



## STREET SCENE EQUIPMENT, INC.

365 McCormick Avenue  
Costa Mesa, CA. 92626  
Phone (714) 426-0590 Fax (714) 426-0591

950-17420  
ASTRO VAN  
1985 - 1998  
ELECTRIC CAL-Vu MIRROR  
WITH REAR SIGNAL  
& HEATED GLASS  
CONVERSION KIT

### 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

**NOTE:** If Painting Mirrors Tape Over Threads To Keep Paint Off

**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   |  |
|---|--|
| ratchet, 6" extension, 10mm socket, phillips screwdriver, flat blade screwdriver, door panel clip & trim pad removal tool GM part # J 38778 or equivalent * window crank removal tool GM part # J 9886-01 or equivalent, manual windows only. |  |

1. Roll down windows and remove two screws located inside of the armrest. Insert panel removal tool under rear of padded part of armrest. Pry upward to release clip. Remove screw now visible on door panel.
2. If equipped with manual windows, remove window crank with handle removal tool.
3. If equipped with power windows, remove switch panel by inserting panel removal tool under rear of switch bezel then prying upward gently to remove. Disconnect switch connector from wire harness.
4. Remove the door release handle cover by inserting panel removal tool between door panel and front edge of cover approximately one inch from the bottom. Pry gently upwards to release front clip then repeat procedure on rear of cover. Disconnect switch connector from wire harness.

- 5 . Using the panel removal tool, slide under front edge of door panel and lift to pop off clip, move around panel with tool releasing all of the clips. Lift panel upwards to remove.
- 6 . Remove nylon clips from inner door and re-install onto door panel.
- 7 . Remove foam mirror access plug from door.
- 8 . Unplug wire harness connector, then remove stock mirror with a 10 mm socket and extension.
- 9 . Install Cal-Vu mounting plates to mirror heads ( nuts provided ) using a 10 mm socket.
- 10 . Remove gaskets from stock mirrors and install onto Cal-Vu mounting plates.
- 11 . Install Cal-Vu mirror to vehicle using stock hardware, tightening nuts fully, then plug in wire harness connector.
- 12 . Install foam mirror access plug into door.
- 13 . Install door panel by placing window seal portion of panel over door frame then lining clips up with holes. Use the palm of your hand to pop clips into place.
- 14 . Install remaining components in reverse order of disassembly.

## **INSTALLATION INSTRUCTIONS SECTION II 96 - UP ASTRO VAN**

- 1 . Roll down windows, then remove mirror trim panel by first inserting Panel Removal Tool underneath the rear portion of the panel two inches from the top. Pry upwards to release clip. Pull top of panel towards you to release bottom clip from door panel.
- 2 . Remove foam mirror access plug from door.
- 3 . Unplug wire harness connector, then remove stock mirror with a 10 mm socket and extension.
- 4 . Install Cal-Vu mounting plates to mirror heads ( nuts provided ) use a 10 mm socket.
- 5 . Remove gaskets from stock mirrors, then install onto Cal-Vu mounting plates.
- 6 . Install Cal-Vu mirror to vehicle using stock hardware, then tightening nuts fully, then plug in wire harness connector.
- 7 . Install foam mirror access plug into door.
- 8 . Install mirror trim panel by first inserting tab on the panel bottom into the slot on the door panel, then rotate panel upwards to engage the top clip. Use the palm of your hand to pop clip in place fully.



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**CONNECTING  
STREET SCENE  
SIGNAL® MIRRORS  
1985 - 2000  
ASTRO VAN**

### CONNECTING STREET SCENE SIGNAL® MIRRORS

| INSTRUCTIONS FOR PART NUMBERS |           |           |
|-------------------------------|-----------|-----------|
| 950-15410                     | 950-15440 | 950-17440 |
| 950-15420                     | 950-17445 | 950-18440 |
| 950-15425                     | 950-17420 | 950-20440 |
|                               | 950-17425 |           |

1. Install Street Scene Signal® Mirrors to doors following mirror installation instructions.
2. Before beginning electrical hook-up, check the operation of turn signals in the front and rear of vehicle. If any problems exist, repair before installing Street Scene Signal® Mirrors.
3. Remove the 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. Guide the wire through the rubber boot and into the vehicle. On the right side it may be necessary to move the ECM Module to pull the wire through. Remove any slack from harness and re-install ECM. Replace the rubber boot between the door and door frame.
6. Route the wire harness across the dash to below the steering column. It will be necessary to remove some panels and engine cover.
7. The vehicles electrical wiring is located beneath the steering column.
8. Locate the solid **LIGHT BLUE** wire in the bundle of wires. Turn the ignition key so that electrical power is on and activate the driver's side turn signal. Probe the wire with the test light to verify that flashing turn signal is present. Label that wire as "**DRIVER'S SIDE TURN**". Locate the solid **DARK BLUE** wire in the bundle of wires and probe the wire with the test light to verify that flashing turn signal power is present. Label that wire as "**PASSENGER SIDE TURN**".
9. Make sure the harness are routed securely under the dash and enough slack is left for splicing. When splicing do not cut any wires. Use the quick splice connectors provided.
10. Splice the **RED** wire from the driver's side harness into the **LIGHT BLUE** wire previously labeled "**DRIVER'S SIDE TURN**".
11. Splice the **RED** wire from the passenger side harness into the **DARK BLUE** wire previously labeled "**PASSENGER SIDE TURN**".
12. Strip and twist together the ends of the **BLACK** wires from each harness. Crimp them together in the supplied ring connector and ground to a suitable nearby location on the metal framework of the vehicle.
13. Activate each turn signal to verify that the Street Scene Signal® Mirrors are working. Replace all of the panels removed.



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**CONNECTING  
STREET SCENE  
HEATED MIRROR  
CONVERSION KIT  
1985 - 2001  
ASTRO & SAFARI VANS**

### Connecting Street Scene Heated Mirror Conversion Kit

| Instructions For Part Numbers: |                  |                  |
|--------------------------------|------------------|------------------|
| <b>950-16420</b>               | <b>950-17420</b> | <b>950-19440</b> |
| <b>950-16440</b>               | <b>950-17440</b> | <b>950-20440</b> |

#### 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. Drill a 1/2" diameter hole and insert the switch from the front side and install the nut from the back side 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 kick panels.
4. Run the **Red / Black** wire from the mirror into the door. Pull the rubber boot from the door and door frame. Guide the wire harness out of the hole vacated by the rubber boot.
5. Guide the wire through the rubber boot and into the vehicle. On the right side it may be necessary to move the **ECM** module to pull the wire through. Remove any slack from harness and re-install **ECM**. Replace the rubber boot between the door and door frame.
6. Route the wire harness across the dash to below the steering column. It will be necessary to remove some panels and engine cover.
7. Connect the **RED** wire from the right and left wire harness to the center pin on the switch using the " **One to Two** " connector.
8. Attach the **BLACK** wires with the ring connectors to a suitable nearby ground location on the metal framework on the vehicle.