

# REARSIGHT CAMERA SYSTEM

## INSTALLATION INSTRUCTIONS

**07 DODGE SPRINTER**

**250-8040**

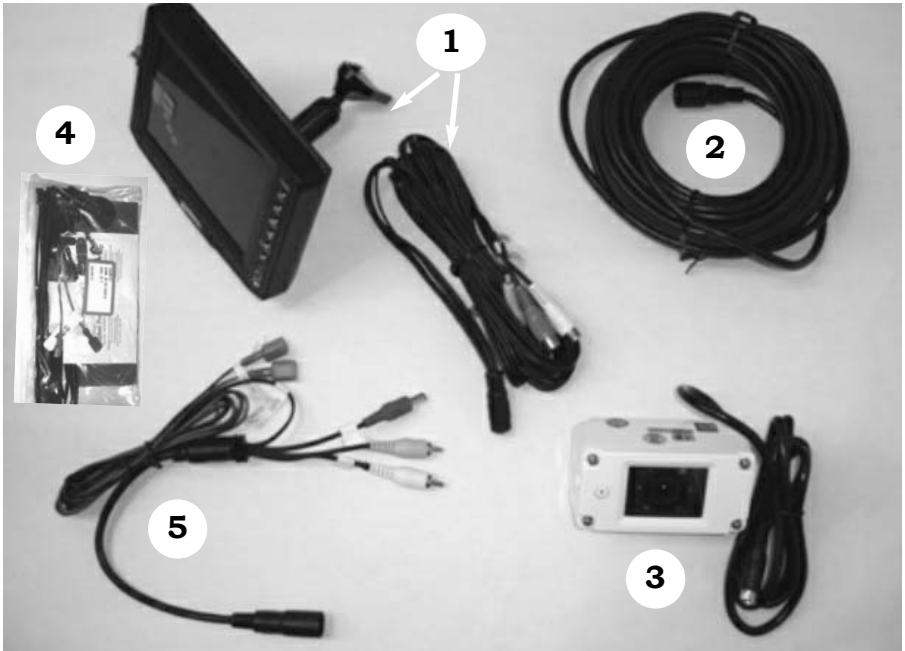


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# SERVICE PARTS LIST

ITEM	QUANTITY	PART NUMBER	DESCRIPTION
1	1	250-8122	5.0" LCD MONITOR/STEM
2	1	250-8511	CAMERA EXTENSION HARNESS
3	1	250-8110	REAR CAMERA ASSEMBLY
4	1	250-8524	HARDWARE PACKAGE: TIE STRAPS, T-TAPS, SEALING PUTTY
5	1	250-8530	POWER/SIGNAL HARNESS



## BEFORE YOU START

**BEFORE BEGINNING INSTALLATION,** FAMILIARIZE YOURSELF WITH THE INSTALLATION INSTRUCTIONS AND THE REARSIGHT CAMERA SYSTEM COMPONENTS.

TO ENSURE YOUR SAFETY:

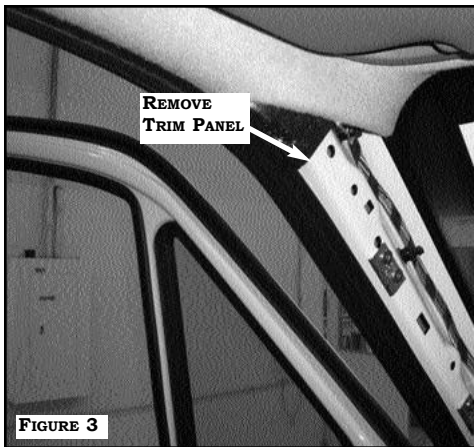
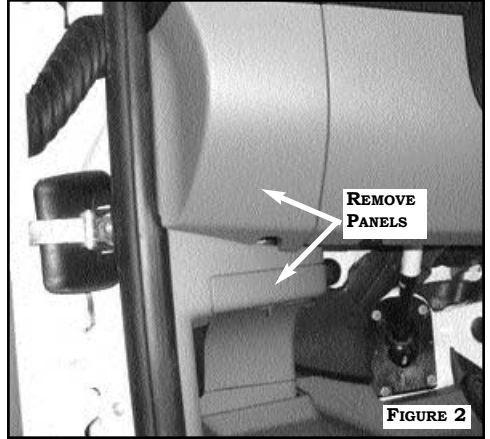
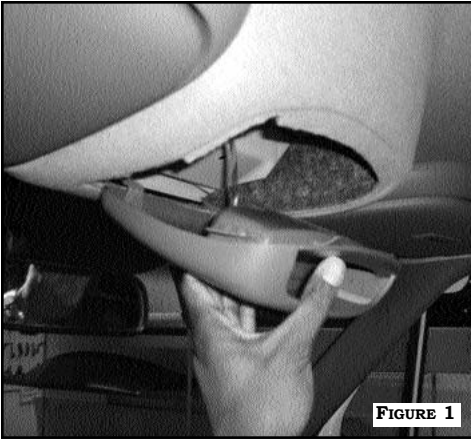
- A) MAKE SURE YOUR VEHICLE IS IN "PARK".
- B) APPLY THE EMERGENCY BRAKE.
- C) **DISCONNECT THE NEGATIVE BATTERY CABLE BEFORE INSTALL.**
- D) NOTE ANY ANTI-THEFT RADIO CODES PRIOR TO DISCONNECTING.
- E) READ THIS MANUAL BEFORE STARTING.

# INSTALLATION

**TO INSTALL THE REARSIGHT SYSTEM, YOU WILL NEED TO DO THE FOLLOWING STEPS:**

## **STEP 1: VEHICLE PREPARATION**

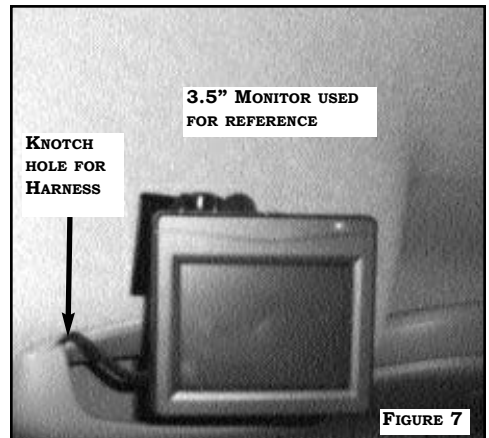
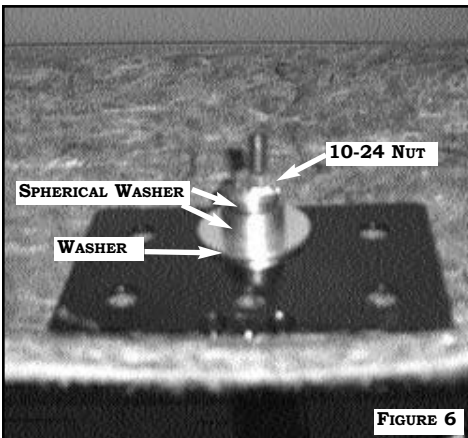
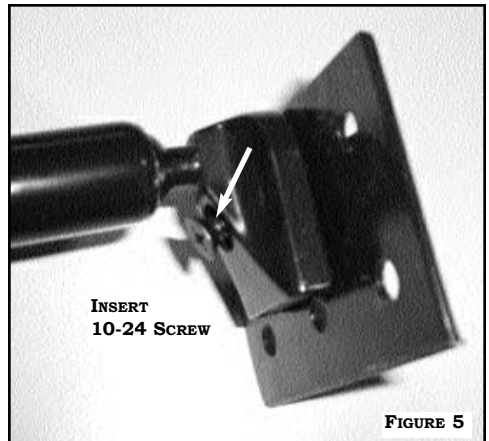
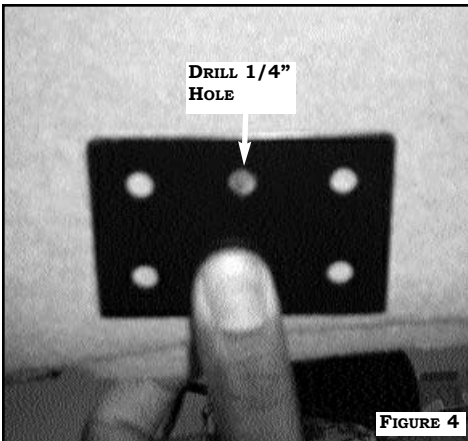
**1. REMOVE MAP LIGHT CONSOLE AS SHOWN IN FIGURE 1. REMOVE DRIVER SIDE DASH PANEL AND FUSE BOX COVER. FIGURE 2. THEN, REMOVE DRIVER SIDE DOOR SEAL TRIM PANEL. FIGURE 3.**



# INSTALLATION

## STEP 2: MOUNTING THE LCD MONITOR

2. USE THE SUPPLIED BRACKETS TO MOUNT THE LCD MONITOR TO HEADLINER. ALIGN FIRST BRACKET WITH HEADLINER ABOVE REMOVED CONSOLE AND BETWEEN THE SUNVISORS. PLACE BRACKET IN THE CLOSEST POSITION TO DRIVER WITHOUT ENTERING CURVE OF HEADLINER. DRILL A 1/4" HOLE IN HEADLINER THROUGH CENTER TOP HOLE OF BRACKET. **FIGURE 4**. INSERT 10-24 PHILLIPS HEAD SCREW THROUGH THE MONITOR STEM AND BRACKET. **FIGURE 5**. USING THE OVERHEAD CONSOLE ACCESS HOLE, APPLY THE SECOND BRACKET ONTO SCREW WITH THE SUPPLIED HARDWARE. **FIGURE 6**. TIGHTEN NUT WITH 3/8" WRENCH. BE SURE TO KNOTCH HOLE IN HEADLINER TO PROVIDE CLEARANCE BEHIND MAP LIGHT CONSOLE. **FIGURE 7**.

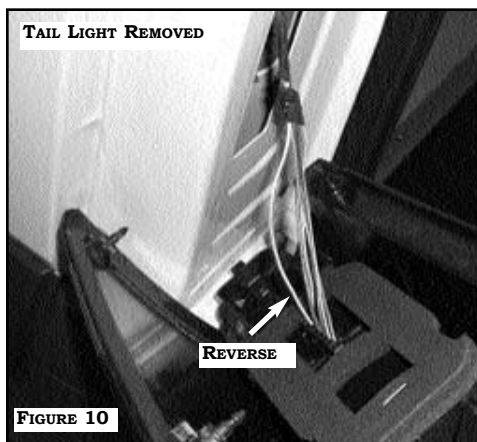
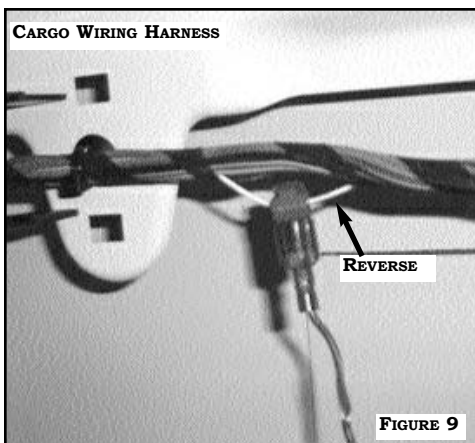
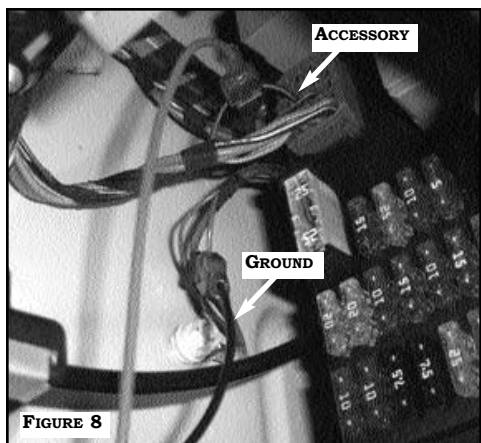


# INSTALLATION

## STEP 3: POWER CONNECTIONS (SEE WIRING DIAGRAM PAGE 7)

1. CONNECT THE **DUAL INPUT HARNESS** TO THE MATING CONNECTOR OF LCD MONITOR. THEN CONNECT THE **RED MALE RCA VIDEO CONNECTOR OF THE POWER/SIGNAL HARNESS** TO THE **VIDEO 2** INPUT (RED CONNECTOR) OF THE DUAL INPUT HARNESS. USE THE SUPPLIED **REVERSE EXTENSION HARNESS** IN SACK PARTS TO CONNECT TO **BLUE REVERSE WIRE**. CONNECT THE **CAMERA EXTENSION HARNESS** TO POWER/SIGNAL HARNESS. THEN ROUTE EXTENSION HARNESS TO REAR OF VEHICLE AND REVERSE WIRE TO DRIVER SIDE CARGO WIRING HARNESS OR REAR BACK UP LIGHT. ROUTE THE DUAL INPUT AND POWER/SIGNAL HARNESSES ABOVE HEADLINER AND DOWN TO DRIVER SIDE FUSE BOX. SECURE HARNESSES AND CONNECTIONS BY USING THE SUPPLIED FOAM AND WIRE TIES. USE THE SUPPLIED T-TAPS TO MAKE THE FOLLOWING CONNECTIONS:

**ACCESSORY - RED/BLACK WIRE - FIGURE 8**  
**GROUND - BROWN WIRE - FIGURE 8**  
**REVERSE - WHITE/BLUE WIRE - FIGURES 9,10**

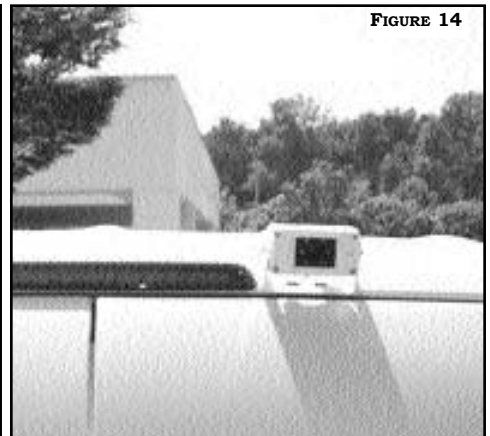
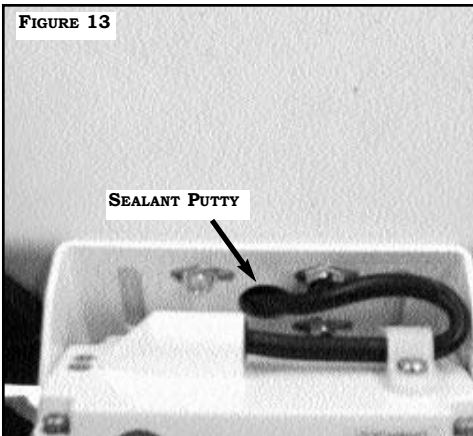
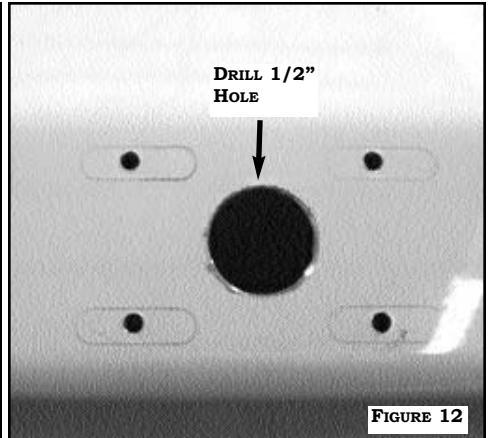
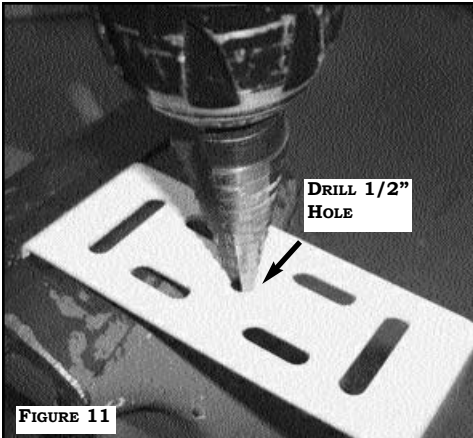


# INSTALLATION

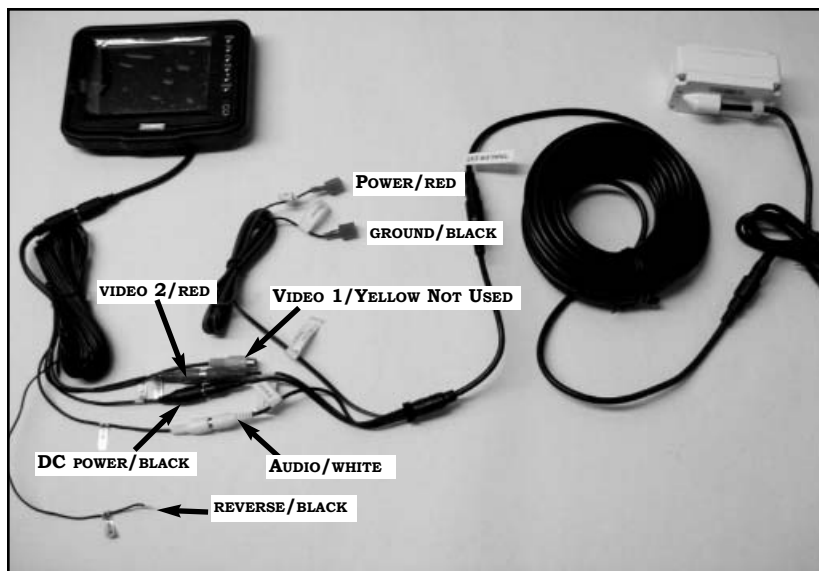
## STEP 4: MOUNTING CAMERA AND BRACKET

1. DRILL A 1/2" HOLE IN THE CENTER OF CAMERA BRACKET. **FIGURE 11.** USE BRACKET TO MARK HOLE ON VEHICLE FOR THE CAMERA HARNESS. DRILL A 1/2" HOLE INTO REAR OF VEHICLE. CAREFULLY DE-BURR THE HOLE. COAT THE INSIDE OF THE HOLE WITH ZINC GALVANIZER OR SOME OTHER RUST INHIBITOR. LET DRY.

**FIGURE 12.** MOUNT THE CAMERA TO BRACKET WITH THE SUPPLIED HARDWARE IN KIT. USE THE SEALANT PUTTY IN HARDWARE BAG TO SEAL HOLE. **FIGURE 13.** ANGLE THE CAMERA TOWARD THE BUMPER OF VEHICLE. **FIGURE 14.**



# WIRING DIAGRAM



# SYSTEM TESTING

## STEP 5: TESTING

1. RECONNECT NEGATIVE BATTERY CABLE. RE-ENTER RADIO CODE INFORMATION, IF APPLICABLE.
2. TURN THE IGNITION SWITCH ON. PUT THE VEHICLE IN REVERSE. VERIFY THAT THE REARSIGHT MONITOR IS ON AND THAT THE CAMERA'S PICTURE APPEARS.
3. IF THERE IS NO PICTURE, VERIFY ALL CONNECTIONS ARE SECURE.

## STEP 6: REASSEMBLY

1. REINSTALL ALL TRIM PIECES TAKING SPECIAL CARE TO ENSURE HARNESSES AND WIRING CONNECTIONS ARE PROPERLY SECURED.
2. BE SURE HARNESSES ARE NOT PINCHED OR BOUND BY TRIM PIECES.
3. PLACE THE OWNER'S CARD IN THE GLOVE BOX.
4. RECONNECT ALL DISCONNECTED BULBS AND CHECK FOR FUNCTION.

# NOTES