

well as trigger the lock release rod when lid opening is required.

The unit incorporates an anti-reversing feature which prevents the striker from raising if forcible entry into the rear compartment is attempted.

OPENING CYCLE

The lid may be opened in the conventional manner by using the key or by depressing the lid release button mounted in the glove box.

When the lid release button is depressed, the motor is energized and the lid moves downward slightly and then upwards. Just as the lid starts upward, the output cam trips the lock release lever which causes the release rod to jut upward and trigger the lock release actuator. With the lid lock unlatched, the lid is raised to the open position by the force of the torque rods. Simultaneously, the plunger contacts the striker (completing the motor ground circuit) and also closes the actuator switch contacts (completing the motor feed circuit). The motor continues to be energized raising the striker to its full upward position at which time the plunger allows the actuator switch contacts to open (stopping feed current to motor) and breaks contact with the striker (opening motor ground circuit) to shut off unit.

If the lid is opened from the lock cylinder, the lid will raise in the normal fashion. As the lock hook clears the unit, the plunger will contact the striker to complete the motor ground while closing the actuator switch contacts which feeds current to the motor. Once energized, the motor will drive the unit striker to its full up position at which time the plunger allows the actuator contacts to open (stops feed current to motor) and breaks contact with the striker (opening motor ground circuit) to shut off the unit.

CLOSING CYCLE

The lid need only be lowered until the lock hook engages with the unit striker (about 1 to 1-1/2 inches from fully closed). This action energizes the unit by depressing the plunger which causes actuator switch contacts to close (feed current to motor) and completing motor ground circuit through the lock and lid assembly. The lid is then pulled to the fully closed position and the motor is de-energized as the plunger reaches its fullest downward travel (allowing actuator switch contacts to open). The ground circuit is maintained through lid lock to plunger contact until the opening cycle begins.

NOTE: Lower surface of lock frame must be clean and paint free to insure proper ground circuit.

Adjustments

• Lateral adjustment is provided at the lid lock by means of horizontal slotted holes in the lid inner panel. Vertical adjustment can be accomplished through slotted holes in unit cover (Fig. 7-31). Lid must be properly aligned in opening through hinge adjustment prior to performing lock or unit adjustment.

1. Disconnect motor feed wire connector.
2. Insert flat-bladed screwdriver into slotted secondary gear output shaft to manually cycle unit (counterclockwise - direction of arrow) to full down (closed) position. Set output cam against lock release lever (anti-reversing stop) as shown in Figure 7-32.
3. Loosen three bolts on unit cover and adjust striker (unit assembly) for proper weatherstrip compression and lid fit to adjacent panels.

WARNING: DO NOT ALLOW FINGERS OR CLOTHING TO COME IN CONTACT WITH CYCLING MECHANISM AS PERSONAL INJURY OR MECHANICAL DAMAGE MAY RESULT.

4. Connect motor feed wire.

NOTE: When feed wire connection is completed and plunger is in contact with striker, unit will cycle to full up position.

The unit is designed to compensate for slight over-adjustment (unit set too low). The link and cover assembly incorporates a slotted hole which will allow the output shaft to continue to rotate after lid has reached its maximum downward travel. This will permit the motor to shutoff while maintaining sufficient lid to weatherstrip compression by use of the heavy link and cover assembly spring.

Removal and Installation - Complete Unit

1. Open lid and remove closing unit trim cover.
2. Disconnect motor feed connector.
3. Disconnect actuator switch connector.
4. Scribe locations of unit on rear end panel support and remove three attaching bolts.
5. From rearward side of unit, disconnect lid ajar jamb switch connector. Remove unit from body.