

NAV-TV

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MAS F-CAM

NTV-KIT489



Overview

The MAS F-CAM kit adds a front camera input to the factory media screen in '14-'15 Maserati GTs. Front camera activates automatically with the factory front sensors. ***This kit must be installed in conjunction with NTV-KIT423 (MAS-GT) for proper operation.***

Kit Contents



USB Cable (updates)
NTV-CAB009



MAS F-CAM
module
NTV-ASY171



Power Harness
NTV-HAR255

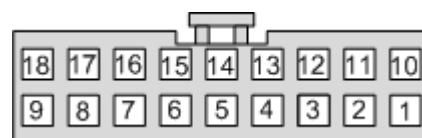
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MAS F-CAM pin out

Pin #	Description	Color
1	Constant 12v	Yellow
2	--not used--	Red
3	--not used--	Blue
4	--not used--	Pink
5	--not used--	Gray
6	Video (+) Video to Radio RCA	Yellow
7	Common RCA Shield (-)	Black
9	CAN HI	Light Blue
10	Ground (-)	Black
11	12v (@ 1 amp) ACC OUT	White/Red
12	Reverse OUT 12v	White/Blue
13	--not used--	White/Purple
14	--not used--	White/Brown
15	Video (+) Video IN RCA	White
16	Video (+) Backup CAM RCA	Red
18	CAN LO	Blue/Black



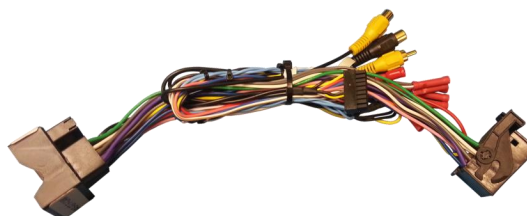
Wire side



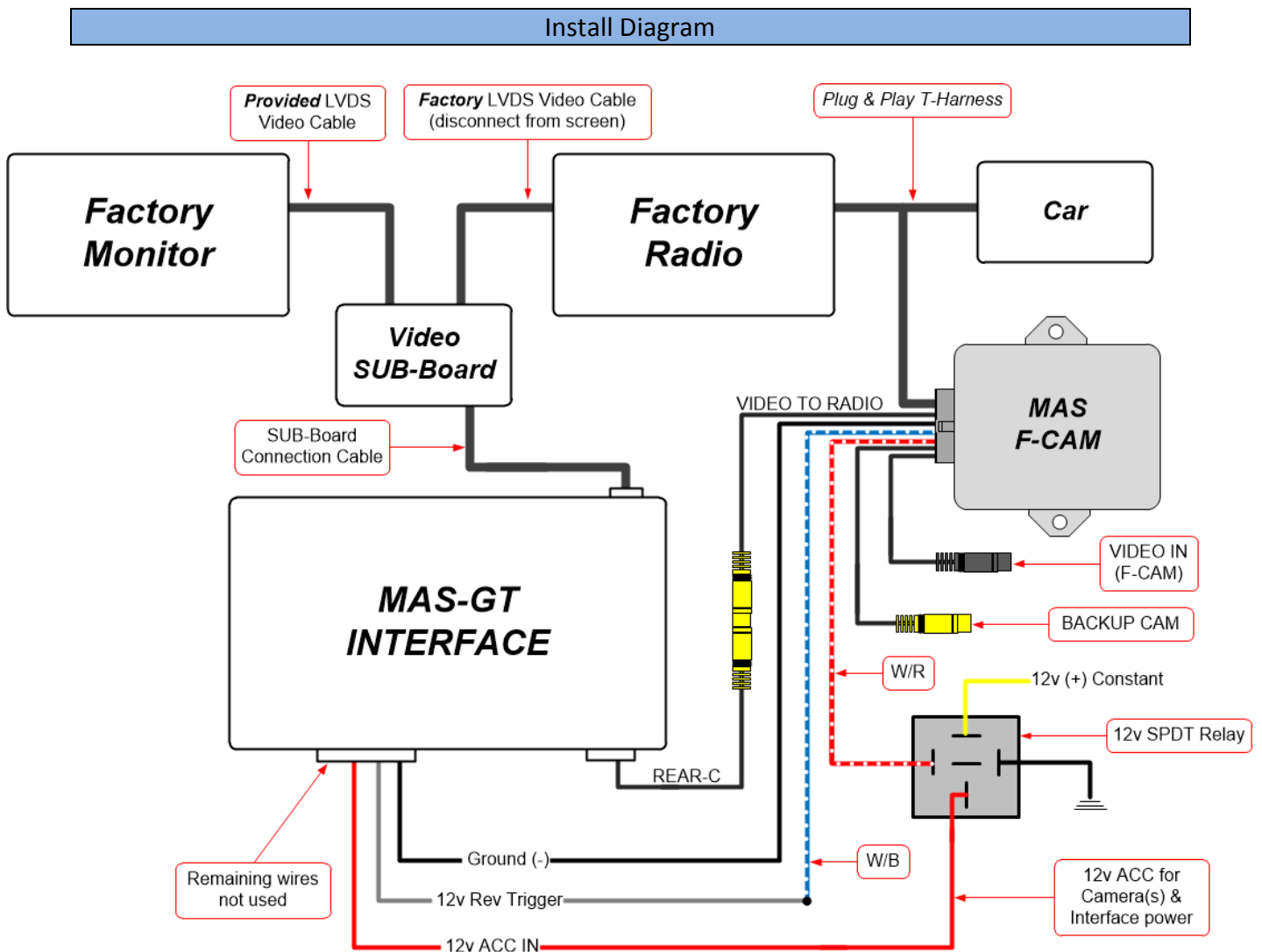
NOTE: Any additional wires not mentioned here are not used for this installation.

Installation

1. Begin by installing the **MAS-GT kit (NTV-KIT423)**, **except you do not run a reverse wire to connect to the GRAY wire on the interface. For this install, the gray reverse wire must be connected to pin 12 (White/Blue) from the F-CAM module!**
2. With the factory radio out of the dash and disconnected, connect the main radio plug to the female end of the provided **Power Harness**.
3. Connect the **White/Blue** wire from the F-CAM module to the **Gray** reverse trigger wire on the MAS-GT kit.
4. Connect the **White/Red** wire to a 12v relay trigger (85/86) for camera turn-on (see diagram).



5. Connect your **rear camera** signal to the RCA on the F-CAM harness labeled '**BACKUP CAM**'
6. Connect your **front camera** signal to the RCA on the F-CAM harness labeled '**VIDEO IN**'.
7. Connect the male RCA on the F-CAM harness labeled '**VIDEO TO RADIO**' to the '**REAR-C**' RCA on the **MAS-GT** kit.
8. Power both of your cameras and the MAS-GT with a 12v relay (triggered from the White/Red ACC OUT wire, see diagram below).
9. Once all connections are made, connect the male end of the provided **Power Harness** to the radio. Test for proper operation.



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MAS F-CAM Operation

- When connected properly, reverse camera will activate automatically while in reverse.
- Front camera will display on screen whenever the factory **front sensors are active and sense an object/obstruction**. **NOTE: Front sensors must be switched on manually via the factory button (left of the steering wheel), or the vehicle must first be placed into reverse (then back to drive) for sensors to activate. This is a factory limitation.**



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