OBD-SY3

Rear-view camera input compatible with Ford Sync3

Example Sync3

Delivery contents

OBD dongle

PNP adapter

Take down the serial number of the interface and store this manual for support purposes: _____

Legal Information

Changes/updates of the vehicle's software can cause malfunctions of the interface. We offer free software-updates for our interfaces for one year after purchase. To receive a free update, the interface must be sent in at own cost. Labour cost for and other expenses involved with the software-updates will not be refunded.

Check compatibility of vehicle and accessories

Compatibility

Brand	Compatible vehicles	Infotainment systems
Ford	**C-Max** since model year 2018 **Ecosport** since model year 2017 **Fiesta** since model year 2018 since 07/2017 **Focus** since model year 2017 **Galaxy** since model year 2016 **Kuga** since model year 2018 **Mondeo** since about 2017 **Mustang** since model year 2017 **Puma** **Ranger** since model year 2017 **S-Max** since model year 2016 **Tourneo Connect** **Tourneo Custom** **Transit** since model year 2017 **Transit Custom** since facelift 2018 and other vehicles with	Sync3 full version with APIM and with 7inch or 8inch tablet or non-table monitor – **Plug & Play installation**

Limitations

Video input signal	Only NTSC cameras compatible

Place of installation

The place of 54pin pnp adapter cable installation differs depending on the Sync3 version.

Sync3 full version as ALL-IN-ONE Head-Unit
Installation location is behind the head unit at the APIM module which is attached as a sandwich to the back of the monitor.

Sync3 full version with tablet monitor and separate APIM module
Installation location is at the APIM module which depending on the vehicle is located:

- behind the centre console e.g., Focus (climate panel must be removed)
- behind the glove box
- behind the Tacho unit (e.g., Puma, Ecosport)

Camera coding

1. Locate the OBD port and take away the cover
2. Turn the key to the ON position (do not start the engine) and turn off the head lights
3. Turn on the radio and wait until it is in its normal operation
4. Plug in the OBD dongle into the OBD port
5. Wait until you see a solid GREEN LED then remove the OBD dongle from the OBD port
6. Turn the key to the OFF position, remove key, open driver door then close it again.
7. Open the driver door, start the engine and put the gear in REVERSE. If a camera is connected, you will see the camera image on the monitor. If no camera is connected, within 20 seconds since putting the gear in reverse, the radio screen will switch to a blue screen with the message “Service Rear Vision System”. This means that the RVC was coded successfully.

To reverse the coding repeat steps 1.-7.

Notes:

- After disconnecting the factory 54pin factory harness, it may take up to 2 minutes for the radio to perform self-diagnostic and reboot.

- After the first use, the OBD dongle is personalized to this vehicle and can be used unlimited times to code or reverse coding on this vehicle.

LED information

LED	Status	Explication
Green	Lights	Coding procedure successfully completed
	Flashes	Coding process is running
Red	Lights	Remove coding procedure successfully completed
	Flashes	Coding process failed / license violation
Green + Red	Lights	CAN Communication Error! - Abort of the diagnostic session

Note: View of internal LED is possible through the small opening in housing of the OBD dongle

Attention: Only proceed with further installation steps after the following confirmation of successful coding has taken place.
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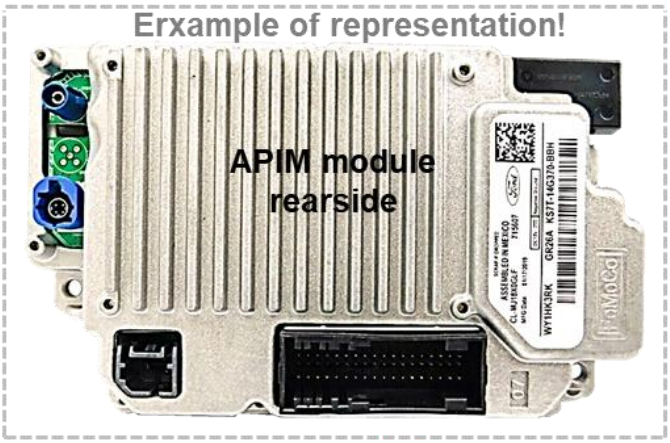
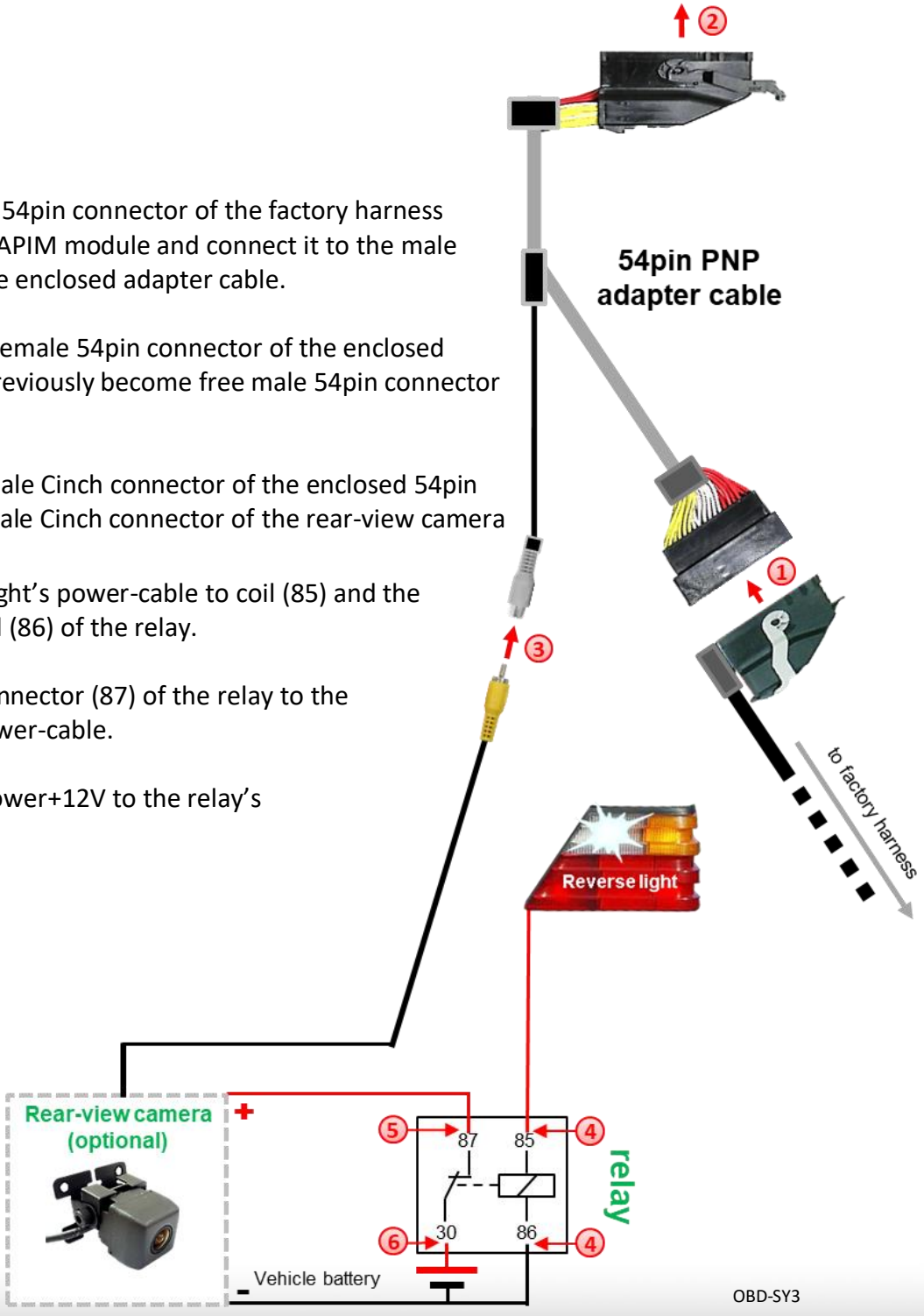
Engage reverse gear - a change of the factory image to blue-screen follows.
Disengage reverse gear - a change from the Bluescreen to factory screen follows (possibly in conjunction with a displayed message).

Connection of the 54pin PNP adapter cable



As the reverse gear light's power supply isn't Voltage stable all the time, an ordinary open relay (e.g AC-RW-1230 with wiring AC-RS5) or filter (e.g. AC-PNF-RVC) is required.
The diagram below shows the connection type of the relay.

1. Disconnect the female 54pin connector of the factory harness at the rear-side of the APIM module and connect it to the male 54-pin connector of the enclosed adapter cable.
2. Connect the opposite female 54pin connector of the enclosed adapter cable to the previously become free male 54pin connector of the Apim module.
3. Connect the white female Cinch connector of the enclosed 54pin adapter cable to the male Cinch connector of the rear-view camera
4. Connect the Reverse light's power-cable to coil (85) and the vehicle's ground to coil (86) of the relay.
5. Connect the output connector (87) of the relay to the rear-view camera's power-cable.
6. Connect permanent power+12V to the relay's input connector (30).



Technical support for business customers

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