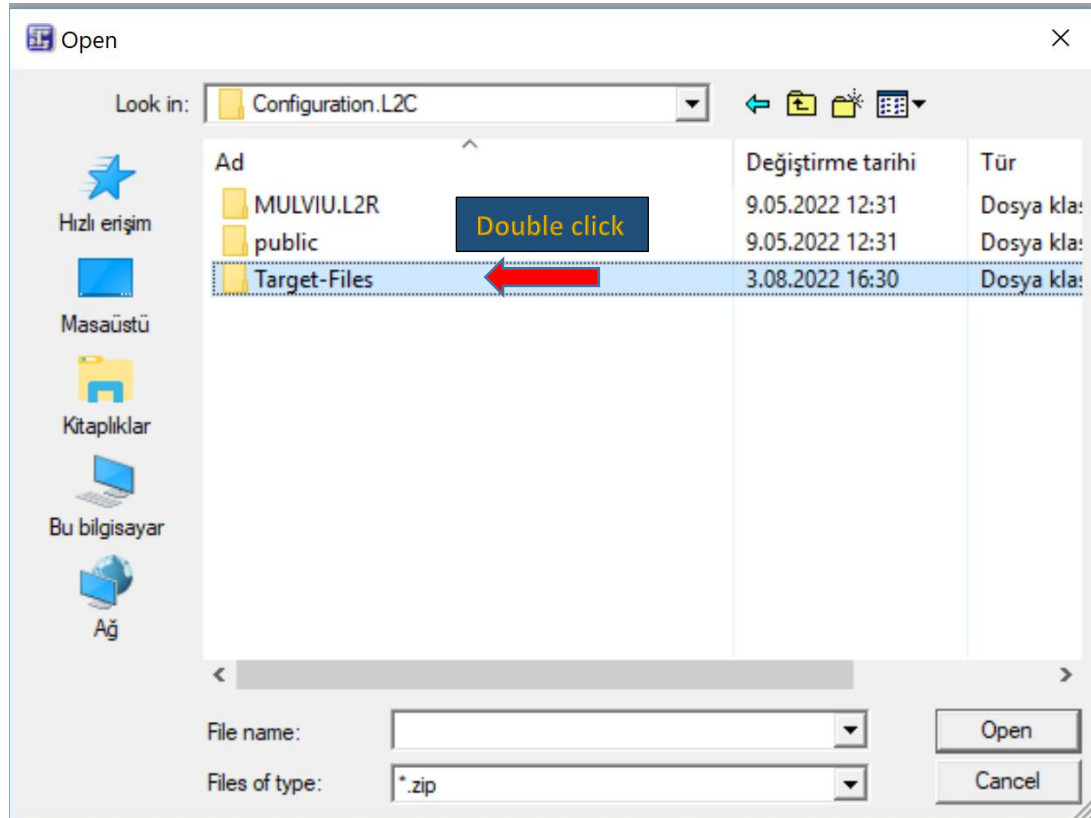
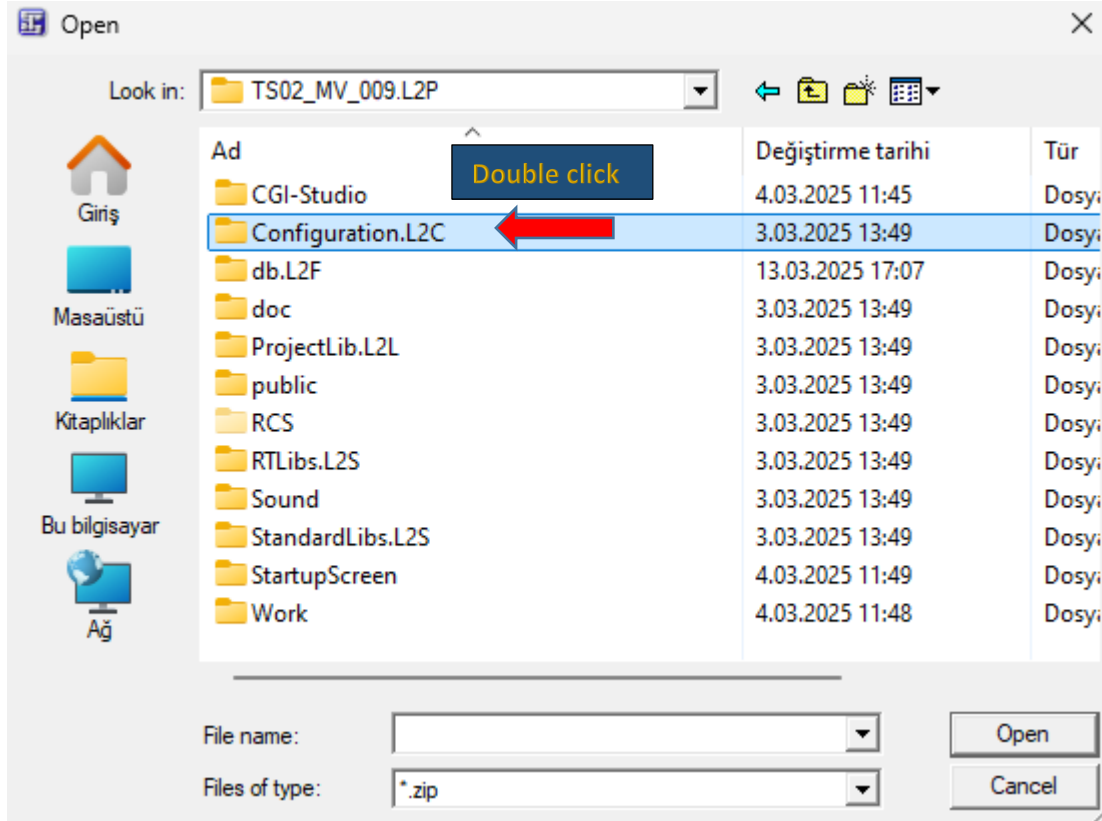
8-Right click on Mulviu again then click “Archive Download”



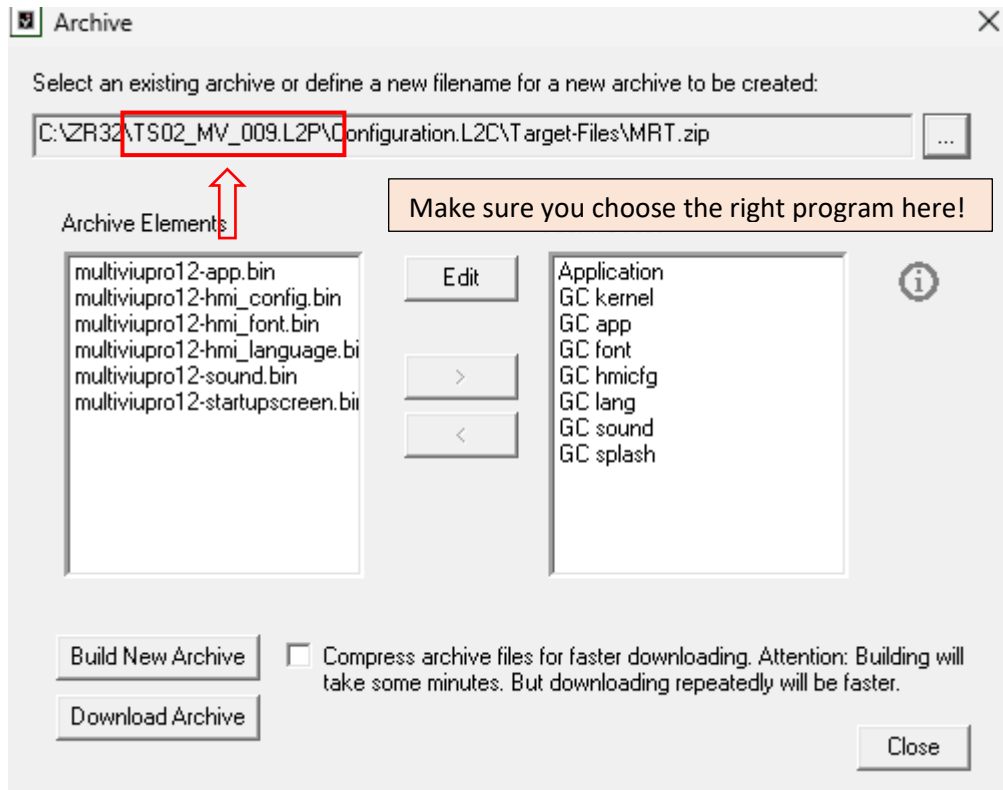
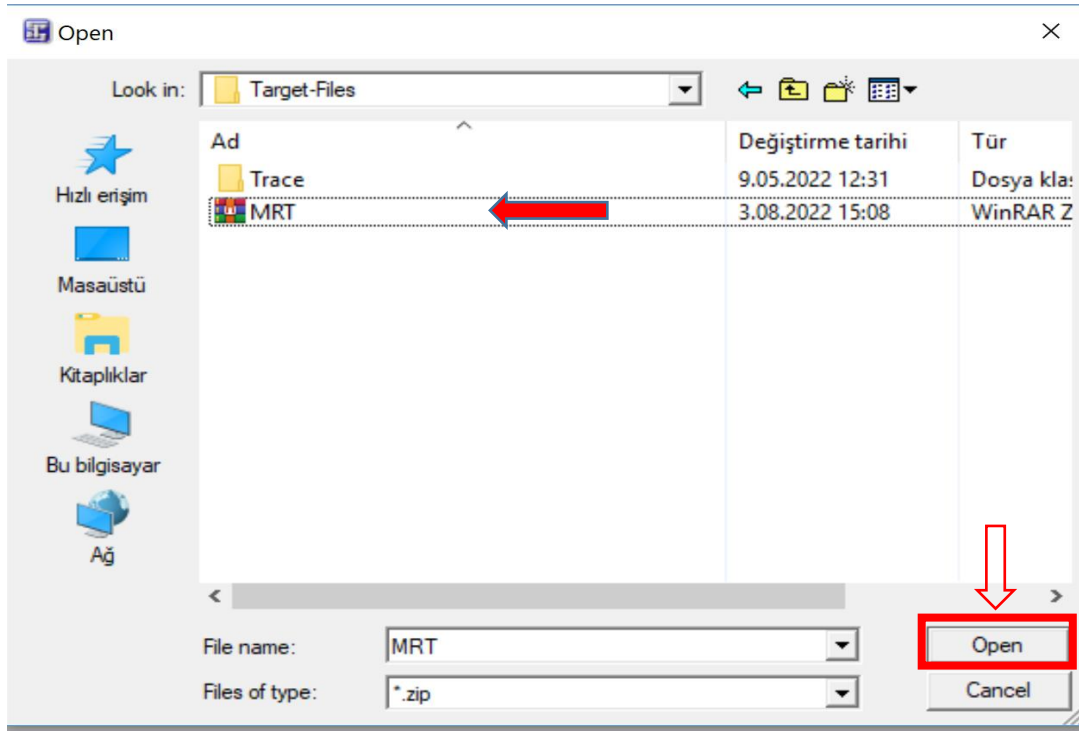


9- You should find program in your workspace then double click the program.

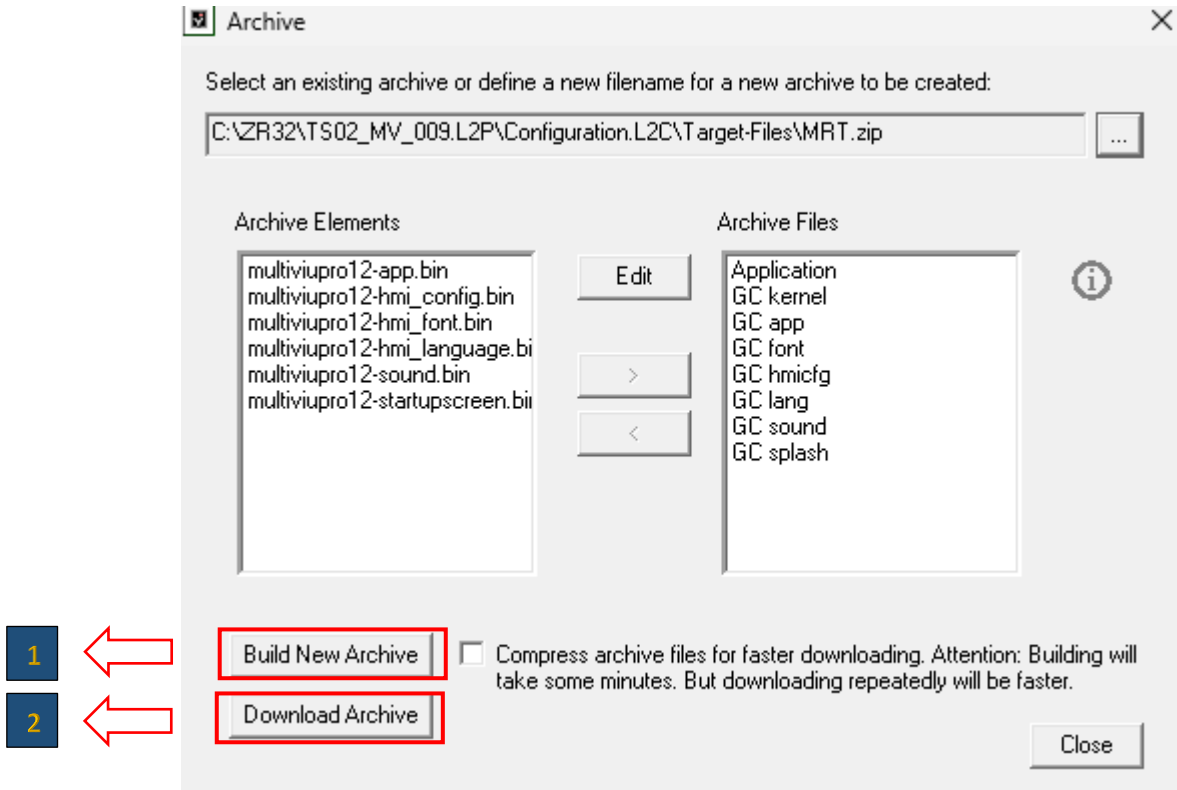




10- Click on “MRT” then click “Open”.



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



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

Application	Time
Removing Mux 1.1 B15, Checking or adding Flyback diode, Removing 3A diode	15'
Moving Mux 1.1 B16 pin to Mux 1.1 C3, checking or adding Flyback diode	10'
Changing pinout of RL30 on the 01A007 Fuse Box and removing diode	25'
Checking or adding Flyback diode for Mux 2.1 C21	10'
Removing Mux 1.3 C7 Cable	10'
Installing ZR5 Kibes Program	5'
Installing Multiviu Program	5'
Archive Installing of Multiviu	40'
Total Labor Time	120'

No	Otpa No	Model	Chassis No	Country
1.	OA19045	TS30	NLTAPLB5XS1000432	USA
2.	OA19044	TS30	NLTAPLB58S1000431	USA
3.	OA19043	TS30	NLTAPLB56S1000430	USA
4.	OA19042	TS30	NLTAPLB5XS1000429	USA
5.	OA18953	TS30	NLTAPLB58S1000428	USA
6.	OA18952	TS30	NLTAPLB56S1000427	USA
7.	OA18951	TS30	NLTAPLB54S1000426	USA
8.	OA18950	TS30	NLTAPLB52S1000425	USA
9.	OA18949	TS30	NLTAPLB50S1000424	USA
10.	OA18948	TS30	NLTAPLB59S1000423	USA
11.	OA18947	TS30	NLTAPLB57S1000422	USA
12.	OA18946	TS30	NLTAPLB55S1000421	USA
13.	OA18909	TS30	NLTAPLB53S1000420	USA
14.	OA18908	TS30	NLTAPLB57S1000419	CANADA
15.	OA18907	TS30	NLTAPLB55S1000418	CANADA
16.	OA18883	TS30	NLTAPLB53S1000417	CANADA
17.	OA18882	TS30	NLTAPLB51S1000416	CANADA
18.	OA18881	TS30	NLTAPLB5XS1000415	USA
19.	OA18880	TS30	NLTAPLB58S1000414	USA
20.	OA18784	TS30	NLTAPLB56S1000413	USA
21.	OA18783	TS30	NLTAPLB54S1000412	USA
22.	OA18782	TS30	NLTAPLB52S1000411	USA
23.	OA18781	TS30	NLTAPLB50S1000410	USA
24.	OA18780	TS30	NLTAPLB54S1000409	USA
25.	OA18767	TS30	NLTAPLB52S1000408	USA
26.	OA18766	TS30	NLTAPLB50S1000407	USA
27.	OA18765	TS30	NLTAPLB59S1000406	USA
28.	OA18764	TS30	NLTAPLB57S1000405	USA
29.	OA18665	TS30	NLTAPLB55S1000404	USA
30.	OA18664	TS30	NLTAPLB53S1000403	USA
31.	OA18663	TS30	NLTAPLB51S1000402	USA
32.	OA18662	TS30	NLTAPLB5XS1000401	USA
33.	OA18661	TS30	NLTAPLB58S1000400	USA
34.	OA18660	TS30	NLTAPLB55S1000399	USA
35.	OA18659	TS30	NLTAPLB53S1000398	USA
36.	OA18658	TS30	NLTAPLB51S1000397	USA
37.	OA18650	TS30	NLTAPLB5XS1000396	USA
38.	OA18556	TS30	NLTAPLB58S1000395	USA
39.	OA18555	TS30	NLTAPLB56S1000394	USA
40.	OA18554	TS30	NLTAPLB54S1000393	USA
41.	OA18540	TS30	NLTAPLB52S1000392	USA
42.	OA18539	TS30	NLTAPLB50S1000391	USA
43.	OA18538	TS30	NLTAPLB59S1000390	USA

No	Otpa No	Model	Chassis No	Country
44.	OA18537	TS30	NLTAPLB52S1000389	USA
45.	OA18536	TS30	NLTAPLB50S1000388	USA
46.	OA18518	TS30	NLTAPLB59S1000387	USA
47.	OA18517	TS30	NLTAPLB57S1000386	USA
48.	OA18516	TS30	NLTAPLB55S1000385	USA
49.	OA18515	TS30	NLTAPLB53S1000384	USA
50.	OA18514	TS30	NLTAPLB51S1000383	USA
51.	OA18496	TS30	NLTAPLB5XS1000382	CANADA
52.	OA18495	TS30	NLTAPLB58S1000381	USA
53.	OA18494	TS30	NLTAPLB56S1000380	CANADA
54.	OA18493	TS30	NLTAPLB5XS1000379	USA
55.	OA18485	TS30	NLTAPLB58S1000378	CANADA
56.	OA18484	TS30	NLTAPLB56S1000377	USA
57.	OA18483	TS30	NLTAPLB54S1000376	CANADA
58.	OA18457	TS30	NLTAPLB52S1000375	CANADA
59.	OA18456	TS30	NLTAPLB50S1000374	CANADA
60.	OA18441	TS30	NLTAPLB59S1000373	USA
61.	OA18440	TS30	NLTAPLB57S1000372	USA
62.	OA18345	TS30	NLTAPLA50R1000371	USA
63.	OA18344	TS30	NLTAPLA59R1000370	USA
64.	OA18326	TS30	NLTAPLA52R1000369	USA
65.	OA18325	TS30	NLTAPLA50R1000368	USA
66.	OA18324	TS30	NLTAPLA59R1000367	USA
67.	OA18018	TS30	NLTAPLA57R1000366	USA
68.	OA17935	TS30	NLTAPLA55R1000365	USA
69.	OA17934	TS30	NLTAPLA53R1000364	USA
70.	OA17933	TS30	NLTAPLA51R1000363	USA
71.	OA17932	TS30	NLTAPLA5XR1000362	USA
72.	OA17924	TS30	NLTAPLA58R1000361	USA
73.	OA17923	TS30	NLTAPLA56R1000360	USA
74.	OA17922	TS30	NLTAPLA5XR1000359	USA
75.	OA17896	TS30	NLTAPLA58R1000358	USA
76.	OA17895	TS30	NLTAPLA56R1000357	USA
77.	OA17894	TS30	NLTAPLA54R1000356	USA
78.	OA17872	TS30	NLTAPLA52R1000355	USA
79.	OA17871	TS30	NLTAPLA50R1000354	USA
80.	OA17870	TS30	NLTAPLA59R1000353	USA
81.	OA17869	TS30	NLTAPLA57R1000352	USA
82.	OA17827	TS30	NLTAPLA55R1000351	USA
83.	OA17764	TS30	NLTAPLA53R1000350	USA
84.	OA17763	TS30	NLTAPLA57R1000349	USA
85.	OA17762	TS30	NLTAPLA55R1000348	USA
86.	OA17761	TS30	NLTAPLA53R1000347	USA

No	Otpa No	Model	Chassis No	Country
87.	OA17760	TS30	NLTAPLA51R1000346	USA
88.	OA17759	TS30	NLTAPLA5XR1000345	USA
89.	OA17751	TS30	NLTAPLA58R1000344	USA
90.	OA17750	TS30	NLTAPLA56R1000343	USA
91.	OA17749	TS30	NLTAPLA54R1000342	USA
92.	OA17748	TS30	NLTAPLA52R1000341	USA
93.	OA17747	TS30	NLTAPLA50R1000340	USA
94.	OA17746	TS30	NLTAPLA54R1000339	USA
95.	OA17672	TS30	NLTAPLA52R1000338	USA
96.	OA17671	TS30	NLTAPLA50R1000337	USA
97.	OA17670	TS30	NLTAPLA59R1000336	USA
98.	OA17669	TS30	NLTAPLA57R1000335	USA
99.	OA17668	TS30	NLTAPLA55R1000334	USA
100.	OA17667	TS30	NLTAPLA53R1000333	USA
101.	OA17666	TS30	NLTAPLA51R1000332	USA
102.	OA17533	TS30	NLTAPLA5XR1000331	USA
103.	OA17532	TS30	NLTAPLA58R1000330	USA
104.	OA17531	TS30	NLTAPLA51R1000329	USA
105.	OA17530	TS30	NLTAPLA5XR1000328	USA
106.	OA17488	TS30	NLTAPLA58R1000327	USA
107.	OA17487	TS30	NLTAPLA56R1000326	USA
108.	OA17460	TS30	NLTAPLA54R1000325	USA
109.	OA17459	TS30	NLTAPLA52R1000324	USA
110.	OA17458	TS30	NLTAPLA50R1000323	USA
111.	OA17426	TS30	NLTAPLA59R1000322	USA
112.	OA17425	TS30	NLTAPLA57R1000321	USA
113.	OA17414	TS30	NLTAPLA55R1000320	USA
114.	OA17403	TS30	NLTAPLA59R1000319	USA
115.	OA17402	TS30	NLTAPLA57R1000318	USA
116.	OA17401	TS30	NLTAPLA55R1000317	USA
117.	OA17382	TS30	NLTAPLA53R1000316	USA
118.	OA17348	TS30	NLTAPLA51R1000315	USA
119.	OA17347	TS30	NLTAPLA5XR1000314	USA
120.	OA17346	TS30	NLTAPLA58R1000313	USA
121.	OA17345	TS30	NLTAPLA56R1000312	USA
122.	OA17344	TS30	NLTAPLA54R1000311	USA
123.	OA17343	TS30	NLTAPLA52R1000310	USA
124.	OA17342	TS30	NLTAPLA56R1000309	USA
125.	OA17341	TS30	NLTAPLA54R1000308	USA
126.	OA17281	TS30	NLTAPLA52R1000307	USA
127.	OA17280	TS30	NLTAPLA50R1000306	USA
128.	OA17279	TS30	NLTAPLA59R1000305	USA
129.	OA17278	TS30	NLTAPLA57R1000304	USA

No	Otpa No	Model	Chassis No	Country
130.	OA17277	TS30	NLTAPLA55R1000303	USA
131.	OA17276	TS30	NLTAPLA53R1000302	USA
132.	OA17275	TS30	NLTAPLA51R1000301	USA
133.	OA17274	TS30	NLTAPLA5XR1000300	USA
134.	OA17219	TS30	NLTAPLA57R1000299	USA
135.	OA17197	TS30	NLTAPLA55R1000298	USA
136.	OA17196	TS30	NLTAPLA53R1000297	USA
137.	OA17195	TS30	NLTAPLA51R1000296	USA
138.	OA17194	TS30	NLTAPLA5XR1000295	USA
139.	OA17174	TS30	NLTAPLA51P1000294	USA
140.	OA17173	TS30	NLTAPLA5XP1000293	USA
141.	OA17172	TS30	NLTAPLA58P1000292	USA
142.	OA17171	TS30	NLTAPLA56P1000291	USA
143.	OA17153	TS30	NLTAPLA54P1000290	USA
144.	OA17152	TS30	NLTAPLA58P1000289	USA
145.	OA17151	TS30	NLTAPLA56P1000288	USA
146.	OA17127	TS30	NLTAPLA54P1000287	USA
147.	OA17124	TS30	NLTAPLA52P1000286	USA
148.	OA17109	TS30	NLTAPLA50P1000285	USA
149.	OA17108	TS30	NLTAPLA59P1000284	CANADA
150.	OA17039	TS30	NLTAPLA57P1000283	USA
151.	OA16991	TS30	NLTAPLA55P1000282	USA
152.	OA16946	TS30	NLTAPLA51P1000280	USA
153.	OA16921	TS30	NLTAPLA55P1000279	USA
154.	OA16920	TS30	NLTAPLA53P1000278	USA
155.	OA16908	TS30	NLTAPLA51P1000277	USA
156.	OA16879	TS30	NLTAPLA5XP1000276	CANADA
157.	OA16878	TS30	NLTAPLA58P1000275	USA
158.	OA16847	TS30	NLTAPLA56P1000274	USA
159.	OA16469	TS30	NLTAPLA58N1000273	USA
160.	OA16468	TS30	NLTAPLA56N1000272	USA
161.	OA16467	TS30	NLTAPLA54N1000271	USA
162.	OA16421	TS30	NLTAPLA52N1000270	USA
163.	OA16420	TS30	NLTAPLA56N1000269	USA
164.	OA16419	TS30	NLTAPLA54N1000268	USA
165.	OA16418	TS30	NLTAPLA52N1000267	USA
166.	OA16417	TS30	NLTAPLA50N1000266	USA
167.	OA16416	TS30	NLTAPLA59N1000265	USA
168.	OA16415	TS30	NLTAPLA57N1000264	USA
169.	OA16414	TS30	NLTAPLA55N1000263	USA
170.	OA16413	TS30	NLTAPLA53N1000262	USA
171.	OA16412	TS30	NLTAPLA51N1000261	USA
172.	OA16392	TS30	NLTAPLA5XN1000260	USA

No	Otpa No	Model	Chassis No	Country
173.	OA16391	TS30	NLTAPLA53N1000259	USA
174.	OA16390	TS30	NLTAPLA51N1000258	USA
175.	OA16389	TS30	NLTAPLA5XN1000257	USA
176.	OA16388	TS30	NLTAPLA58N1000256	USA
177.	OA16387	TS30	NLTAPLA56N1000255	USA
178.	OA16386	TS30	NLTAPLA54N1000254	USA
179.	OA16385	TS30	NLTAPLA52N1000253	USA
180.	OA16384	TS30	NLTAPLA50N1000252	USA
181.	OA16383	TS30	NLTAPLA59N1000251	USA
182.	OA16382	TS30	NLTAPLA57N1000250	USA
183.	OA16272	TS30	NLTAPLA50N1000249	USA
184.	OA16248	TS30	NLTAPLA50M1000248	USA
185.	OA15583	TS30	NLTAPLA57N1000281	USA