

INSTALLATION INSTRUCTIONS

Rear Vision System – Aftermarket Display 2004-Current Ford F-150 and 2008-Current Ford Super Duty (Kit part numbers 1008-6501 and 1008-6502)

Kit Contents:

- RVS Chassis Harness with RCA
- Tailgate Handle with camera
- 1 bag containing:
 - 25 Short Wire Ties
 - ZTech (in a white bottle)
- 1 bag containing:
 - 2 Templates (along with directions for these instructions)

Tools Required:

- T30 Torx Driver
- 10mm Socket
- Flat Head Screwdriver
- Plastic Trim tool
- Drill Bit
- 1 inch and 1 3/16 inch Center Hole Saws or Sheet Metal Cutters
- Deburring Tool
- Small brush

INSTALLATION INSTRUCTIONS

1. Remove driver's side sill plate with a trim tool. (Figure 1)

Figure 1



2. Loosen driver's side A pillar lower molding with hands and then remove driver's side lower kick panel with hands so that the two clips are disengaged from the sheet metal (Figure 2).

Figure 2



3. Pull back carpet in front of driver's seat. (Figure 3)
4. If area underneath carpet looks like figure 7 place template number 1008-9100-01 (Super Duty) over opening in front of driver's seat. (Figure 3)
5. If area underneath carpet looks like figure 4 place template number 1008-9100-02 (F-150) over hole covered in tape in front of driver's seat. (Figure 5)

Figure 3



Figure 4



Figure 5



6. Drill a pilot hole. Then use a hole cutter to drill a 1 inch hole. (Figure 6)
7. Clean the rough edges with a deburring tool. (Figure 6)

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Figure 6



8. Apply Z-tech with a small brush. (Figure 7)

Figure 7



9. Route grommet end of chassis harness through drilled hole. (Figure 8)

Figure 8



10. Seat grommet onto drilled hole. (Figure 9)

Figure 9



11. Route chassis harness as shown. (Figure 10)

Figure 10



12. If needed, install aftermarket display/Navigation display as per instructions.

13. Connect the male RCA from the chassis harness to the camera IN on the aftermarket display/Navigation display.

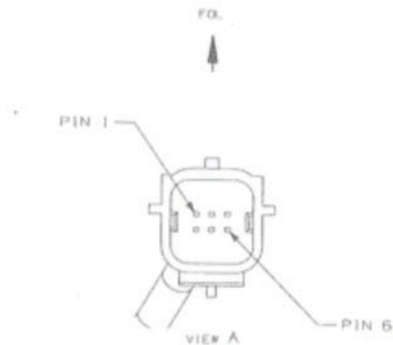
14. Connect the remainder of the leads from the chassis harness as per Chart A on vehicle wiring.

Chart A

Color	Polarity	Purpose	Connect to
Green	+	Reverse	Reverse lamp trigger
Pink	+	Ignition	Ignition Controlled power
Black	-	Ground	Chassis
White	-	Shield	Chassis
RCA	AC	Video Out	Monitor

INSTALLATION INSTRUCTIONS

CHART B (REFERENCE ONLY) Camera and Chassis Harness Pinout



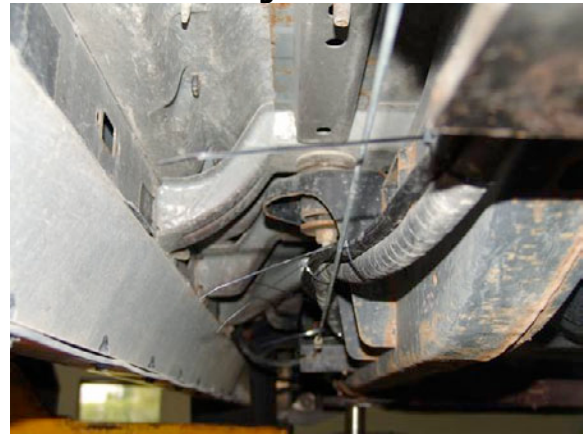
PIN NO	NAME	CAMERA HARNES COLOR	CHASSIS HARNES COLOR
1	Video Signal	Yellow	Gray/Dark Blue
2	Shield	White	White
3	Backup Lamp	Blue	Green
4	Video Ground	Brown	Gray/Orange
5	Power Ground	Black	Black
6	Ignition	Red	Pink

15. Route Chassis harness to Left kick panel area.
16. Reinstall driver's side kick panel with hands.
17. Reinstall driver's sill panel with hands.
18. Route chassis harness along existing vehicle chassis harness and over fuel tank and wire tie every two inches. (Figures 13 and 14)

Figure 13



Figure 14



19. Loop any excess length and wire tie to vehicle's chassis harness as shown. (Figure 15)

Figure 15



20. Lower tailgate and take off upper sheet metal cover by removing eight screws with a T30 torx driver. (Figure 16)

Figure 16



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21. Take off tailgate handle by removing two nuts with a 10mm socket. (Figure 17)

Figure 17



22. Remove tailgate straps from pickup box with a screwdriver. (Figure 18)

Figure 18



23. Take off tailgate by lifting away from lower tension pins. Place tailgate on a clean flat surface. (Figure 19)

Figure 19



24. Take off lock cylinder from tailgate handle, which was removed from the vehicle, by pulling out spring clip. (Figure 20)

Figure 20



25. Install lock cylinder into supplied tailgate handle with camera by pushing in cylinder to handle.
26. Route camera harness through handle opening in tailgate to the hole in the bottom of the tailgate. (Figure 21)

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Figure 21



27. Install supplied tailgate handle with camera into tailgate by tightening two nuts with 10mm socket. (Figure 22)

Figure 22



28. Reinstall tailgate upper sheet metal with eight screws using a T30 torx driver. (Figure 23)

Figure 23



INSTALLATION INSTRUCTIONS

Follow the steps on this page if your vehicle does not have a hole in the tailgate per figure 24

Figure 24



29. Make a temporary mark on the tailgate bed that is 21 inches from the left side and 1 ¼ inches from the top as shown in figures 25 and 26.

Figure 25



Figure 26



30. Drill a pilot hole. Then use a hole cutter to drill a 1 3/16 inch hole. (Figure 27)

Figure 27



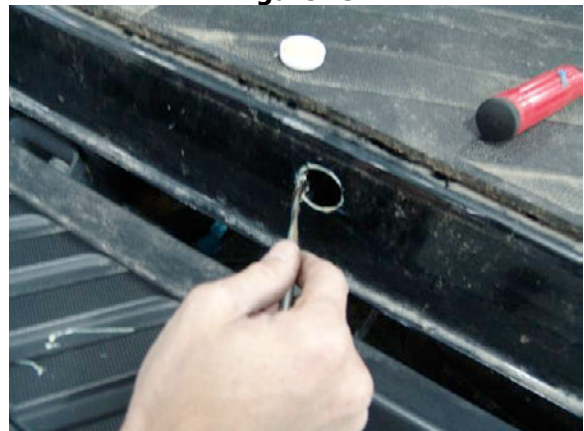
31. Clean the rough edges with a deburring tool. (Figure 28)

Figure 28



32. Apply Z-tech with a small brush. (Figure 29)

Figure 29



INSTALLATION INSTRUCTIONS

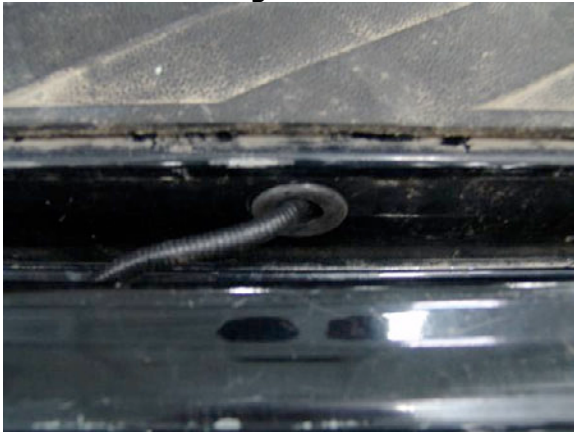
33. Reinstall tailgate to left tension pin on tailgate bed.
34. Route camera harness through drilled hole in tailgate bed. (Figure 30)

Figure 30



35. Reinstall tailgate to right tension pin on tailgate bed.
36. Reinstall tailgate to both tailgate straps.
37. Seat camera harness grommet in drilled tailgate bed hole. (Figure 31)

Figure 31



38. Plug the camera wiring harness connector into the chassis wiring harness connector. (Figure 32)

Figure 32



39. Start the vehicle and put it into reverse in order to check that all connections were made properly. If all of the connections are correct you will see an image displayed on your aftermarket display.