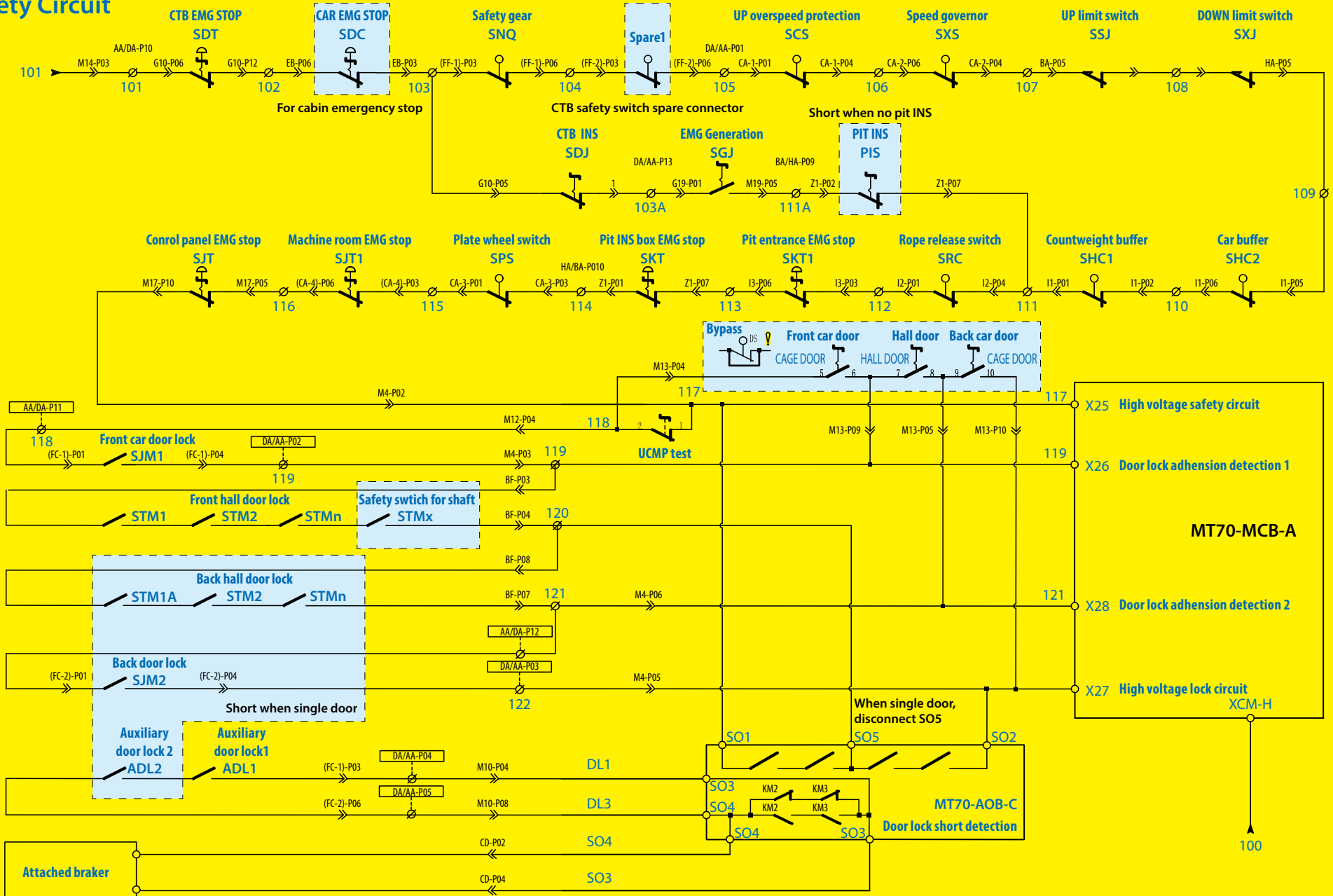


# MTCC-V3 Functions

## Safety Circuit



## UCMP Test

### Parameters Setting

F12.02=3: X2 is door area NO	F12.27=3: X27 is Hi. Vol. door lock 2
F12.08=29: X8 is seal feedback NO	F12.31=3: Y4 is seal contactor output
F12.26=2: X26 is Hi. Vol. door lock	F16.05 bit7=0: Not disable E65

### Steps

1. Stop car at door area, door lock is on (X26, X27, X28 is on), switch EMG to 1 (INS).
2. Start UCMP test, use small keypad F15=1 or F25.04 bit7=1.
3. Switch UCMP test to 0 (X26, X27, X28 is off).
4. Press UP and DW button together, car leaves door area (X1, X2 off), report "E65/E0065" (ucmp fault), complete the test.

### Reset E65

1. Under INS, set small keypad F02=1, press small keypad "SET".
2. Under INS, press keypad "STOP".

### Notes

1. No passengers in the car when test.
2. Small keypad F15=1 or F25.04 bit7=1, will be cleared after run and power.
3. At test, start Acc. is $0.8\text{m/s}^2$ , to ensure average Acc. is over $0.5\text{m/s}^2$ .

## Brake Force Detection

### Steps

1. <b>NOR:</b> After door lock is on, no running direction. <b>INS:</b> Can inspection run, after door lock is on, no running direction.
2. Start test: MCB small keypad F14=1 or F25.04 Bit8=1.
3. Inspection up or down by external command, can be canceled.
4. Test successfully: F04.17 adds 1 automatically. Test failed: Report "E66/E0066" (brake force detection failure).

### Conditions of Resetting E66

1. When F17.07 Bit3=1, can be manually reset under INS.
2. When F17.07 Bit3=0, can not be reset automatically. Must be under NOR mode, retest for brake force detection and successful, then can be reset.
3. F17.07 Bit3 will be cleared automatically after each power and reset.

### Parameters Setting

F03.18	Test method	Syn. motor 2 (auto), asyn. motor 0 (invalid)
F03.19	Test period	1 [1-15 day]
F03.20	Test time	3:00 [00:00-23:59]
F04.14	Test continue time	5 [1-10s]
F04.15	Test torque	100 [60-150%]
F04.16	Allow pulse	5 [1-99]
F04.17	Successful times	0 [0-65535]

## Door Lock Bypass Test

### Steps

1. <b>NOR:</b> <ul style="list-style-type: none"> <li>Switch "door lock bypass" to 0.</li> </ul> <b>Bypass front car door:</b> <ul style="list-style-type: none"> <li>Disconnect front car door lock, switch "door lock bypass" to 1.</li> <li>Short front car door lock, bypass valid, report "E73/E0073" (stop quickly running faulty).</li> </ul> <b>Bypass back car door:</b> <ul style="list-style-type: none"> <li>Disconnect back car door, switch "door lock bypass" to 3.</li> <li>Short back car door lock, bypass valid, report "E73/E0073" (stop quick running faulty).</li> </ul> <b>Bypass hall door:</b> <ul style="list-style-type: none"> <li>Disconnect hall door lock, switch "door lock bypass" to 2.</li> <li>Short hall door lock, bypass valid, report "E73/E0073" (stop quick running faulty).</li> </ul>	
2. Enter EMG generation mode, press both UP and RUN, or DW and RUN, slow running, car top inspection lights and alarms.	

### Parameters Setting

F12.04=150: X4 is bypass NC	F26.16 Bit9=0: Disable manual door
-----------------------------	------------------------------------