

**SummitView Winch Mount Front Camera (SHORT)
(Kit # 9002-8850)**

THERE ARE 2 DIFFERENT HEIGHT BRACKETS.
MAKE SURE THAT THIS IS THE CORRECT ONE FOR YOUR FAIRLEAD!

Please read thoroughly before starting installation and check that kit contents are complete.

Items Included in the Kit:

Underhood power/video harness
Winch mount with attached camera
1 Bottle of Z-tech
These instructions

Tools & Supplies Needed:

Wire cutters
Wire strippers
Socket set
Metric Allen wrenches
Zip ties
Digital Multimeter/Computer safe test light
Electrical tape



Safety Precautions:

- Work in well ventilated area that is clear of obstructions.
- Secure vehicle with tire chucks in both front and rear of tires.
- Turn vehicle accessories OFF and ensure ignition key is in OFF position.
- Wear safety goggles and snug fitting clothes.
- Use tools only for their intended purpose and which are in good repair.
- Only perform this task if confidence, skill, and physical ability permit.

NOTE: We strive to provide accurate and up-to-date installation instructions. For the latest full color instructions, as well as an installation video, please visit www.brandmotion.com

Mounting camera ABOVE the fairlead:

1. Remove the fairlead from your front winch assembly and/or bumper.
2. Position the front camera bracket so that its mounting holes line up with the mounting holes on your fairlead. With the camera over the top of the fairlead.
3. Before the bolts go back into the fairlead and camera mounting plate, apply Z-tech to the bolts holes and anywhere on the back or side if any adjustments get made. (Later in install instructions.)
4. Reattach the fairlead and front camera bracket to your front winch assembly and/or bumper with the camera on top of fairlead.
5. Plug in the water proof camera connector into the power harness. Make sure the connector is going the proper way and that it plugs in all the way.
6. Route the harness away from any moving parts so the harness will not get cut. Enter the underhood area and secure to the harness running along the driver's side fender with zip ties.
7. Route the camera harness into the vehicle's interior through the factory grommet in the firewall on the driver's side.
8. Route the harness to the location of where the display will be.
9. Connect the RED wire to 12 accessory power. Make sure to use a Digital MultiMeter to test for power.
10. Connect the BLACK wire to a good clean ground.
11. Plug the RCA end to the video display.

Mounting camera BELOW the fairlead:

1. Lay camera face down on a bench or table with something to protect the camera face. Remove the (4) 3mm Allen bolts on the side of the camera mount.
2. Pull the bracket off the mount and rotate 180° and insert the Allen bolts back in, do not tighten all the way until installed and adjusted.
3. On the inside on the camera mount, loosen the (2) 2.5mm Allen screws to turn the front camera 180°. (There is a sticker inside the camera housing, on top of the camera. The sticker marks the top/up side of the camera.)



4. Tighten the (2) Allen screws back tight. Apply Z-tech to the back of the camera where the Allen screws are and on the insides on the camera housing.
5. Remove the fairlead from your front winch assembly and/or bumper.
6. Position the front camera bracket so that its mounting holes line up with the mounting holes on your fairlead with the camera over the top of the fairlead.
7. Before the bolts go back into the fairlead and camera mounting plate, apply Z-tech to the bolts holes and anywhere on the back or side if any adjustments get made. (Later in install instructions.)
8. Reattach the fairlead and front camera bracket to your front winch assembly and/or bumper with the camera on top of fairlead.
9. Plug in the water proof camera connector into the power harness. Make sure the connector is going the proper way and that it plugs in all the way.

INSTALLATION INSTRUCTIONS

10. Route the harness away from any moving parts so the harness will not get cut. Enter the underhood area and secure to the harness running along the driver's side fender with zip ties.
11. Route the camera harness into the vehicle's interior through the factory grommet in the firewall on the driver's side.
12. Route the harness to the location of where the display will be.
13. Connect the RED wire to 12 accessory power. Make sure to use a Digital MultiMeter to test for power.
14. Connect the BLACK wire to a good clean ground.
15. Plug the RCA end to the video display.

CAMERA ADJUSTMENT:

1. To adjust the camera angle up and down, loosen the (4) 3mm Allen bolts on the side of the camera mount to the bracket.
2. There is 40° of angle up and down.
3. As the camera angle changes, check the display to see if is the correct viewing area.
4. Adjust the angle up or down and retighten the (4) Allen bolts.

5.

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