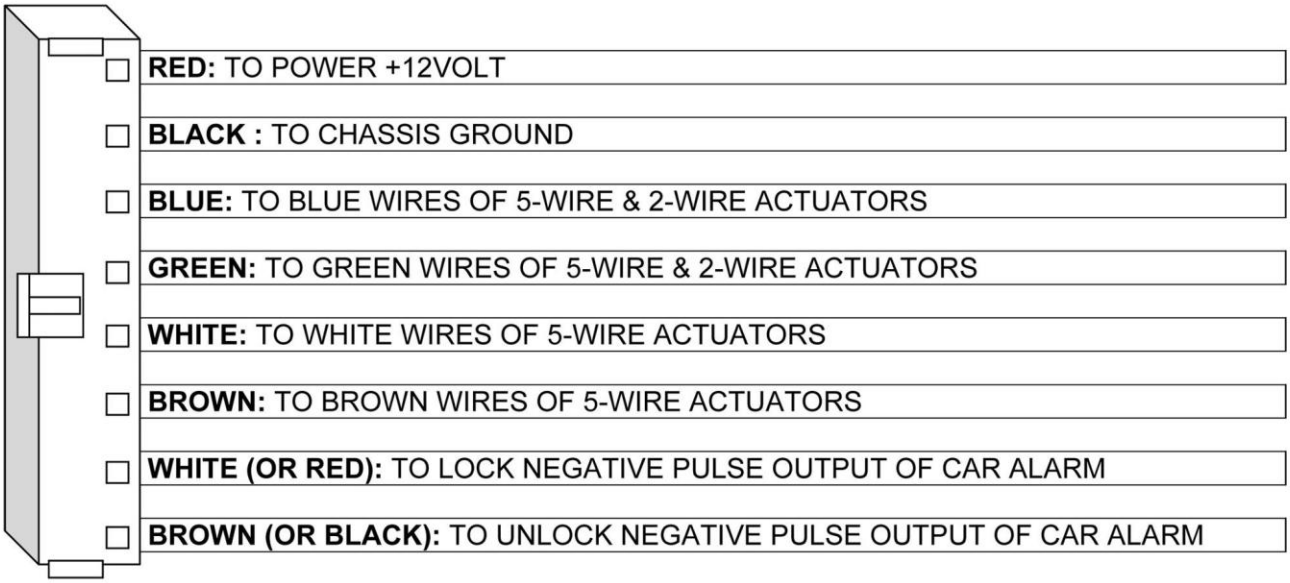
# MEGATRONIX – DAKIT
## POWER DOOR LOCK ACTUATOR KIT

CONNECT THE FOLLOWING WIRES OF THE DOOR LOCK ACTUATOR MODULE PLUG TO THE CORRESPONDING WIRES LISTED IN THE DESCRIPTION NEXT TO THE WIRE COLORS.




1. Carefully mount the control module in a suitable location behind the dash near the fuse box to allow connection of 12V positive and ground.
2. Extend the wiring loom. You will find two groups of five (5) wires and tow groups of two (2) wires. One of the group of five wires will be shorten than the other. The shorter group is to be routed to the front door nearest the mounting location of the control module.
3. Carfully remove all door trims.

## ROUTING THE WIRING (FIG 1)

1. Plug wiring harness into control module.
2. Route the short 5 wire harness to the front door nearest the control module.
   - A: If a door has an existing rubber tube connecting the door jamb to the door, route the wires through the tube into the door.
   - B: If the door has no existing tube, drill a 3/8" diameter hole in the door jamb and in the door. Route the wires into the hole in the door jamb and into the hole in the door. Allow enough wire for the door to open completely.
   - C: Press grommets on ends of the tube into the drilled holes.
3. Now route the long 5 wire harness to the other front door in the same manner.
4. Now route one group of 2 wires into each rear door in the same way as the front doors.

## ACTUATOR MOUNTING (FIG2 & 3) AND CONNECTION TO LOCKS (FIG4 & 5)

1. Select a mounting location inside the door that will allow the window to roll up and down with out interruption, and a position that will not interfere with any other moving parts inside the door.
2. Ensure this location will allow you to connect the actuator to the door lock mechanism as shown in diagram
3. Once a suitable location is selected mount the actuator using one of the 2 possible methods shown in the diagrams, (direct mounting or strap method).
4. Once the mounting method is decided upon, mount the actuator using the hardware supplied as shown in the diagram.

5. Place a connecting rod through the hole in the top of the actuator as shown in fig.4.
6. Bend connecting rod as necessary to reach the existing door button rod. (fig5) Secure by inserting the 4x11 mm hex head screw into the threaded hole and tighten firmly.
7. Manually move the existing door lock button from the locked to the unlocked position and check that the attached mechanism smoothly and the plunger on the actuator extends and retracts.
8. Tighten any loose screws.
9. Repeat procedures for all remaining doors.

## WIRING CONNECTION

1. Plug the five wires into each front door into the matching colour wires on the actuator.
2. Plug the two wires in each rear door into the matching colour wires on the actuator.
3. Secure the black wire on the Control Module to a grounded metal part of the vehicle.
4. Splice the red fused wire on the control module to a constant 12 volt battery source at the fuseblock that is rated at least 20 amps.

## TESTING:

1. Close all doors except the drivers door and check that all doors are unlocked.
2. Close the drivers door and lock it using the key. All doors must lock automatically at the same time.
3. Now unlock the drivers door using the key and check that all doors unlock at the same time.
4. Now push the drivers door lock button down and check that all the other door buttons go down.
5. Repeat steps 1,2, and 3 using the front passenger door. Both front doors will control all doors.
6. Once the system is tested replace the door trims and re-test the system.

# FIG:1

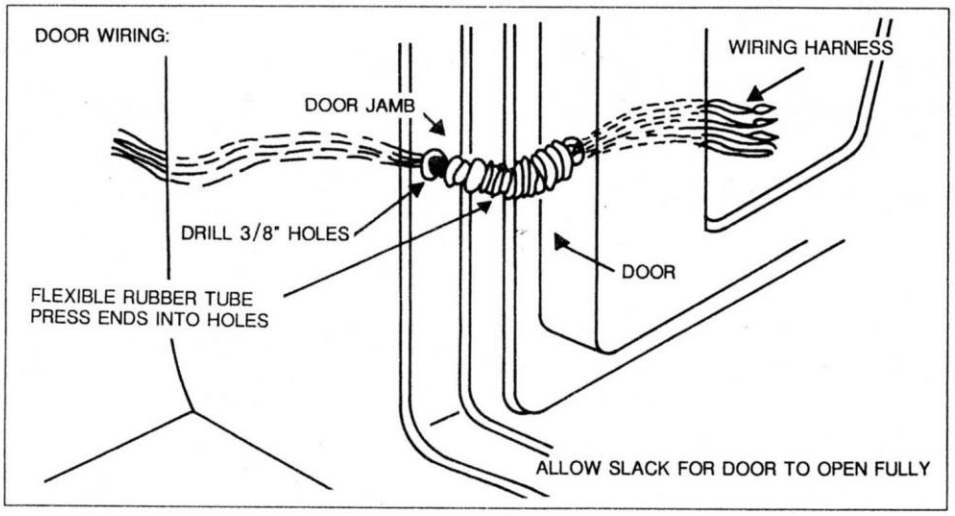


FIG:2

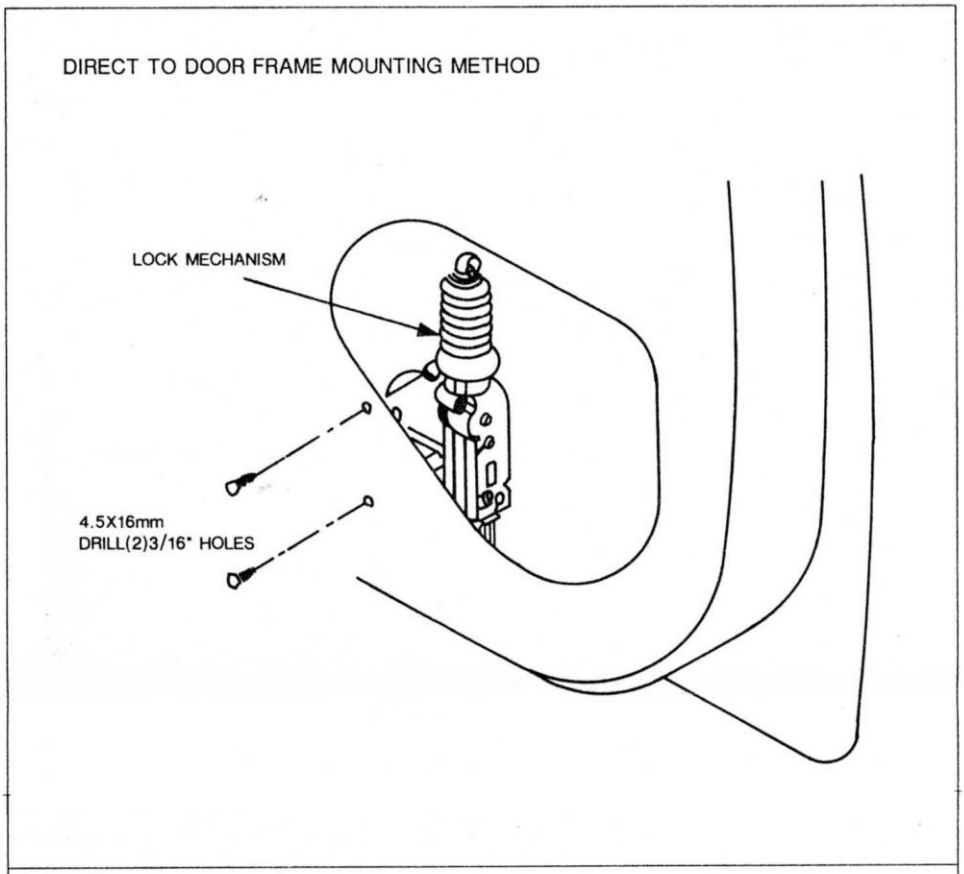

DIRECT TO DOOR FRAME MOUNTING METHOD
LOCK MECHANISM
4.5X16mm
DRILL(2)3/16" HOLES

FIG:3

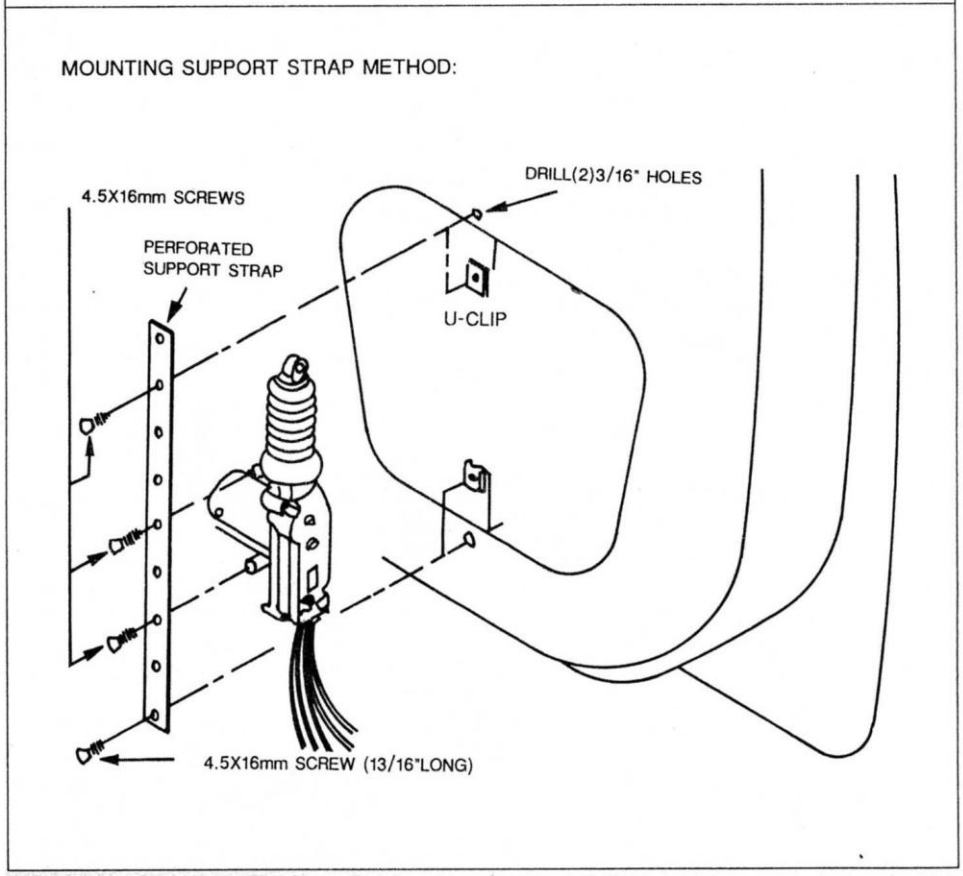

MOUNTING SUPPORT STRAP METHOD:
4.5X16mm SCREWS
PERFORATED
SUPPORT STRAP
DRILL(2)3/16" HOLES
U-CLIP
4.5X16mm SCREW (13/16"LONG)

FIG:4

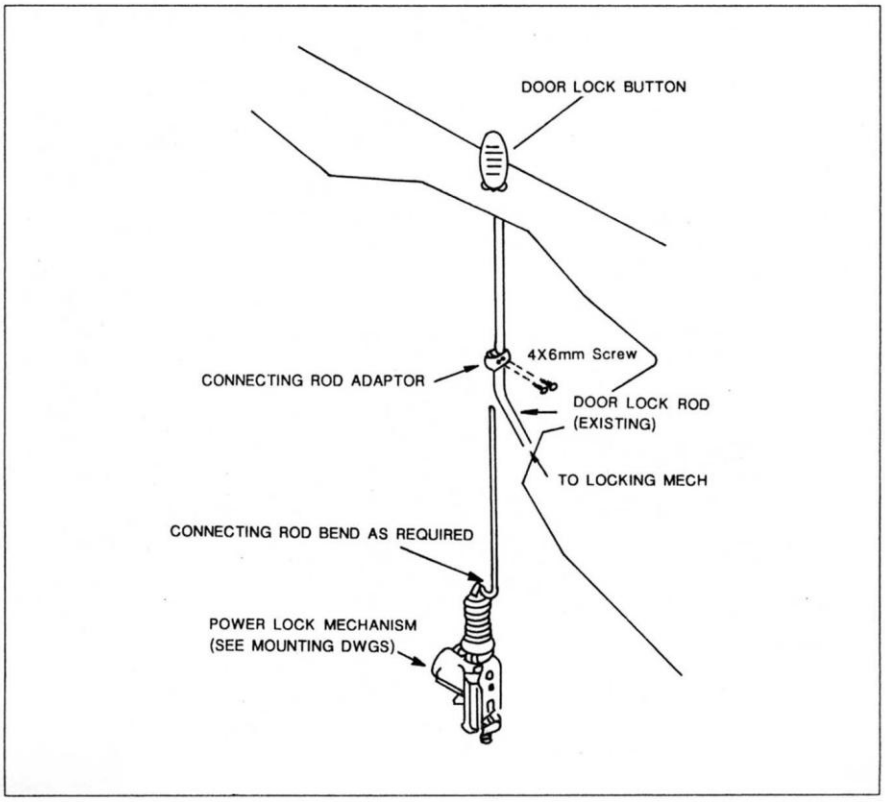
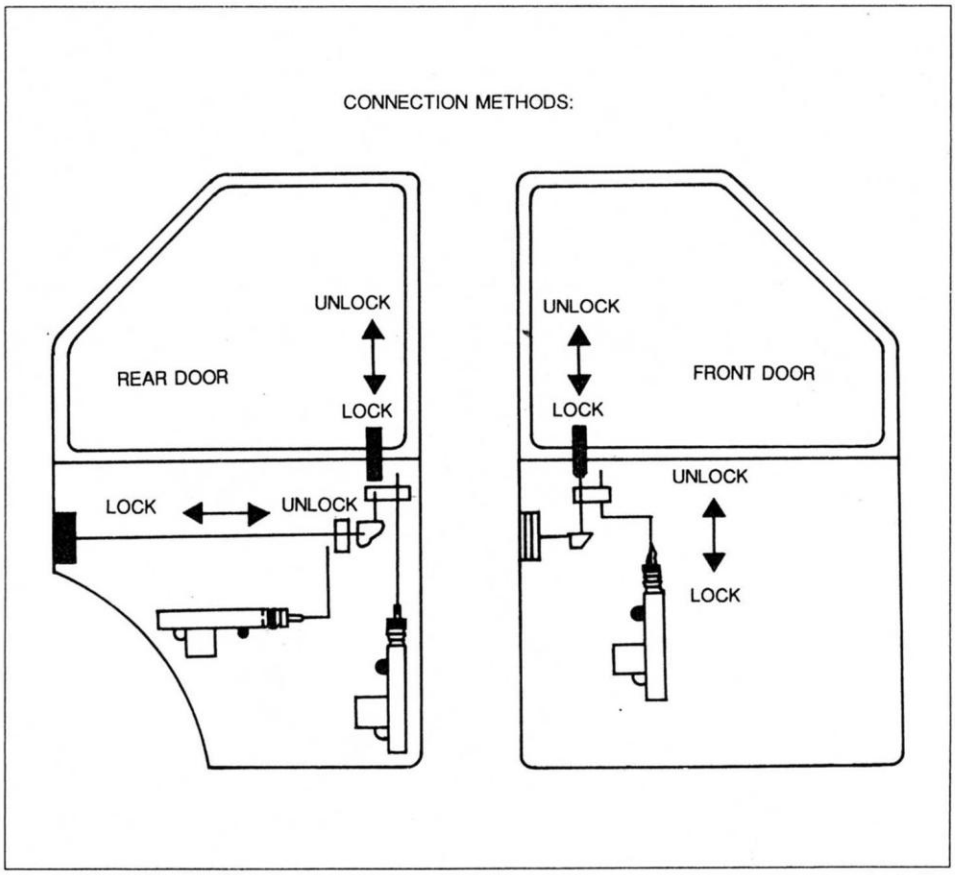

DOOR LOCK BUTTON
4X6mm Screw
CONNECTING ROD ADAPTOR
DOOR LOCK ROD
(EXISTING)
TO LOCKING MECH
CONNECTING ROD BEND AS REQUIRED
POWER LOCK MECHANISM
(SEE MOUNTING DWGS)

FIG:5


CONNECTION METHODS:
UNLOCK
REAR DOOR
LOCK
LOCK
UNLOCK
UNLOCK
FRONT DOOR
LOCK
UNLOCK
LOCK