

INSTALLATION INSTRUCTIONS 133-729

P/n 61-2914 SHUTTER ASSEMBLY
P/n 61-7203 SHUTTER & LENS ASSEMBLY (includes 61-2914)

Used on:

SCANNER Type 45UV5, Models 1000, 1010, 1101,1103
Engineering Code 04 and higher
(For 45UV5 Engineering Codes 03 and lower, use Instruction Sheet 133-630)

Tools Required:

Flat tip screwdriver
Philips screwdriver
Wire cutting tool
Wire strippers
Wire crimping tool

Replacement Instructions: **(61-2914 or 61-7203):**

1. Loosen the two large slotted screws and remove mounting flange from scanner
2. With flat tip screwdriver, or 5/16" hex wrench, remove the earth-ground screw from side of scanner housing.
3. Holding scanner upright, remove two slotted screws securing the Shutter & Lens Assembly to the scanner housing.
4. Grasping lens assembly, separate the Shutter & Lens Assembly from the scanner body.
5. Using a long Philips screwdriver, loosen two captive-screws located in the base of the scanner securing the terminal board and transformer to the scanner housing.
6. Grasp the terminal board and remove the scanner internals from the scanner housing.
7. At the terminal board end, cut each BROWN shutter wire approximately 2 inches from the end of the clear tubing.

Note: Steps 8 & 9 apply only when installing the 61-7203 Shutter & Lens Assembly. When installing the 61-2914 Shutter Assembly (without lens), skip steps 8 & 9 and proceed to step 10.

8. **P/N 61-7203 Shutter & Lens Assembly ONLY:** At the terminal board end, cut the BLUE UV Tube wire approximately 1 inch from the end of the clear tubing.

9. **P/N 61-7203 Shutter & Lens Assembly ONLY:** At the terminal board end, cut the RED UV Tube wire approximately 1 3/4 inch from its connection to the transformer.

10. Slide the UV tube retaining clip off the UV tube (towards the rear of the scanner), and remove the clip, noting its orientation. *Note the orientation of the tube electrodes. The 4-290-2 p/n stamp will face the rear of the scanner.*

11. Using cloth or paper towel, carefully remove the UV tube from its socket and set aside.

12. Remove the protective fish-paper from the top of the tube socket, and set aside.

13. Loosen but do not yet remove the two Philips-head lens assembly retaining screws.

14. Remove the two orifice plate retaining nuts (11/32" hex), lock-washers, and flat-washers, and then remove the orifice plate.

15. Carefully remove the two Philips-head lens assembly retaining screws and nuts, being careful not to bend the shutter armature or interfere with the armature gap.

16. Remove the lens assembly and orange gasket from the shutter and bracket assembly.

17. **P/N 61-7203 Shutter & Lens Assembly:** Strip 5/16" of the insulation from the BLUE and RED wires to the UV Tube, and from the two BROWN wires to the shutter.

18. **P/N 61-2914 Shutter Assembly:** Strip 5/16" of the insulation from two BROWN wires to the shutter.

19. Crimp the wires of the new assembly to the scanner using the butt-splice connectors provided.

20. Reverse the steps above to reassemble the scanner.

Note: When reassembling the scanner, dress or pull the two brown shutter wires towards the side of the housing to avoid interference with the operation of the shutter.

Note: When reassembling the scanner, make sure that the shutter bracket sits flat in the housing before installing the two slotted screws that secure the lens, shutter, and tube assembly.