

# *R. C. Tronics, Incorporated*

**Specializing In Electronic Controls**

AUGUST 23, 2022

**2573 East Kercher Road  
Goshen, Indiana 46528  
<https://www.rctronics.com>**

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## ***RCT-01760-Q TRANSIT BUS BOOKLET***



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RCT-01760-Q

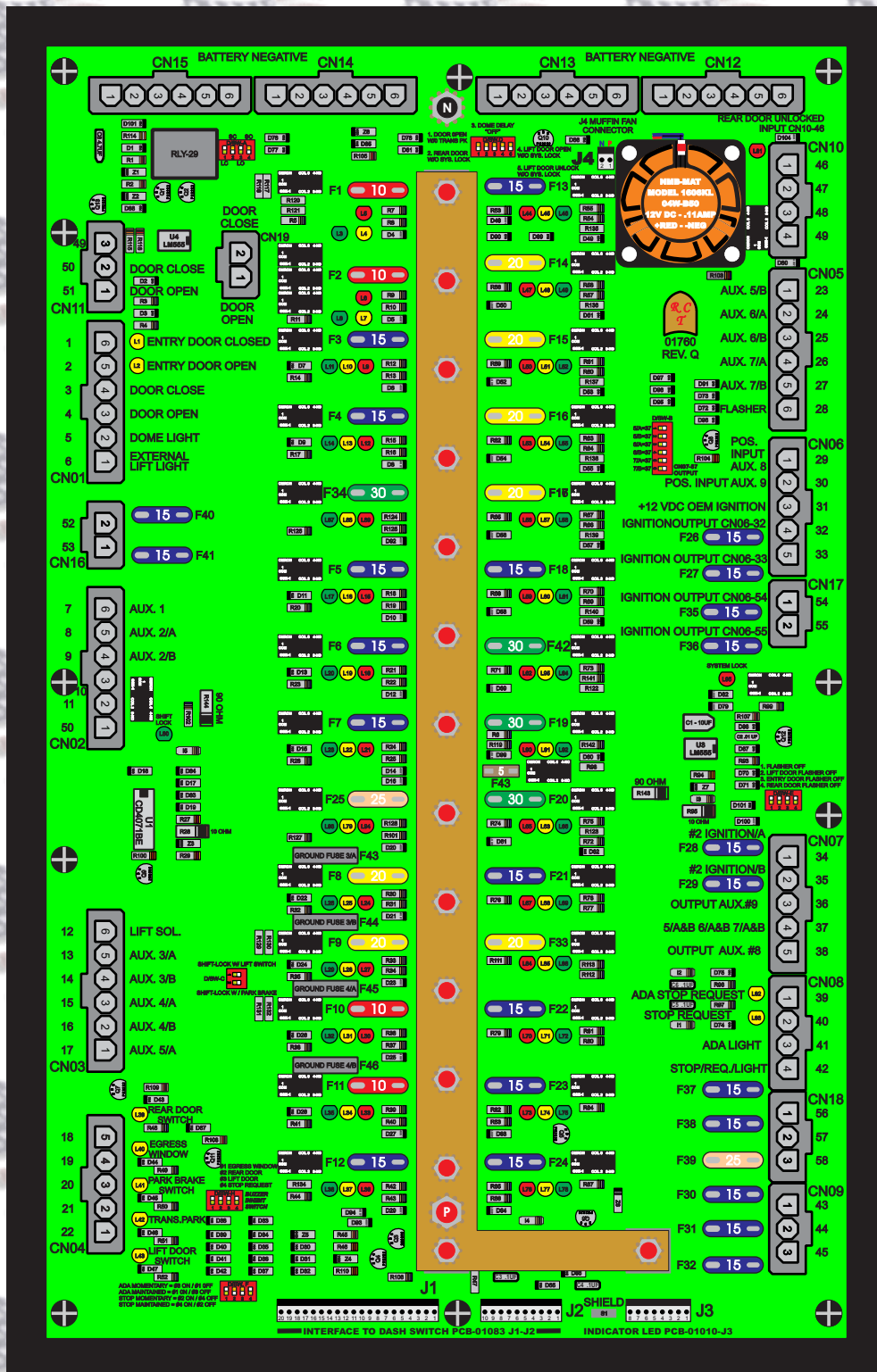
CHOOSE PART NUMBER TO ORDER

RCT-01760-00000 - Bus Power Center, Plug-In-Play, with Fuses

RCT-01760-00002 - Bus Power Center, Plug-In-Play with Circuit Breakers

RCT-01760-00003 - Bus Power Center, Plug-In-Play, with Fuses & Cooling Fan

RCT-01760-00004 - Bus Power Center, Plug-In-Play, with Breakers & Cooling Fan





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## RCT-01760-Q PLUG-IN-PLAY BUS POWER CENTER EXPANDED FEATURE MICRO-RELAY SYSTEM

### WARNING CAUTION

**NO POSITIVE VOLTAGE TO, CN01-1 OR CN01-2, IT CREATES A DIRECT SHORT AND WILL DESTROY THE MAIN CONTROL.**

D/SW-A: Switches 1 & 3 "ON" and Switches 2 & 4 "OFF", to operate self limiting passenger doors from the motor outputs. CN1-3 "Door Close" and CN1-4 "Door Open". (Torque, Current Limit Controller)

D/SW-A: Switches 2 & 4 "ON" and Switches 1 & 3 "OFF" to operate doors with external limit switches connected to CN01-1 "Limit Door Close" and CN01-2 "Limit Door Open".

CN11-49 Power Diode Output  
CN11-50 Entry Door Close Switch, Exterior  
CN11-51 Entry Door Close Switch, Exterior

CN01-1 Limit Switch "Entry Door is Closed"  
CN01-2 Limit Switch "Entry Door is Open"  
CN01-3 Door Close, Motor Output  
CN01-4 Door Open, Motor Output  
CN01-5 12 VDC Output "Dome Light"  
CN01-6 12 VDC Output "External Lift Light"

CN16-52 12 VDC Output "Ignition"  
CN16-53 12 VDC Output "Ignition"

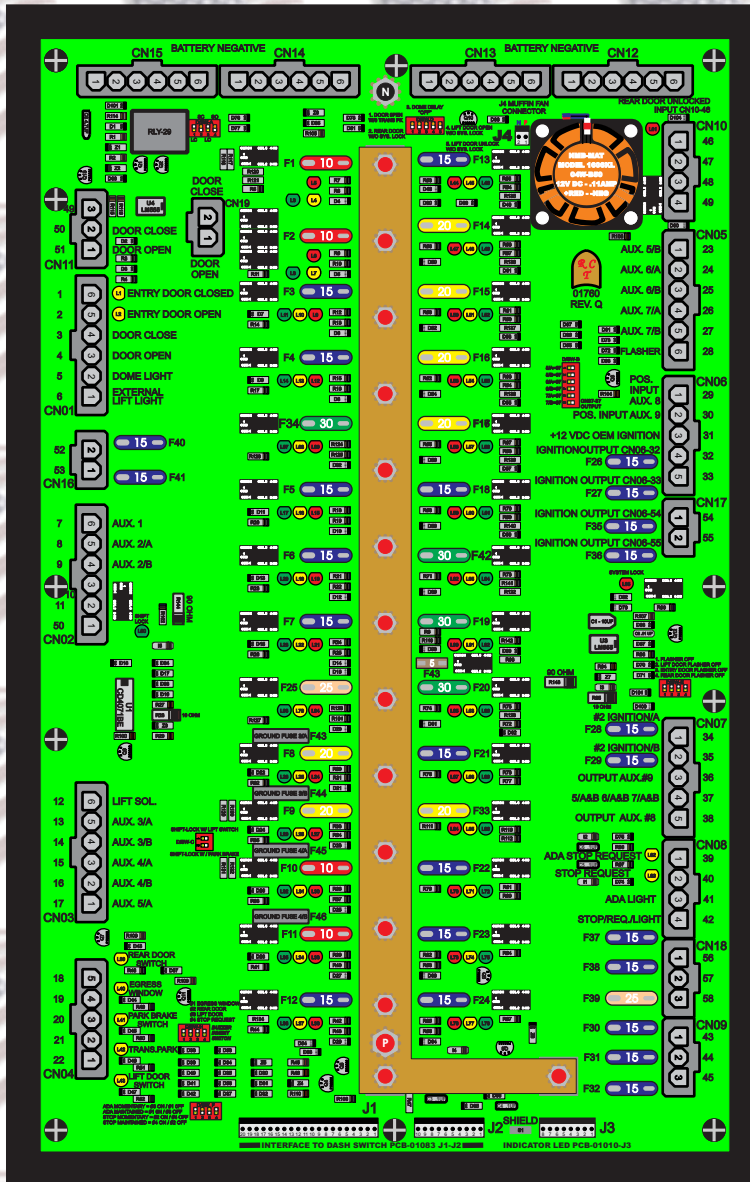
CN02-7 12 VDC Output "Aux. 1"  
CN02-8 12 VDC Output "Aux. 2/A"  
CN02-9 12 VDC Output "Aux. 2/B"  
CN02-10 Normally Closed Contact "Shift Lock"  
CN02-11 Normally Open Contact "Shift Lock"  
CN02-50 Common "Shift Lock"

D/SW-C Switch 1 "ON" Engages "Shift Lock" when the "Lift Switch" is "ON".  
D/SW-C Switch 2 "ON" Engages "Shift Lock" when CN04-20 "Park Brake Switch" is at Battery Negative.

CN03-12 12 VDC Output "Lift Solenoid"  
CN03-13 12 VDC Output "Aux. 3/A"  
CN03-14 12 VDC Output "Aux. 3/B"  
CN03-15 12 VDC Output "Aux. 4/A"  
CN03-16 12 VDC Output "Aux. 4/B"  
CN03-17 12 VDC Output "Aux. 5/A"

CN04-18 Ground Input "Rear Door Switch"  
CN04-19 Ground Input "Egress Windows"  
CN04-20 Ground Input "Park Brake Switch"  
CN04-21 Ground Input "Transmission in Park"  
CN04-22 Ground Input "Lift Door Switch"

D/SW-F Switch 1 "ON" & Switch 3 "OFF" maintained ADA alarm.  
D/SW-F Switch 1 "OFF" & Switch 3 "ON" momentary ADA alarm.  
D/SW-F Switch 2 "OFF" & Switch 4 "ON" maintained Stop Req. Alarm.  
D/SW-F Switch 2 "ON" & Switch 4 "OFF" momentary Stop Req. Alarm.



D/SW-D: Switch 1 "ON" Inhibits Door Open without "Transmission Park".  
D/SW-D: Switch 2 "ON" Locks System On with "Rear Door Switch".  
D/SW-D: Switch 3 "ON" Enables Automatic Dome Light On.  
D/SW-D: Switch 4 "ON" Inhibits System Lock with "Lift Door Switch".  
D/SW-G: Switch 1 "ON" Locks Ignition Power On when 12 VDC is at CN10-47.

CN10-46 Ground Input "Rear Door Input"  
CN10-47 Rear Door Lock Relay Common 12 VDC Input  
CN10-48 Rear Door Lock Relay 27 Normally Open  
CN10-49 Rear Door Lock Relay 27 Normally Closed

CN05-23 12 VDC Output "Aux. 5/B"  
CN05-24 12 VDC Output "Aux. 6/A"  
CN05-25 12 VDC Output "Aux. 6/B"  
CN05-26 12 VDC Output "Aux. 7/A"  
CN05-27 12 VDC Output "Aux. 7/B"  
CN05-28 12 VDC Output "Flasher"

CN06-29 12 VDC Input "Aux. 8"  
CN06-30 12 VDC Input "Aux. 9"  
CN06-31 12 VDC Input "OEM Ignition"  
CN06-32 12 VDC Output "Ignition"  
CN06-33 12 VDC Output "Ignition"

CN17-54 12 VDC Output "Ignition"  
CN17-55 12 VDC Output "Ignition"  
D/SW-B: Provides additional 12 VDC output at CN07-37 when below listed switch placed "ON".  
Switch 1 - "ON" 5A (Adds CN07-37)  
Switch 2 - "ON" 5B (Adds CN07-37)  
Switch 3 - "ON" 6A (Adds CN07-37)  
Switch 4 - "ON" 6B (Adds CN07-37)  
Switch 5 - "ON" 7A (Adds CN07-37)  
Switch 6 - "ON" 7B (Adds CN07-37)

D/SW-E Switch 1 "ON" "Flashing" "OFF" "Constant" output at CN05-28.  
D/SW-E Switch 2 "ON" CN05-28 "Flasher" with "Lift Door Switch".  
D/SW-E Switch 3 "ON" CN05-28 "Flasher" with "Entry Door Open".  
D/SW-E Switch 4 "ON" CN05-28 "Flasher" with "Rear Door Open".

CN07-34 12 VDC Output "Ignition"  
CN07-35 12 VDC Output "Ignition"  
CN07-36 12 VDC Output "Aux. 9"  
CN07-37 12 VDC Output operated by DSW-B  
CN07-38 12 VDC Output "Aux. 8"

CN08-39 Ground Input "ADA Stop"  
CN08-40 Ground Input "Stop Request"  
CN08-41 12 VDC Output "ADA Light"  
CN08-42 12 VDC Output "Stop / Req. Light"

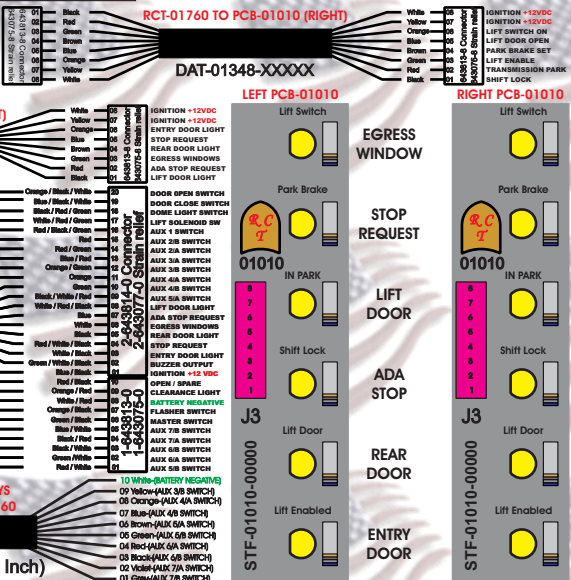
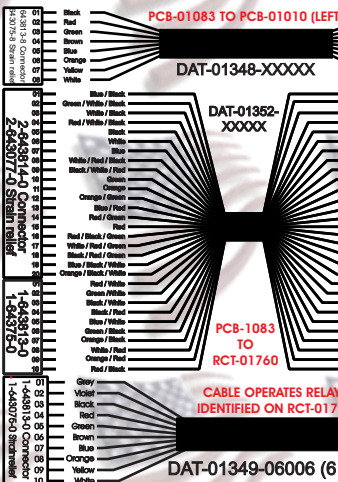
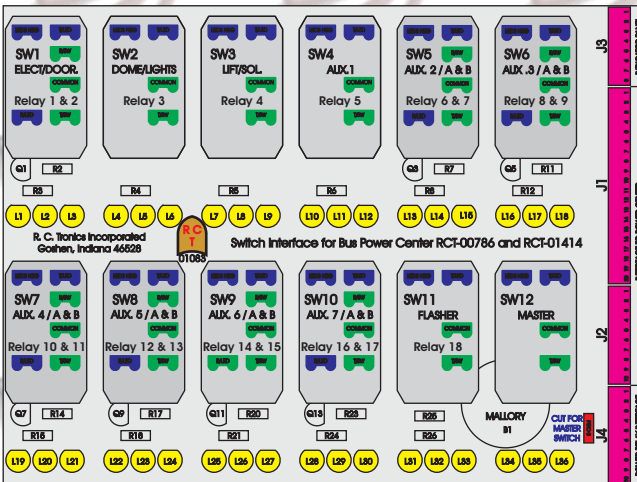
CN18-56 12 VDC Output "Ignition"  
CN18-57 12 VDC Output "Ignition"  
CN18-58 12 VDC Output "Ignition"

CN09-43 12 VDC Output "Ignition"  
CN09-44 12 VDC Output "Ignition"  
CN09-45 12 VDC Output "Ignition"

### RCT-01760 POWER CENTER TO PCB-01083 SWITCH CENTER

### RCT-01760 TO PCB-01010 (RIGHT)

DAT-01348-XXXXX



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## Power Center RCT-01760-O Molex Connectors

### **CN01**

- 1 Door Closed Limit Input **NEG (sink)**
- 2 Door Open Limit Input **NEG (sink)**
- 3 Door Close Motor Output **12 VDC (+)**
- 4 Door Open Motor Output **12 VDC (+)**
- 5 Dome Light **12 VDC (+)**
- 6 External Lift Light **12 VDC (+)**

### **CN02**

- 7 Aux. 1 Out **12 VDC (+)**
- 8 Aux. 2/A Out **12 VDC (+)**
- 9 Aux. 2/B Out **12VDC (+)**
- 10 Shift Lock NC (ISOLATED CONTACT)
- 11 Shift Lock NO (ISOLATED CONTACT)
- 50 Shift Lock COM (ISOLATED CONTACT)

### **CN03**

- 12 Lift Solenoid Output **12 VDC (+)**
- 13 Aux. 3/A Out **12 VDC (+)**
- 14 Aux. 3/B Out **12 VDC (+)**
- 15 Aux. 4/A Out **12 VDC (+)**
- 16 Aux. 4/B Out **12 VDC (+)**
- 17 Aux. 5/A Out **12VDC (+)**

### **CN04**

- 18 Rear Door Switch Input **NEGATIVE (sink)**
- 19 Egress Window Input **NEGATIVE (sink)**
- 20 Park Brake Switch Input **NEGATIVE (sink)**
- 21 Transmission in "Park" Input **NEGATIVE (sink)**
- 22 Lift Door Switch Input **NEGATIVE (sink)**

### **CN05**

- 23 Aux. 5/B Out **12 VDC (+)**
- 24 Aux. 6/A Out **12 VDC (+)**
- 25 Aux. 6/B Out **12 VDC (+)**
- 26 Aux. 7/A Out **12 VDC (+)**
- 27 Aux. 7/B Out **12 VDC (+)**
- 28 "Flasher" Output **12 VDC (+)**

### **CN06**

- 29 Input Aux. 8 **12 VDC (+)**
- 30 Input Aux. 9 **12 VDC (+)**
- 31 Input Ignition **12 VDC (+)**
- 32 Ignition Output **12 VDC (+)**
- 33 Ignition Output **12 VDC (+)**

### **CN07**

- 34 Ignition Output **12 VDC (+)**
- 35 Ignition Output **12 VDC (+)**
- 36 Aux. 9 Output **12 VDC (+)**
- 37 DSW-B Output **12 VDC (+)**
- 38 Aux. 8 Output **12 VDC (+)**

### **CN08**

- 39 ADA Stop Input **NEGATIVE (sink)**
- 40 Stop/Req Input **NEGATIVE (sink)**
- 41 ADA Light Output **12 VDC (+)**
- 42 Stop/Req Light Output **12v (+)**

### **CN09**

- 43 Battery Output **12 VDC (+)**
- 44 Battery Output **12 VDC (+)**
- 45 Battery Output **12 VDC (+)**

### **CN10**

- 46 Rear Door input **NEGATIVE (sink)**
- 47 Lock Relay Common (ISOLATED CONTACT)
- 48 Lock Relay N.O. (ISOLATED CONTACT)
- 49 Lock Relay N.C. (ISOLATED CONTACT)

### **CN11**

- 49 **NEG (-)**
- 50 Entry Door Close Switch, Exterior **(sink)**
- 51 Entry Door Open Switch, Exterior **(sink)**

### **CN12, CN13, CN14, CN15**

(6) **NEGATIVE** Each Total of 24 Connections

### **CN17**

- 54 Ignition Output **12 VDC (+)**
- 55 Ignition Output **12 VDC (+)**

***CN18***

56 Battery Output 12 VDC (+)

57 Battery Output 12 VDC (+)

58 Battery Output 12 VDC (+)

***CN19***

Entry Door Close Motor Output 12 VDC (+)

Entry Door Open Motor Output 12 VDC (+)

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## RCT-01760-O – DATA CONNECTORS - J1-J2-J3

### POWER CENTER RCT-01760-O / J1-J2 TO DASH SWITCH PCB-01083 / J1-J2

- J1-01* -- Ignition (+12 VDC) (To J3-8 and J3-7) (*J2-1* Aux. 5/B Switch) (sink) (To J4-5)
  - J1-02* -- Buzzer Output (sink) (*J2-2* Aux. 6/A Switch) (sink) (To J4-4)
  - J1-03* -- Entry Door Light (sink) (To J3-6) (*J2-3* Aux 6/B Switch) (sink) (To J4-3)
  - J1-04* -- Stop Request (sink) (To J3-5) (*J2-4* Aux 7/A Switch) (sink) (To J4-2)
  - J1-05* -- Rear Door Light (sink) (To J3-4) (*J2-5* Aux. 7/B Switch) (sink) (To J4-1)
  - J1-06* -- Egress Windows (sink) (To J3-3) (*J2-6* Master Switch) (sink)
  - J1-07* -- ADA Stop Request (sink) (To J3-2) (*J2-7* Flasher Switch) (sink)
  - J1-08* -- Lift Door Light (sink) (To J3-1) (*J2-8* Battery Negative (-))
  - J1-09* -- Aux. 5/A Switch (sink) (To J4-6) (*J2-9* Clearance Light Power) (+12 VDC)
  - J1-10* -- Aux 4/B Switch (sink) (To J4-7) (*J2-10* OPEN)
  - J1-11* -- Aux. 4/A Switch (sink) (To J4-8)
  - J1-12* -- Aux 3/B Switch (sink) (To J4-9)
  - J1-13* -- Aux. 3/A Switch (sink)
  - J1-14* -- Aux. 2/A Switch (sink)
  - J1-15* -- Aux. 2/B Switch (sink)
  - J1-16* -- Aux. 1 Switch (sink)
  - J1-17* -- Lift Solenoid Switch (sink)
  - J1-18* -- Dome Light Switch (sink)
  - J1-19* -- Entry Door Close Switch (sink)
  - J1-20* -- Entry Door Open Switch (sink)
- 
- J2-01* -- Aux. 5/B Switch (sink)(J4-5)
  - J2-02* -- Aux. 6/A Switch (sink) ( To J4-4)
  - J2-03* -- Aux 6/B Switch (sink) (To J4-3)
  - J2-04* -- Aux 7/A Switch (sink) (To J4-2)
  - J2-05* -- Aux. 7/B Switch (sink) (To J4-1)
  - J2-06* -- Master Switch (sink)
  - J2-07* -- Flasher Switch (sink)
  - J2-08* -- Battery Negative (-)
  - J2-09* -- Clearance Light Power (+12 VDC)
  - J2-10* -- +12 VDC (not fused - 0-ohm resistor R47 on RCT-01760-M)

## ***J3 Connector, Indicating Lights***

- J3-1*** - Shift Lock (**sink**) @ 1 ampere maximum)
- J3-2*** - Transmission Park (**sink**) @ 1 ampere maximum)
- J3-3*** - Lift Enable (**sink**) @ 1 ampere maximum)
- J3-4*** - Park Break Set (**sink**) @ 1 ampere maximum)
- J3-5*** - Lift Door Open (**sink**) @ 1 ampere maximum)
- J3-6*** - Lift Switch On (**sink**) @ 1 ampere maximum)
- J3-7*** - Ignition (+12 VDC), switched)
- J3-8*** - Ignition (+12 VDC), switched)

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## DASH SWITCH PCB-01083

### DASH SWITCH PCB-01083/J1-J2 TO POWER CENTER RCT-01760-O/J1-J2

- J1-01* -- Ignition (+12 VDC) (To J3-8 and J3-7) (*J2-1* Aux. 5/B Switch) (sink) (To J4-5)
  - J1-02* -- Buzzer Output (sink) (*J2-2* Aux. 6/A Switch) (sink) (To J4-4)
  - J1-03* -- Entry Door Light (sink) (To J3-6) (*J2-3* Aux 6/B Switch) (sink) (To J4-3)
  - J1-04* -- Stop Request (sink) (To J3-5) (*J2-4* Aux 7/A Switch) (sink) (To J4-2)
  - J1-05* -- Rear Door Light (sink) (To J3-4) (*J2-5* Aux. 7/B Switch) (sink) (To J4-1)
  - J1-06* -- Egress Windows (sink) (To J3-3) (*J2-6* Master Switch) (sink)
  - J1-07* -- ADA Stop Request (sink) (To J3-2) (*J2-7* Flasher Switch) (sink)
  - J1-08* -- Lift Door Light (sink) (To J3-1) (*J2-8* Battery Negative (-))
  - J1-09* -- Aux. 5/A Switch (sink) (To J4-6) (*J2-9* Clearance Light Power) (+12 VDC)
  - J1-10* -- Aux 4/B Switch (sink) (To J4-7) (*J2-10* OPEN)
  - J1-11* -- Aux. 4/A Switch (sink) (To J4-8)
  - J1-12* -- Aux 3/B Switch ((sink) (To J4-9)
  - J1-13* -- Aux. 3/A Switch (sink)
  - J1-14* -- Aux. 2/A Switch (sink)
  - J1-15* -- Aux. 2/B Switch (sink)
  - J1-16* -- Aux. 1 Switch (sink)
  - J1-17* -- Lift Solenoid Switch (sink)
  - J1-18* -- Dome Light Switch (sink)
  - J1-19* -- Entry Door Close Switch (sink)
  - J1-20* -- Entry Door Open Switch (sink)
- 
- J2-01* -- Aux. 5/B Switch (sink) (To J4-5)
  - J2-02* -- Aux. 6/A Switch (sink) (To J4-4)
  - J2-03* -- Aux. 6/B Switch (sink) (To J4-3)
  - J2-04* -- Aux. 7/A Switch (sink) (To J4-2)
  - J2-05* -- Aux. 7/B Switch (sink) (To J4-1)
  - J2-06* -- Master Switch (sink)
  - J2-07* -- Flasher Switch (sink)
  - J2-08* -- Battery Negative (-)
  - J2-09* -- Clearance Light Power (+12 VDC)
  - J2-10* -- +12 VDC (not fused - 0-ohm resistor R47 on RCT-01760-M)

### ***J3 Connector, Indicating Lights***

- J3-1*** Lift Door Light, **(sink)** @ 1 ampere maxim) (From J1-8)
- J3-2*** ADA Stop Request, **(sink)** @ 1 ampere maxim) (From J1-7)
- J3-3*** Egress Windows, **(sink)** @ 1 ampere) (From J1-6)
- J3-4*** Rear Door Light, **(sink)** @ 1 ampere) (From J1-5)
- J3-5*** Stop Request, **(sink)** @ 1 ampere) (From J1-4)
- J3-6*** Entry Door Light, **(sink)** @ 1 ampere) (From J1-3)
- J3-7*** Ignition (+12 VDC), switched) (From J1-1)
- J3-8*** Ignition (+12 VDC), switched) (From J1-1)

### ***J4 Connector, Spare Relays on Power Center PCB.***

- J4-1*** Aux 7/B Switch **(sink)** (From J2-5)
- J4-2*** Aux 7/A Switch **(sink)** (From J2-4)
- J4-3*** Aux 6/B Switch **(sink)** (From J2-3)
- J4-4*** Aux 6/A Switch **(sink)** (From J2-2)
- J4-5*** Aux 5/B Switch **(sink)** (From J2-1)
- J4-6*** Aux 5/A Switch **(sink)** (From J1-9)
- J4-7*** Aux 4/B Switch **(sink)** (From J1-10)
- J4-8*** Aux 4/A Switch **(sink)** (From J1-11)
- J4-9*** Aux 3/B Switch **(sink)** (From J1-12)
- J4-10*** Battery Negative (-)

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## INDICATOR LIGHTS PCB-01010-J3 TO POWER CENTER RCT-01760-O / J3

1. Shift Lock. **(sink)** @ 1 ampere maximum
2. Transmission Park. **(sink)** @ 1 ampere maximum
3. Lift Enable. **(sink)** @ 1 ampere maximum
4. Park Brake Set. **(sink)** @ 1 ampere maximum
5. Lift Door Open. **(sink)** @ 1 ampere maximum
6. Lift Switch On. **(sink)** @ 1 ampere maximum
7. Ignition (+12 VDC, switched)
8. Ignition (+12 VDC, switched)

## FACEPLATE NOMENCLATURE LEFT TO RIGHT ON PCB-01010

1. LIFT SWITCH
2. PARK BRAKE
3. IN PARK
4. SHIFT LOCK
5. LIFT DOOR
6. LIFT ENABLED

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## SWITCH CENTER RCT-01083 / J3 CONNECTION TO PCB-01010

1. Lift Door Light, **(sink)** @ 1 ampere maximum
2. ADA Stop Request, **(sink)** @ 1 ampere maximum
3. Egress Windows, **(sink)** @ 1 ampere maximum
4. Rear Door Light, **(sink)** @ 1 ampere maximum
5. Stop Request, **(sink)** @ 1 ampere maximum
6. Entry Door Light, **(sink)** @ 1 ampere maximum
7. Ignition (+12 VDC, switched)
8. Ignition (+12 VDC, switched)

## PCB-01010 RENAMED

1. Shift Lock to; "ADA STOP"
2. In Park to; "LIFT DOOR"
3. Lift Enabled to; "ENTRY DOOR"
4. Park Brake to; "STOP REQUEST"
5. Lift Door to; "REAR DOOR"
6. Lift Switch to; "EGRESS WINDOW"

## PCB-01083 FACEPLATE RENAME LEFT TO RIGHT

1. EGRESS WINDOW
2. STOP REQUEST
3. LIFT DOOR
4. ADA STOP
5. REAR DOOR
6. ENTRY DOOR

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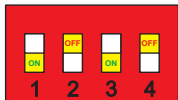
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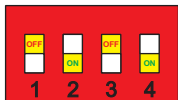
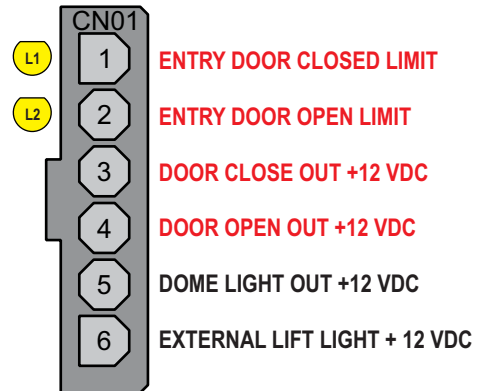
## RCT-01760/Q DIP SWITCH A, ELECTRIC DOOR OPEN AND CLOSE SETTING.

Wednesday, April 22, 2026

D/SWA-1 (ON): Travel Limit, Internal Ground Input @ CN01/1, "Entry Door is Closed". **- NO CONNECTION.**  
D/SWA-2 (OFF): Removes the ability to Limit Travel @ CN01/1, "Entry Door is Closed". **- NO CONNECTION.**  
D/SWA-3 (ON): Travel Limit, Internal Ground Input @ CN01/2, "Entry Door is Open". **- NO CONNECTION.**  
D/SWA-4 (OFF): Removes the ability to Limit Travel @ CN01/2, "Entry Door is Open". **- NO CONNECTION.**



D/SWA-1 LC (INTERNAL LIMIT, "DOOR CLOSED")  
D/SWA-2 SC (SELF LIMITING, "DOOR CLOSE") (USED WITH CURRENT LIMITING MOTOR CONTROL)  
D/SWA-3 LO (INTERNAL LIMIT, "DOOR OPEN")  
D/SWA-4 SO (SELF LIMITING, "DOOR OPEN") (USED WITH CURRENT LIMITING MOTOR CONTROL)



D/SWA-1 LC (EXTERNAL LIMIT, "DOOR CLOSED")  
D/SWA-2 SC (SELF LIMITING, "DOOR CLOSE") (USED WITH CURRENT LIMITING MOTOR CONTROL)  
D/SWA-3 LO (EXTERNAL LIMIT, "DOOR OPEN")  
D/SWA-4 SO (SELF LIMITING, "DOOR OPEN") (USED WITH CURRENT LIMITING MOTOR CONTROL)

D/SWA-1 (OFF): Travel Limit, External Ground Input, @ CN01/1, "Entry Door is Closed". **SINK TO LIMIT.**  
D/SWA-2 (ON): Provides the ability to Limit Travel @ CN01/1, "Entry Door is Closed". **SINK TO LIMIT.**  
D/SWA-3 (OFF): Travel Limit, External Ground Input, @ CN01/2, "Entry Door is Open". **SINK TO LIMIT.**  
D/SWA-4 (ON): Provides the ability to Limit Travel @ CN01/2, "Entry Door is Open". **SINK TO LIMIT.**

### LOCATION: CN11 & CN01, TOP LEFT OF RCT-01760/Q

- NOTE: D/SW-A; Switches 1 & 3 "ON" and Switches 2 & 4 "OFF" to operate door with, "**INTERNAL LIMIT SWITCH**" connected to CN01-1 "Limit Door Close" and CN01-2 "Limit Door Open".
- NOTE: D/SW-A; Switches 2 & 4 "ON" and Switches 1 & 3 "OFF", to operate door with, "**EXTERNAL LIMIT SWITCH**" connected to CN01-1 "Limit Door Close" and CN01-2 "Limit Door Open".
- Motor Outputs, CN01-3 "Door Close" and CN1-4 "Door Open". (Rated 12 vdc 30 amperes.)**

#### NOTE:

**PROTRUDING WHITE DIP-SWITCH TABS ARE SHOWN IN WHITE.  
"ON & OFF" IS DEFINED IN GREEN & RED ON YELLOW BACKGROUND.**

#### NOTE:

**"DOME LIGHT", OPERATE WITH D/SWD-3, "ON"**

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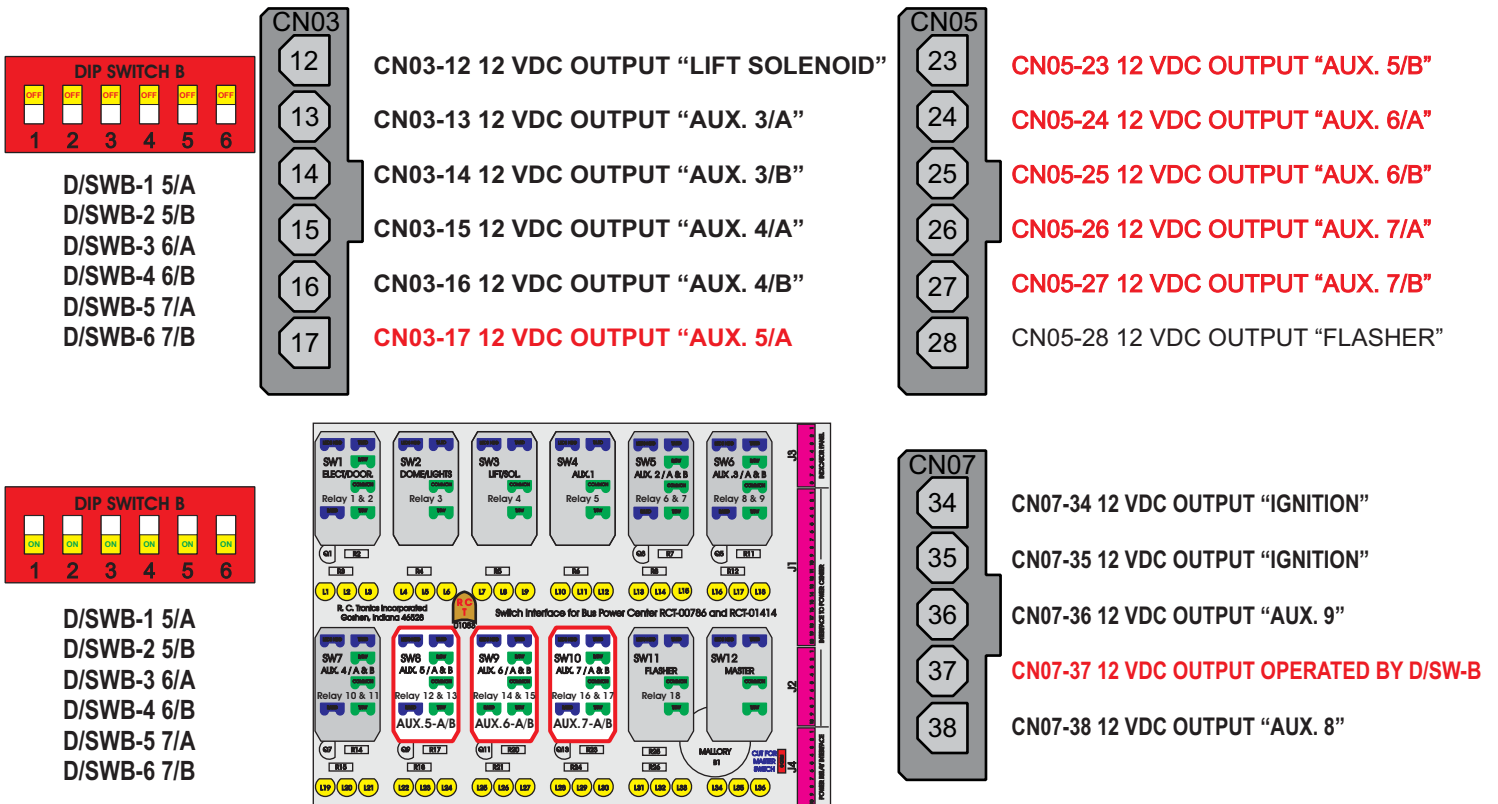
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## RCT-01760/Q DIP-M SWITCH B, AUX 5-6-7 A & B ADD CN07-37 SETTING.

Wednesday, April 22, 2026

D/SWB-1 (OFF): CN03-17 12 VDC Output, Aux. 5/A - **no output @** CN07-37 +12 VDC DISABLED.  
D/SWB-2 (OFF): CN05-23 12 VDC Output, Aux. 5/B - **no output @** CN07-37 +12 VDC DISABLED.  
D/SWB-3 (OFF): CN05-24 12 VDC Output, Aux. 6/A - **no output @** CN07-37 +12 VDC DISABLED.  
D/SWB-4 (OFF): CN05-25 12 VDC Output, Aux. 6/B - **no output @** CN07-37 +12 VDC DISABLED.  
D/SWB-5 (OFF): CN05-26 12 VDC Output, Aux. 7/A - **no output @** CN07-37 +12 VDC DISABLED.  
D/SWB-6 (OFF): CN05-27 12 VDC Output, Aux. 7/B - **no output @** CN07-37 +12 VDC DISABLED.



D/SWB-1 (ON): CN03-17 12 VDC Output "Aux. 5/A / **output at** / CN07-37 +12 VDC ENABLED.  
D/SWB-2 (ON): CN05-23 12 VDC Output "Aux. 5/B / **output at** / CN07-37 +12 VDC ENABLED.  
D/SWB-3 (ON): CN05-24 12 VDC Output "Aux. 6/A / **output at** / CN07-37 +12 VDC ENABLED.  
D/SWB-4 (ON): CN05-25 12 VDC Output "Aux. 6/B / **output at** / CN07-37 +12 VDC ENABLED.  
D/SWB-5 (ON): CN05-26 12 VDC Output "Aux. 7/A / **output at** / CN07-37 +12 VDC ENABLED.  
D/SWB-6 (ON): CN05-27 12 VDC Output "Aux. 7/B / **output at** / CN07-37 +12 VDC ENABLED.

### LOCATED: 1/3 DOWN RIGHT SIDE OF RCT-01760/Q

- NOTE: This circuit was designed to accommodate up to three heating zones and output 12 volt output to a pump, (CN07-37) so as to provide heating, front, center and rear of the vehicle seating sections. In addition utilizing balance of dash mounted switches in event of single or double zoned heating arrangements.

#### NOTE:

**PROTRUDING WHITE DIP-SWITCH TABS ARE SHOWN IN WHITE.**  
**"ON & OFF" IS DEFINED IN GREEN & RED ON YELLOW BACKGROUND.**

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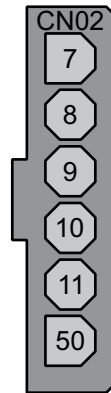
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## RCT-01760/Q DIP SWITCH C, "SHIFT-LOCK" with, "LIFT SWITCH" and "PARK-BRAKE SWITCH". Wednesday, April 22, 2026



D/SWC-1 SHIFT-LOCK W / LIFT SWITCH  
D/SWC-2 SHIFT-LOCK W / PARK BRAKE



CN02-7 12 VDC OUTPUT "AUX. 1"

CN02-8 12 VDC OUTPUT "AUX. 2/A"

CN02-9 12 VDC OUTPUT "AUX. 2/B"

**CN02-10 NORMALLY CLOSED CONTACT "SHIFT LOCK"**

**CN02-11 NORMALLY OPEN CONTACT "SHIFT LOCK"**

**CN02-50 COMMON "SHIFT LOCK"**

1. NOTE: Circuit designed to lock vehicle, "Shift Lock" so that transmission cannot be removed from, "Park".
- 2 D/SW-1, "Lift Switch" is set "ON" and/or D/SW-2, "Park Brake" is set "ON".
- 3 Isolated contacts, CN02-50 (common), CN02-11 (normally open) and CN02-10 (normally closed) reverse contact state in reference to common.
- 2 Wiring to be accomplished by technician an by vehicle manufacture specifications

### DIP SWITCH C LOCATED: 2/3 DOWN LEFT SIDE OF RCT-01760/Q

#### NOTE:

*PROTRUDING WHITE DIP-SWITCH TABS ARE SHOWN IN WHITE.  
"ON & OFF" IS DEFINED IN GREEN & RED ON YELLOW BACKGROUND.*

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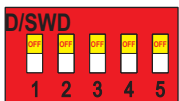
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## RCT-01760/Q DIP SWITCH D, ENTRY DOOR-REAR DOOR-DOME LIGHT-LIFT DOOR SETTING.

Wednesday, April 22, 2026

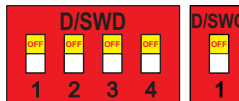
D/SWD-1 "ON", Inhibits operation of "Entry Door" open without "Transmission in Park", CN04-21, Led "ON".  
D/SWD-1 "OFF", "Entry Door" operates without "Transmission in Park", CN04-21, Led "OFF".  
D/SWD-2 "ON", "Rear Door" open @ CNO4-18, will lock Ignition System "ON", with Red Led with Buzzer.  
D/SWD-2 "OFF", "Rear Door" open, @ CN04-18 will not lock Ignition System, "ON".  
D/SWD-3 "ON", Inhibits operation of interior, "Dome Lights", with operation of, "Entry Door".  
D/SWD-3 "OFF", Enables operation of interior, "Dome Lights", with operation of, "Entry Door".  
D/SWD-4 "ON", "Lift Door" open @ CN04-22, will lock Ignition System "ON", with Red Led with Buzzer.  
D/SWD-4 "OFF", Lift Door" open, @ CN04-22 will not lock Ignition System "ON".  
D/SWD-5 "ON", "Rear Door Unlock" @ CN10/46 will lock Ignition System, "ON", with Red Led.  
D/SWD-5 "OFF", "Rear Door Unlock" @ CN10/46 will not lock Ignition System, "ON".

RCT-01760/Q AND ABOVE

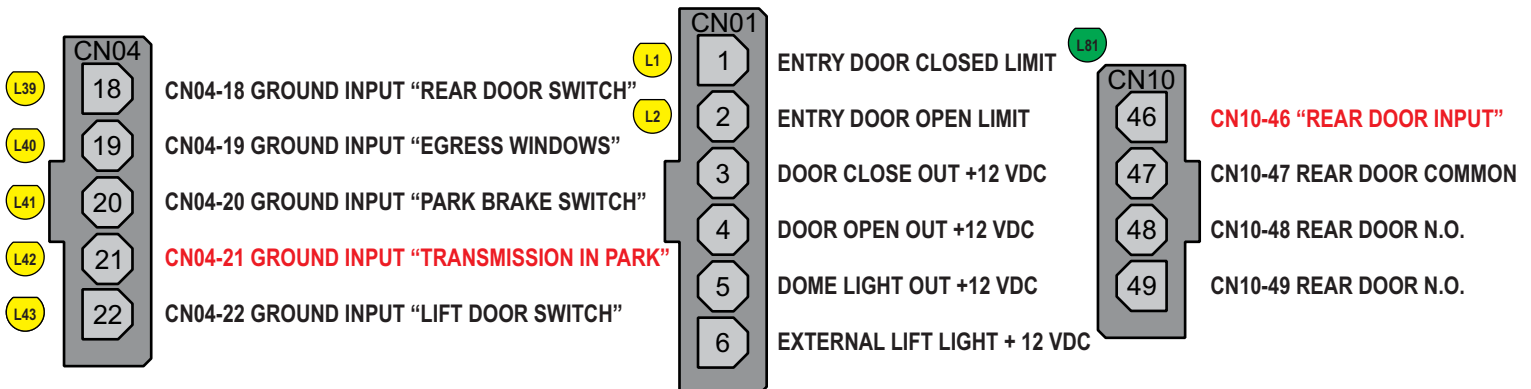


D/SWD-1 ENTRY DOOR INHIBIT  
D/SWD-2 REAR DOOR SYSTEM OFF  
D/SWD-3 DOME TIME OFF INHIBIT RLY3  
D/SWD-4 LIFT DOOR SYSTEM INHIBIT  
D/SWD-5 REAR DOOR UNLOCKED, SYSTEM INHIBIT

RCT-01760/P AND BELOW



D/SWD-1 ENTRY DOOR INHIBIT  
D/SWD-2 REAR DOOR SYSTEM OFF  
D/SWD-3 DOME TIME OFF INHIBIT RLY3  
D/SWD-4 LIFT DOOR SYSTEM INHIBIT  
D/SWG-5 REAR DOOR UNLOCKED, SYSTEM INHIBIT



### LOCATION: TOP LEFT CENTER OF RCT-01760/Q

- NOTE: "System Lock" will not permit, shut a system shut down, either by removing "Master Switch" or "Ignition". "Rear Door" and/or "Lift Door" must be checked and secured.
- NOTE: "Entry Door" with "Entry Door Inhibit", D/SW-1 (ON) a sink input is at, "Transmission in Park", CN04-21, Led "ON". This ensures that the vehicle cannot move during passenger loading.

**NOTE:**  
**PROTRUDING WHITE DIP-SWITCH TABS ARE SHOWN IN WHITE.**  
**"ON & OFF" IS DEFINED IN GREEN & RED ON YELLOW BACKGROUND.**

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## RCT-01760/Q DIP SWITCH E, LIFT DOOR-ENTRY DOOR-REAR DOOR ON OFF SETTING.

Wednesday, April 22, 2026

D/SWE-1 (ON): “Flasher Switch ON”, constant output at CN05-28.

D/SWE-1 (OFF): “Flasher Switch ON”, alternating output at CN05-28.

D/SWE-2 (ON): “Flasher Switch OFF”, input CN04-22 “Lift Door Switch”, alternating output at CN05-28.

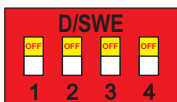
D/SWE-2 (OFF): “Flasher Switch OFF”, input CN04-22 “Lift Door Switch”, inhibits output at CN05-28.

D/SWE-3 (ON): “Flasher Switch OFF”, with CN11-04 “Entry Door Open”, alternating output at CN05-28.

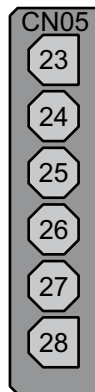
D/SWE-3 (OFF): “Flasher Switch OFF” with CN11-04 “Entry Door Open”, inhibits output at CN05-28.

D/SWE-4 (ON): “Flasher Switch OFF” input CN04-18 “Rear Door Switch”, alternating output at CN05-28.

D/SWE-4 (OFF): “Flasher Switch OFF” input CN04-18 “Rear Door Switch”, inhibits output at CN05-28.



D/SWE-1 FLASHER OFF  
D/SWE-2 LIFT DOOR FLASHER OFF  
D/SWE-3 ENTRY DOOR FLASHER OFF  
D/SWE-4 REAR DOOR FLASHER OFF



CN05-23 12 VDC OUTPUT “AUX. 5/B”

CN05-24 12 VDC OUTPUT “AUX. 6/A”

CN05-25 12 VDC OUTPUT “AUX. 6/B”

CN05-26 12 VDC OUTPUT “AUX. 7/A”

CN05-27 12 VDC OUTPUT “AUX. 7/B”

**CN05-28 12 VDC OUTPUT “FLASHER”**

### LOCATION: RIGHT SIDE CENTER OF RCT-01760/Q

1. NOTE: D/SWE-1 (OFF) provides constant output at CN05-28, with D/SWE-2 (ON) “Lift Door Switch”, D/SWE-3 (ON) “Entry Door Switch”, and/or D/SWE-4 (ON) “Rear Door Switch”.
2. NOTE: With D/SWITCH E 1 thru 4 “OFF”, output CN05-28 may be used as a normal output.

#### **NOTE:**

**PROTRUDING WHITE DIP-SWITCH TABS ARE SHOWN IN WHITE.  
“ON & OFF” IS DEFINED IN GREEN & RED ON YELLOW BACKGROUND.**

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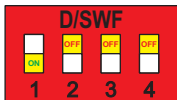
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## RCT-01760/Q DIP SWITCH F “ADA” AND STOP REQUEST MAINTAINED OR MOMENTARY. Wednesday, April 22, 2026

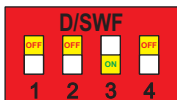
### ADA, “STOP REQUEST”, D/SWF SETTINGS

D/SW-F Switch 1 “ON” & Switch 3 “OFF” momentary input @ CN07-39, alternating buzzer – continuous.



D/SWF-1 “ADA STOP REQUEST”, with “MOMENTARY INPUT” @ CN08-39 “ALTERNATING BUZZER CONTINUOUS”, *cancels with lift door opening @ CN04-22.*  
D/SWF-2 “STOP REQUEST”, with “MOMENTARY INPUT” @ CN08-40, “MAINTAINED BUZZER” WITH INPUT ONLY”, *cancels with input removal @ CN08-40.*  
D/SWF-3 “ADA STOP REQUEST”, with “MOMENTARY INPUT” @ CN08-39, “ALTERNATING BUZZER” WITH INPUT ONLY”, *cancels with input removal @ CN08-39.*  
D/SWF-4 “STOP REQUEST”, with “MOMENTARY INPUT @ CN08-40”, MAINTAIN BUZZER CONTINUOUS”, *cancels with passenger door opening.*

D/SW-F Switch 1 “OFF” & Switch 3 “ON” momentary input @ CN07-39, alternating buzzer with input only.

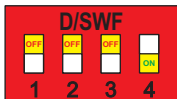


D/SWF-1 “ADA STOP REQUEST”, with “MOMENTARY INPUT” @ CN08-39 “ALTERNATING BUZZER CONTINUOUS”, *cancels with lift door opening @ CN04-22.*  
D/SWF-2 “STOP REQUEST”, with “MOMENTARY INPUT” @ CN08-40, “MAINTAINED BUZZER” WITH INPUT ONLY”, *cancels with input removal @ CN08-40.*  
D/SWF-3 “ADA STOP REQUEST”, with “MOMENTARY INPUT” @ CN08-39, “ALTERNATING BUZZER” WITH INPUT ONLY”, *cancels with input removal @ CN08-39.*  
D/SWF-4 “STOP REQUEST”, with “MOMENTARY INPUT @ CN08-40”, MAINTAIN BUZZER CONTINUOUS”, *cancels with passenger door opening.*

D/SW-F Switch 1 & 3 “OFF”, “NO AUDIBLE ALARM” for “ADA STOP REQUEST”.

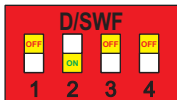
### PASSANGER, “STOP REQUEST”, D/SWF SETTINGS

D/SW-F Switch 2 “OFF” & Switch 4 “ON”, momentary input @ CN07-40, continuous buzzer – continuous



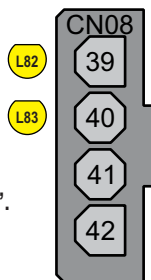
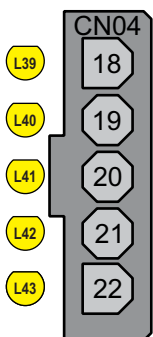
D/SWF-1 “ADA STOP REQUEST”, with “MOMENTARY INPUT” @ CN08-39 “ALTERNATING BUZZER CONTINUOUS”, *cancels with lift door opening @ CN04-22.*  
D/SWF-2 “STOP REQUEST”, with “MOMENTARY INPUT” @ CN08-40, “MAINTAINED BUZZER” WITH INPUT ONLY”, *cancels with input removal @ CN08-40.*  
D/SWF-3 “ADA STOP REQUEST”, with “MOMENTARY INPUT” @ CN08-39, “ALTERNATING BUZZER” WITH INPUT ONLY”, *cancels with input removal @ CN08-39.*  
D/SWF-4 “STOP REQUEST”, with “MOMENTARY INPUT @ CN08-40”, MAINTAIN BUZZER CONTINUOUS”, *cancels with passenger door opening.*

D/SW-F Switch 2 “ON” & Switch 4 “OFF”, momentary input @ CN07-39, continuous buzzer with input only.



D/SWF-1 “ADA STOP REQUEST”, with “MOMENTARY INPUT” @ CN08-39 “ALTERNATING BUZZER CONTINUOUS”, *cancels with lift door opening @ CN04-22.*  
D/SWF-2 “STOP REQUEST”, with “MOMENTARY INPUT” @ CN08-40, “MAINTAINED BUZZER” WITH INPUT ONLY”, *cancels with input removal @ CN08-40.*  
D/SWF-3 “ADA STOP REQUEST”, with “MOMENTARY INPUT” @ CN08-39, “ALTERNATING BUZZER” WITH INPUT ONLY”, *cancels with input removal @ CN08-39.*  
D/SWF-4 “STOP REQUEST”, with “MOMENTARY INPUT @ CN08-40”, MAINTAIN BUZZER CONTINUOUS”, *cancels with passenger door opening.*

D/SW-F Switch 2 & 4 “OFF”, “NO AUDIBLE ALARM” for “STOP REQUEST”.



### LOCATION: BOTTOM LEFT SIDE OF RCT-01760/Q

- NOTE: “ADA STOP REQUEST”, at input CN08-39, latches audible buzzer, cancels only with input at “LIFT DOOR SWITCH”, CN04-22.
- NOTE: “PASSENGER STOP REQUEST”, at input CN08-40, latches audible buzzer, cancels only with operation of dash mounted, “Door Open and Close Switch”.

#### NOTE:

**PROTRUDING WHITE DIP-SWITCH TABS ARE SHOWN IN WHITE.  
“ON & OFF” IS DEFINED IN GREEN & RED ON YELLOW BACKGROUND.**

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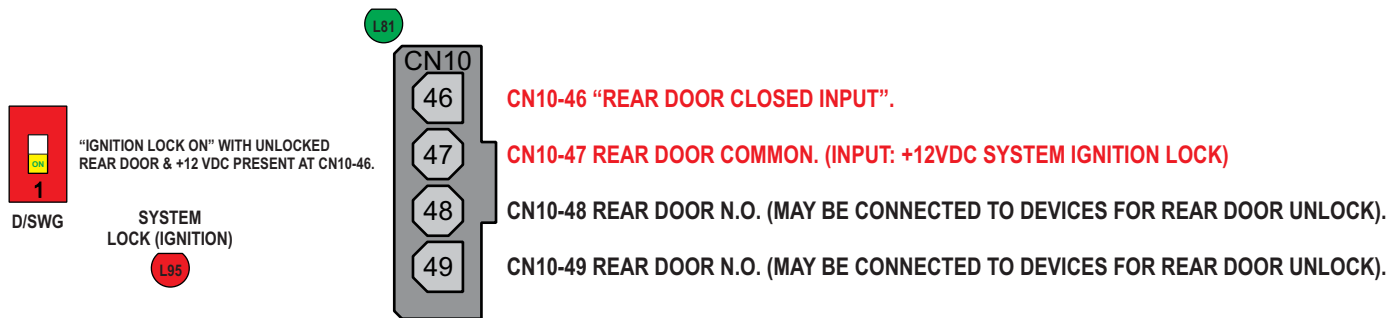
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## RCT-01760/P DIP SWITCH G IGNITION LOCK WITH UNLOCKED, REAR DOOR.

Wednesday, April 22, 2026

D/SW-G: Switch 1 "ON", "LOCKS IGNITION ON" and "SYSTEM LOCK, RED LED L95" when 12vdc is present at CN10-47, "REAR DOOR UNLOCKED".

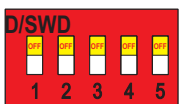


### LOCATION: RIGHT TOP SIDE OF RCT-01760/P

- NOTE: Green Led L81 "ON" indicates, "REAR DOOR LOCKED".

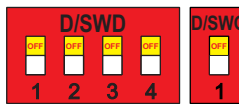
### NOTE: RCT-01760/Q AND ABOVE WAS CHANGED ELIMINATING D/SWG

RCT-01760/Q AND ABOVE



D/SWD-1 ENTRY DOOR INHIBIT  
 D/SWD-2 REAR DOOR SYSTEM OFF  
 D/SWD-3 DOME TIME OFF INHIBIT RLY3  
 D/SWD-4 LIFT DOOR SYSTEM INHIBIT  
 D/SWD-5 REAR DOOR UNLOCKED, SYSTEM INHIBIT

RCT-01760/P AND BELOW



D/SWD-1 ENTRY DOOR INHIBIT  
 D/SWD-2 REAR DOOR SYSTEM OFF  
 D/SWD-3 DOME TIME OFF INHIBIT RLY3  
 D/SWD-4 LIFT DOOR SYSTEM INHIBIT  
 D/SWG-5 REAR DOOR UNLOCKED, SYSTEM INHIBIT

#### NOTE:

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 "ON & OFF" IS DEFINED IN GREEN & RED ON YELLOW BACKGROUND.

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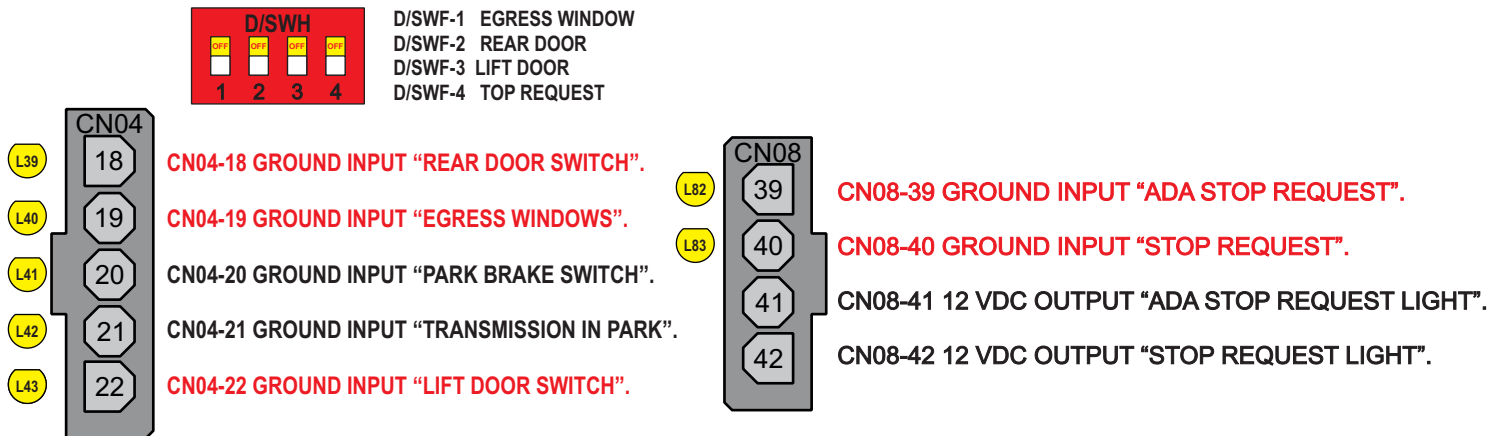
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**RCT-01760/Q Dip Switch H Buzzer with Egress Window, Rear Door, Lift Door, Stop Request.**  
Wednesday, April 22, 2026

## EGRESS WINDOW, REAR DOOR, LIFT DOOR, ADA STOP REQUEST SETTINGS

- D/SW-H Switch 1 “OFF”, “Egress Window”, no monitoring with audible alarm at CN04-19.
- D/SW-H Switch 1 “ON”, “Egress Window”, monitoring with audible alarm at CN04-19.
- D/SW-H Switch 2 “OFF”, “Rear Door”, no monitoring with audible alarm at CN04-18.
- D/SW-H Switch 2 “ON”, “Rear Door”, monitoring with audible alarm at CN04-18.
- D/SW-H Switch 3 “OFF”, “Lift Door”, no monitoring with audible alarm at CN04-22.
- D/SW-H Switch 3 “ON”, “Lift Door”, monitoring with audible alarm at CN04-22.
- D/SW-H Switch 4 “OFF”, “ADA & Stop Request”, inhibits audible alarm at CN08-39 and CN08-40.
- D/SW-H Switch 4 “ON”, “ADA & Stop Request”, enables audible alarm at CN08-39 or CN08-40.



## LOCATION: BOTTOM LEFT SIDE OF RCT-01760/Q

1. NOTE: Switch 4 “OFF”, inhibits audible alarms from “ADA CN08-39” and “Stop Request CN08-40”.
2. NOTE: Switch 4 “ON” enables audible alarms from “ADA CN08-39” or “Stop Request CN08-40”.

**NOTE:**  
**PROTRUDING DIP-SWITCH TABS ARE ADJUSTMENT TABS SHOWN IN BLACK.**  
**“ON & OFF” IS DEFINED IN BLACK ON WHITE BACKGROUND.**

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[dchiddister@rctronics.com](mailto:dchiddister@rctronics.com)

## POWER CENTER RCT-01760 DATA CABLE

J1 and J2, Cable Interface between Power Center PCB and Dash Switch PCB

*J1-01* -- Ignition (+12 VDC) ---(To J3-8 and J3-7)  
*J1-02* -- Buzzer Output (NEGATIVE) (sink)  
*J1-03* -- Entry Door Light (NEGATIVE) (sink) ---(To J3-6)  
*J1-04* -- Stop Request (NEGATIVE) (sink) ---(To J3-5)  
*J1-05* -- Rear Door Light (NEGATIVE) (sink) ---(To J3-4)  
*J1-06* -- Egress Windows (NEGATIVE) (sink) ---(To J3-3)  
*J1-07* -- ADA Stop Request (NEGATIVE) (sink)--- (To J3-2)  
*J1-08* -- Lift Door Light (NEGATIVE) (sink) ---(To J3-1)  
*J1-09* -- Aux. 5/A Switch (NEGATIVE) (sink) ---(To J4-6)  
*J1-10* -- Aux 4/B Switch (NEGATIVE) (sink) (---To J4-7)  
*J1-11* -- Aux. 4/A Switch (NEGATIVE) (sink) --- (To J4-8)  
*J1-12* -- Aux 3/B Switch (NEGATIVE) (sink) (---To J4-9)  
*J1-13* -- Aux. 3/A Switch (NEGATIVE) (sink)  
*J1-14* -- Aux. 2/A Switch (NEGATIVE) (sink)  
*J1-15* -- Aux. 2/B Switch (NEGATIVE) (sink)  
*J1-16* -- Aux. 1 Switch (NEGATIVE) (sink)  
*J1-17* -- Lift Solenoid Switch (NEGATIVE) (sink)  
*J1-18* -- Dome Light Switch (NEGATIVE) (sink)  
*J1-19* -- Entry Door Close Switch (NEGATIVE) (sink)  
*J1-20* -- Entry Door Open Switch (NEGATIVE) (sink)

*J2-01* -- Aux. 5/B Switch (NEGATIVE) (sink) --- (To J4-5)  
*J2-02* -- Aux. 6/A Switch (NEGATIVE) (sink) --- (To J4-4)  
*J2-03* -- Aux 6/B Switch (NEGATIVE) (sink) --- (To J4-3)  
*J2-04* -- Aux 7/A Switch (NEGATIVE) (sink) --- (To J4-2)  
*J2-05* -- Aux. 7/B Switch (NEGATIVE) (sink) --- (To J4-1)  
*J2-06* -- Master Switch (NEGATIVE) (sink)  
*J2-07* -- Flasher Switch (NEGATIVE) (sink)  
*J2-08* -- Battery Negative (-)  
*J2-09* -- Clearance Light Power (+12 VDC)  
*J2-10* -- OPEN

## J3 Connector, Indicating Lights

*J3-1* Shift Lock (NEGATIVE) (sink) @ 1 ampere  
*J3-2* Transmission Park (NEGATIVE) (sink) @ 1 ampere  
*J3-3* Lift Enabled (NEGATIVE) (sink) @ 1 ampere  
*J3-4* Park Brake (NEGATIVE) (sink) @ 1 ampere

**J3-5** Lift Door Open (**NEGATIVE**) (**sink**) @ 1 ampere

**J3-6** Lift Switch On (**NEGATIVE**) (**sink**) @ 1 ampere

**J3-7** Ignition (**+12 VDC**), switched)

**J3-8** Ignition (**+12 VDC**), switched)



# R. C. Tronics Incorporated

2573 East Kercher Road  
Goshen, Indiana 46528  
Toll Free 1-866-457-7790

**DAT-01348-XXXXX**  
**08 Conductor Data Cable**

Phone 1-574-642-3857  
Fax 1-574-642-3858  
<http://www.rctronics.com>

Viewed with Tyco Connector Plug-In Face Down.



**Carol C-2465, 22 AWG, Stranded 7/30/8, unshielded eight conductor cable.**  
**Cut each jacket end 4 inches long, remove jacket on each end. Add heatshrink with DAT part number.**

**Requires two (2) Tyco/Amp. 643814-8 connector & Tyco/Amp. 643075-8 end cap.**  
**Place connector into insertion equipment, start with #8 and complete with #1**

## CHECK CABLE WITH CABLE CHECKER

**#1 BLACK, #2 RED, #3 GREEN, #4 BROWN,**

**#5 BLUE, #6, ORANGE, #7 YELLOW, #8 WHITE**

D  
A  
T

1st three Letters = Data Cable

0  
0  
0  
0  
0

2nd five numbers = Print Number

0  
0

3rd two numbers = Configuration

0  
0

4th two numbers = Length In Feet

0

5th last digit = Length In Inches

# R. C. Tronics Incorporated

2573 East Kercher Road  
Goshen, Indiana 46528  
Toll Free 1-866-457-7790

**DAT-01349-06XXX**  
**10 Conductor Data Cable**

Phone 1-574-642-3857  
Fax 1-574-642-3858  
<http://www.rctronics.com>

Viewed with Tyco Connector Plug-In Face Down.



**DAT-01349-06006 (6 Inch)**

**Carol C-9540, 24 AWG, Stranded 7/32/10,**

**Foil 24 AWG Gnd shielded ten conductor cable.**

**Cut each jacket end 4 inches long, remove jacket on each end.**

**Add heatshrink with DAT part number.**

**Requires one (1) Tyco/Amp. 1-643814-0 connector & Tyco/Amp. 1-643075-0 end cap.**

**Place connector into insertion equipment, start with #10 and complete with #1**

**#1 GREY, #2 VIOLET, #3 BLACK, #4 RED, #5 GREEN**

**#6 BROWN, #7 BLUE, #8 ORANGE, #9 YELLOW, #10 WHITE**

D  
A  
T

1st three Letters = Data Cable

0  
0  
0  
0  
0

2nd five numbers = Print Number

0  
0

3rd two numbers = Configuration

0  
0

4th two numbers = Length In Feet

0

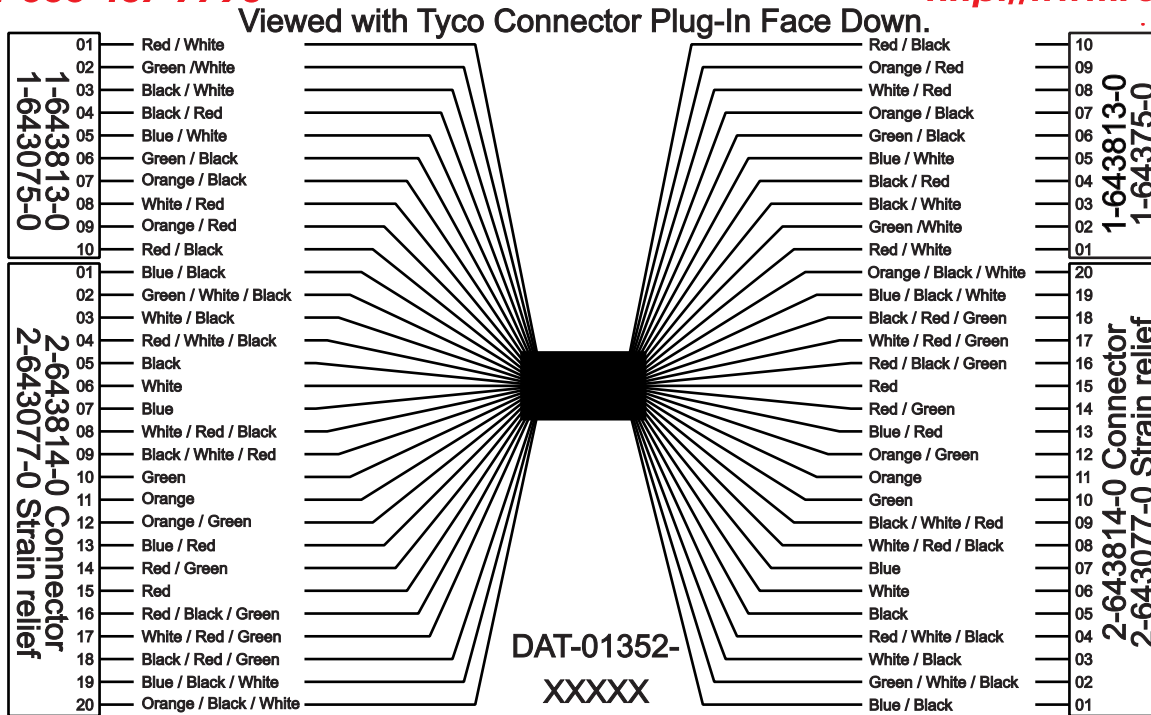
5th last digit = Length In Inches

# R. C. Tronics Incorporated

2573 East Kercher Road  
Goshen, Indiana 46528  
Toll Free 1-866-457-7790

## DAT-01352-XXXXX 30 Conductor Data Cable

Phone 1-574-642-3857  
Fax 1-574-642-3858  
<http://www.rctronics.com>



**CVA-240730, Belden 9544 or Carol C-0749, 24 AWG,  
Stranded 7/32/30, Foil 24 AWG Gnd shielded thirty conductor cable.**

**Cut each jacket end 4 inches long, remove jacket on each end.**

**Add heatshrink with DAT part number.**

**Cut 3/4 inch of 1/2 inch heat shrink, place over cut cable jacket, shrink with heat gun.**

**Requires two (2) Tyco/Amp. 1-643814-0 connector & Tyco/Amp. 1-643075-0 end cap.**

**Requires two (2) Tyco/Amp. 2-643814-0 connector & Tyco/Amp. 2-643075-0 end cap**

**Place connector into insertion equipment, start with #30 and complete with #1**

**Terminate with .250 female tab on one end only.**

### CHECK CABLE WITH CABLE CHECKER

**#1 RED/WHITE, #2 GREEN/WHITE, #3 BLACK/WHITE, #4 BLACK/RED, #5 BLUE/WHITE#6 GREEN/BLACK,  
#7 ORANGE/BLACK, #8 WHITE/RED, #9 ORANGE/RED, #10 RED/BLACK#11 BLUE/BLACK,  
#12 GREEN/WHITE/BLACK, #13 WHITE/BLACK, #14 RED/WHITE/BLACK#15 BLACK, #16 WHITE, #17 BLUE,  
#18 WHITE/RED/BLACK #19 BLACK/WHITE/RED#20 GREEN, #21 ORANGE, #22 ORANGE/GREEN,  
#23 BLUE/RED, #24 RED/GREEN, #25 RED#26 RED/BLACK/GREEN, #27 WHITE/RED/GREEN,  
#28 BLACK/RED/GREEN, #29 BLUE/BLACK/WHITE, #30 ORANGE/BLACK/WHITE**

D  
A  
T  
  
0  
0  
0  
0  
0  
  
0  
0  
0  
0  
0  
  
0  
0  
0  
0  
0

1st three Letters = Data Cable

2nd five numbers = Print Number

3rd two numbers = Configuration

4th two numbers = Length In Feet

5th last digit = Length In Inches

# *R. C. Tronics, Incorporated*

2573 East Kercher Road  
Goshen, Indiana 46528  
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Phone: 1-574-642-3857  
Facsimile: 1-574-642-3858  
<https://www.rctronics.com>

## RCT-01760-O: Trouble Shooting **"LIFT ENABLING SYSTEM"**

1. Positive +12 vdc input at, "IGNITION", CN06-31
2. Negative signal at, "PARK BRAKE SWITCH", CN04-20, (Amber Led, on).
3. Negative signal at, "TRANSMISSION PARK", CN04-21, (Amber Led, on).
4. Negative signal at, "LIFT DOOR SWITCH", CN04-22, (Amber Led, on).
5. Place, "LIFT SWITCH", "ON", located on dash switch assembly, J1-17 sink.
6. Positive output to, "LIFT SOLENOID", CN03-12
7. Open fuse L194 Red Led L2, should be "OFF".
8. Relay energized F25, Amber Led L79, should be "ON".
9. Relay output to, "LIFT SOLENOID", CN03-12, L93 Green Led should be "ON".

NOTE: All four inputs must be present, 1 through 5 in which to produce an output at "LIFT SOLENOID", CN03-12. Monitoring Led's show status of fuse, relay coil and relay output.

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## **RCT-01760-H, ADA LIFT SYSTEM, TROUBLE-SHOOTING.**

Monday, November 20, 2023

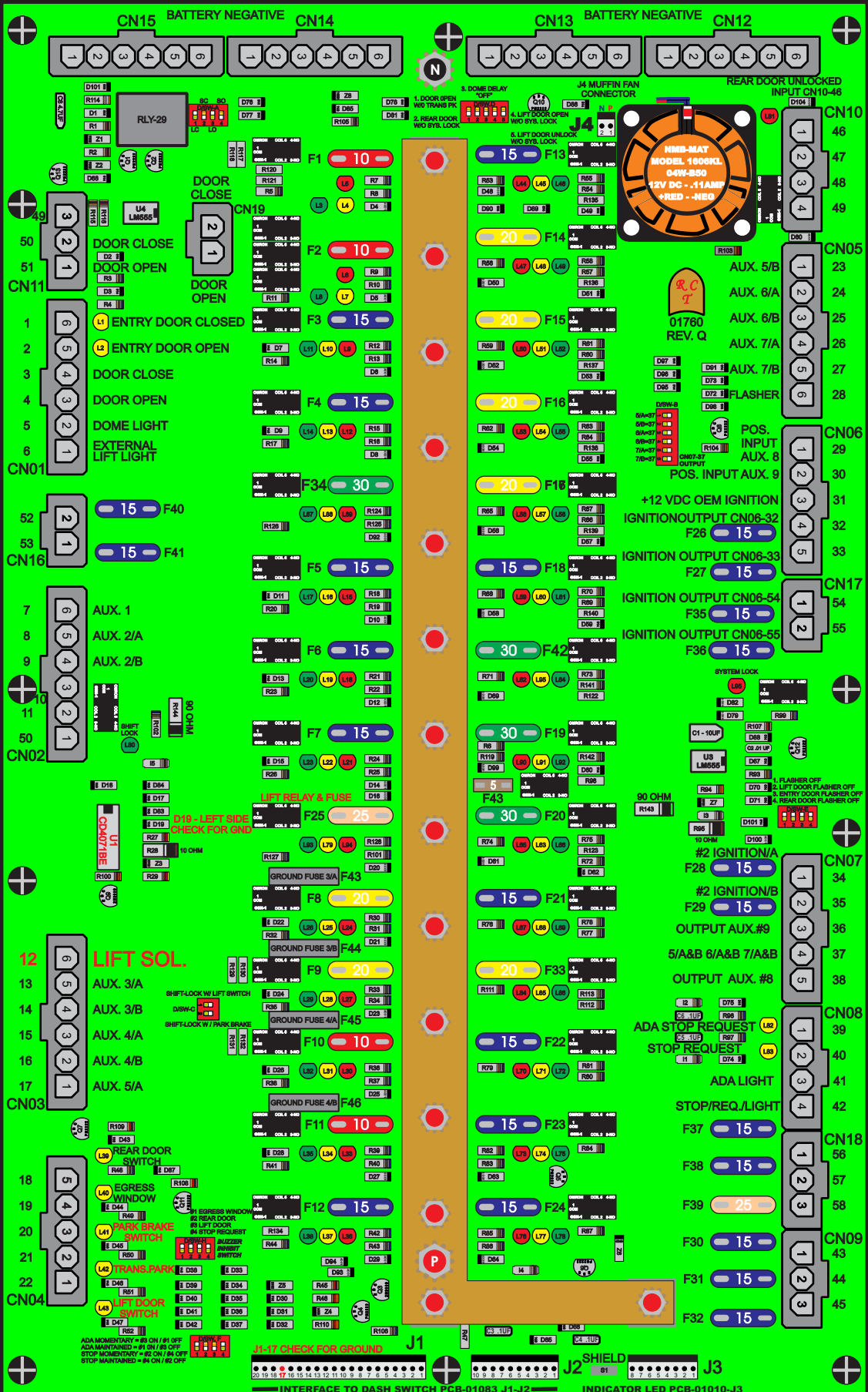
1. CN04-20, ENSURE AMBER INDICATOR ILLUMINATED (L41), **“PARK BRAKE SWITCH”**.
2. CN04-21, ENSURE AMBER INDICATOR ILLUMINATED (L42), **“TRANSMISSION PARK”**.
3. CN04-22, ENSURE AMBER INDICATOR ILLUMINATED (L43), **“LIFT DOOR OPEN”**.
4. OPERATE, **“LIFT SWITCH, “ON”**. (INPUT, J1-17 & D19, LEFT SIDE).
- 5. NOTE: GREEN LED (L93) & AMBER LED (L79) INDICATORS ILLUMINATED.**

**NOTE 1:** With all five led illuminated the control will present +12 vdc at, CN03-12, **“LIFT SOLENOID OUTPUT”**, (GREEN LED, (L93).

**NOTE 2:** **“LIFT DOOR SWITCH”**, circuit path is from switch, dash PCB to, J1-17 and then to D19, left side. This is a sink, (ground or vdc common). Check to verify if step number 5 is not present.

**NOTE 3:** With the above steps complete, inputs verified, one of two conditions exist.

- Power Supply is Defective, (VR1)
- Integrated Circuit is Defective, (U1).



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## ***RCT-01760-Q TRANSIT BUS BOOKLET***



**Custom Design of Electronic Controls**

**Printed Circuit Board Layout**

**Complete Manufacturing Facility**

**RCT Can Solve Your Electrical /Electronic Control Requirements**