

# NAV-TV

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## Ford-Memorizer

Drive Mode & AutoStart/Stop data retention for select Ford vehicles

*NTV-KIT876*

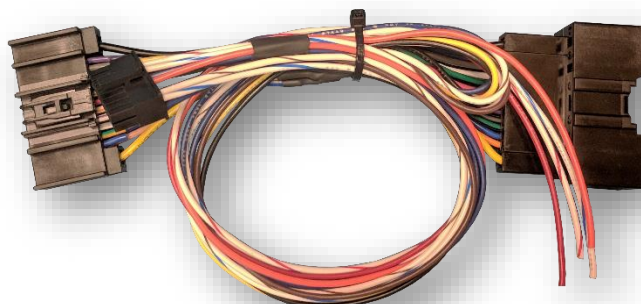


BHM  
07/23/18  
NTV-DOC321

## Overview

The Ford-Memorizer is a data-retention module that will retain the last known state of the Ford factory *Drive-Mode* setting and the *Auto Start/Stop* feature after cycling the ignition. This plug & play kit connects at the OBD (gateway module).

## Kit Content



Power/Data Harness  
NTV-HAR319



Ford-Memorizer  
NTV-ASY256



USB Cable (updates)  
NTV-CAB009

## Ford-Memorizer Pin out

Pin	Description	Color
1	Constant 12v (+)	Yellow
2	INPUT 1: --NOT USED--	Red
8	CAN HI (CAN0)	Blue/White
9	CAN HI (CAN1)	Brown/White
10	Ground (-)	Black
11	OUTPUT 1: ACC 12v (+)	White/Red
12	OUTPUT 2: Drive Mode Wire trigger	White/Blue
17	CAN LO (CAN0)	Blue
18	CAN LO (CAN1)	Brown



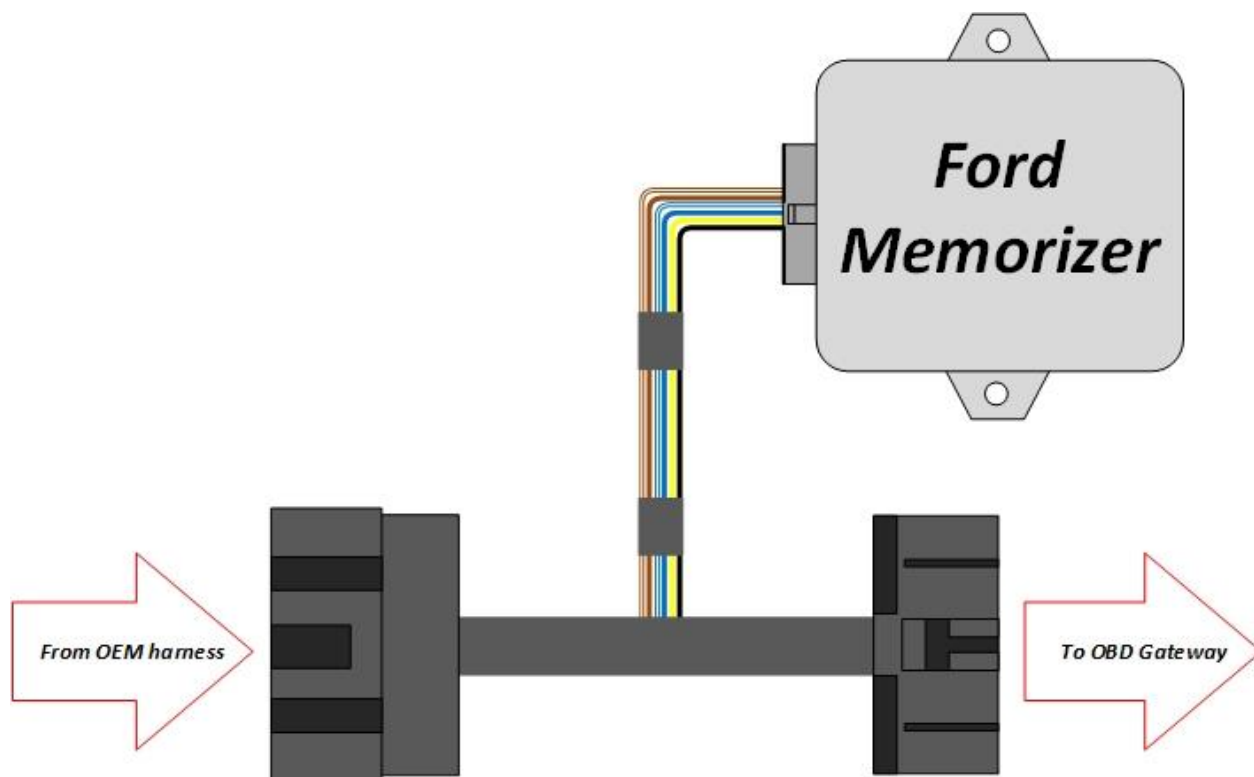
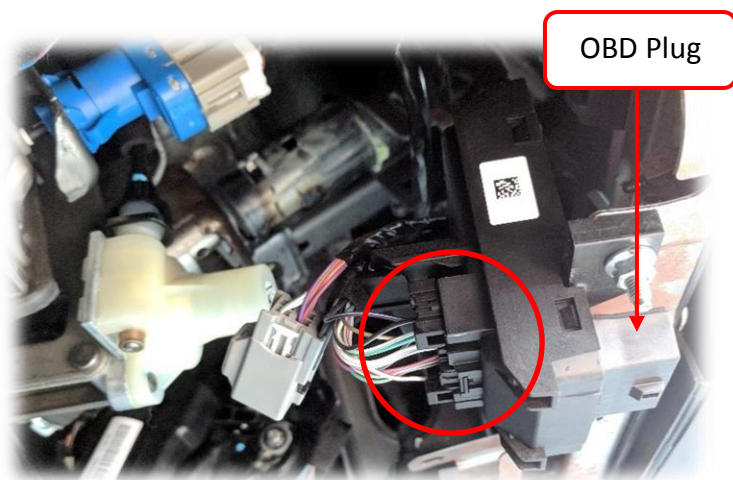
Wire Side

**NOTE:** This module will only work in one type of vehicle (relates to transmission type) at a time. Once installed, it will only work in that same type of vehicle additionally, when removed (CAN vs analog-controlled mode select).

## Ford-Memorizer Installation (Plug & Play): '18 vehicles

- *2018 vehicles do not require any additional wiring, just plug & play. Compatible 2016-17 vehicles require additional wiring, see next page.*

1. Connect the provided plug & play T-Harness in between the 24-PIN plug and the CAN Gateway (OBD module).
2. Connect the module to the 18-pin connector.
3. Secure the module using zip-ties under the dash so it will not impede normal driving operation.
4. Proceed to Operation (page 6).

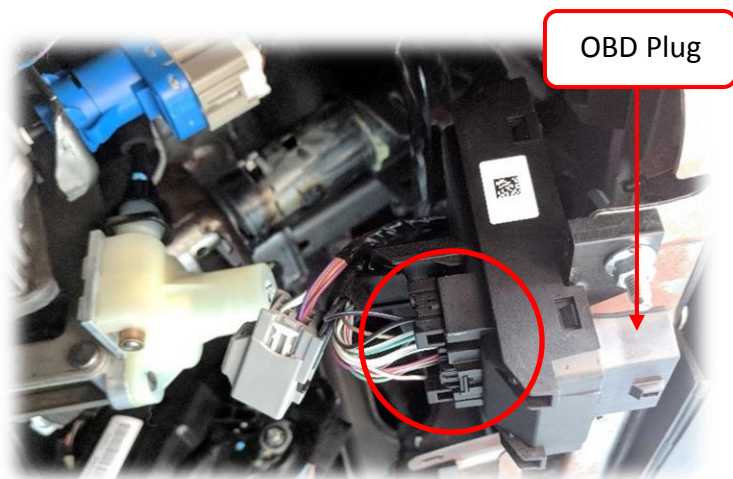




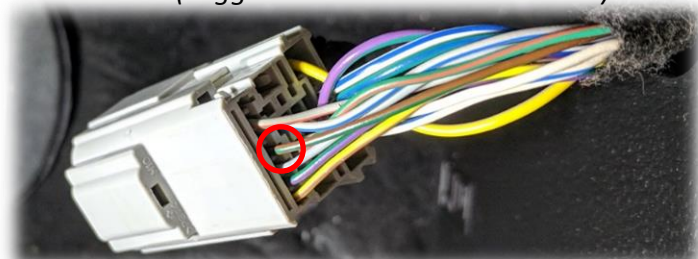
### Ford-Memorizer Installation (Plug & Play): '16 - '17 vehicles

• *This page is for compatible 2016-2017 vehicles, see previous page for 2018 vehicle instructions.*

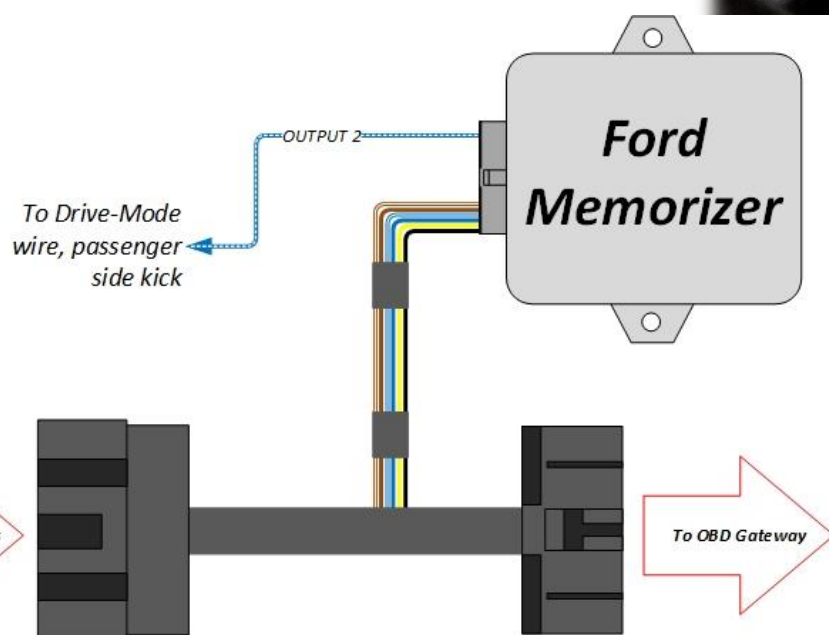
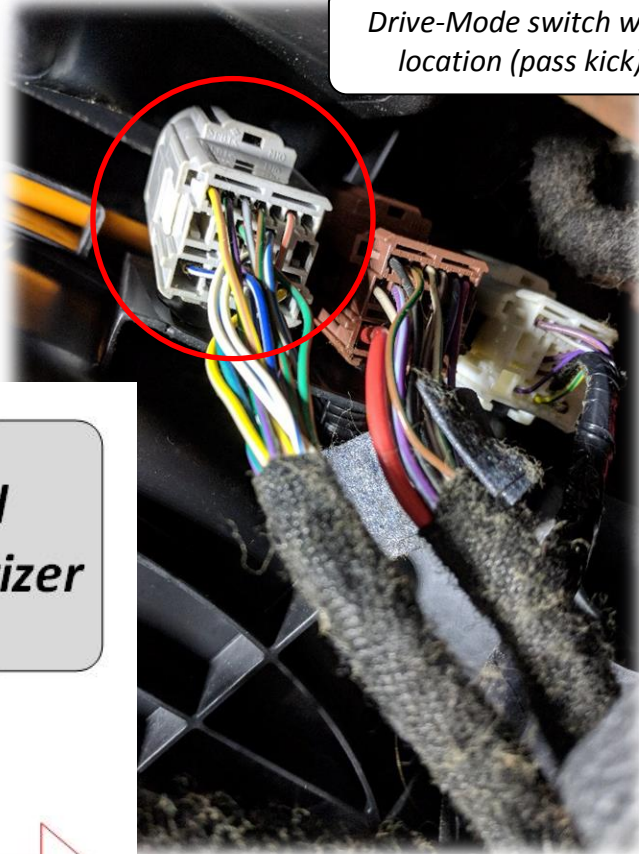
1. Connect the provided plug & play T-Harness in between the 24-PIN plug and the CAN Gateway (OBD module).
2. Extend *OUTPUT 2* with another wire to the passenger side kick panel. Splice (do not cut!) this wire to the *drive mode select* wire (see below picture for specific location).
3. Connect the module to the 18-pin connector.
4. Secure the module using zip-ties under the dash so it will not impede normal driving operation.
5. Proceed to Operation (page 6).



*Step 3: 21-PIN Gray Connector, Brown/Green wire (triggers with Drive-Mode switch)*



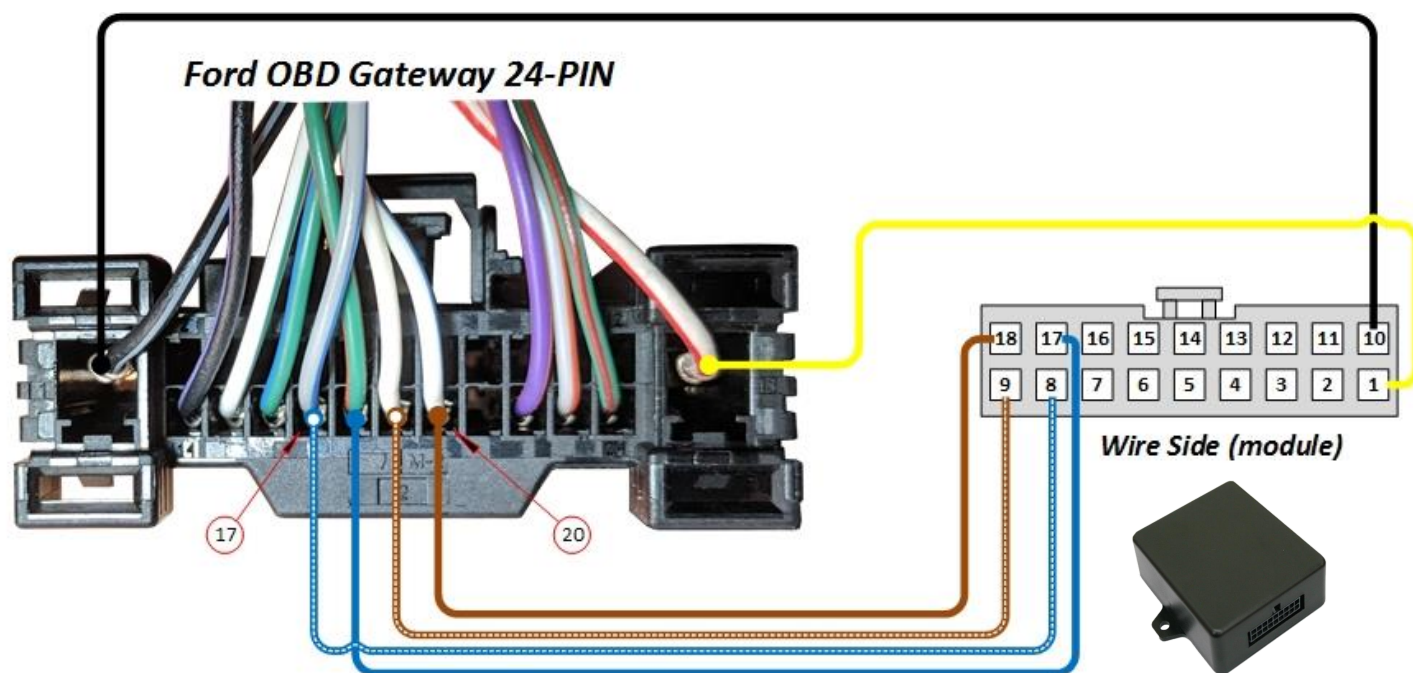
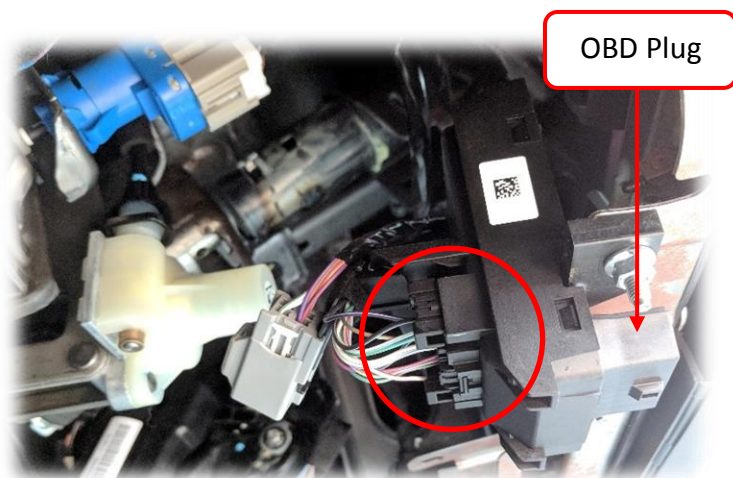
*Drive-Mode switch wire location (pass kick)*



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## Ford-Memorizer Installation (hard-wire version)

1. Connect power, ground and CAN wires (splice, do NOT cut) to the 24-pin plug behind (at) the OBD CAN-Gateway module as shown below. Reference the drawing and chart for specific connections.
2. Secure the module using zip-ties under the dash so it will not impede normal driving operation
3. Proceed to Operation (page 5)



## Ford-Memorizer Operation

- No user interaction is required.
- Once connected, the vehicle will no longer reset the **Drive mode** or **Auto Start/Stop** upon cycling the ignition. The module will retain the last known state before ignition was turned off.



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