# PR 4500 AC

## Service & Parts Manual



Crown PF15724-006

MidWestTech | Crown PR 4500 AC Rider Pallet Truck Service Manual & Parts Catalog | Publication PF15724_006

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# Event Codes

## Access Module Listing:

- Access 1: Display Control Module (DCM)
- Access 3: Traction Control Module (TCM)

## Some Troubleshooting Basics

**WARNING**

*Never key "ON" truck with any control connectors disconnected. In addition, never remove or connect any control connectors while the truck is keyed "ON".*

Statistically the majority of malfunctions occur in or at hardware components, contactors and motors. The next components to test are connectors, wiring and input devices such as switches, potentiometers or encoders. The last component to suspect is the motor control system. In all instances, you should begin your troubleshooting procedure at the driven device, proceed to input devices, then, and only then, move on to the control to which these devices attach.

## When a Malfunction Occurs

Go to the display and access the Level 2: Field Service Mode as follows.

**NOTE**

*Your monitoring system can be accessed at three levels of authorization:*

- Level 1: Operator Mode
- Level 2: Field Service Mode (Full Truck Operation)
- Level 3: Analyzer/Test Mode (No Truck Operation)

This section deals with Level 2 and Level 3. For information on Level 1, see Operator's Manual. Refer to Access 1 2 3 for display information.

## No Event Code?

When the truck malfunctions and no event code is displayed, it usually means the malfunction is not electrical.

If truck powers up but a code is not displayed, the malfunction is probably mechanical or hydraulic rather than electrical. Information regarding mechanical and hydraulic troubleshooting is located in the appropriate section of the Service and Parts Manual.

## To Locate Malfunctioning Components

Component and Wiring Location Maps are provided at strategic locations to help you quickly determine the physical location of items in question.

All components are clearly marked at connection points.

## Test Points

Test points referenced in event code descriptions are located on distribution panel.

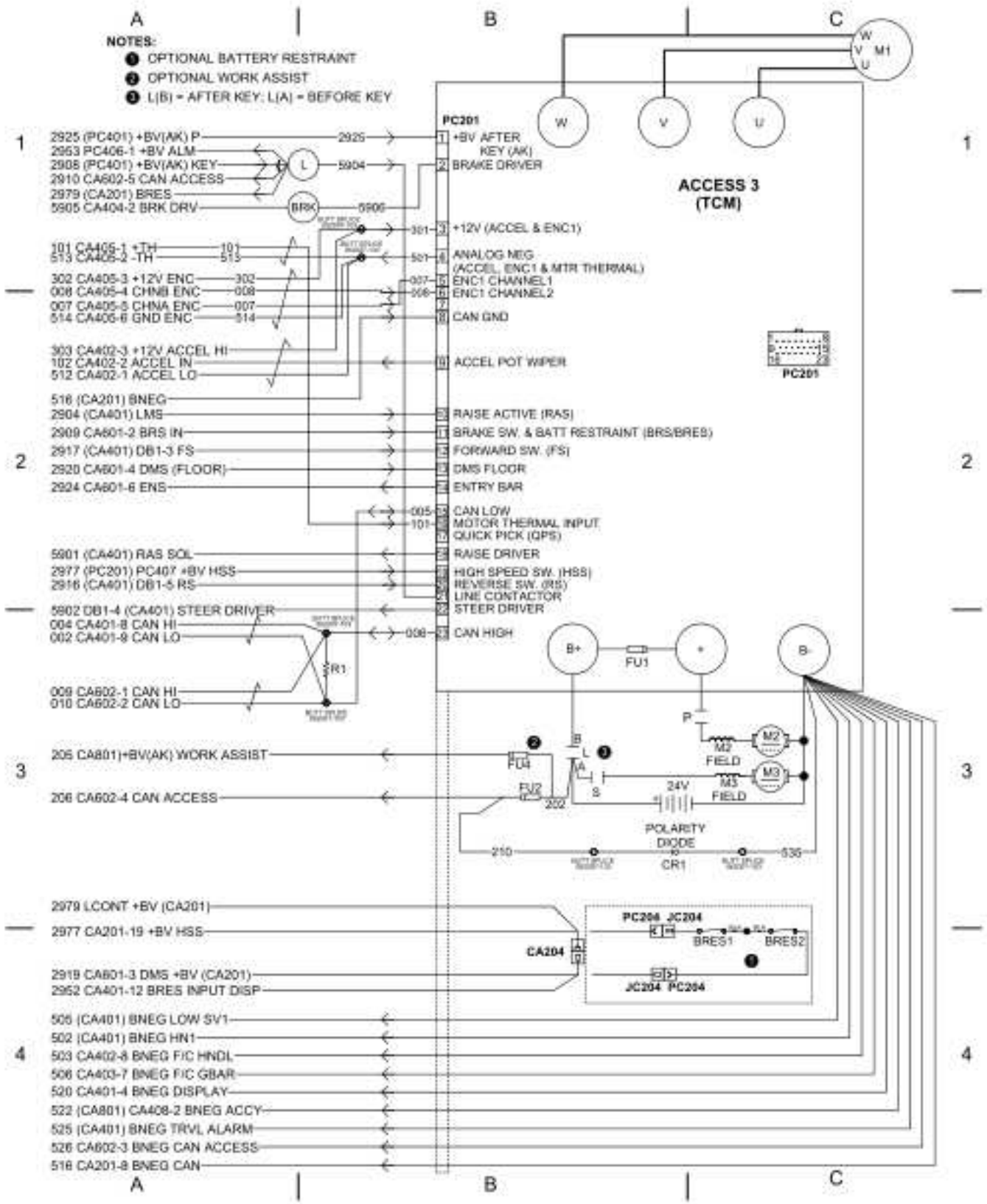
## Power Cable Connections

**CAUTION**

*Due to capacitance voltage present on the motor control panel, whenever performing maintenance which may permit contact with the bus bars and associated power cables, discharge capacitor on traction control panel by placing a minimum 100 ohm, 2 watt resistor (062033-030) between positive (+) and negative (-) of capacitor for 3 or more seconds.*



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| | | | | 1st Dash No.-Fork Spread | | | | | | 2nd Dash No.-Fork Length | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Axle | Series | Battery Width | Base Number | 585mm (23 in) | 610mm (24 in) | 635mm (25 in) | 660mm (26 in) | 685mm (27 in) | 710mm (28 in) | 1830mm (84 in) | 2360mm (93 in) | 2440mm (96 in) |
| **FORK 2720kg (6000 lbs) CAPACITY (EXTENDED TIP)** | | | | | | | | | | | | |
| Single | PE | 170mm (6.69 in) | 119144 | -023 | -024 | -025 | -026 | -027 | -028 | -03 | -04 | -05 |
| | PE, PR | 335mm (13.19 in) | 119152 | -023 | -024 | -025 | -026 | -027 | -028 | -03 | -04 | -05 |
| Tan-dem | PE | 170mm (6.69 in) | 119146 | -023 | -024 | -025 | -026 | -027 | -028 | -03 | -04 | -05 |
| | PE, PR | 335mm (13.19 in) | 119154 | -023 | -024 | -025 | -026 | -027 | -028 | -03 | -04 | -05 |
| **FORK 3630kg (8000 lbs) CAPACITY (EXTENDED TIP)** | | | | | | | | | | | | |
| Single | PE | 170mm (6.69 in) | 119145 | -023 | -024 | -025 | -026 | -027 | -028 | -03 | -04 | -05 |
| | PE, PR | 335mm (13.19 in) | 119153 | -023 | -024 | -025 | -026 | -027 | -028 | -03 | -04 | -05 |
| Tan-dem | PE | 170mm (6.69 in) | 119147 | -023 | -024 | -025 | -026 | -027 | -028 | -03 | -04 | -05 |
| | PE, PR | 335mm (13.19 in) | 119155 | -023 | -024 | -025 | -026 | -027 | -028 | -03 | -04 | -05 |



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Figure 17892



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