

NAV-TV

INTERFACING THE FUTURE

3950 NW 120th Ave, Coral Springs, FL 33065 TEL 561-955-9770 FAX 561-955-9760

GM-K PRG

Dual Camera interface for '14-'16 Chevy Sonic/Spark/Trax

NTV-KIT626



BHM
08/19/16
NTV-DOC235

Overview

The GM-K PRG interfaces a reverse and front facing camera on 2015 Chevy Sonic, Spark & Trax vehicles equipped with the 7" color media screen. Forcing the rear camera to display at any time is activated with a wire trigger if desired.

Kit Content



Plug & Play T-Harness
NTV-HAR277



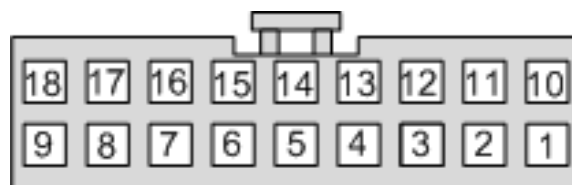
GM-K PRG Module
NTV-ASY161



USB Cable (updates)
NTV-CAB009

GM-K PRG Pinout

Pin #	Description	Color
1	12v Constant Power (+)	Yellow
2	Input 1 (Force Rear Cam)	Red
3	Input 2 (Force Front Cam)	Blue
4	Input 3 (Not Used)	Pink
5	--Not Used--	Gray
6	RCA Signal (+) (Radio Side)	Red
7	RCA Shield (common)	Gray
8	--Empty--	--
9	GM-LAN (Radio Side)	Green
10	Ground (-)	Black
11	Reverse 12v (+) OUT	White/Red
12	Output 1 (ACC 12v +)	White/Blue
13	--Not Used--	White/Purple
14	--Not Used--	White/Gray
15	RCA Signal (+) Input (front cam)	Yellow
16	RCA Signal (+) Input (rear cam)	Black
17	--Empty--	--
18	GM-LAN (Vehicle Side)	Purple



Wire Side

Dash Disassembly (Spark)

This disassembly is for the Spark, though the Sonic and Trax will be similar.

1. Using plastic tools, wedge and pry the radio surround forward, towards you. It is secured with clips only.

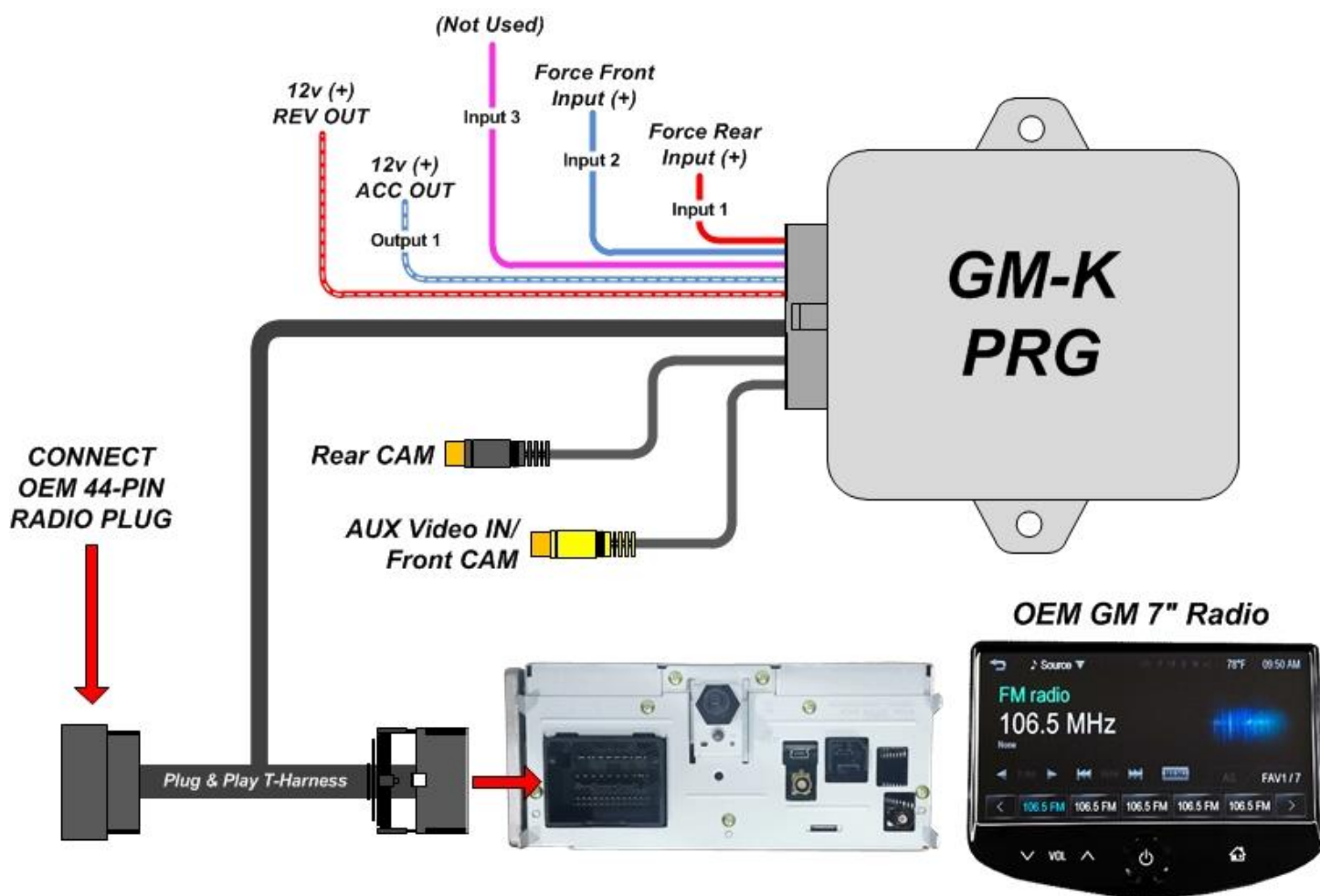
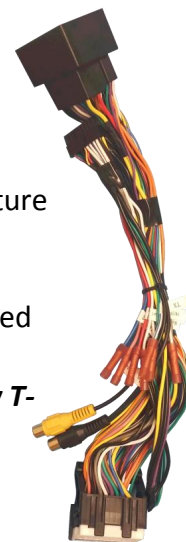


2. Remove (4x) 7mm bolts (or screws) securing the radio. Disconnect all harnesses and set the radio aside.



GM-K PRG installation

1. With the radio removed, connect the main factory 44-PIN radio plug into the female side of the provided **Plug & Play T-Harness**. Make certain the lock connects together securely.
2. Mount camera(s) and run signal and power into the dash opening. If using the forced feature for either video source, make sure it's powered with **ignition and not a reverse light**.
3. Connect the reverse camera signal to the RCA at the interface labeled 'REAR'.
4. **Optional:** connect the front camera or AUX video source to the RCA at the interface labeled 'FRONT'.
5. Connect the GM-K PRG Module to the 18-PIN connector among the provided **Plug & Play T-Harness**.
6. Connect the male side of the provided **Plug & Play T-Harness** to the radio. Reconnect all remaining plugs and place the radio back into the dashboard. Do not secure until fully tested.
7. Proceed to **GM-K PRG Programming & Operation** (Page 5).



Agreement: End user agrees to use this product in compliance with all State and Federal laws. NAV-TV Corp. would not be held liable for misuse of its product. If you do not agree, please discontinue use immediately and return product to place of purchase. This product is intended for off-road use and passenger entertainment only.

GM-K PRG Programming & Operation

1. Once everything is connected, start the vehicle with the key. The radio will show briefly and **then reboot once more. There are 2 reboots total.**
 - a. **While programming, you should see 'CodE 95' displayed on the cluster.**
2. Once the radio is booted and settled after the programming sequence is complete, place the vehicle in Reverse. Your connected camera image will appear on screen while in reverse.



Note: Once the transmission leaves Reverse gear, there will be a ~5 second delay on transitioning back to the radio screen. This is normal operation.

- Sending 12v to **INPUT 1 through a toggle** will force the rear camera on at any time, in any gear.
- Sending 12v to **INPUT 2 through a toggle** will force the front camera (or aux video) on at any time.
- If Front Camera is active and the vehicle is placed in reverse, the reverse image will show (priority). Once placed back into Drive or Park, the Front Camera will show again if still activated.

NOTE: if nothing happens (on screen) when transitioning in reverse, try again with a camera connected and powered on.

NAV-TV

INTERFACING THE FUTURE

