

Subject: General Software Improvement Bulletin    Bulletin Type: Field Fix Conditional

Bulletin No: TS45-FC-2301

PQR No: 500000007196, 500000007197

Rev No: 00

Ref. No: 700004200

Vehicle Model: TS45

Flat Rate Time / Code:50 min

Date of issue: 03.02.2023

Modify Before: 03.02.2024

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:

The purpose of the bulletin is to ensure the improvement of brake tank air pressure sensor warnings and fire extinguishing system warnings.

Bulletin Responsible: Bahadır Kaya

Published & Approved By: Alper Tekniker

## 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.

## INCLUDED PARTS LIST

|  | Part No | Part Name | Picture | Qty | Unit of Measure |
|--|---------|-----------|---------|-----|-----------------|
|  |         |           |         |     |                 |
|  |         |           |         |     |                 |
|  |         |           |         |     |                 |
|  |         |           |         |     |                 |
|  |         |           |         |     |                 |
|  |         |           |         |     |                 |
|  |         |           |         |     |                 |
|  |         |           |         |     |                 |
|  |         |           |         |     |                 |

## The program Link

### Kibes :

\*\* TS00-LC3-018 software should be installed on vehicles with software starting with TS00-LC3-...

<https://content.temsa.com/ContentServer/ContentServer.dll?get&pVersion=0045&contRep=ZADNSPEKTEP07101&docId=5CF3FCE8C08E1EEDAAF21ED3D07ABF82&accessMode=r&compId=TS00-LC3-018.zip>

### Multiviu :

\*\*TS00-MV-024 software should be installed on vehicles with software starting with TS00-MV-...

<https://content.temsa.com/ContentServer/ContentServer.dll?get&pVersion=0045&contRep=ZADNSPEKTEP07101&docId=5CF3FCE8C08E1EEDAA8F3617B4F9FBF82&accessMode=r&compId=TS00 MV 024.L2P.zip>

Uploading the up to date program(Kibes):

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

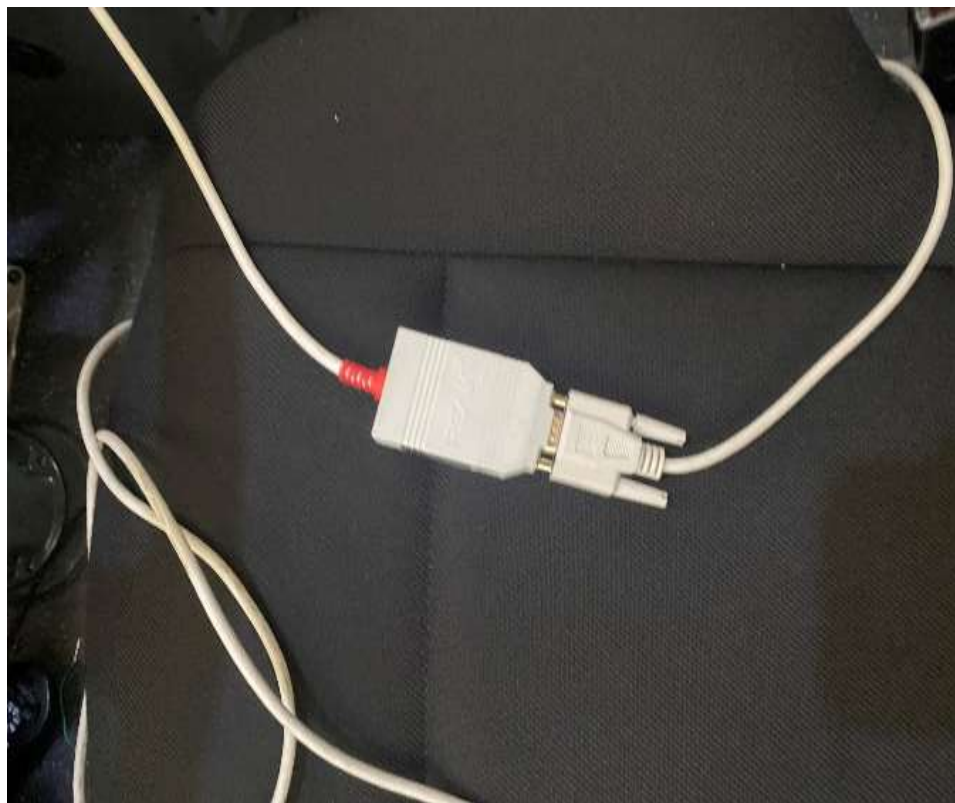
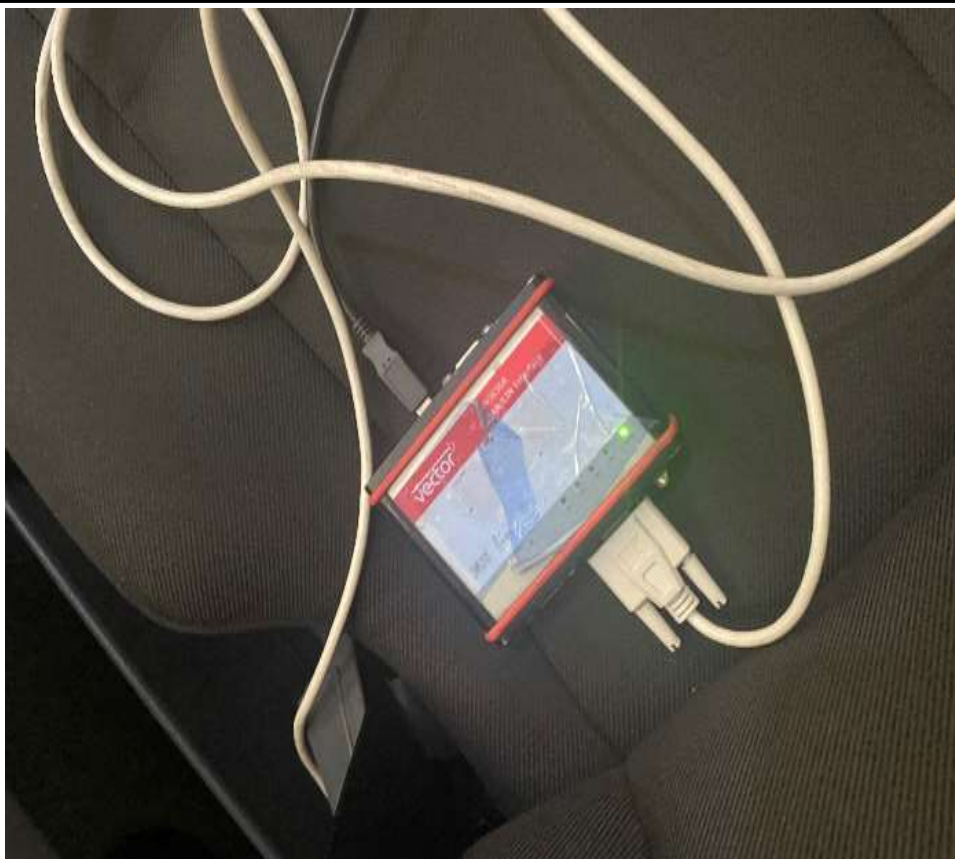


- 2- To install the KIBES software, locate the KIBES socket next to the OBD socket by looking at the label on the cover.

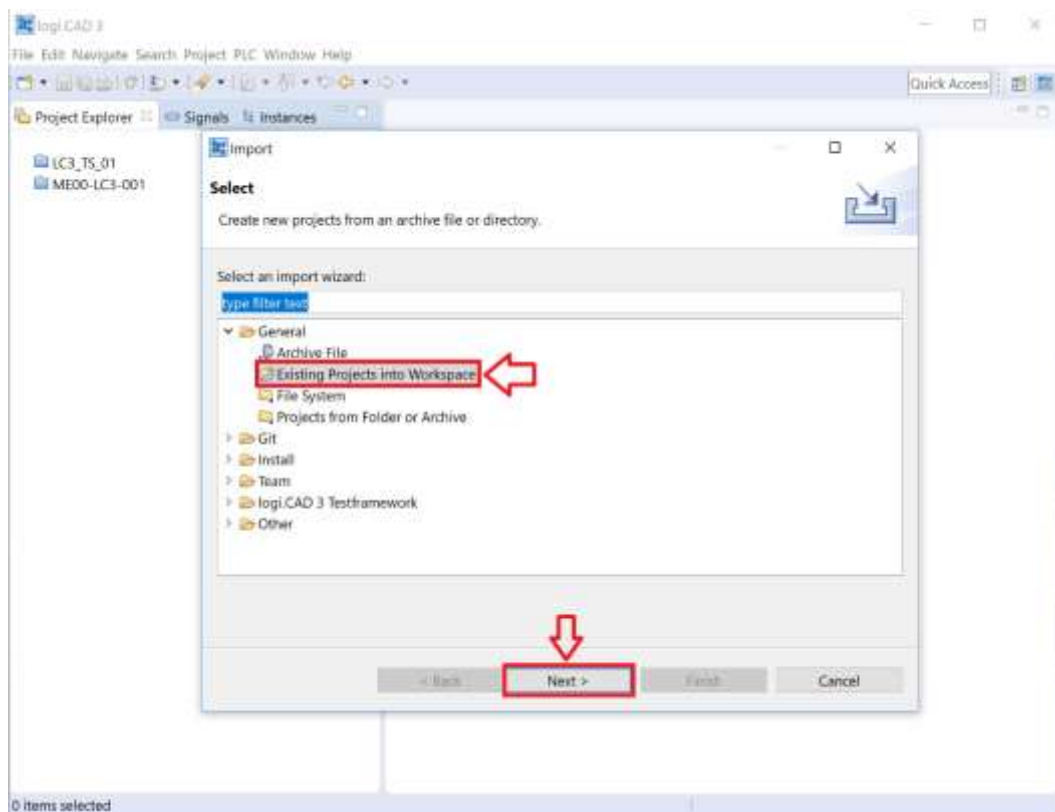
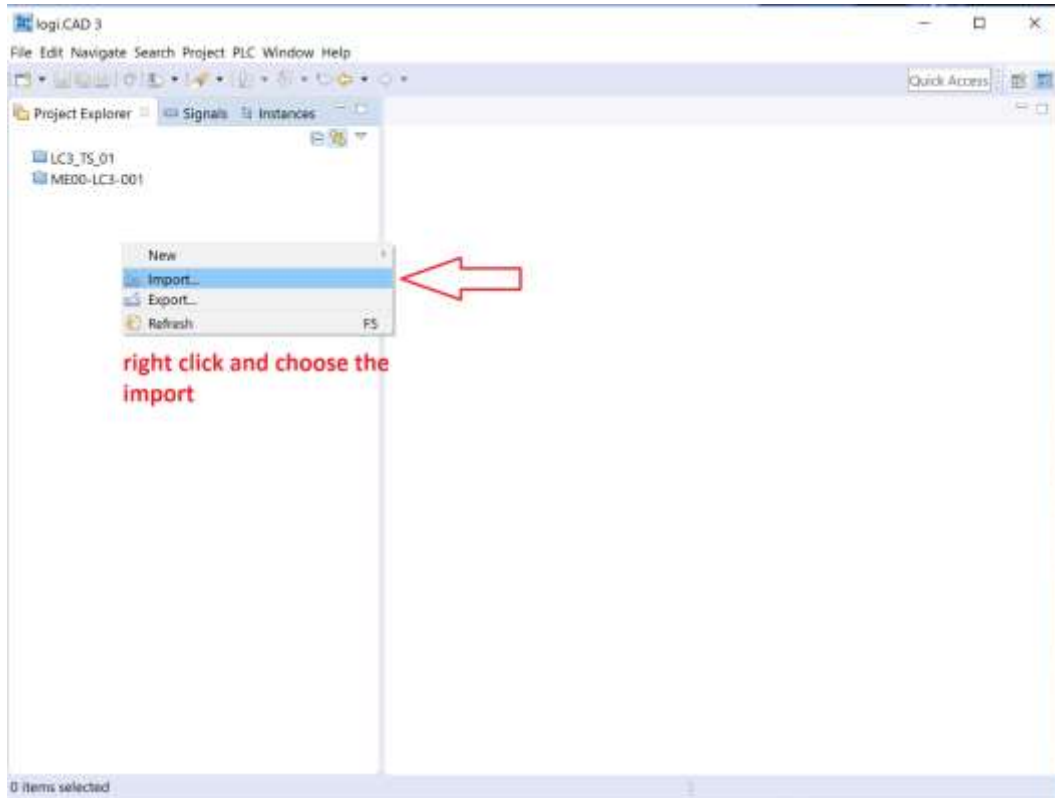


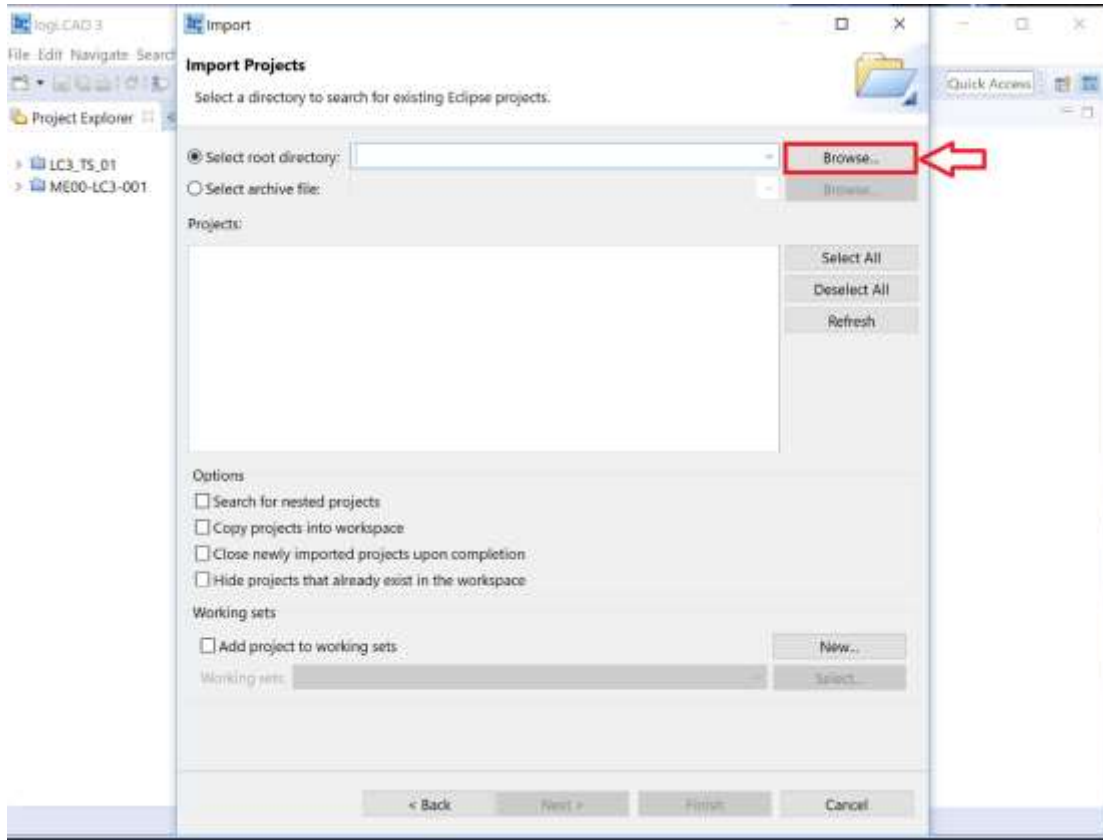
- 3- Connect one end of the KIBES cable to the CANalyzer or Peak cable and the other end to the KIBES diagnostic socket. Connect the CANalyzer or Peak output to the computer. Make sure that the KIBES dongle is inserted to your computer.



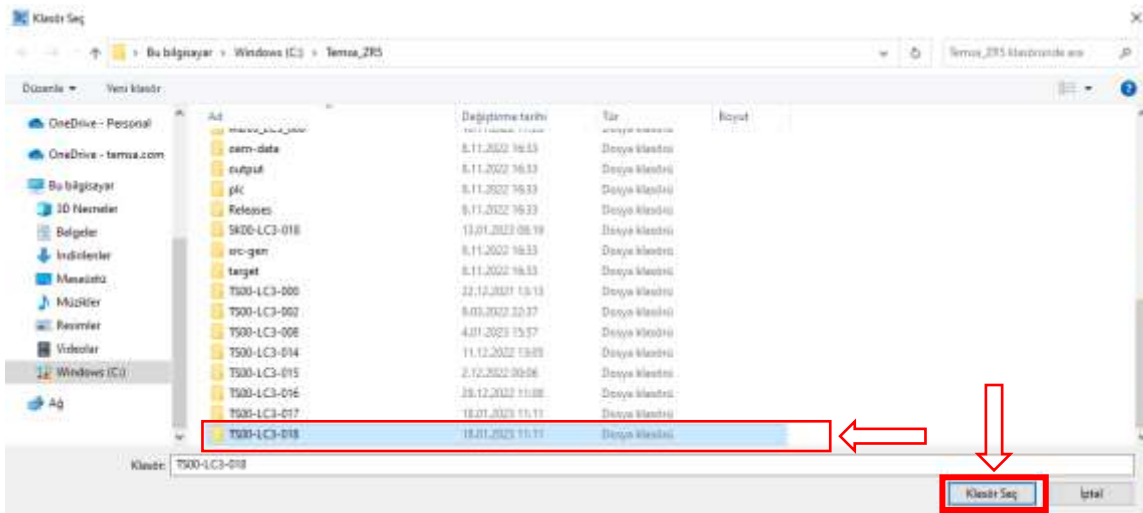


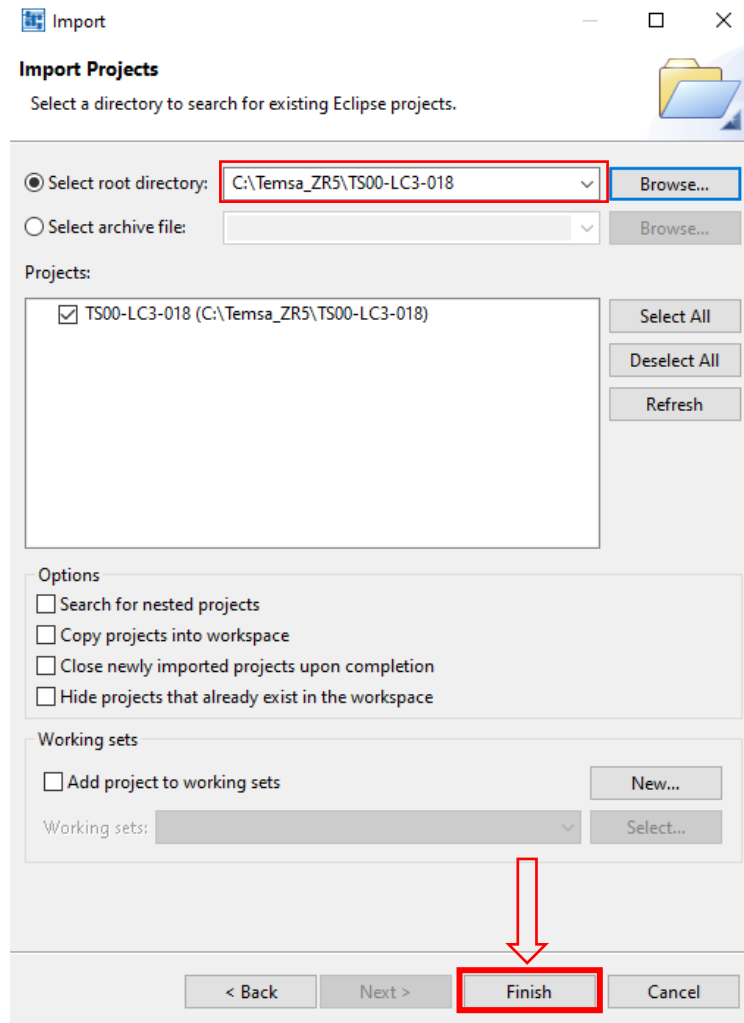
- 4- Install the KIBES software on the vehicle as described in the images. Turn the ignition switch on. Do not start the engine.



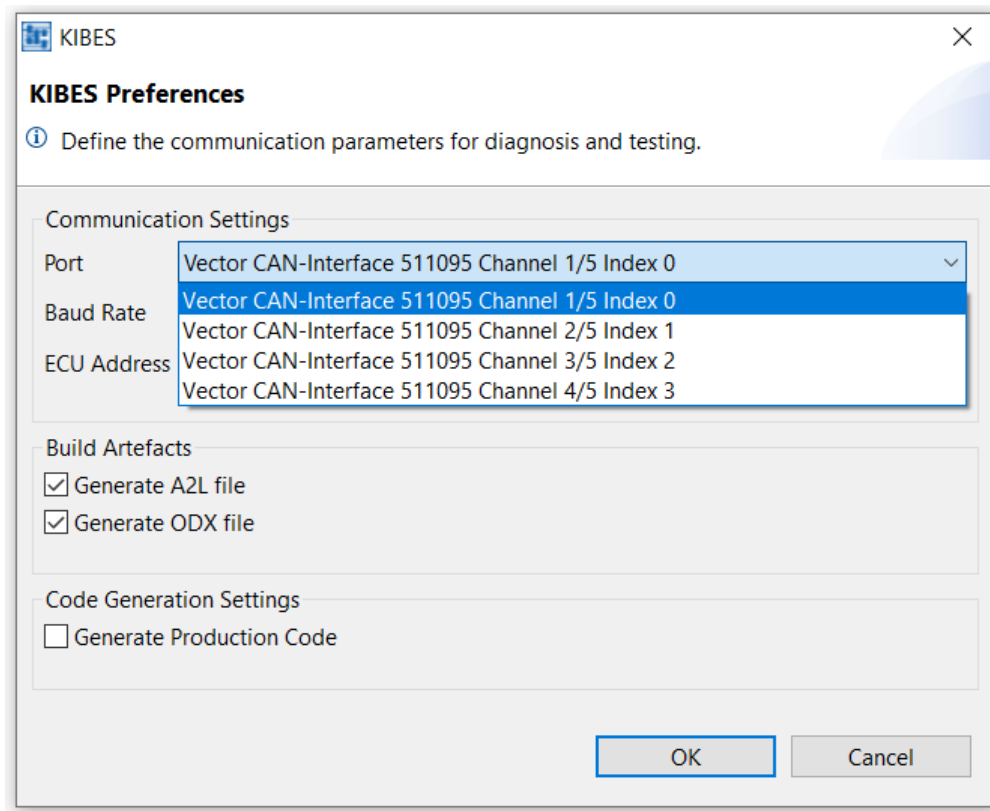
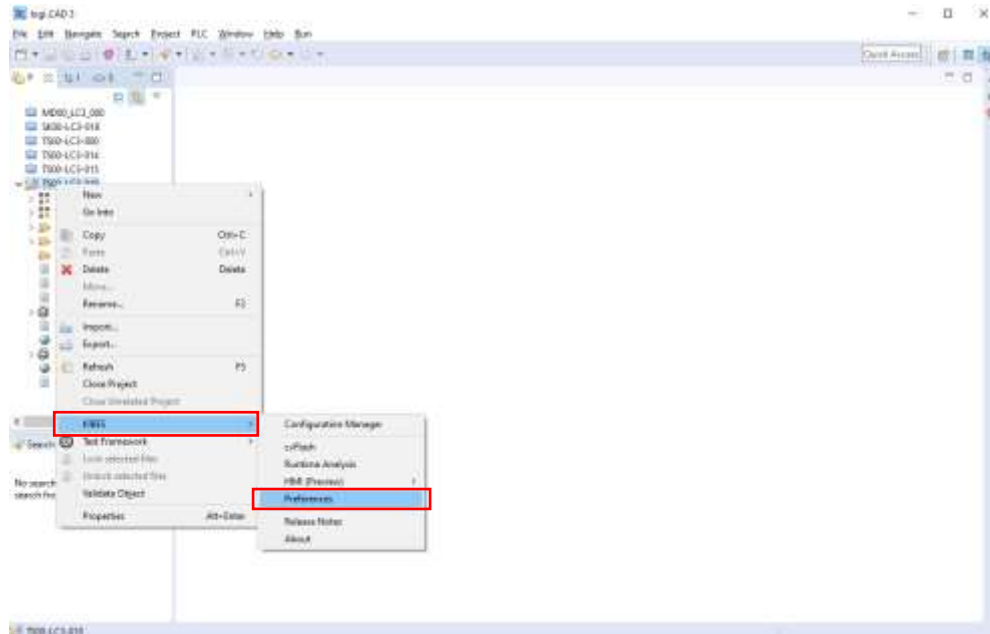


Hint: The software version must be selected correctly. The number shown in the picture may be representative.

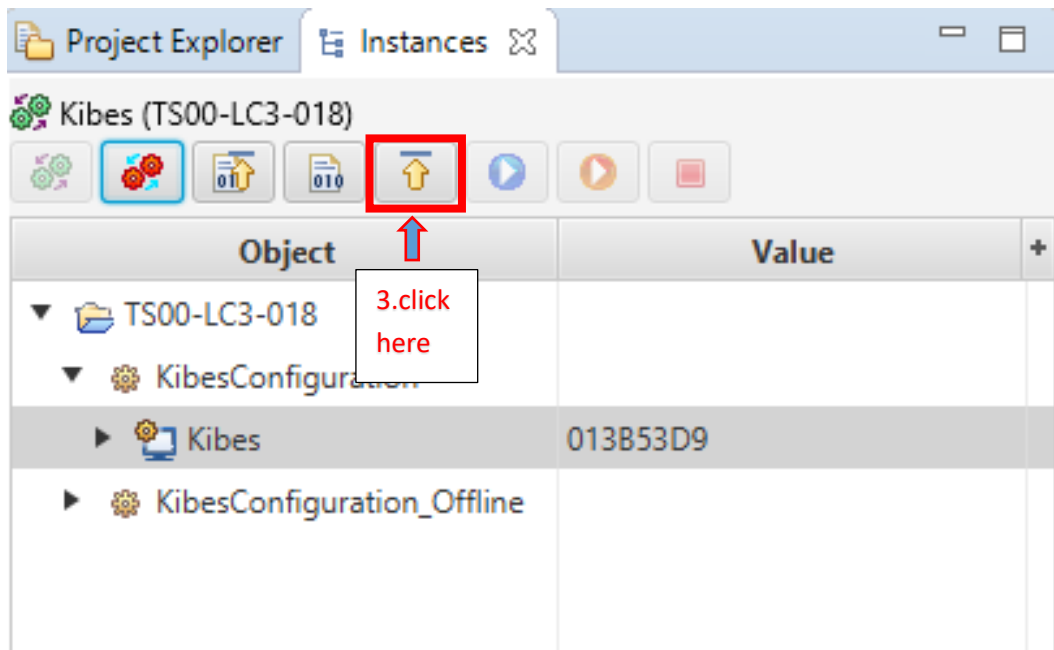
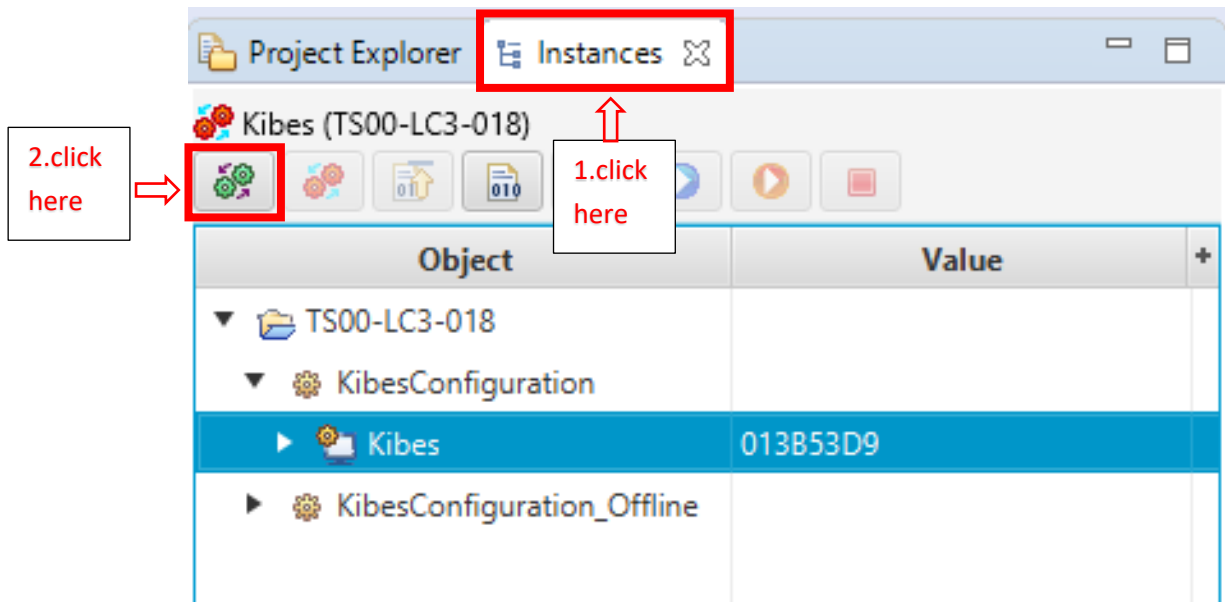




4.1- Click "Preferences" to check the **Baudrate** and **port**. (for TS Coachs 250000)



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



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.



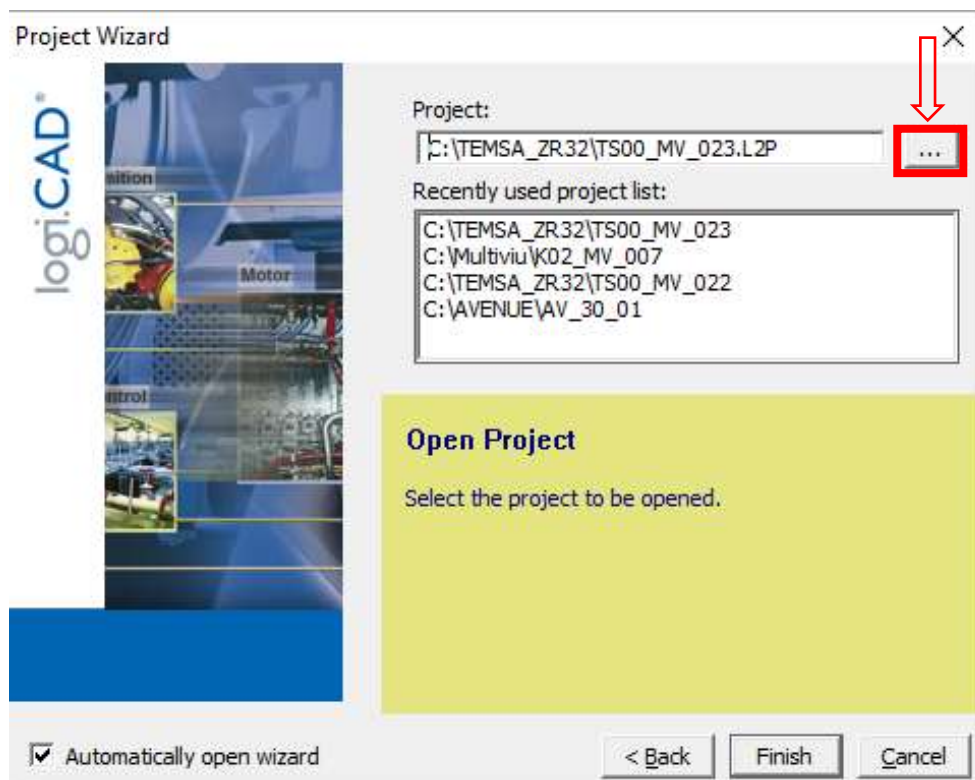
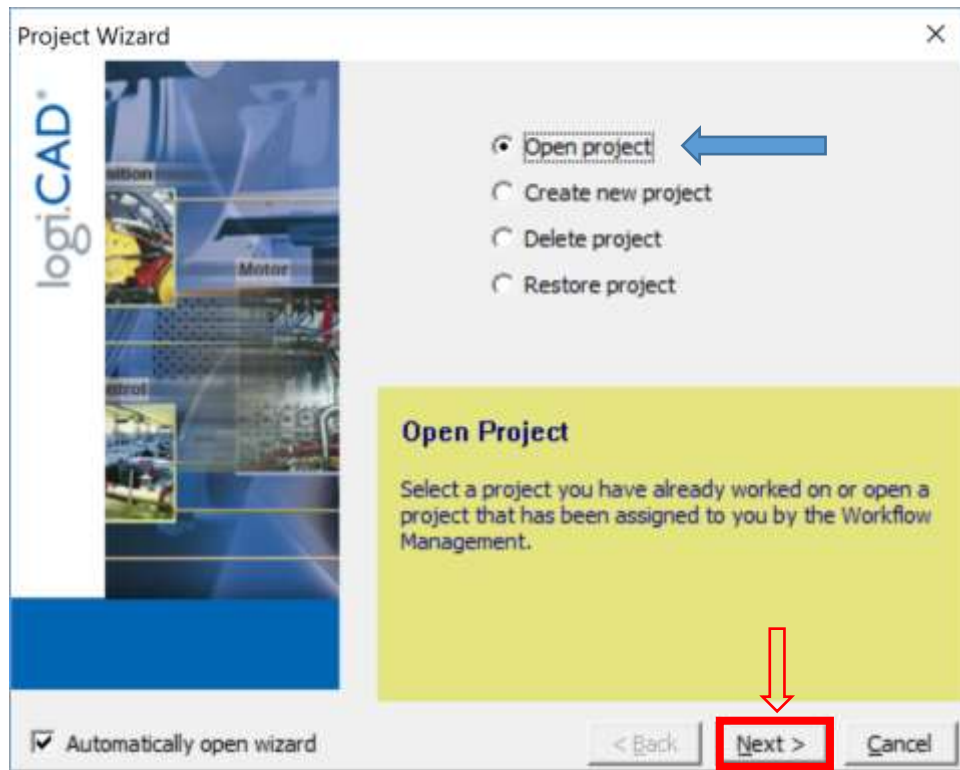


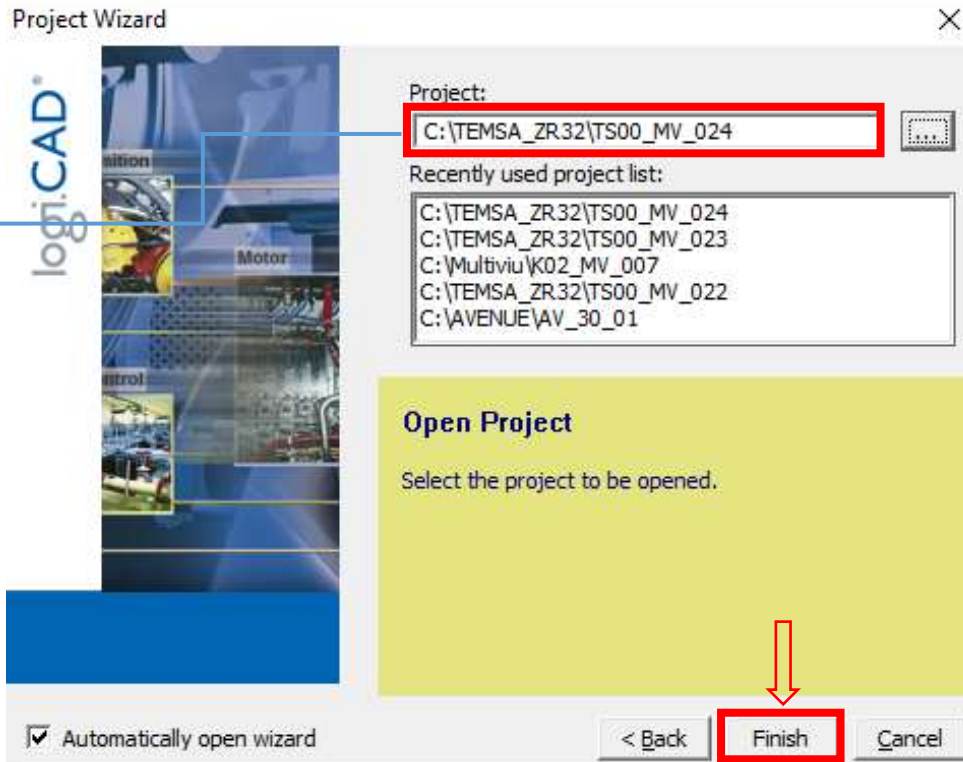
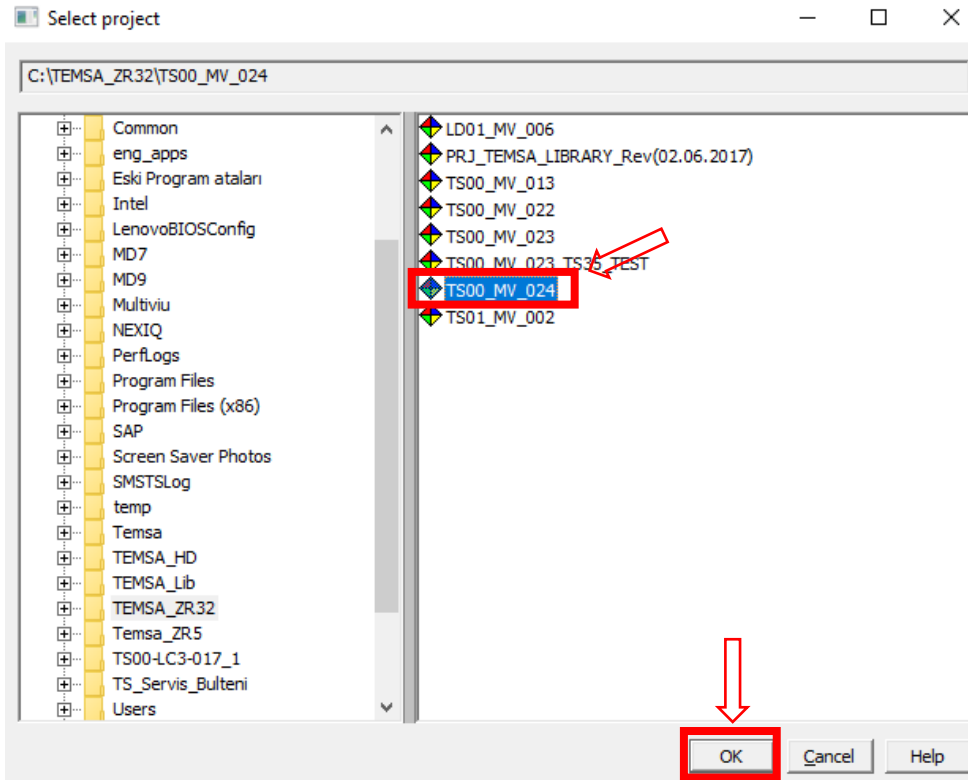
3- Turn the ignition switch on. Do not start the engine.

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



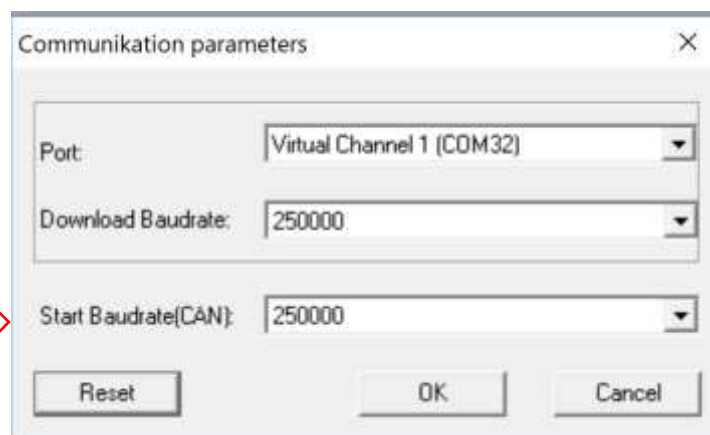
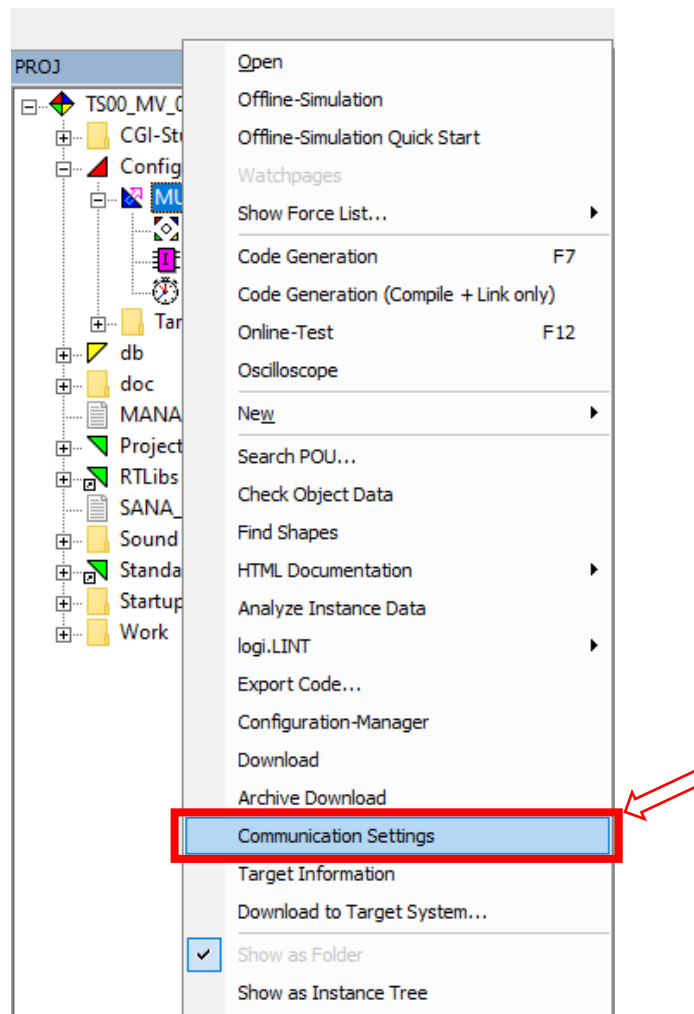
5- Select the “Open Project” selection and click “next”.





Make sure that  
right program is  
chosen.

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

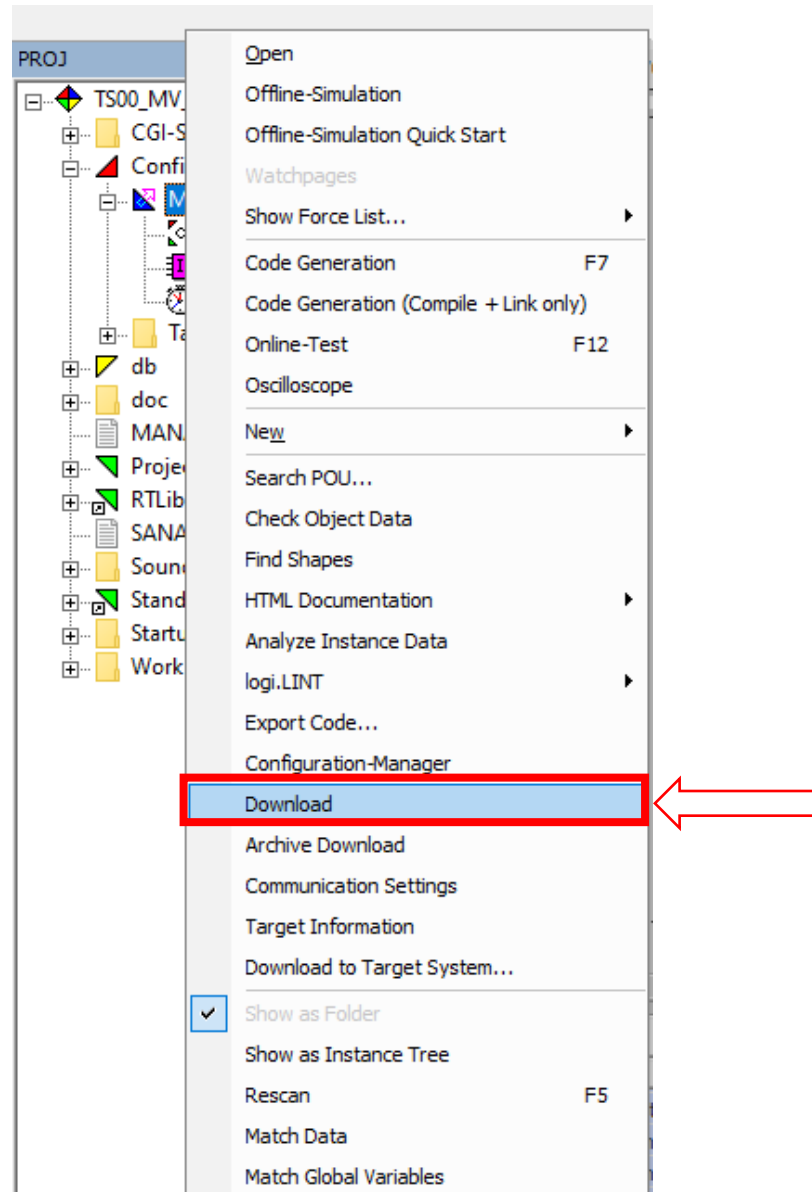


You can change  
“Start Baudrate”  
here

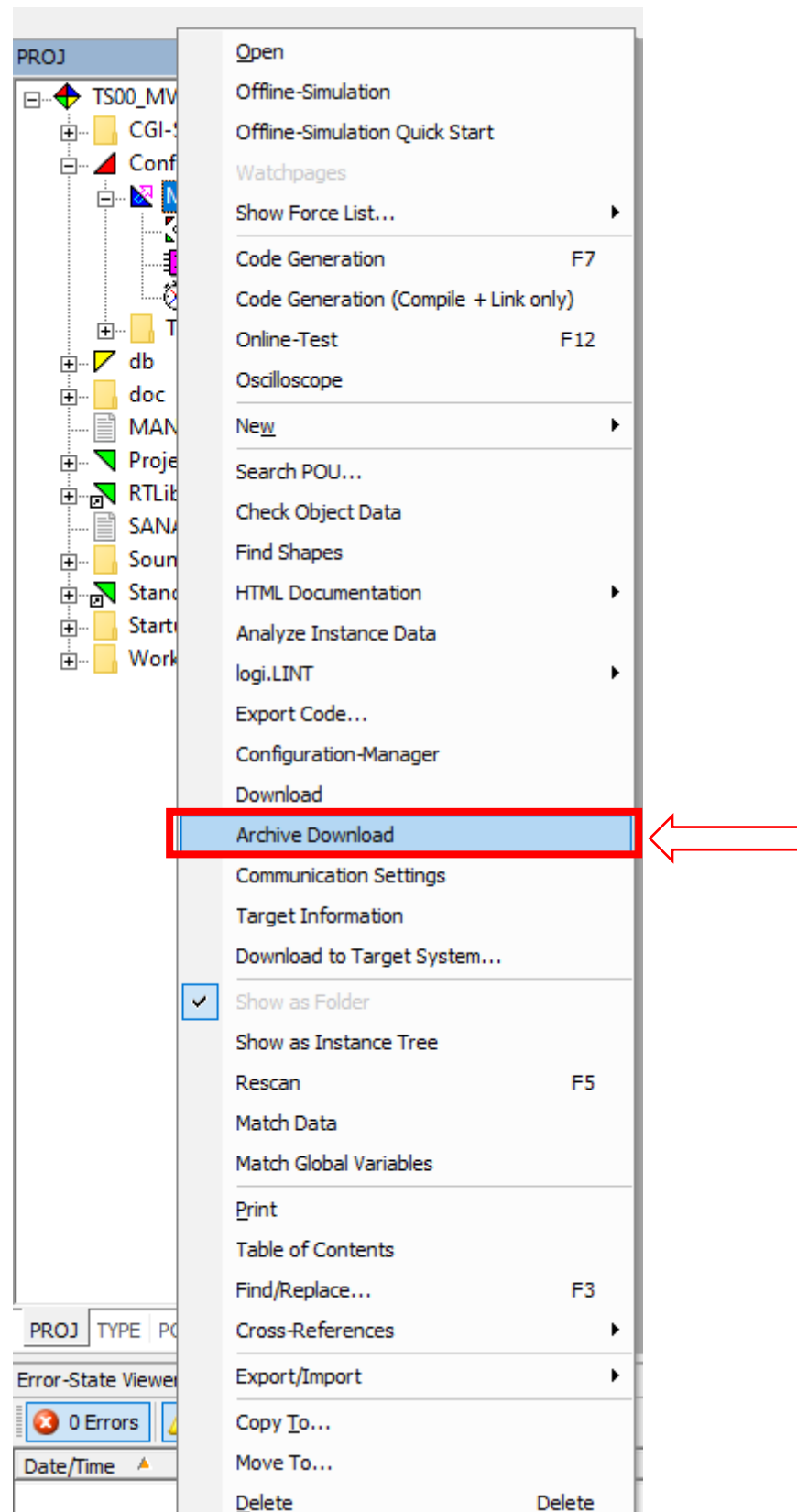
You can change port  
here. Please make  
sure correct port.

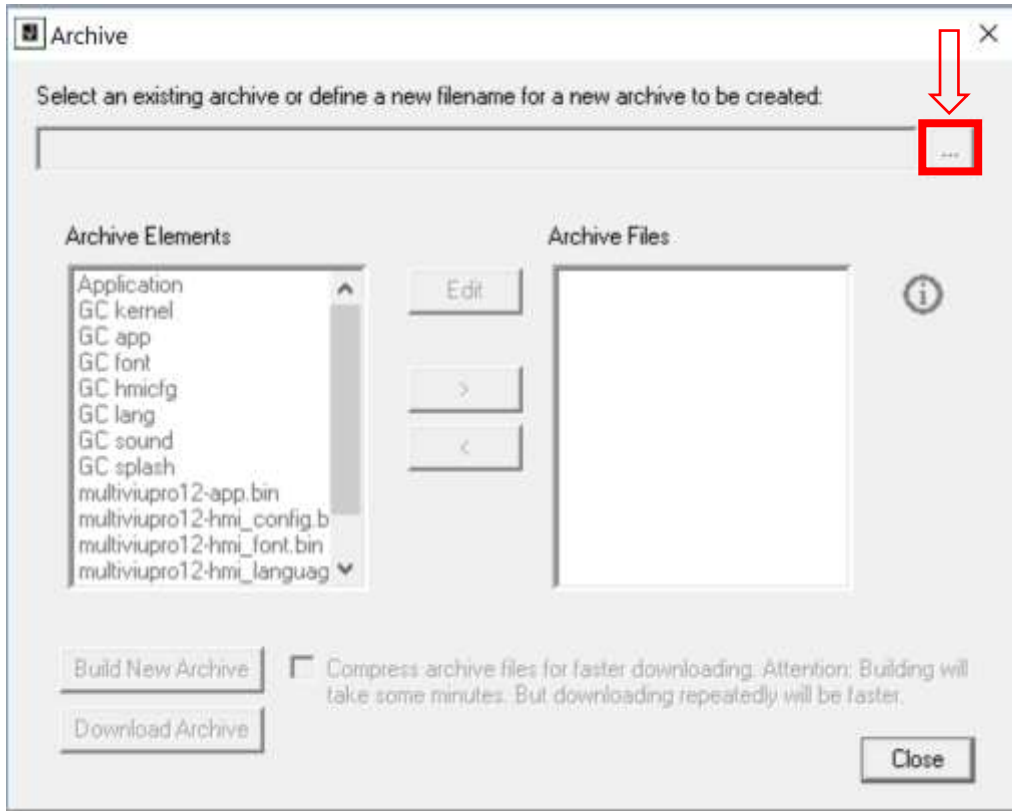
You can change  
“Download  
Baudrate” here

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

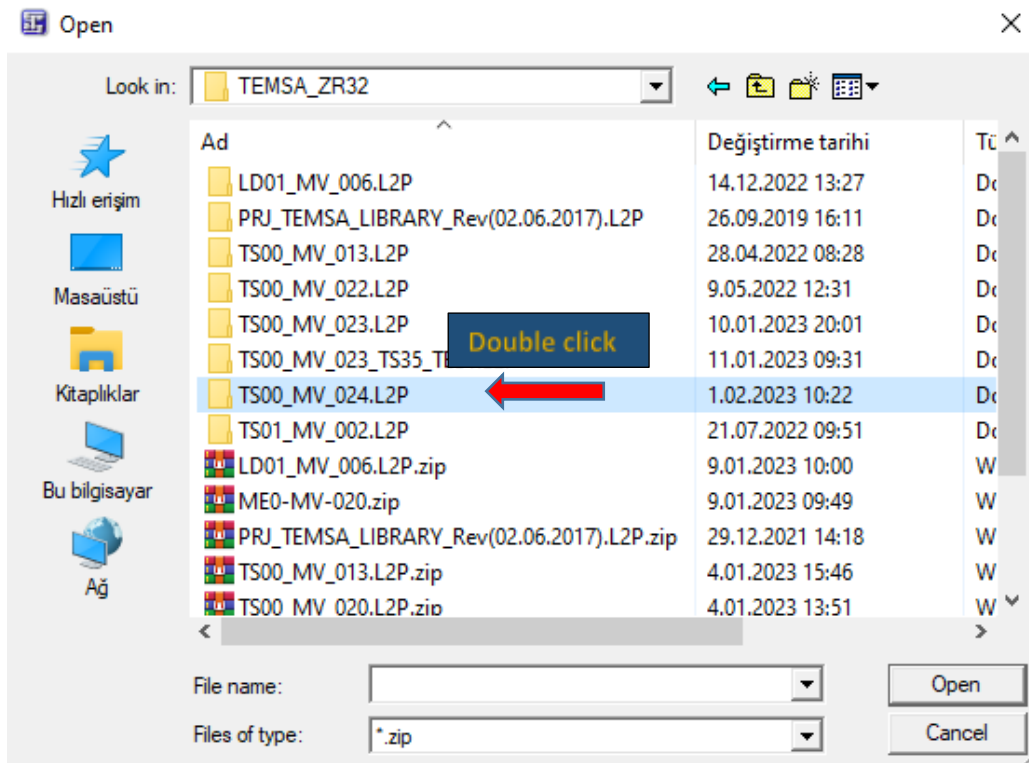


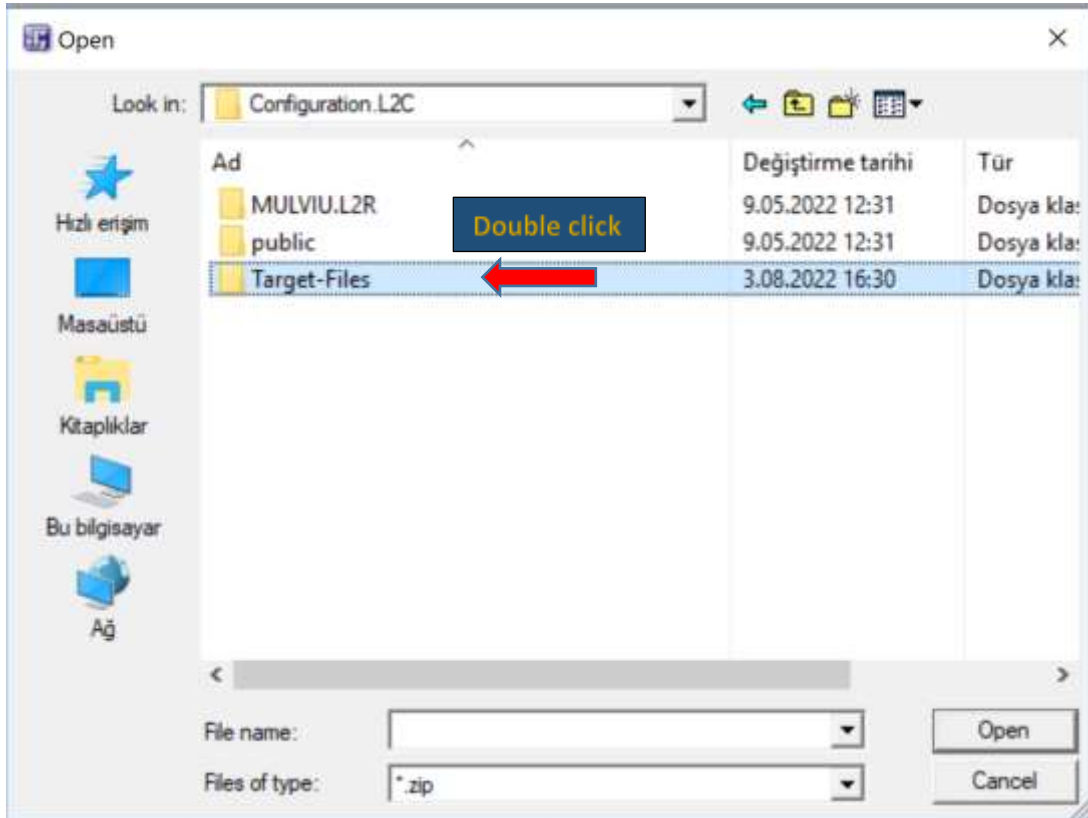
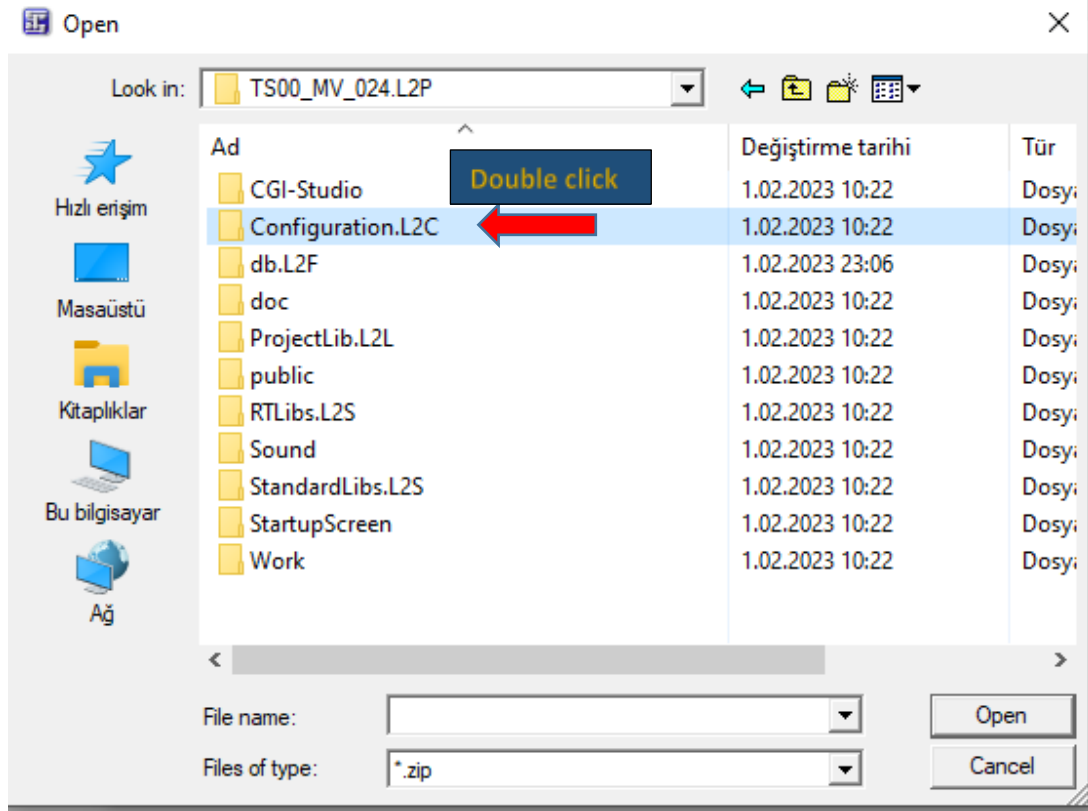
8-Right click on Mulviu again then click “Archive Download”



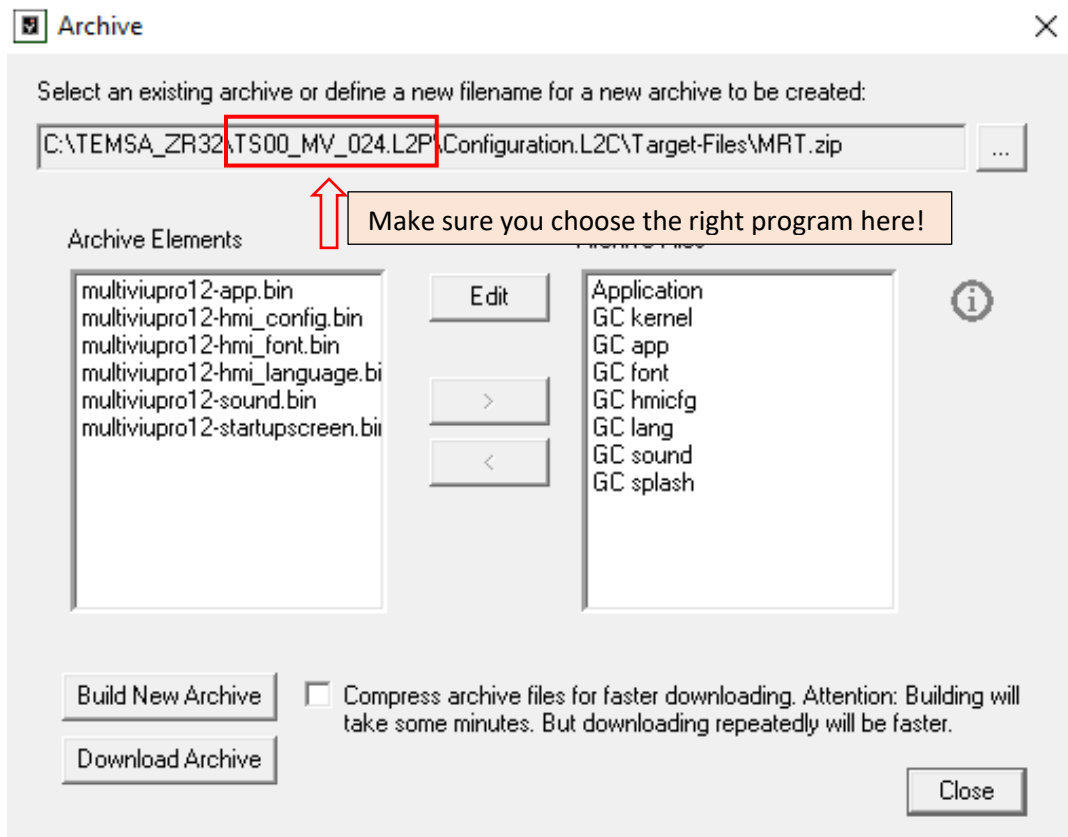
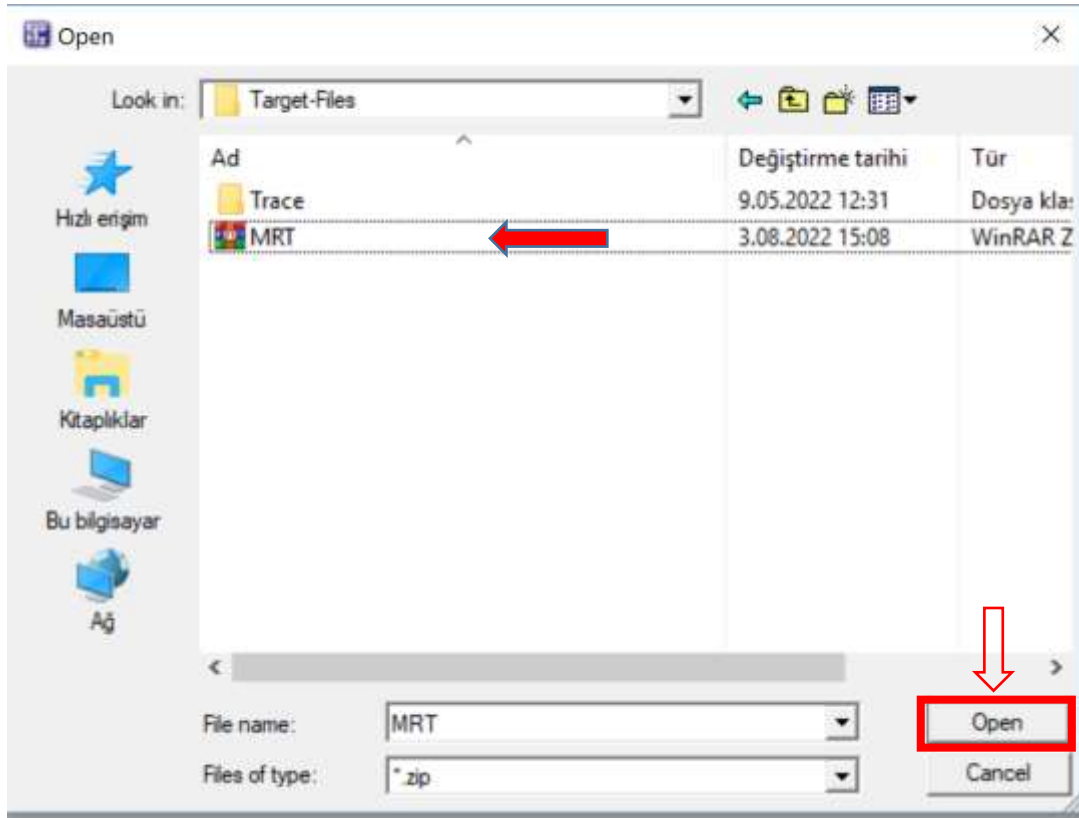


9- You should find program in your workspace then double click the program.

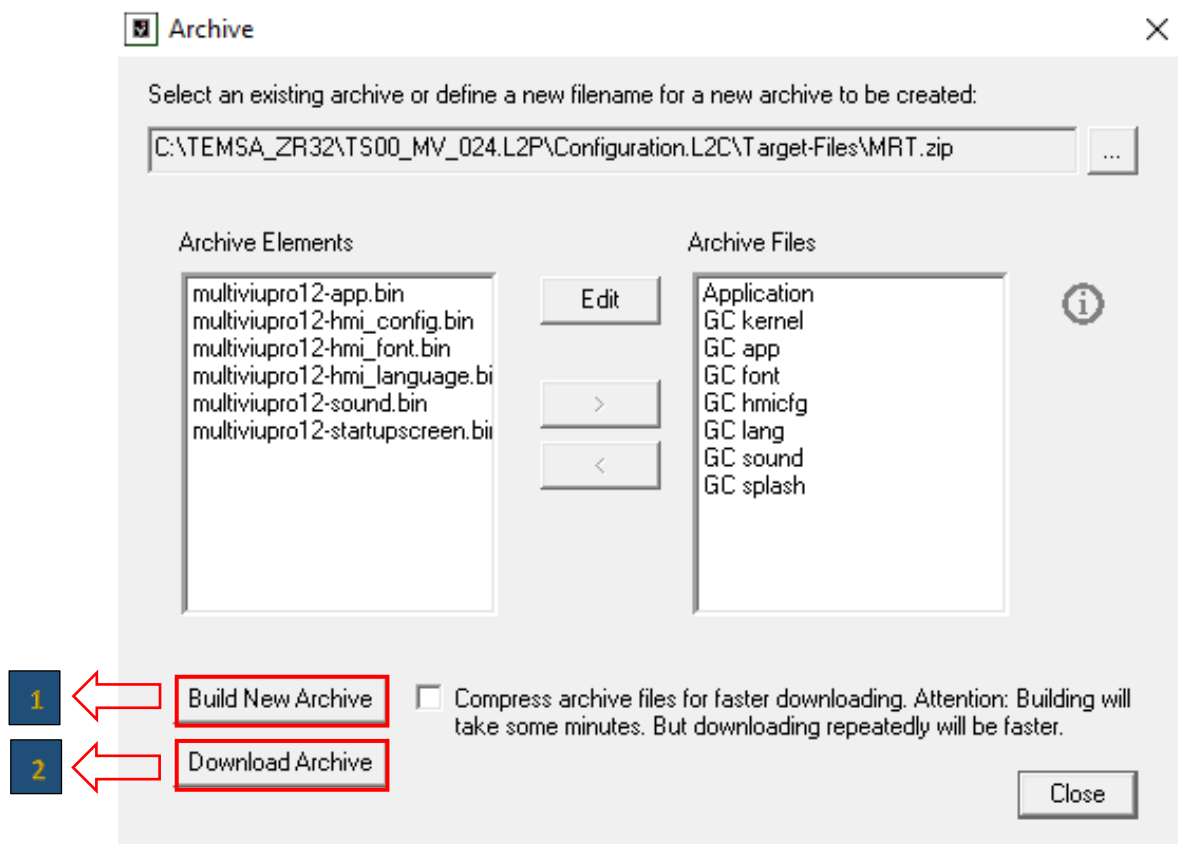




10- Click on “MRT” then click “Open”.



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.

## VEHICLE LIST

| No  | Otpa No | Model | Chassis No        | Country |
|-----|---------|-------|-------------------|---------|
| 1.  | OA15582 | TS45  | NLTEJXA92M1000328 | USA     |
| 2.  | OA15595 | TS45  | NLTEJXA94M1000329 | USA     |
| 3.  | OA16249 | TS45  | NLTEJXA96N1000334 | USA     |
| 4.  | OA16273 | TS45  | NLTEJXA99N1000330 | USA     |
| 5.  | OA16331 | TS45  | NLTEJXA90N1000331 | USA     |
| 6.  | OA16332 | TS45  | NLTEJXA92N1000332 | USA     |
| 7.  | OA16334 | TS45  | NLTEJXA98N1000335 | USA     |
| 8.  | OA16335 | TS45  | NLTEJXA9XN1000336 | USA     |
| 9.  | OA16336 | TS45  | NLTEJXA91N1000337 | USA     |
| 10. | OA16342 | TS45  | NLTEJXA9XP1000338 | CANADA  |
| 11. | OA16343 | TS45  | NLTEJXA95N1000339 | USA     |
| 12. | OA16344 | TS45  | NLTEJXA91N1000340 | USA     |
| 13. | OA16345 | TS45  | NLTEJXA93N1000341 | USA     |
| 14. | OA16346 | TS45  | NLTEJXA95N1000342 | USA     |
| 15. | OA16397 | TS45  | NLTEJXA97N1000343 | USA     |
| 16. | OA16398 | TS45  | NLTEJXA95P1000344 | USA     |
| 17. | OA16399 | TS45  | NLTEJXA90N1000345 | USA     |
| 18. | OA16400 | TS45  | NLTEJXA92N1000346 | USA     |
| 19. | OA16401 | TS45  | NLTEJXA94N1000347 | USA     |
| 20. | OA16402 | TS45  | NLTEJXA92P1000348 | USA     |
| 21. | OA16403 | TS45  | NLTEJXA94P1000349 | USA     |
| 22. | OA16404 | TS45  | NLTEJXA90P1000350 | CANADA  |
| 23. | OA16485 | TS45  | NLTEJXA92P1000351 | USA     |
| 24. | OA16486 | TS45  | NLTEJXA94P1000352 | USA     |
| 25. | OA16487 | TS45  | NLTEJXA96P1000353 | USA     |
| 26. | OA16488 | TS45  | NLTEJXA98P1000354 | USA     |
| 27. | OA16505 | TS45  | NLTEJXA9XP1000355 | USA     |
| 28. | OA16506 | TS45  | NLTEJXA91P1000356 | USA     |
| 29. | OA16507 | TS45  | NLTEJXA93P1000357 | USA     |
| 30. | OA16508 | TS45  | NLTEJXA95P1000358 | USA     |
| 31. | OA16509 | TS45  | NLTEJXA97P1000359 | USA     |
| 32. | OA16527 | TS45  | NLTEJXA93P1000360 | USA     |
| 33. | OA16528 | TS45  | NLTEJXA95P1000361 | USA     |
| 34. | OA16529 | TS45  | NLTEJXA97P1000362 | USA     |
| 35. | OA16530 | TS45  | NLTEJXA99P1000363 | USA     |
| 36. | OA16531 | TS45  | NLTEJXA90P1000364 | USA     |
| 37. | OA16542 | TS45  | NLTEJXA92P1000365 | USA     |
| 38. | OA16543 | TS45  | NLTEJXA94P1000366 | USA     |
| 39. | OA16544 | TS45  | NLTEJXA96P1000367 | USA     |
| 40. | OA16555 | TS45  | NLTEJXA98P1000368 | USA     |
| 41. | OA16556 | TS45  | NLTEJXA9XP1000369 | USA     |
| 42. | OA16557 | TS45  | NLTEJXA96P1000370 | USA     |
| 43. | OA16641 | TS45  | NLTEJXA98P1000371 | USA     |
| 44. | OA16642 | TS45  | NLTEJXA9XP1000372 | USA     |
| 45. | OA16643 | TS45  | NLTEJXA91P1000373 | USA     |
| 46. | OA16644 | TS45  | NLTEJXA93P1000374 | USA     |
| 47. | OA16645 | TS45  | NLTEJXA95P1000375 | USA     |
| 48. | OA16646 | TS45  | NLTEJXA97P1000376 | USA     |

| No  | Otpa No | Model | Chassis No        | Country |
|-----|---------|-------|-------------------|---------|
| 49. | OA16647 | TS45  | NLTEJXA99P1000377 | USA     |
| 50. | OA16727 | TS45  | NLTEJXA90P1000378 | USA     |
| 51. | OA16728 | TS45  | NLTEJXA92P1000379 | USA     |
| 52. | OA16736 | TS45  | NLTEJXA99P1000380 | USA     |
| 53. | OA16737 | TS45  | NLTEJXA90P1000381 | USA     |
| 54. | OA16745 | TS45  | NLTEJXA92P1000382 | USA     |
| 55. | OA16783 | TS45  | NLTEJXA94P1000383 | USA     |
| 56. | OA16784 | TS45  | NLTEJXA96P1000384 | USA     |
| 57. | OA16786 | TS45  | NLTEJXA9XP1000386 | USA     |
| 58. | OA16790 | TS45  | NLTEJXA91P1000387 | USA     |
| 59. | OA16880 | TS45  | NLTEJXA93P1000388 | USA     |
| 60. | OA16881 | TS45  | NLTEJXA95P1000389 | USA     |
| 61. | OA16882 | TS45  | NLTEJXA91P1000390 | USA     |
| 62. | OA16898 | TS45  | NLTEJXA93P1000391 | USA     |

## LABOR BREAKDOWN

| Application                     | Time       |
|---------------------------------|------------|
| Downloading ZR5 Kibes Program   | 5m         |
| Downloading Multiviu Program    | 5m         |
| Archive Downloading of Multiviu | 40m        |
|                                 |            |
| <b>Total Labor Time</b>         | <b>50m</b> |