

# BMW\_2024\_U12 Chassis EPS Online Programming and Coding Instructions

## Tested Model

For 2024 X1, after replacing the EPS (Electric Power Steering) with a new one, it is necessary to program and code it.



## Procedure

1. Turn on the vehicle ignition switch, connect the diagnostic connector, and choose BMW V51.50 or later version.
2. Choose [Automatically Search] and read vehicle information.



**Information**

BMW V51.55 > Automatically Search

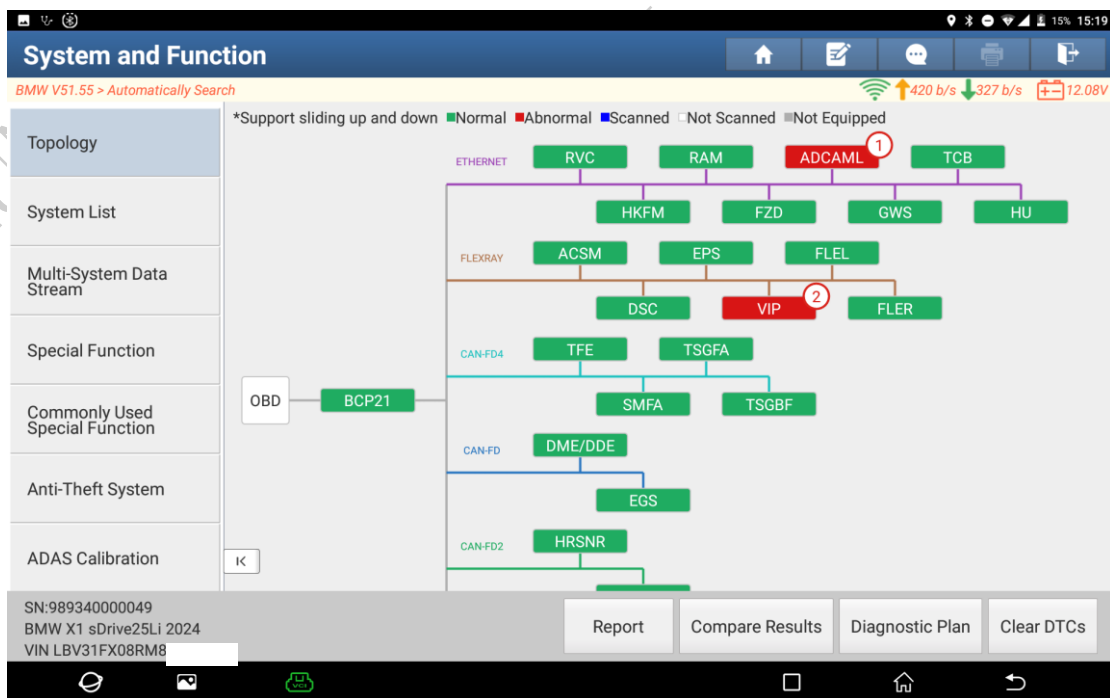
17 b/s 0 b/s 12.10V

| Vehicle Information            | Configuration   |
|--------------------------------|-----------------|
| Vehicle Identification Number: | LBV31FX08RM     |
| Development Code:              | U12             |
| Series:                        | X'              |
| Sales Designation:             | X1 sDrive25Li   |
| Gearbox:                       | X               |
| Steering:                      | left-hand drive |
| Construction Date:             | 2023.11         |
| Country:                       | CUN             |

**NEXT**

SN:98934000049  
BMW X1 sDrive25Li 2024  
VIN LBV31FX08RM

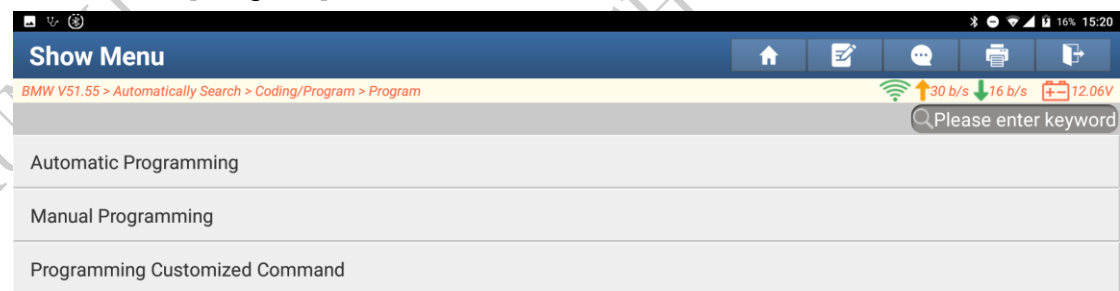
### 3. Choose [NEXT].



## 4. Choose [Coding/Program].



## 5. Choose [Program].



## 6. Choose [Automatic Programming].

Vehicle Order

BMW V51.55 > Automatically Search > Coding/Program > Program

60 b/s 33 b/s 12.06V

| Vehicle Information            | Configuration  |
|--------------------------------|----------------|
| Vehicle Identification Number: | LBVKY7109J5    |
| CHASSIS:                       | G038           |
| Factory Data Status:           | S15C-17-11-540 |
| Current Data Status:           | S15C-17-11-540 |
| Target Data Status:            | S15C-24-07-530 |
| Mileage (Km [Mls]):            | 59230(36803)   |
| TYPE DESTINATION CODE:         | KY71           |
| TIME CRITERION:                | 1117           |

NEXT Vehicle Order Change

SN:98934000049  
BMW X1 sDrive25Li 2024  
VIN LBV31FX08R

## 7. Choose [NEXT] to calculate the programming plan.

Verify Information

BMW V51.55 > Automatically Search > Coding/Program > Program

30 b/s 16 b/s 12.06V

| System Name                             | Current Value   | Vehicle Calculation   | Function Name          |
|---|---|---|------------------------|
| VTG (Transfer box)                      | HWEL_00002064_040_008_003<br>CAFD_00002066_000_028_014<br>BTLD_000030CC_021_032_000<br>SWFL_000033EE_000_036_002<br>SWFL_000033EF_001_036_003   | HWEL_00002064_040_008_003<br>CAFD_00002066_000_042_010<br>BTLD_000030CC_021_032_000<br>SWFL_000033EE_000_044_000<br>SWFL_000033EF_001_044_001   | Program SW, Coding CD, |
| EPS (Electro-mechanical power steering) | HWEL_0000206A_002_131_001<br>HWAP_0000247E_255_255_255<br>CAFD_0000206D_007_041_003<br>BTLD_00007653_023_048_001<br>SWFL_000034DD_013_042_002<br>SWFL_000034DE_013_042_002<br>SWFK_00003573_021_047_000 | HWEL_0000206A_002_131_001<br>HWAP_0000247E_255_255_255<br>CAFD_0000206D_007_041_004<br>BTLD_00007653_023_048_001<br>SWFL_000071F9_023_048_001<br>SWFL_000071FA_023_048_001<br>SWFK_0000B1A5_023_049_000 | Program SW, Coding CD, |

NEXT

SN:98934000049  
BMW X1 sDrive25Li 2024  
VIN LBV31FX08R

BMW V51.55 > Automatically Search > Coding/Program > Program

60 b/s 33 b/s 12.06V

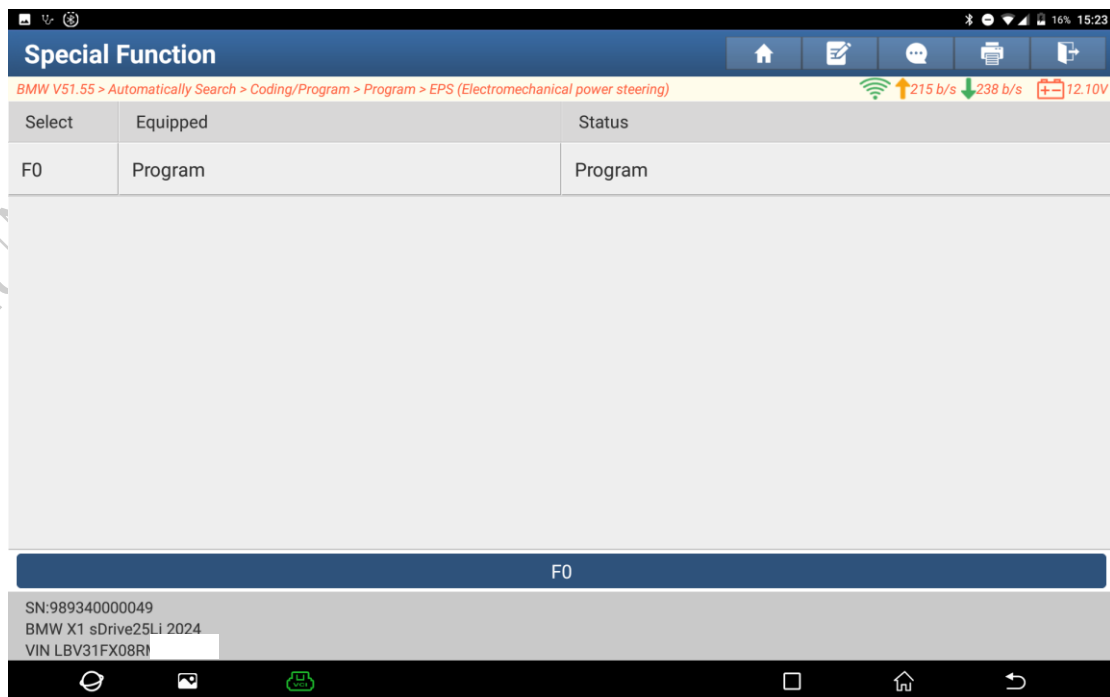
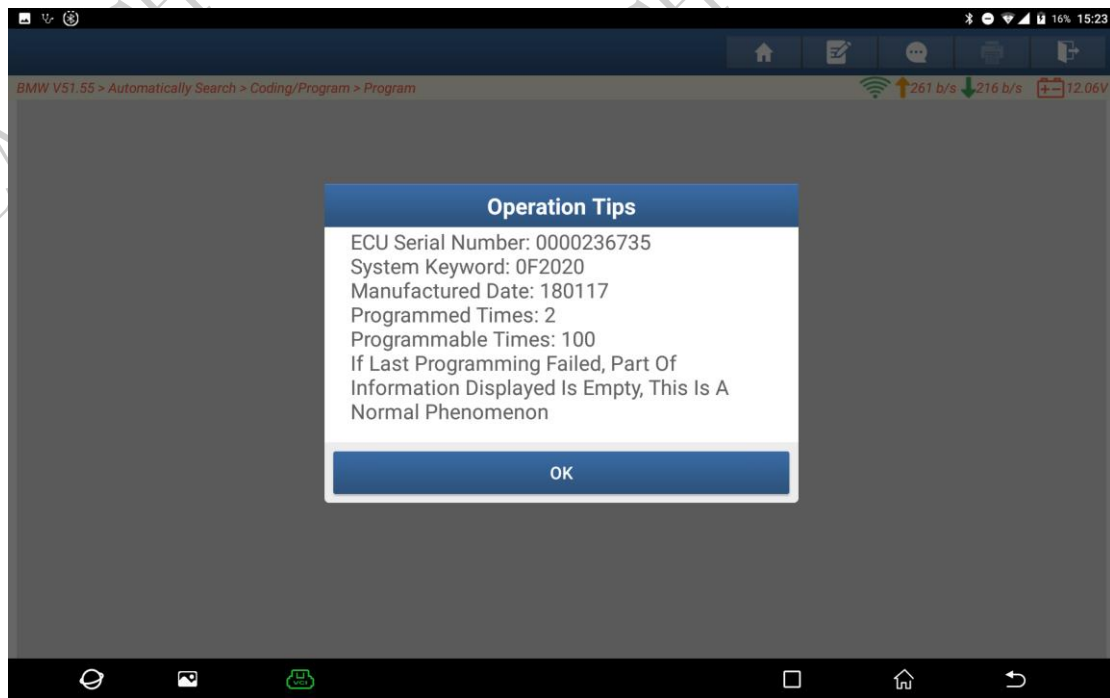
| Program System List                    |           | Common Functions And Programming Tips |           |           |           |          |                |
|--|-----------|---------------------------------------|-----------|-----------|-----------|----------|----------------|
| System Name                            | Replace H | Program B                             | Program S | Coding CD | Program G | Navigati | Current Status |
| ACSM (Crash safety module)             |           | 0                                     | 0         | 0         |           |          |                |
| TRSVc (allround-view camera)           |           | 0                                     | 0         | 0         |           |          |                |
| ZGM (Central Gateway Module)           |           | 0                                     | 0         |           | 0         |          |                |
| DME/DDE (Digital Engine Electronics)   |           |                                       | 0         | 0         |           |          |                |
| mission management)                    | EG        |                                       | 0         | 0         |           |          |                |
| VTG (Transfer box)                     |           |                                       | 0         | 0         |           |          |                |
| DSC (Dynamic stability control)        |           |                                       | 0         | 0         |           |          |                |
| USS (Parking manoeuvring assistant)    |           |                                       | 0         | 0         |           |          |                |
| EPS (Electromechanical power steering) |           |                                       | 0         | 0         |           |          |                |

8. Choose the EPS system and click [Program].

BMW V51.55 > Automatically Search > Coding/Program > Program

60 b/s 33 b/s 12.06V

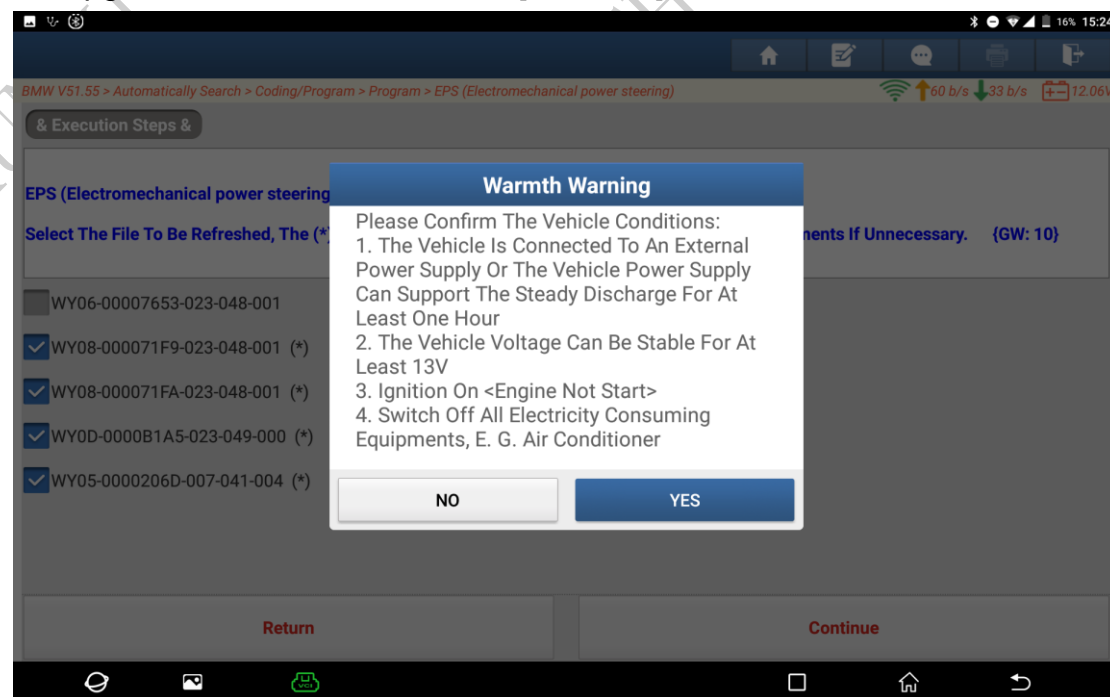
| Program System List                    |  | Common Functions And Programming Tips |   |   |  |  |         |
|--|--|---------------------------------------|---|---|--|--|---------|
| DME/DDE (Digital Engine Electronics)   |  |                                       | 0 | 0 |  |  | Program |
| onic transmission management)          |  |                                       | 0 | 0 |  |  | Coding  |
| VTG (Transfer box)                     |  |                                       | 0 | 0 |  |  |         |
| DSC (Dynamic stability control)        |  |                                       | 0 | 0 |  |  |         |
| USS (Parking manoeuvring assistant)    |  |                                       | 0 | 0 |  |  |         |
| EPS (Electromechanical power steering) |  |                                       | 0 | 0 |  |  |         |
| BDC (Body Domain Controller)           |  | 0                                     | 0 | 0 |  |  |         |
| FLEL (Frontal Light Electronics Left)  |  |                                       | 0 | 0 |  |  |         |
| FLER (Frontal Light Electronics Right) |  |                                       | 0 | 0 |  |  |         |
| FZD (Roof function centre)             |  | 0                                     | 0 | 0 |  |  |         |



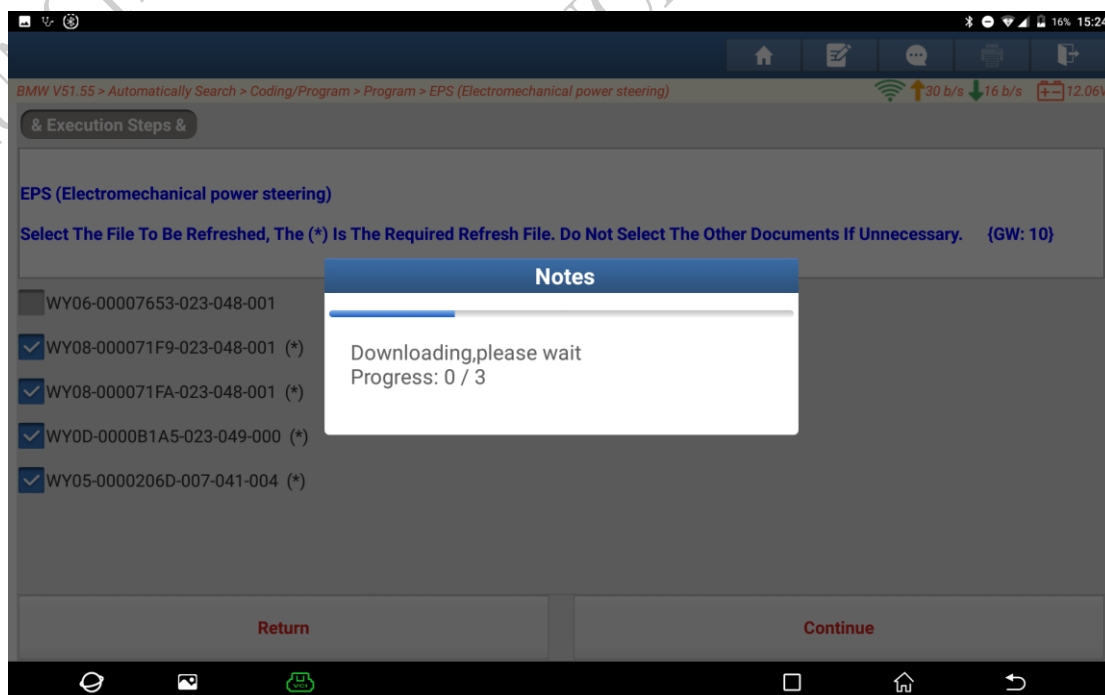
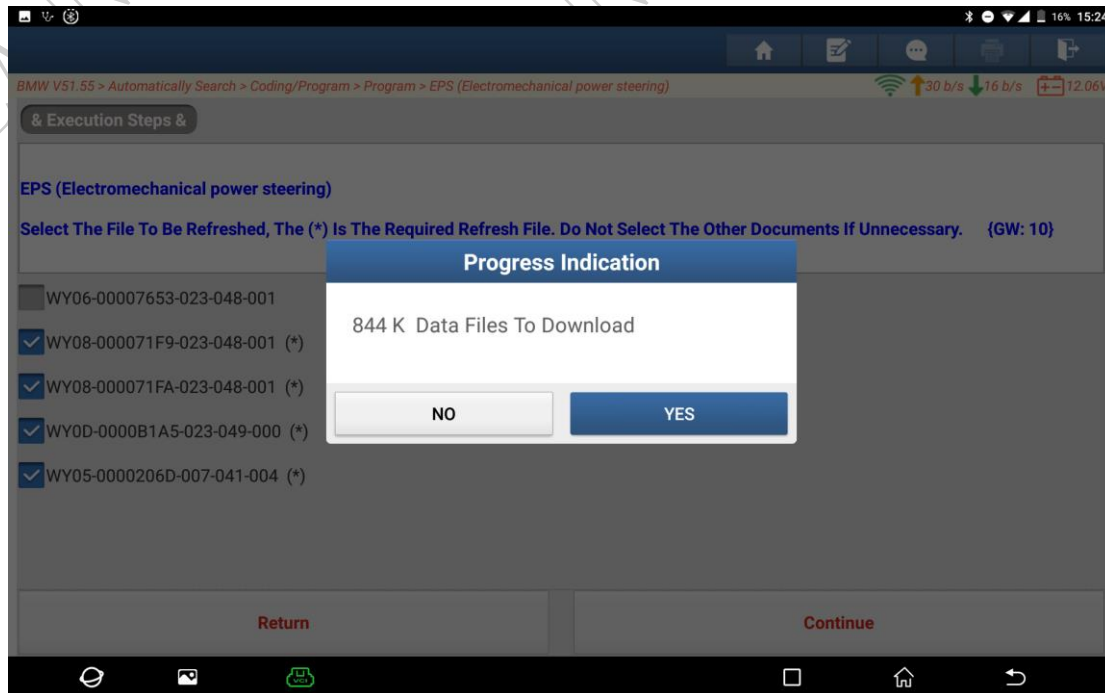
9. Click [F0].



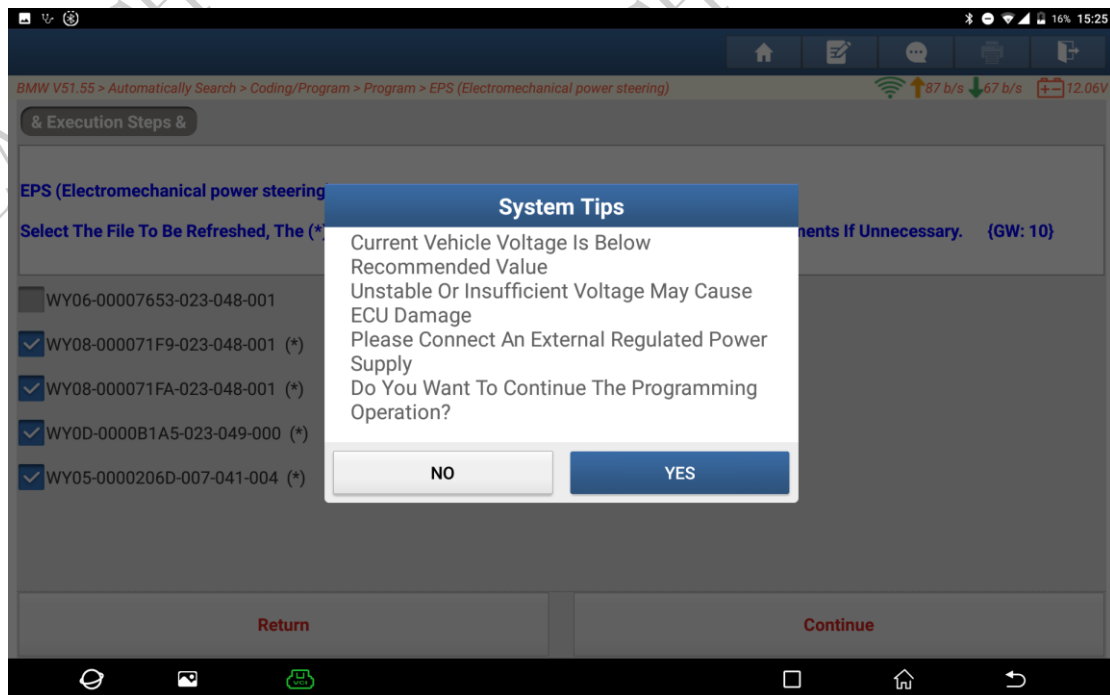
10. Upgrade all, check all, and click [Continue].



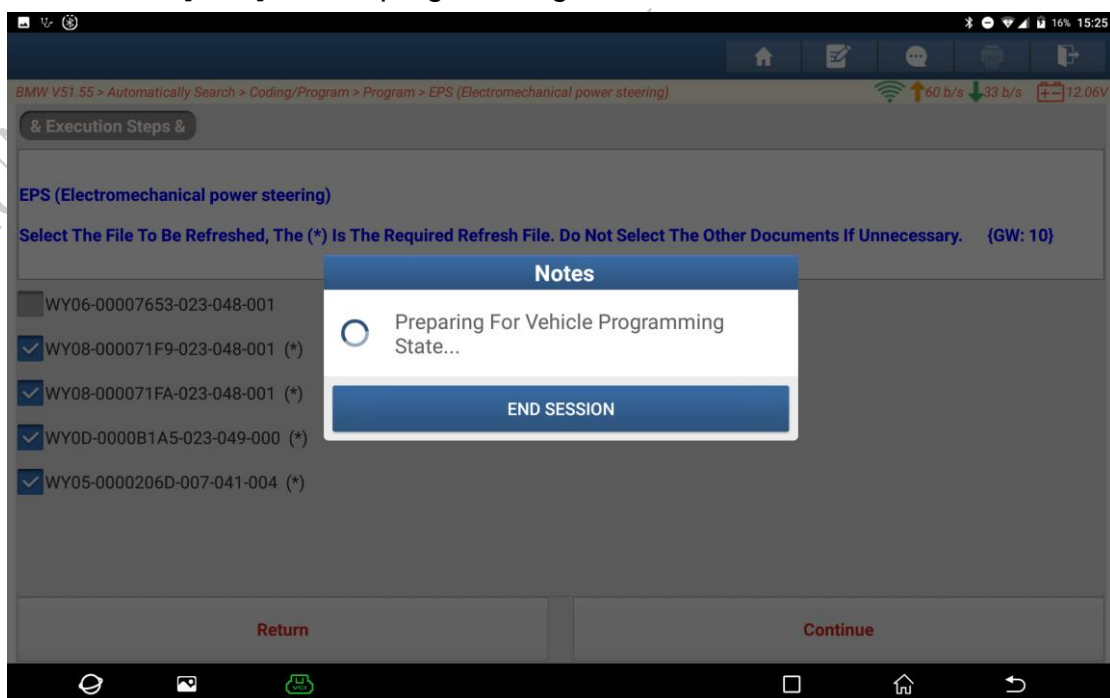
11. Ensure that the programming conditions are met, and then choose [YES] to download the programming file.

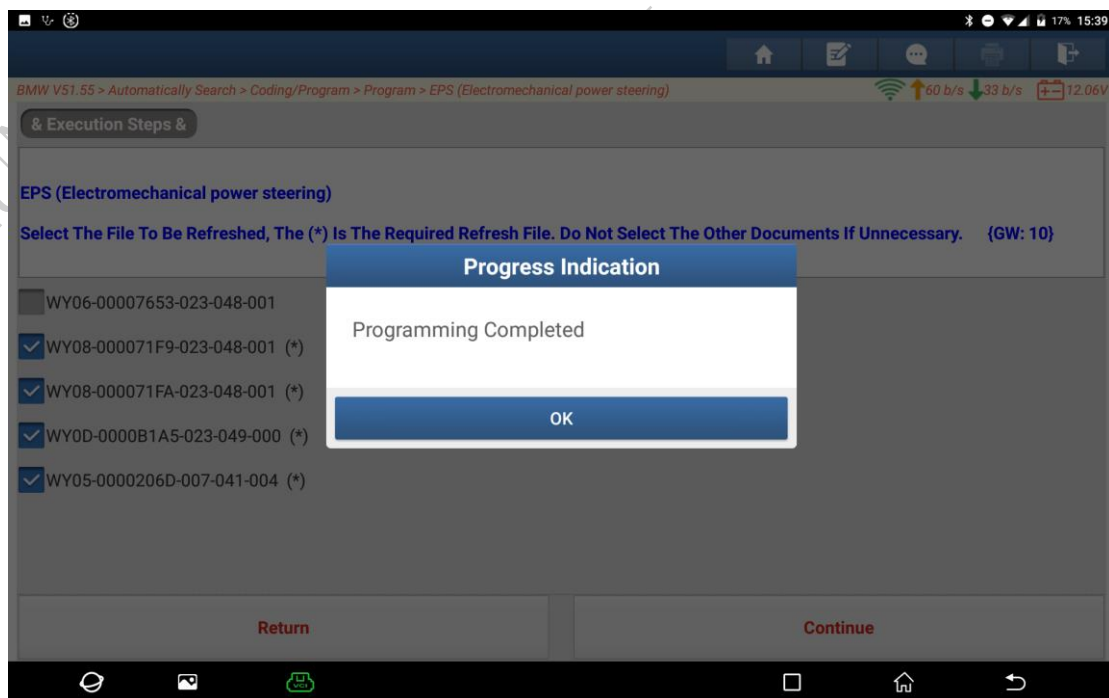
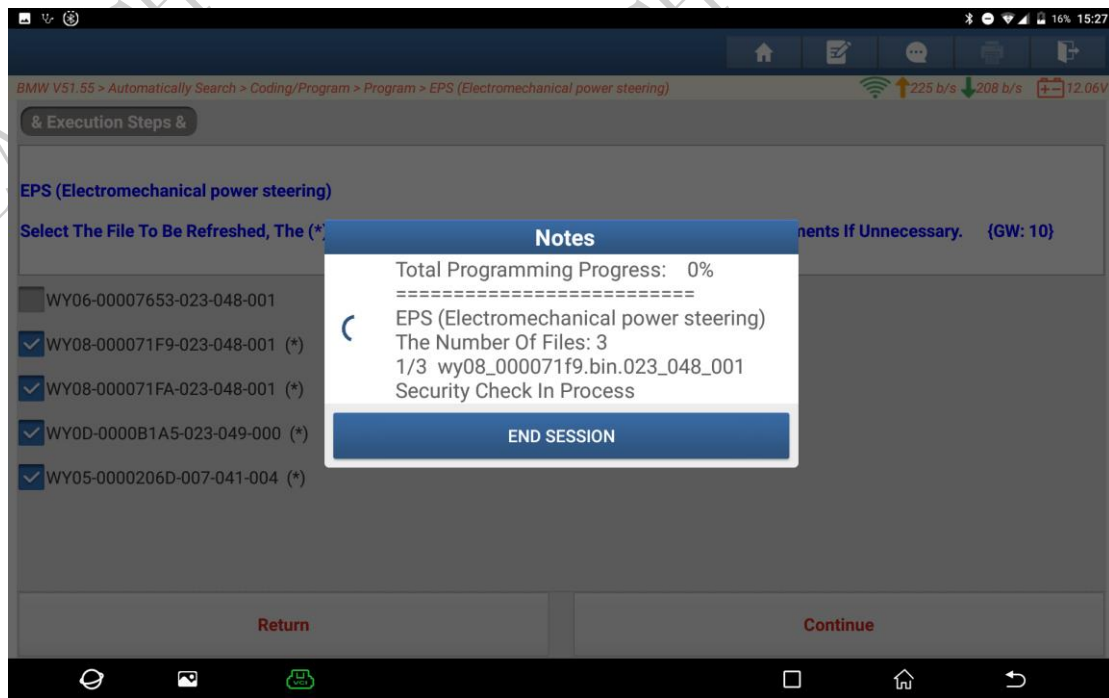




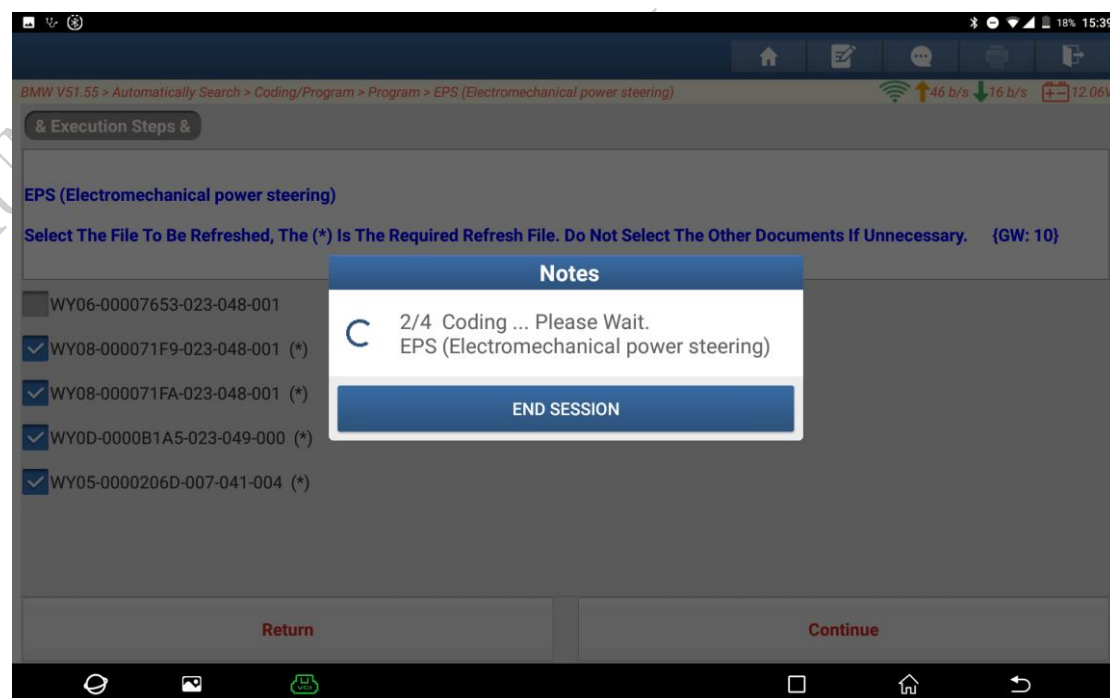
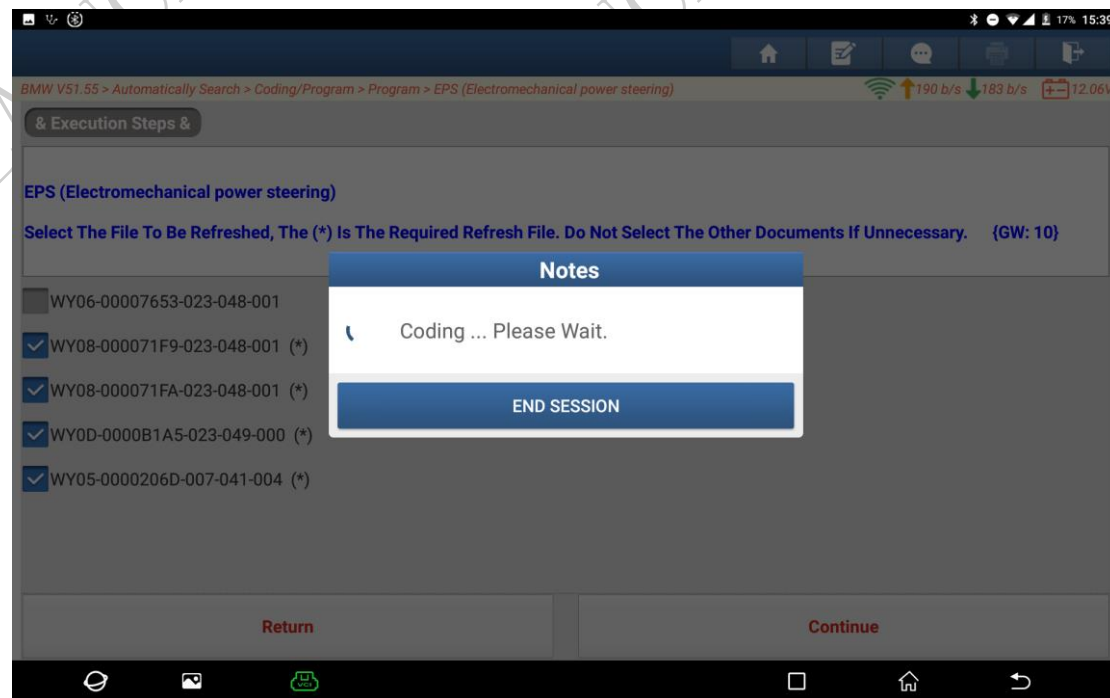


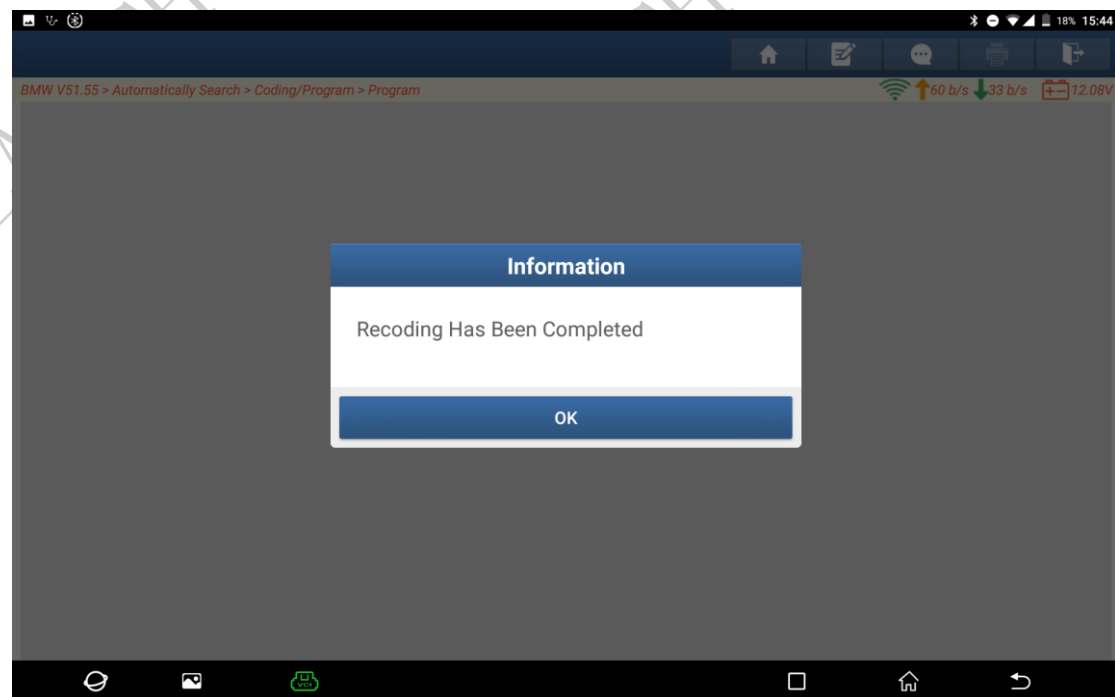
12. Choose [YES] to start programming.





13. Programming is completed. Click OK and then proceed with online coding.





At this point, the EPS programming and coding operations for 2024 X1 are completed.

## Statement

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