

FUSION HD Installation Guide





1. FUSION HD System
2. Universal Mounting Bracket
 - Headliner Plate
 - Compression Plate
 - Knob
 - RAM Ball Mount
3. Mounting Screws
 - (2) 10-32 x 3/8" Philips Screws
 - (4) 10-16 x 1.25" Self Tapping Screws
4. Express Installation Cable
5. Advanced Installation Breakout Cable
6. Power/Ignition Cable
7. In-line Fuses for Battery Power and Light Bar
8. Storage Removal Key
9. 64GB Secure Flash Storage
10. FUSION Audio Antenna
11. Covert In-Car Microphone
12. Rear Camera w/ Screws (optional)

Required Installation Tools



1. Fuse Tap
2. Zip Ties
3. Pry Tool or Panel Remover
4. Cordless Drill
5. Wire Loom
6. Wire Cutters
7. Wire Strippers
8. Wire Crimpers
9. Socket and Ratchet Set
10. Electrical Tape
11. Scissors

STEP 1



Attach the RAM mount to the FUSION unit using the provided Phillips screws.

STEP 2



Unhook the visor and move it to the side. Mount the headliner plate by sliding the plate over the visor clip. Secure the plate with the four provided self-tapping screws. The mount should be facing the front windshield.

STEP 3



Place the FUSION RAM mount into the compression plate on the bracket. Ensure the compression plate (facing the front of the vehicle) is secured into the designated cutouts. Tighten by turning the knob clockwise until the system is secure.

EXPRESS INSTALL

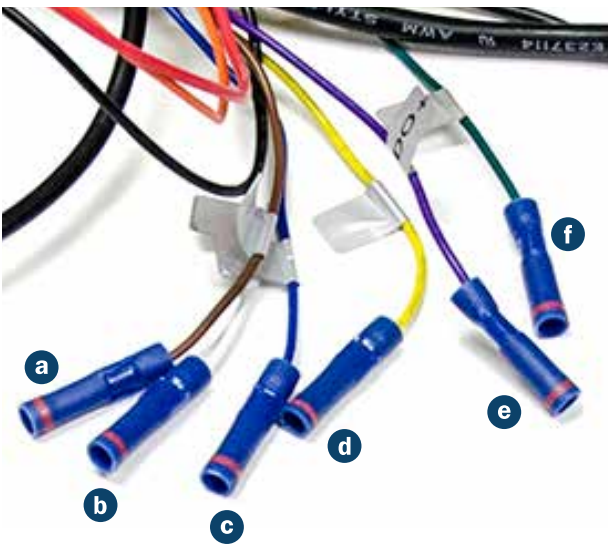
STEP 4



Connect the FUSION cable to the 12V cigarette lighter adapter, and route it to an available socket in your vehicle.

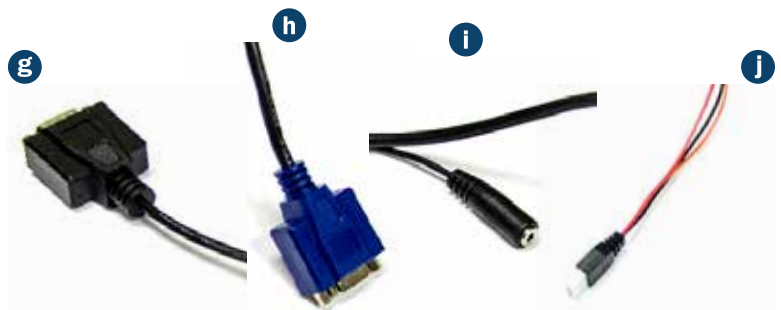
To hide the quick install cable, continue to Step 5.

ADVANCED INSTALL



The FUSION system has several advanced installation options depending on the department's trigger and power source needs. **Fuse tap and wire not included for these options.**

The included breakout cable allows for the following connections:



Wires -

- a - Brown: DO-
- b - White: Brake
- c - Blue: DI1
- d - Yellow: Light bar
- e - Purple: DO+
- f - Green: DI2

- g - Black RS232 Serial Port for Integration
- h- Rear Camera
- i - 3.5 mm In-Car Microphone
- j - Ignition/Ground/Power

STEP 5



To attach the advance install breakout cable, remove the vehicle's A-Pillar using the tools for your vehicle.

STEP 6



Run the FUSION cable along the windshield to the passenger's side.

Connect the cable to the provided breakout cable.



CAUTION: Be sure to tuck the cables out of the way of the side curtain airbag when concealing them in the headliner.

Note: Not all of the connections on the breakout cable will be used in your installation. Follow the installation steps for the individual connections you are installing, and proceed to Final Step.



Power & Ignition

To hardwire the FUSION to a constant power supply, locate the power/ignition cable provided.

Red= 12V

Black= Ground

Orange= Ignition



STEP 7a

Attach the white clip on the power/ignition cable to the corresponding clip on the breakout cable.

Note: Make any other necessary connections to the breakout cable, for additional installation options.

If no other connections are needed, tuck the cables out of the way of the side curtain airbag, resecure the A-pillar and weather stripping.

STEP 7b

Pull the wires from the installation cable through the vehicles firewall to the engine compartment. Route the red and black wires to the battery, and the orange wire to the ignition.

Note: The specifics of getting the cables from the cabin to the fuse box will vary from vehicle to vehicle.

STEP 7c

Secure the designated in-line fuse to the red battery wire on the power/ignition cable.

Note: Remove the fuse from the fuse holder before connecting the line to the battery.

STEP 7d

Secure a ring terminal to the black ground wire, before connecting it to the negative (-) end of the battery. After the ground is in place, connect the power wire's fuse end to the positive (+) on the battery. Replace any removed fuse to fuse holder.



STEP 7e

Return the battery cover and ensure the wires are safely tucked away.

CAUTION: Never start the vehicle with any fuses removed.

STEP 7f

Find a 12V ignition sense for the FUSION breakout cable orange ignition line. Use an in-line fuse or fuse tap to connect to the ignition sense.



Note: The sample installation is pictured in a Chevrolet Tahoe. Installation will vary from vehicle to vehicle.

Light Bar

The FUSION breakout cable includes the option to connect the system to a light bar for triggered recording. Depending on the brand and specifications of your vehicle's light bar, the installation process will vary. Consult your light bar manual for instructions on tapping into your current setup.



Rear Camera Installation

To install an additional rear camera, complete steps 1-6 before going on to Step 8a.



STEP 8a

Using the provided self-tapping screw, secure the wide-angle camera mount on the vehicle's backseat partition. Be sure the mount is positioned near the top of the partition.



STEP 8b

Slide the camera into the mount, ensuring it is positioned with the cable extending to the passenger's side of the vehicle.



STEP 8c

Aim the camera down toward the seat belt, and line up the screw holes on the mount and the camera.

STEP 8d

Tuck the cable along the top of the partition, securing with zip ties if necessary to ensure the cable doesn't fall into the detainee compartment.



STEP 8e

Attach the rear camera pin connector to the main FUSION breakout cable at the passenger's side door.



Microphone

Connect the covert microphone connections to the breakout cable, dress the cables as needed and tuck them securely in the headliner. Return and secure the A-pillar.



Final Step

Once all of the necessary connections have been made to the breakout cable, dress the cables as needed and tuck them securely in the headliner. Return and secure the A-pillar.

COBAN Technologies

11375 W. Sam Houston Parkway S. # 800
Houston, TX 77031

Phone

1 (866) 81-COBAN
1 (866) 812-6226
1 (281) 925-0488

