
Attention Service Manager/ Parts Department

Bulletin Level: 2*

Specific Warranty Coverage: Standard Warranty Coverage

Subject: Sticking of 200A 24V (56317116) and 36V (56395453, 56413516) Contactors

Models Affected: Warrior ST (all models), 34RST (all models), BA 755/855 (all models), Adhancer (rider all models), AquaRide (all models), Advenger (all models), Adphibian (all models), AquaPLUS (all models), Adgressor (all models), Condor (all models), BR 600S/700S/800S (all models), BR 850S/950S/1050S (all models), BR 1100S/1300S (all models), BRX 700 EDS.

Parts List Form Number(s) Affected: 56042446, 56042467, 56042470, 56042438, 56042469, 56042463, 56042485, 56042439, 56042476, 56042503, 56042511, 56042497, 56042522, 56042498

ECO#: n/a

Issue: Error 21 brush drive open, or brush drive motor does not turn off, or wheel drive circuit open.
Multiple overload codes may also be displayed.

Cause: Variation in the contact surface area between the bridge and contacts can result in the contactor sticking in the open or closed position.

Corrective Action: Factory:

Redesigned contactors installed on all:

Condor/BR1100/BR1300:	after SN 1000026586
36V Walk-Behinds:	after SN 1000027055
Riders not including Condor/BR1100/1300:	after SN 1000026035

24V Walk-Behinds identified by Contactors date code P8K24A1 or greater.

Field:

If the issues above are reported and the date code of the contactor is within the suspect range (see Fig.1), replace the contactor. Affected date codes (see Fig.2 for location) range as follows:

* **Technical Service Bulletin Levels:**

Level 1: These Bulletins contain general information and are without specific warranty coverage.

Level 2: These Bulletins describe continuous quality improvements that are made to products. Specific warranty coverage may apply and if so is noted in the Bulletin.

Level 3: These Bulletins describe a quality problem that has been determined to require a mandatory update to the product. Specific warranty coverage is as noted in Bulletin.

36V Contactors (56395453, 56413516)

Beginning with P8F29A1 and before P9G27A1 is suspect.

** New design starting with P9G2A1 can also be identified by the new vendor number.

- SBJ-4303-2 for 56413516
- SBJ-4301A-2 for 56395453

24V Contactor (56317116)

Beginning with P8F29A1 and before P8K24A1 is suspect.

* Vendor number remains the same

Figure 1

Location of date code



Figure 2

Field Repair Instructions:

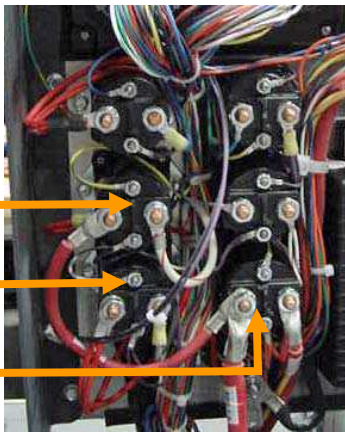
Remove control panel cover to access contactors. The **200A units** are larger than the 100A units and are located as shown in the following illustrations depending upon your machine.

Condor & BR1100/ 1300* :

K2
right brush motor

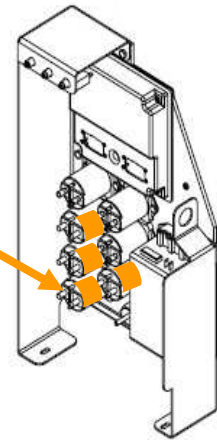
K3
center brush motor

K7 main

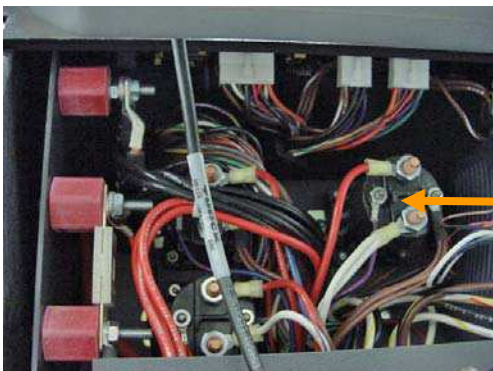


* alternate configuration
K4 left brush

Key:
200A
contactor



Adphibian, AquaPLUS:



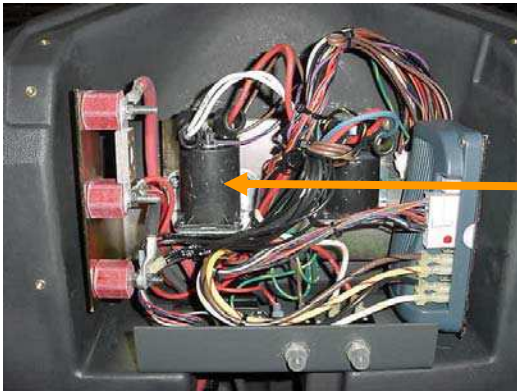
K2
vac
motor

Advenger, AquaRide, Adhancer Rider, BRX 700, & BR600/ 700/ 800:



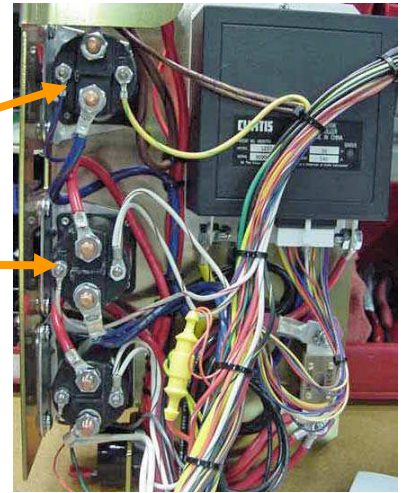
K2
vac
motor

Warrior ST, 34 RST, BA 755/ 855:



K1
brush
motor

**Adgressor &
BR 850/ 950/ 1050:**



K3
main

K1
brush
motor