

**Q-355**



## **SVE BULLETIN**

**SPECIAL VEHICLE ENGINEERING – BODY BUILDERS ADVISORY SERVICE**

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### **MEDIUM DUTY F-650/750 BACK UP CAMERA**

REVISION	UPDATE	REVISION DATE
Q-355	INITIAL RELEASE	15 / NOVEMBER / 2022

#### **MODEL(S) AFFECTED:**

2024 MY & Later Medium Duty F-650/750 Ordered With Back Up Camera Option

#### **ISSUE / DESCRIPTION:**

To provide clarification on available back up camera options available for Medium Duty F-650/750, larger screen size and smaller camera. Camera mounting is different from previous design.

The customer has the option of an aftermarket solution or the Ford option of ordering Back Up Camera Option. Back up camera includes Large Rear View Video display that utilizes most of the mirror area. If back up camera is not ordered with the vehicle, it cannot be retrofit later.

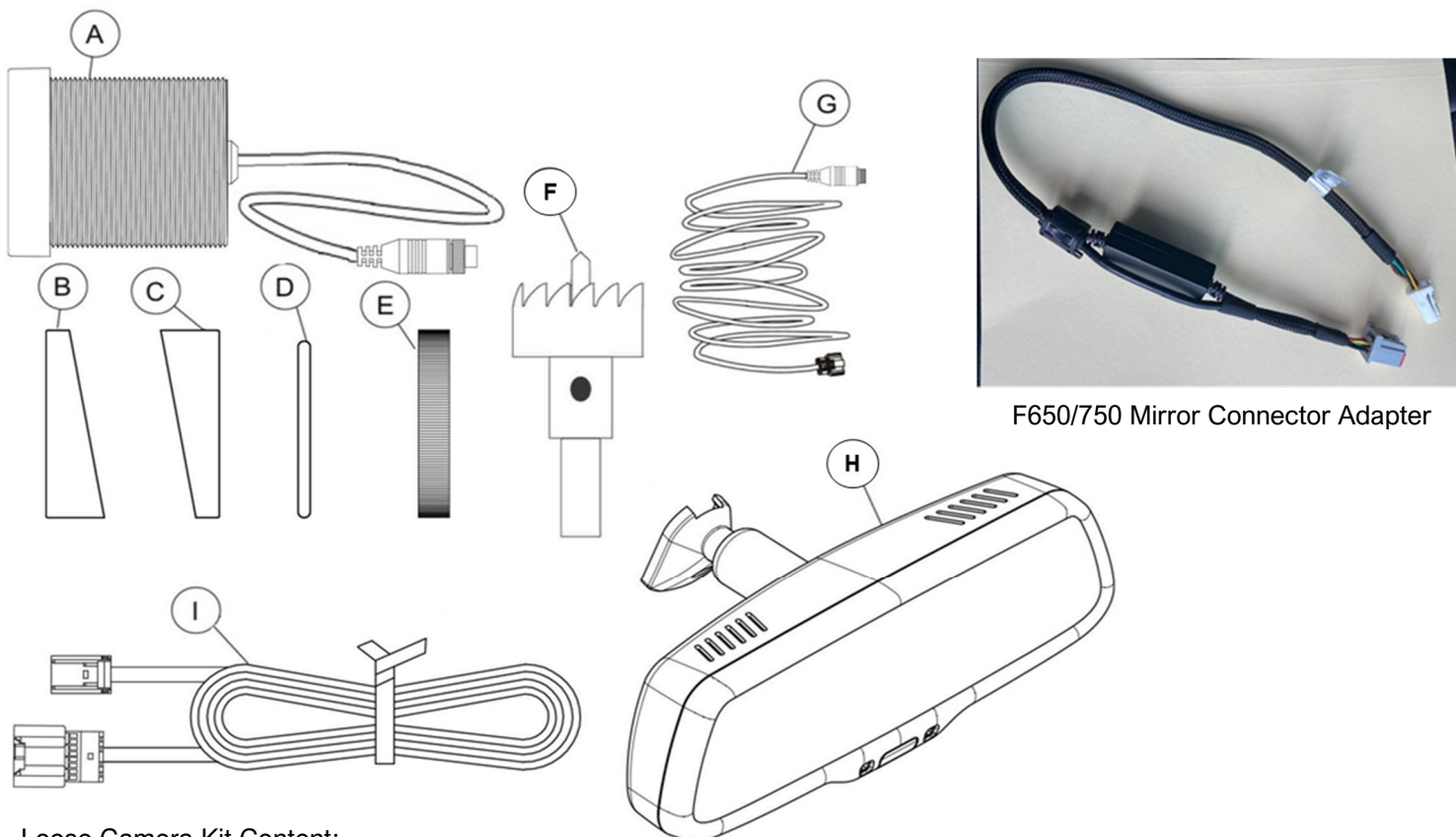
*Note: All Medium Duty F-650/750 vehicles are over 10,000 lb. GVWR; therefore, the new back up camera requirements of FMVSS 111 do not apply. (Reference the Medium Duty Incomplete Vehicle Manual for further compliance guidance.)*

## INSTALLATION

### OVERVIEW OF CAMERA KIT:

The rear-view camera and wiring kit with installation instructions provide opportunity for easy installation by the upfitter to support Medium Duty F-650/750 vehicles.

### BOX CONTENTS:

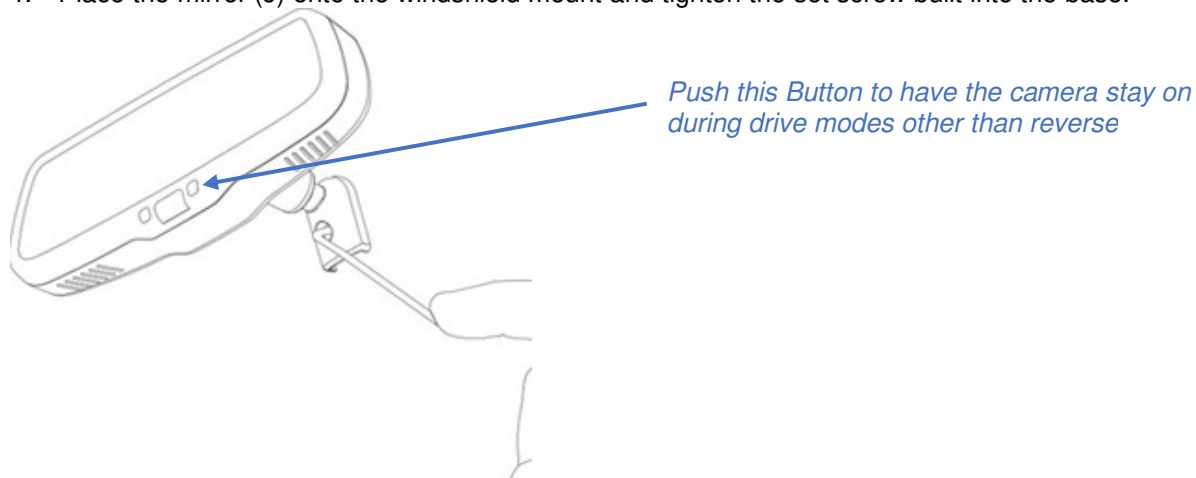


F650/750 Mirror Connector Adapter

### Loose Camera Kit Content:

ITEM	QUANTITY	DESCRIPTION
A	1	Rear view camera
B	1	Angled spacer 1
C	1	Wedge spacer 2
D	1	O Ring Gasket
E	1	Locking Nut
F	1	Hole Saw
G	1	Rear Jumper Harness
H	1	Rear View Mirror
I	1	Mirror Power Harness

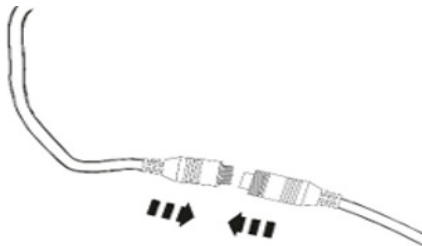
1. Place the mirror (J) onto the windshield mount and tighten the set screw built into the base.



2. Connect the Mirror Power Harness (I) to the Mirror (H) in the back of the mirror and then to the Display/ Mirror Connector located behind the headliner as shown in the picture below.

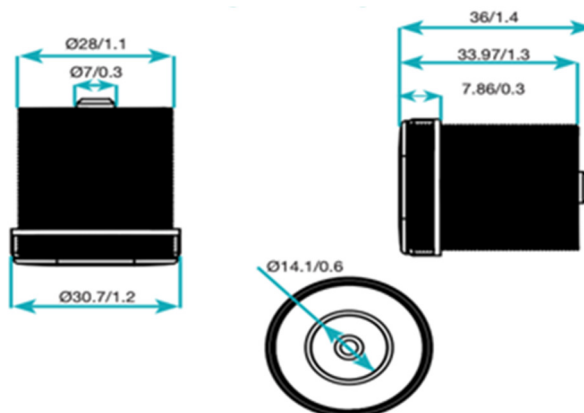


3. Find a suitable location to mount the rear-view camera onto the vehicle
4. Once the mounting location has been identified, the camera should be mounted into a flat panel or housing to achieve a solid mounting surface
5. Use the Hole Saw (F) to drill a hole on this surface
6. Use the Angled Spacer (B) and / or Wedge Spacer (C) to get the desired angle for the camera to get the optimum rear coverage.
7. Slide the Rear-View Camera housing through the drilled hole.
8. Secure the camera in location by using the O Ring Gasket (D) and Locking Nut (E).
9. Connect the rear jumper harness to the rear-view camera located at end of frame and to the camera pigtail connector.



10. Fasten wire harness within 100 mm (3.937 in) of the camera.
  - While securing the wire harness do not make any sharp bends (90 degree), in the harness that may compromise the wire integrity.
  - Do not secure the wire harness near sharp edges or moving components that may damage the wire harness.
  - Bundle and secure any excess wire with tie straps (not provided).
11. Check Camera Operation After Installation - Once installation of the camera is complete verify that the camera view is acceptable

#### REFERENCE CAMERA DIMENSIONS (mm/in.)



Refer to the Body Builder Layout Book for additional guidelines and recommendations. If you have any questions, please contact the [Ford Body Builders Advisory Service](#) as shown in the header of this bulletin.