

## 6.1 Maintenance and Troubleshooting

### 6.1.1 Rules

- (a) Jumpers shall not be used as a diagnostic tool. Always use a meter to troubleshoot circuits.
- (b) Temporary bridging (e.g., tomahawk) devices shall not be used to short out hall door contacts.
- (c) Do not jump out door and gate at the same time.  
NOTE: You may deviate from this requirement only when a second qualified person is on site and in direct communication. **USE EXTREME CAUTION WHEN THESE CIRCUITS ARE JUMPED OUT.**
- (d) Ensure that elevator is on inspection before placing jumpers on door, gate, or safety circuits. Make a visual inspection that all hoistway doors are mechanically closed.
- (e) **Ensure all jumpers are removed before placing equipment back in service.**

### 6.1.2 Procedures for Jumper Use

- (a) Remove elevator from public use and ensure no passengers are in the elevator.
- (b) Place jumper kit on machine room door handle or other conspicuous place.
- (c) Verbally communicate to all other elevator personnel on the jobsite when jumper(s) are to be used. This communication provides needed information on circuits bypassed and equipment affected.
- (d) When work is complete, all jumpers shall be removed, counted and returned to the jumper kit.
- (e) Never leave jumpers on equipment or in the machine room.