Universal Accessory Camera With Multi-mounts

Visit iBEAMUSA.com for more detailed informatuon about the product and up-to-date vehicle specific applications.

Product Features

- Multiple mounts included - behind plate, surface and flush mount
- Improved power circuit
- Can be viewed while drive with compartible monitor
- Water resistant - IP67
- 3 year warranty

TABLE OF CONTENTS

Part Components

- Camera
- License plate, surface and flush mounts
- Extension harness (27 FT)
- Hole saw (18.5mm) and screws

TOOLS REQUIRED

- Wire stripper
- Tape
- Digital Multi-meter
- Cutter

***Attention!** When testing the aftermarket equipment, ensure that all factory equipment is connected before cycling the key to ignition.*

Multi-Mounting Options

A) License plate mount B) Butterfly surface mount C) Flush mount

A

B

C

CAMERA WIRING

Camera Wiring

There are two options for powering up the camera.This camera can be powered to be available while the vehicle is running or to only be used as a back-up camera.

Powered by reverse camera

1. Remove the tail light from the vehicle to allow access to the light bulbs wiring. (If help is needed, review the vehicles owners manual section on replacing the tail light bulbs.) (Figure A)
2. Find the wiring that connects to the reverse bulb. There is normally 2 wires. (Figure B) Strip the insulation to expose the copper wire.
3. Using a Digital Multi-meter on the DC Voltage setting, to verify the reverse wire. (Figure C)
4. Connect the **RED** wire to the reverse wire. Connect the **BLACK** wire to a chassis ground.

Powered by accessory Camera

1. Find a reilable 12 volt accessory source in the vehicle. This can be found at the radio if it is being replaced with an aftermarket radio.
2. Using a Digital Multi-meter on the DC Voltage setting, to verify the accessory wire. (Figure C)
3. Connect the **RED** wire to the reverse wire. Connect the **BLACK** wire to a chassis ground.

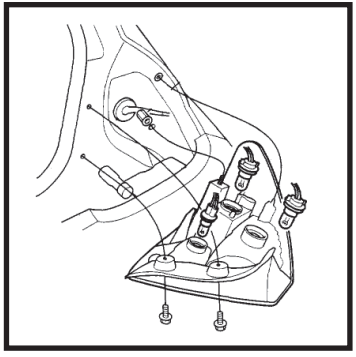

Figure A

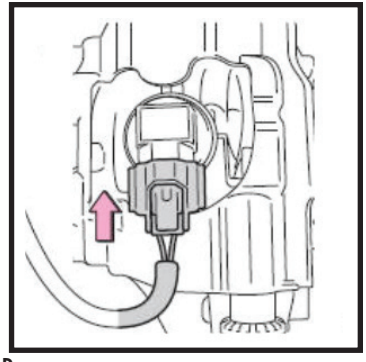

Figure B

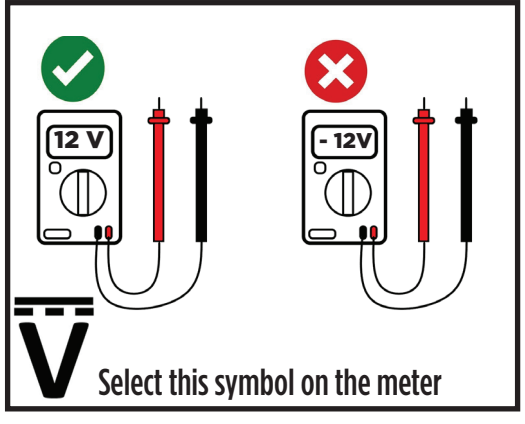

Figure C

CAMERA WIRING (CONT.)

1. Run the extension cable to the front of the vehicle. **(Figure A)**
2. The **RED** wire on the **YELLOW RCA** can be used in different ways. This wire is the same **RED** wire that is at the other end of the extension cable. (Figure B.1)
    - If connected to **REVERSE** in the rear, the **RED** wire at the **YELLOW RCA** can be used as a reverse trigger for a monitor, mirror or aftermarket radio.
    - If connected to 12 volt accessory in the rear, please cap off this wire on the **YELLOW RCA**.
    - If a REVERSE or 12 volt accessory could not be found in the rear of the vehicle, this wire can be used to power the camera. If this solution is used, cap off the **RED** wire in the rear.
3. Connect the **YELLOW RCA** to the backup camera or video input of the monitor
4. There are two colored loops on the camera wire that control on/off functions.
    - **White wire** = parking lines
    - **Blue wire** = mirror image
    - **Green loop uncut** = CVBS (default)
    - **Green loop cut** = AHD

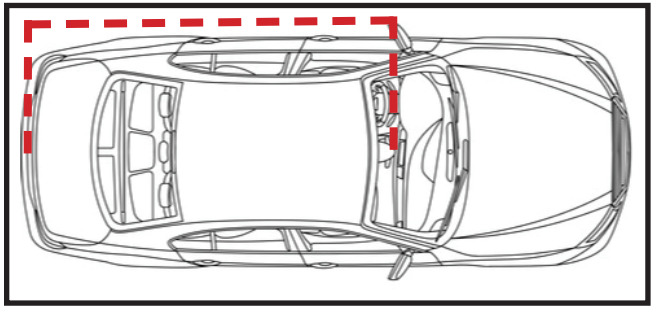

Figure A

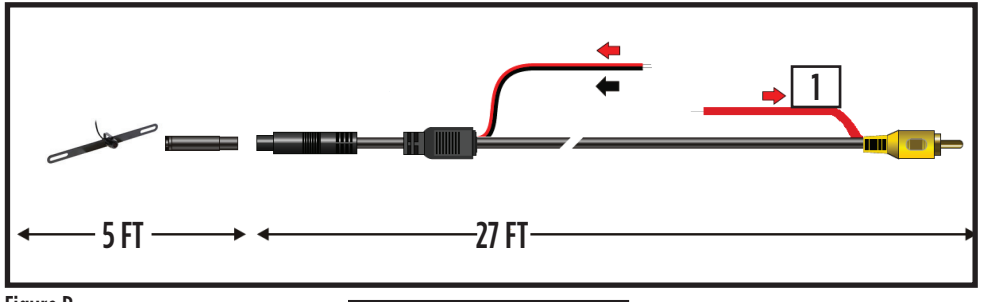

Figure B

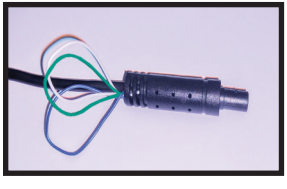

Figure C

Sensor	1/3" CMOS
Effective Pixel	1280 X 720
Pixel Size	3.75 umx 3.75 um
Resolution/TV Lines	640 (CVBS); 1280 (AHD)
Video Out 1MP	720P@60fps
Current Consumption	≤120mAH
Power Supply	9-16DC
Operating Temp.	-20° to 70° C
Storage Temp.	-30° to 85° C
Viewing Angle (Dia.)	150° (CVBS); 152° (AHD)
Water Resistance	IP67
Min. Illumination	0.1 LUX

Having difficulties? We're here to help.

Contact our Tech Support line at:
386-257-1187

Or via email at:
techsupport@metra-autosound.com

Tech Support Hours (Eastern Standard Time)

Monday - Friday: 9:00 AM - 7:00 PM
Saturday: 10:00 AM - 5:00 PM
Sunday: 10:00 AM - 4:00 PM

Metra recommends MECP certified technicians