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Installation Instructions for Vacuum & Air Stop Arm & Crossing Arm

1. Position Stop Arm on the bus to mark location of the four holes in the ends of the base assembly. Drill 3/16" holes for the No. 14-3/4" self tapping screws supplied in the mounting kit.
2. Using template, align holes (A) at top of page over the two front holes where Stop Arm is to be mounted. Using a center punch, mark location of holes C-3/4" for vacuum or air line B-1/2" for electric light wires located top and bottom for Stop Arm .Or, D-3/4" for electric light wires centre and in line with vacuum or air line. The latter is preferred by all O.E.M. intallations.
3. Mount Heavy Duty solenoid valve where accessible for electrical and vacuum or air connections.
4. Attach vacuum or air line to back of Stop Arm. Fittings are included in our mounting kits, keeping in mind the length of vacuum or air line required to reach the solenoid valve. Feed the vacuum or air line and the electrical wires through the holes to the interior of the bus. Attach your new Stop Arm to the side of the solenoid valve marked (cyl).
5. Run vacuum or air line to engine compartment and connect using your choice of fittings all of which are available in our mounting kit. Feed line back to the solenoid valve and connect to hole marked (in).
6. If your Stop Arm is air operated, connect air line and feed back to the solenoid valve. An air regulator must be used and connected first to the solenoid valve side marked (in). AIR FLOW MUST BE ADJUSTED.
CAUTION: Do not exceed minimum pressure to open the sign to 90 degree position or diaphragm damage will result.

7. The solenoid valve has two lead wires, connect either one to power, the other lead to ground.

NOTE: Stop Arm will open when power is supplied to the solenoid. If your Stop Arm is equipped with lights, connect leads to the existing alternating flasher in compliance with State or Provincial regulations.

8. If you should have any questions regarding installation, check with your nearest distributor or call **B.M.R. MFG. INC. 1-800-461-7660. Wwww. Bmr-mfg.ca** Questions regarding regulations should be directed to your local office of the Ministry of Transporation & Communications or your local Board of Education.