

PLEASE READ INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO INSTALL THIS KIT.

ATTENTION: THESE UNIVERSAL KITS ARE ADAPTABLE FOR INSTALLATION INTO MOST VEHICLES. ADJUSTMENTS MAY BE REQUIRED TO FIT SOME MAKE AND MODEL VEHICLES.

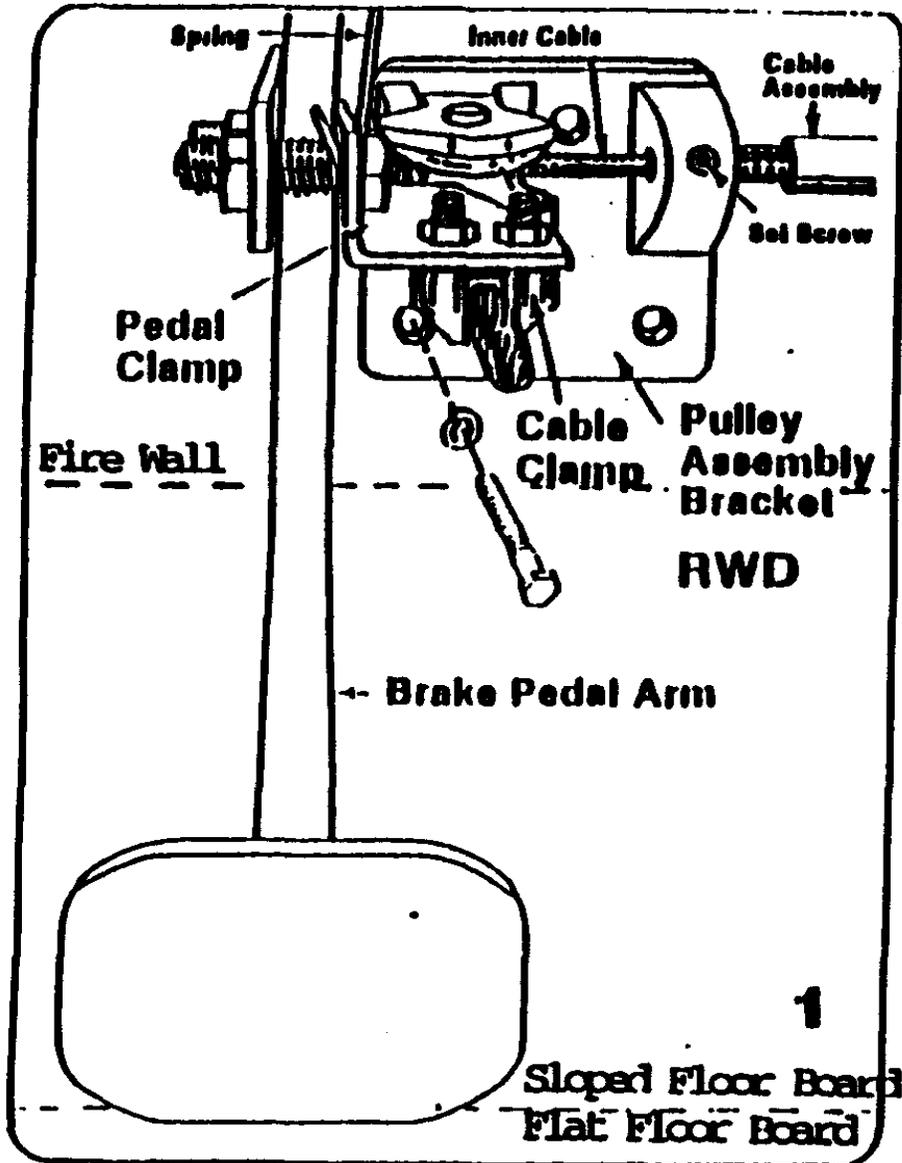
IMPORTANT: CERTIFIED AUTOMOTIVE TECHNICIANS MUST BE UTILIZED TO COMPLETE ALL INSTALLATIONS

The auxiliary brake set includes a metal mounting plate designed for placement on the floorboard on the passenger side of the vehicle. The auxiliary brake assembly is ready for mounting in the vehicle to reduce installation time and avoid potential error. Any alteration or change to the original parts will void liability and warranty on this product. [Please note that to avoid undue strain on the cable in older van installations, the cable assembly must **pass through the engine compartment cover, not around it.** Installation that bypasses the engine housing will void warranty and all liability on this product.

FRONT-WHEEL DRIVE (FWD) VEHICLES

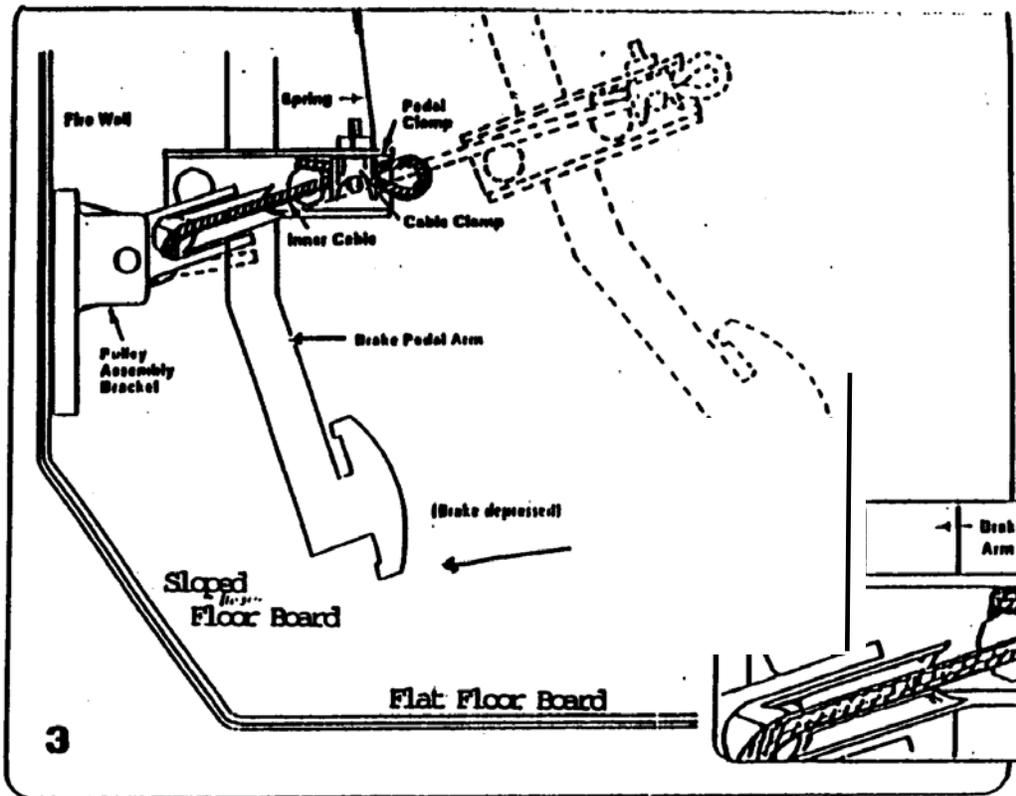
STEP 1a On most FWD vehicles, place the Pulley Assembly Bracket on the vertical firewall below and as close as possible to the steering column, aligning the right side of the pulley wheel as close as possible with the left side of the Driver Brake Pedal Arm without interfering with normal brake pedal travel. (See DETAIL 2) The height of the Pulley Assembly Bracket on the vertical firewall should be positioned to provide a pulling force perpendicular to the Brake Pedal Arm. (See DETAIL 3 and NOTE 1 below)

NOTE 1: Check to make sure that when fully depressed, The Brake Pedal Arm does not contact the Pulley Assembly Bracket. To obtain greater clearance between the Pulley Assembly Bracket and the Pedal Clamp attached to the Driver Brake Pedal Arm; it is recommended that you cut away the padded insulation/carpet directly under the Pulley Assembly Bracket. This allows approximately 3/4 inch more clearance and a more stable mounting. The Brake Pedal Clamp should pass above the Pulley Assembly Bracket when the Brake Pedal Arm is fully depressed. (See DETAILS 3 and 6)



DETAIL 1 (RWD)

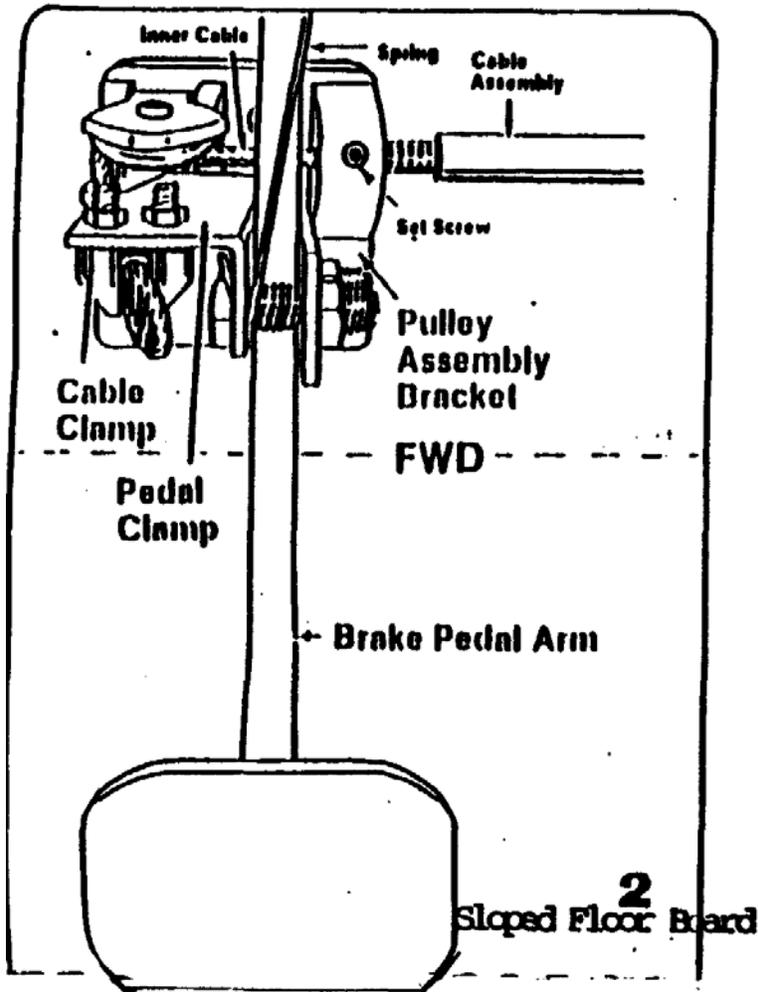
REAR-WHEEL DRIVE (RWD) VEHICLE: STEP 1b On RWD vehicles place the Pulley Assembly Bracket on the vertical below or alongside the steering column as appropriate. Align the left side of the Pulley Assembly Bracket as close as possible to the right side of the Driver Pedal Arm without interfering with normal brake pedal travel. (See DETAIL 1) The height of the Pulley Assembly Bracket on the vertical firewall should be positioned to provide a pulling force perpendicular to the Brake Pedal Arm. (See DETAIL 3 and NOTE 1 above).



DETAIL 3

STEP 2: Attach the Pedal Clamp to the Driver's Brake Pedal arm in such a position that when the Driver Brake Pedal is fully depressed, the Cable Clamp will be at the same height as the pulley on the Pulley Assembly Bracket. (See DETAILS 3 and 6)

NOTE: An additional hole and grommet has been added as an anchoring spot for the cable. Put cable through cable clamp, then grommet before securing with cable clamp.



DETAIL 2 (FWD)

FRONT-WHEEL DRIVE (FWD) VEHICLES

STEP 2a: On FWD vehicles, the Pedal Clamp must be attached to the Driver Pedal Arm in such a position that the Cable Clamp attached to the Pedal Clamp is on the right side of the Driver Brake Pedal Arm (see DETAIL 1).

REAR-WHEEL DRIVE (RWD) VEHICLES

STEP 2b: On RWD vehicles, the Pedal Clamp must be attached to the driver pedal arm in such a position that the cable clamp attached to the pedal clamp is on the left side of the driver brake pedal arm (see DETAIL 2)

STEP 3: The Cable Clamp may be inserted into the Pedal Clamp either from the top or bottom in order to prevent any interference between the Pedal Clamp and inner cable (see DETAIL 3).

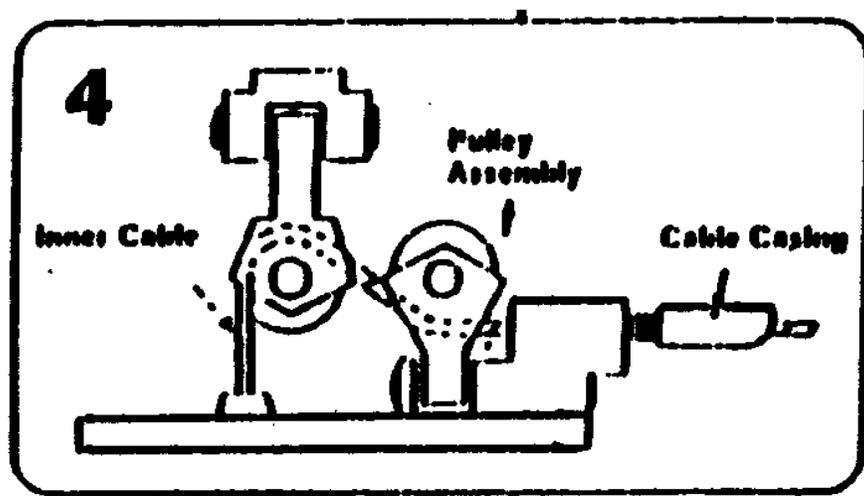
STEP 4: **[WARNING: Before drilling or punching holes, check engine side of firewall and undercarriage of the sloping floor for wires or tubing which may be damaged with drilling holes to mount Pulley Assembly Bracket.]**

After positioning Pulley Assembly Bracket, drill holes to mount pulley Assembly Bracket with bolts, washers and hex-head cap screws provided. If bolts cannot be used, Pulley Assembly Bracket may be mounted with a 1-inch #14 self-tapping screw. Punch 3/16-inch holes for these screws.

STEP 5: With the Pulley Assembly Bracket in place, position the Auxiliary Brake Assembly on the Instructor's side of the vehicle producing as straight a line as possible for the cable.

[CAUTION: There can be no sharp bend(s) between the Pulley Assembly Bracket and the Auxiliary Brake Assembly.]

The straighter the Cable Assembly, the more feel the Instructor has of the braking action. The metallic cable casing is loosely contained in the Pulley Assembly Bracket and the Dual Brake Assembly by setscrews. If the cable casing is too long making it impossible to obtain a straight line with the cable assembly as provided, loosen the set screws and remove the inner cable casing to the Auxiliary Brake Assembly and the Pulley Assembly Bracket, making certain that the ends of the cable casing do not protrude and impede either pulley (see DETAIL 1, DETAIL 2 or DETAIL 4 below).



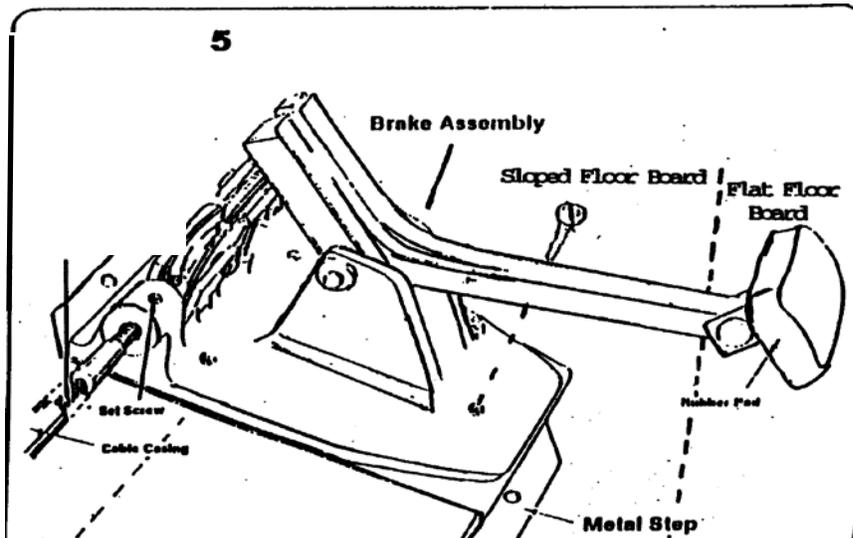
DETAIL 4

STEP 6: [**WARNING:** Before drilling or punching holes, check engine side of firewall and undercarriage of the sloping floor for wires or tubing which may be damaged with drilling holes to mount the metal Step Mounting Plate.]

Position the Auxiliary Brake Assembly on Instructor's side as high as possible on the sloped portion of the floorboard without contacting any heat/air ducts. Use the metal Step Mounting Plate (see NOTE 2) to raise the Auxiliary Brake Assembly to provide a better pedal angle for the Instructor. The metal Step Mounting Plate should be mounted on the sloping floorboard as far to the right as possible using the bottom and top center holes of the metal Step Mounting Plate. Use the 1-1/2-inch self-tapping screws to secure the metal Step Mounting Plate. Punch 3/16-inch holes for these screws (see DETAIL 5)

NOTE 2: Though recommended, the Step Mounting Plate is only necessary for comfort of the Instructor when vehicle floor contour requires it.

NOTE 3: Two (2) ty-raps are provided to secure excess cable after installation is complete, so as not to obstruct operation of the brake. Cutting the excess may lead to fraying.

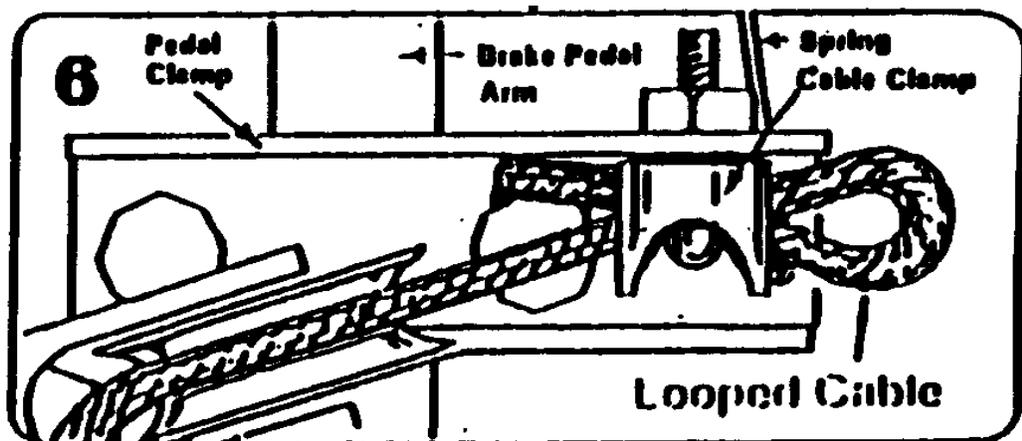


DETAIL 5

STEP 7 Mount the Auxiliary Control Brake Assembly securely to the Mounting Plate (see NOTE 2) using the 1-inch #14 self-tapping screws provided (see DETAIL 5). After the Auxiliary Brake Assembly has been mounted, check cable to be certain that it operates freely within the casing.

STEP 8 With the Auxiliary Control Brake Pedal at its highest point, and the Driver's Brake Pedal Arm fully released, attach the inner cable to the Pedal Clamp using the Cable Clamp. Make sure to double the cable with the looped end facing the driver. Remove all cable slack before tightening the Cable Clamp (see DETAIL 6). A spring is provided to add additional tension and should be attached from the hole in the end of the pedal clamp to the underside of the dash (see NOTE 3).

NOTE 4 *The spring pulls the Brake Pedal completely back and prevents brake ride and additional wear on the brake linings.*



DETAIL 6

STEP 9 Check the action of the Instructor's brake with the engine running. Test brake several times with full pressure applications to Instructor's brake as in a "panic stop".

STEP 10 It is recommended that the cable be replaced every six (6) months or sooner if fraying is evident. When transferring the Auxiliary Brake Assembly to another vehicle, install a new inner cable.

[CAUTION: Check installation for cable wear frequently.]

