



STREET SCENE EQUIPMENT, INC.

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Phone (714) 426-0590 Fax (714) 426-0591

**CONNECTING
STREET SCENE
SIGNAL® MIRRORS
1993 - 2001
FORD RANGER**

CONNECTING STREET SCENE SIGNAL® MIRRORS

INSTRUCTIONS FOR PART NUMBERS		
950-15810	950-17820	950-26820
950-15820	950-18820	
950-15825	950-20820	

1. Install Street Scene Signal® Mirrors to doors following installation instructions.
2. Before beginning electrical hook-up, check the operation of turn signals in the front and rear of vehicle. If any problem exist, repair before installing Street Scene Signal® Mirrors.
3. Remove the door sill plates and kick panels.
4. Run the **RED / BLACK** wire on the mirror into the door. Pull out the rubber boot from the door and door frame. Guide the wire harness out of the hole vacated by the rubber boot.
5. Pull the rubber boot wire through the rubber boot and into the vehicle. Replace the rubber boot between the door and door frame.
6. Do the same on the passenger side. Run the wire across the dash past the steering column to the extreme left side of dash.
7. The electrical wiring for the Ford Ranger is located along the corner of the door frame. Roll over part of the carpeting along the door frame to expose the electrical wiring. Guide the wire harness from mirrors down to the wire bundle.
8. Locate the **GREEN WITH ORANGE STRIPE** wire from within the wire bundle. Turn the ignition key so that electrical power is on and activate the driver's side turn signal. Probe the wire with a test light to verify that flashing turn signal power is present. Label that wire as "**DRIVER'S SIDE TURN**".
9. Locate the **ORANGE WITH BLUE STRIPE** wire from within the wire bundle. Activate the passenger side turn signal and probe the wire with the test light to verify that flashing turn signal is present. Label that wire as "**PASSENGER SIDE TURN**".
10. Make sure the harnesses are routed securely to the vehicle's wire bundle and enough slack is left for splicing.
11. Splice the **RED** wire from the driver's side harness into the **GREEN WITH ORANGE STRIPE** wire previously labeled "**DRIVER'S SIDE TURN**".
12. Splice the **RED** wire from the passenger side harness into the **ORANGE WITH BLUE STRIPE** wire previously labeled "**PASSENGER SIDE TURN**". When splicing do not cut any wires. Use the quick splice connectors provided.
13. Strip and twist together the ends of the **BLACK** wires from both harness. Crimp them together in the supplied ring connector and ground to a suitable nearby location on the metal framework of the vehicle.
14. Activate each turn signal to verify that the Street Scene Signal® Mirrors are working properly.
15. Replace all trim pieces removed.



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**CONNECTING
STREET SCENE
HEATED MIRROR
CONVERSION KIT
1993 - 2001
FORD RANGER**

Connecting Street Scene Heated Mirror Conversion Kit

Instructions For Part Numbers:

950-16820

950-19820

950-26820

950-17820

950-20820

SPECIAL NOTE:

If you are installing Street Scene Mirrors with Signal option, the wiring for the heaters will have a push on terminal and a ring connector on. The wires for the signal system will have no connectors on them. **Do not mix up**

1. Install Street Scene Heated Mirrors following mirror installation instructions.
2. Mount the switch in a suitable location. A good place is on the lower dash panel or below the headlight switch on the early models. Drill a 1/2" diameter hole and insert the switch from the front side and insert the nut from the backside and tighten.

NOTE: LOCATION OF WIRES ON SWITCH

Top Of Switch: (Marked "Earth") Black wire from four foot power connecting harness.

Center Of Switch: (Marked "Load") Red wires from right & left mirror heaters.

Bottom Of Switch: (Marked "Supply") Red wire from four foot power connecting harness.

Locate a switched 12 volt power supply at the fuse panel (Power goes off when ignition switch is in the " off " position). Using the blue quick splice connector supplied, crimp the Red wire from the switch harness to the wire found at the fuse block. DO NOT connect to a constant 12 volt power supply.

3. Remove the door sill plates and kick panels.
4. Run the **Red / Black** wire on the mirror into the door. Pull out the rubber boot from the door and door frame. Guide the wire harness out of the hole vacated by the rubber boot.
5. Pull the rubber boot out from the door frame. Guide the wire through the rubber boot and into the vehicle. Replace the rubber boot between the door and door frame. Do the same on the passenger side. Run the wire across the dash past the steering column to the extreme left side of dash.
6. Connect the **RED** wire from the right and left wire harness to the center pin on the switch using the " **One to Two** " connector.
7. Attach the **BLACK** wires with the ring connectors to a suitable nearby ground location on the metal framework on the vehicle.



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Phone (888) 477-0707 Fax (714) 426-0591

950-11820

93 - UP

FORD RANGER

CAL - Vu MIRROR

INSTALLATION INSTRUCTIONS

NOTE: Please check year, make, and model against application part number. Be sure both mirror heads and mounting plates are left & right side before painting. Parts that have been painted are not eligible for return.

NOTE: Check Your Mirror Plugs To Make Sure They Plug Into Your wire harness before painting, If painted warranty will be void.

NOTE: Mirrors are designed for specific year vehicles. Although mirror may appear to be the same, the electrical connectors will vary year to year. If your mirror does not plug into your factory wire harness, please check your part number and application guide.

NOTE: Do Not Use Loctite On Threads. Warranty Will Be Void If Used

NOTE: Do Not Attempt To Remove Glass For Paint Damage Could Occur And Glass Will Break.

NOTE: Do Not Over Tighten Nuts, Mounting Brackets Will Crack

VERY IMPORTANT ! Read and understand all directions, then check the following parts list before starting installation.

PARTS LIST

2	Mirror Heads	1	Instruction Sheet	6	6 mm Nuts	
2	Mirror Plates	1	Street Scene Decal			

TOOL LIST

3/8" ratchet, 6" extension, 10mm socket, 11mm socket, # 20 torx socket, small flat blade screwdriver, phillips screwdriver.

1. Roll down windows then use a phillips head screwdriver to remove the three screws securing the door panel. One is located in the upper front corner, the second in the lower rear corner, and the third inside the door pull handle.
2. If equipped with manual windows, remove window crank handle by gently inserting small blade screw driver underneath the side of cover on handle. Pry gently upward to open cover. Remove the # 20 torx head screw.
3. If equipped with power windows, remove Power Assist Control Panel by grasping panel and pulling gently upward. Unplug electrical connectors.
4. With palm of hand, gently tap door panel upward to release the panel retaining hooks. Pull area below door release lever toward you and lift door panel up to remove.
5. Unplug wire harness connector, then remove stock mirror using a 11 mm socket and extension. Remove gasket from back of stock mirror.
6. Install Cal-Vu mounting plates to mirror heads (nuts provided) using a 10mm socket.
7. Place gasket over Cal-Vu mounting plate. Then install Cal-Vu mirror to vehicle using stock hardware. Plug in wire harness connector.
8. Install door panel by lining up hooks on door panel with slots in door and sliding door panel down.
9. Install remaining components in reverse order of disassembly.

SECTION 10 #11820 1993-UP FORD RANGER

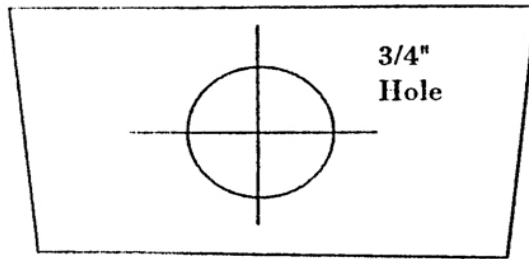
TOOL LIST:

3/8" Ratchet
Pliers
Drill Motor
Safety Glasses
Window Crank Removal Tool

6" Extension
Phillips Screwdriver
De-burring Tool
Small Flat Blade Screwdriver
Door Panel Clip Removal Tool

#20 Torx Socket
3/4" Hole Saw
Electrical Tape

1. Utilize your Street Scene Electric Mirror Installation Instructions supplied with your electric mirrors to assist you in removing both interior door panels and installing your electric mirrors. Before proceeding with Power Conversion Loom Installation, roll up both windows and disconnect the ground cable at the battery.
2. Remove the three phillips head screws in door trim panel. One is located behind mirror, one in lower corner and one inside door pull handle. Remove window crank handle by gently pulling back cover on handle to expose the #20 Torx head screw. Remove screw and handle. Lift trim panel up to release the integrated panel retaining clips.
3. Remove four phillips head screws securing speakers. Disconnect wires and remove speakers.
4. Remove phillips head screw and push in shield clip from hinge pillar trim panel. Remove driver and passenger hinge pillar trim panels.
5. Remove four phillips head screws securing door sill plates and remove.
6. Power Conversion Loom is constructed utilizing three components: Wire Harness, Joystick Switch Harness, and Harness Extension. The driver's side of the Wire Harness is identified by being the shorter of the two pieces of harness. The passenger side has a red and black wires protruding thru the insulation. Prepare Loom for installation by first identifying each component. The Switch location is in the left side of lower instrument panel with the Harness Extension plugged into passenger's side of the Wire Harness. Remove Joystick Switch Connector from 8-Pin Harness Connector by lifting locking tang and pulling each connector gently apart.
7. Remove the two #20 Torx head screws securing lower trim panel beneath steering column and remove. Behind trim panel, remove the four #20 Torx head screws securing the metal panel.
8. To right of parking brake at lower side of dash, remove the two #20 Torx head screws securing the fuse panel. Move fuse panel towards center of truck with wires attached to it.
9. Feed the Harness Pull Cable into opening above parking brake mechanism. Continue to guide the cable thru the rubber door boot and into the driver's side door. (Note: detaching boot at door and/or hinge pillar will ease this operation.) Attach the end of the Harness Pull Cable to the driver's side of the Wire Harness 4-pin connector with electrical tape.
10. Gently feed the driver's side of the Wire harness thru access hole and into rubber boot and into left door. Attach Wire Harness to forward part of door with Ty-Wrap so that not to interfere with window track.
11. Plug in driver's side mirror connector by aligning indexing tang, then push the connector together.
12. Route Wire Harness behind parking brake cable and over steering column, securing with Ty-Wraps. Pull the red and black wires out of the Wire Harness insulation and route toward fuse panel. Locate the red (+12 volt) wire in the large gang plug in fuse panel. Install the Quick-Slide connector over the red wire and crimp the Quick-Slide connector with the pliers. Plug red harness wire into Quick-Slide connector. Attach the black (ground) wire to steering column support.
13. At left side of instrument trim panel set Template #7 on the center recess. Wearing safety glasses, mark and drill a 3/4" hole. Install Joystick Switch with flat side facing down. Tighten bezel nut. Plug in 8-pin wire connector into the matching connector in Wire Harness.
14. Remove the five plastic drive rivet retainers in the carpeted trim panel under the glove box, by pulling the center pin outward and then pulling out retaining body.
15. Open glove box door. Pinch inside upper corners inward. Continue to open glove box and swing door down. It is not necessary to remove door.
16. Reach in thru glove box opening and feed Harness Pull Cable over AC/Heater housing into under dash area to right of steering column. Attach passenger side of Wire Harness with electrical tape to Harness Pull Cable and gently pull harness thru. Secure in route with Ty-Wraps.
17. Pull back black insulation behind right hinge pillar trim panel. Feed the Harness Pull Cable into the opening and thru the rubber boot and into the right door. Attach the Wire Harness to the harness Pull Cable with electrical tape and gently feed thru rubber boot and into the door.
18. Attach Wire Harness with a Ty-Wrap to front inner side of door. Run harness up and plug into right mirror.
19. Test operation of both mirrors then re-install all remaining components in reverse order of disassembly.



Template #8, for use w/#11820
1993-1997 Ford Ranger
Door Panel location
Drill Template for Joystick Switch