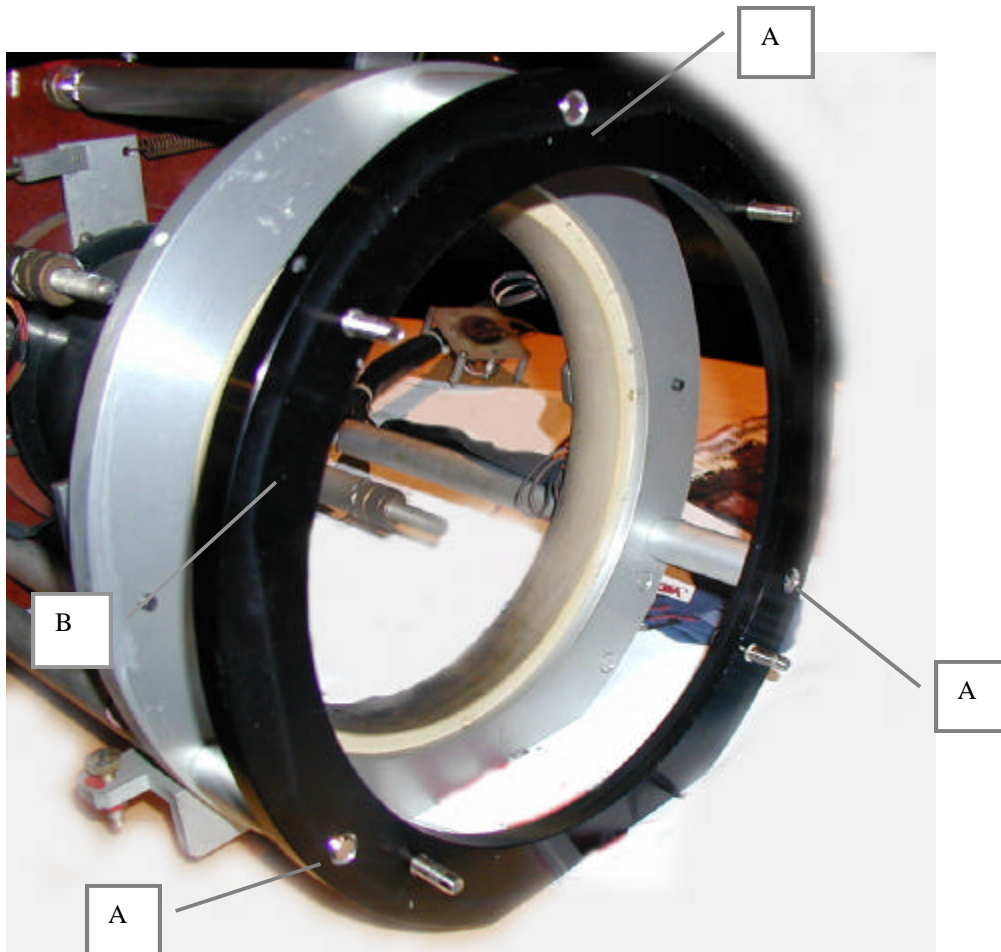


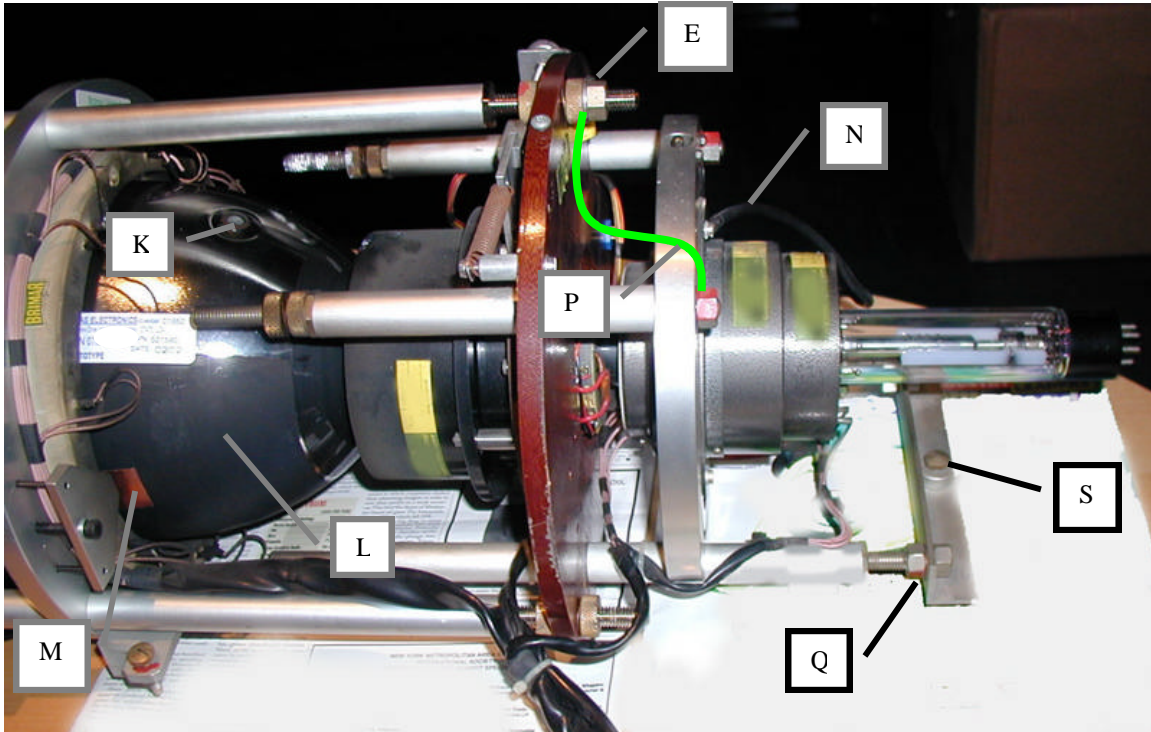
Installation Notes for 7M554P46, 7M562P46, 7M563P46 CRT for Mark III Telecines with Extended Cradle

Thomas Electronics builds the 7M554P46 CRT to be an exact replacement bolt on CRT for extended cradle Mark III series telecine machines. Mechanical fit is an exact bolt up and requires no modifications to fit the modified cradles referred to as the “Extended Cradle”. There are certain precautions and mechanical adjustments that should be followed to optimize the installation and performance of your new CRT.

1. Once the old CRT is removed from the cradle, make sure the large threaded bolts (A) that secure the front mounting ring portion of the cradle (B) are slightly below or exactly flush with the front surface. If these bolts protrude above the surface, the new CRT housing will not mount flush to the mounting ring and there will be problems with beam alignment and image plane focus.



3. The CRT housing must be securely grounded to prevent arcing between the conductive Aquadag coating on the CRT bell (L) and the Anode contact (K). Add a wire (P) to the Cradle to insure good grounding of the front portion of the cradle to the rear portion. Test impedance with an ohm meter between the copper foil (M) on the Aquadag and the ground wire on the Focus coil (N). Impedance must read low to prevent arcing. Add wire (P) as shown in the photo using the nuts (E) to secure. This creates a good ground path between the front and rear portions of the cradle. The focus coil is normally grounded to the HV cable shield via wire (N).



4. Once the CRT is installed in the cradle, it may be necessary to adjust the cradle lock-down length to get the three point lock-downs to grab the cradle and lock it in place in the machine. Adjust nuts (Q) to position the rear lock-down position (S) to match the hold down clamp positions in the machine.
5. Continue with installation as described in machine instructions.

6. Any problems or questions should be addressed to Dave Corbitt at Thomas.

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