

# How to Perform 8TF VO Removal for Pedestrian Safety

## *(Disabling Pedestrian Safety System)*

David Petric

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## Disclaimer

This guide is for informational purposes only. The author takes no responsibility for any damage, loss, or issues arising from following the procedure described here. Perform the actions at your own risk and ensure you have the proper technical knowledge and equipment.

## Introduction

The purpose of this guide is to walk you through the process of removing the **8TF (Pedestrian Safety)** option from the Vehicle Order (VO) of your BMW. This guide will cover how to safely remove the pyrotechnic connections, disable the 8TF option using **E-Sys**, and clear any error codes using **ISTA+**.

## Tools and Equipment Required

- **Basic hand tools** (sockets, screwdrivers, etc.)
- **OBD ENET cable** to connect your vehicle to a laptop
- **E-Sys software** for coding
- **ISTA+ software** for clearing errors
- **Multimeter** (optional)
- **Safety gloves and goggles** for protection when working with pyrotechnic elements

## Step-by-Step Procedure

### Step 1: Unplug the Pyrotechnic Plugs Under the Hood

The pedestrian safety system includes four pyrotechnic plugs located under the bonnet (hood):

1. **Locate the front pyrotechnic plugs:** Near the bonnet locks at the front of the car.

Carefully disconnect them by pressing the release tabs and pulling them out.

2. **Locate the rear pyrotechnic plugs:** Near the hinges of the bonnet. Disconnect them using the same method.

### Step 2: Unplug the Optic Stripe Sensor

The optic stripe sensor is located on the passenger side (left side for LHD) behind the bumper. To unplug it:

1. **Access the sensor** by removing the bumper or fender liner.
2. **Disconnect the sensor** by pressing the release tab and pulling the connector.

### Step 3: Unplug the FGN Sensor

The FGN sensor is located between the "kidneys" of the grille. To unplug it:

1. **For M-Paket bumpers:** Access the sensor from the top by unscrewing a few bolts.
2. **For standard bumpers:** Access the sensor from the bottom by removing the lower grille.

### Step 4: Remove 8TF from FA and Code ACSM with E-Sys

Now that the physical components are disconnected, you will need to remove 8TF from the FA and code the ACSM module:

1. **Connect your laptop** to the vehicle using the ENET cable and open **E-Sys**.
2. **Load the FA (Vehicle Order)** and make a backup.
3. **Remove the 8TF option** from the FA list.
4. **Code the ACSM module** to remove references to pedestrian safety.

### Step 5: Clear Errors Using ISTA+

After coding the ACSM, use ISTA+ to clear any remaining errors:

1. **Launch ISTA+** and connect to the vehicle.
2. **Run a full vehicle scan** to identify fault codes.
3. **Clear pedestrian safety errors** and ensure no faults remain.

### Final Checks

Before finishing the process, verify the following:

- All four pyrotechnic plugs are disconnected.
- The optic stripe sensor and FGN sensor are unplugged.
- The 8TF option is removed from the FA and the ACSM module is coded correctly.
- No error codes remain in ISTA+.

## Conclusion

By following this detailed guide, you have successfully removed the 8TF Pedestrian Safety system from your BMW, ensuring that the system is disabled. Be sure to consult a professional if you encounter any issues during the process.