

8 Install the Safety Beam

WARNING
Persons, particularly children, could be killed by a closing garage door without a properly installed and adjusted safety beam optical obstacle sensing system.

► **NOTE:** The safety beam's infrared light beam must not be obstructed by the door, or by any part of the door hardware. Use wooden spacers between the beam brackets and wall if necessary to create proper clearance.

1 Assemble the two safety beam brackets from the four L-shaped brackets using two 1/4-20 x 3/4" bolts and 1/4-20 keps nuts (one nut & bolt for each bracket).

WARNING
To protect small children, do not install the safety beam higher or lower than instructed.

2 Position the assembled brackets on each side of the door so the center line of the safety beam lenses will be 6" above the floor. Use the index marks on the brackets to make the bracket assemblies equal lengths. Mark the locations for the bracket mounting screws (the brackets can be wall or floor mounted).

► **NOTE:** The safety beam receiver (the unit with two indicators) should be located on the "shady" side of the door to prevent sunlight from shining directly into the receiver's lens.

3 Drill two 3/16" pilot holes for lag screws at marks. Mount the brackets with two 1/4" x 1-1/4" lag screws and tighten with a 7/16" socket (or use proper concrete fasteners if floor mounting).

4 Insert the sender and receiver into the bracket holes so the lenses of the units will face each other. Twist the units until the spring clips lock into a detent mark on the brackets. To protect the units from being bumped after installation, it is recommended to mount the sender and receiver inside the brackets as shown.

► **IMPORTANT:** Be careful to route the safety beam wiring away from any moving parts of the door or operator.

5 For non-rewired installations, route the wires from the sender and receiver, up the wall above the door hardware, then over to the center of the door, then along the top of the rail (or ceiling), and back to the operator head. Cut the wires about 6" longer than needed to reach the operator terminals. Strip back 1/2" of insulation from the ends of the wires.

6 For non-rewired installations, secure all the wires to the wall and ceiling with insulated staples (not supplied). Staples must straddle both wires to prevent shorts. Secure the wire to the top of the rail with wire clips (supplied).

7 At the operator, twist one wire from each pair together, then twist the other wire from each pair together.

8 Attach either twisted connection to the operator's BEAM terminal. Connect the other twisted connection to the operator's COMMON terminal.

