



**Nilfisk  
Advance**

*setting standards*

## Technical Service Bulletin

### ATTENTION SERVICE MANAGER / PARTS DEPARTMENT

**Bulletin Level:** 2      **Specific Warranty Coverage:** Parts: Covered / Labor: 1 hour / Travel: Justify travel (3hr. max.)

**Subject:** False error code 07 vacuum overload shut down

**Advance Warrior Models Affected:** 56315036, 56315037, 56315038, 56315039, 56315538, 56315539, 56315540, 56315541, 56315542, 56315040, 56315041, 56315489

**Nilfisk BA 755 series Models Affected:** 56315042, 56315043, 56315044, 56315045, 56315046, 56315047

**Advance Convertamatic Models Affected:** 56315000, 56315001, 56315002, 56315003, 56315004, 56315005, 56315006, 56315007, 56315008, 56315009, 56315010, 56315011, 56315012, 56315013

Warrior models before S.N. 1926118

Convertamatic models before S.N. 1943474

**Parts List Form Number(s) Affected:** 56042463, 56042451

**ECO#:** A-03251

**Informational Bulletin:** NA

**ISSUE:** Over crimping and poor continuity of the vacuum current sense wire at the splice has caused some of the wire strands to break, resulting in a higher than normal resistance in the circuit

**PROBLEM:** Premature display of the Error 07 code - false vacuum motor shut down (overload) leading to failure of reliable operation.

**CAUSE:** The cause of this problem has been traced to a faulty wire crimp at a splice in the vacuum motor circuit wiring harness.

**CORRECTIVE ACTION in the Field:** The two wiring harnesses listed below are available for the Warrior and Convertamatic. This will eliminate the faulty vacuum system harness crimp and remove the need to field solder the connection.  
Note: Be sure the harness being used coincides with the model being serviced. The warrior models use wire harness P.N. 56315750 and the Convertamatic models use P.N. 56315751.

**CORRECTIVE ACTION in Production:** Warrior's after S.N. 1926118 and Convertamatic's after S.N. 1943474 have the splices and terminals associated with the vacuum motor current sense circuit soldered and do not require repair.

**56315750 Harness, Warrior Vacuum**

**56315751 Harness, Convertamatic Vacuum**

**\*\*Technical Service Bulletins 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.

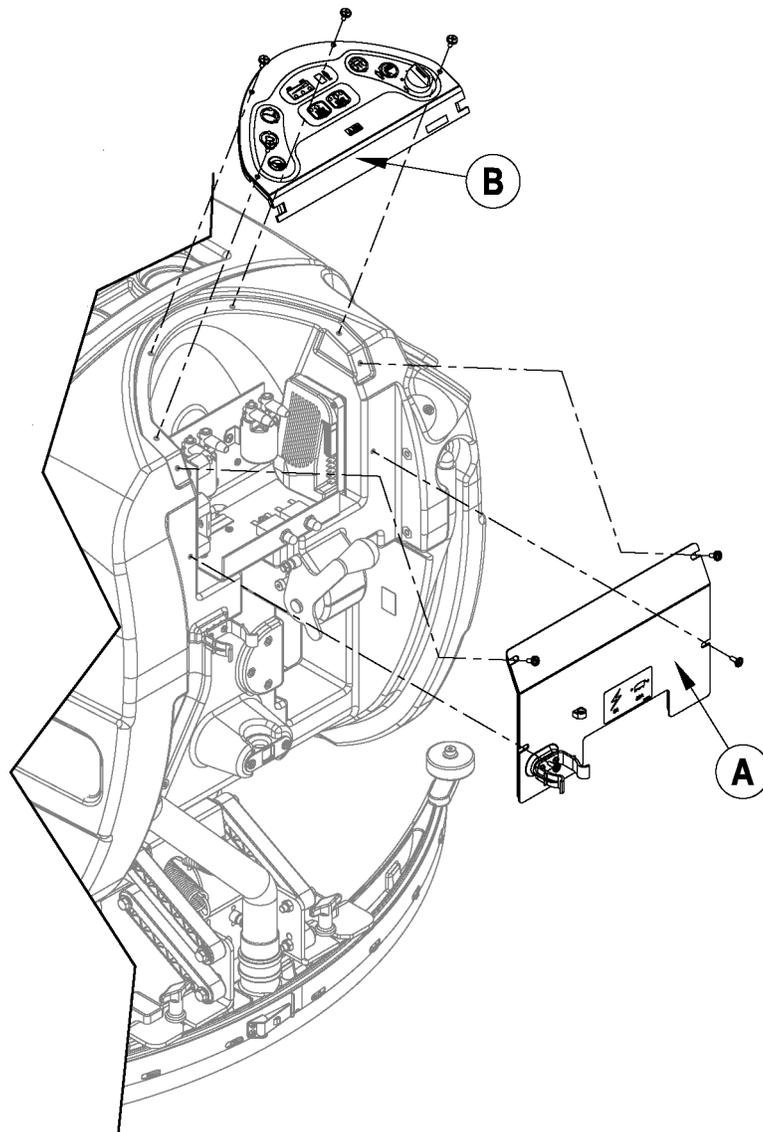
## VACUUM MOTOR CIRCUIT REPLACEMENT HARNESS INSTALLATION

Warrior™ Models: ALL models experiencing false Error 07  
Convertamatic™ Models: ALL models experiencing false Error 07

56315750 - Warrior Vacuum Harness  
56315751 - Convertamatic Vacuum Harness

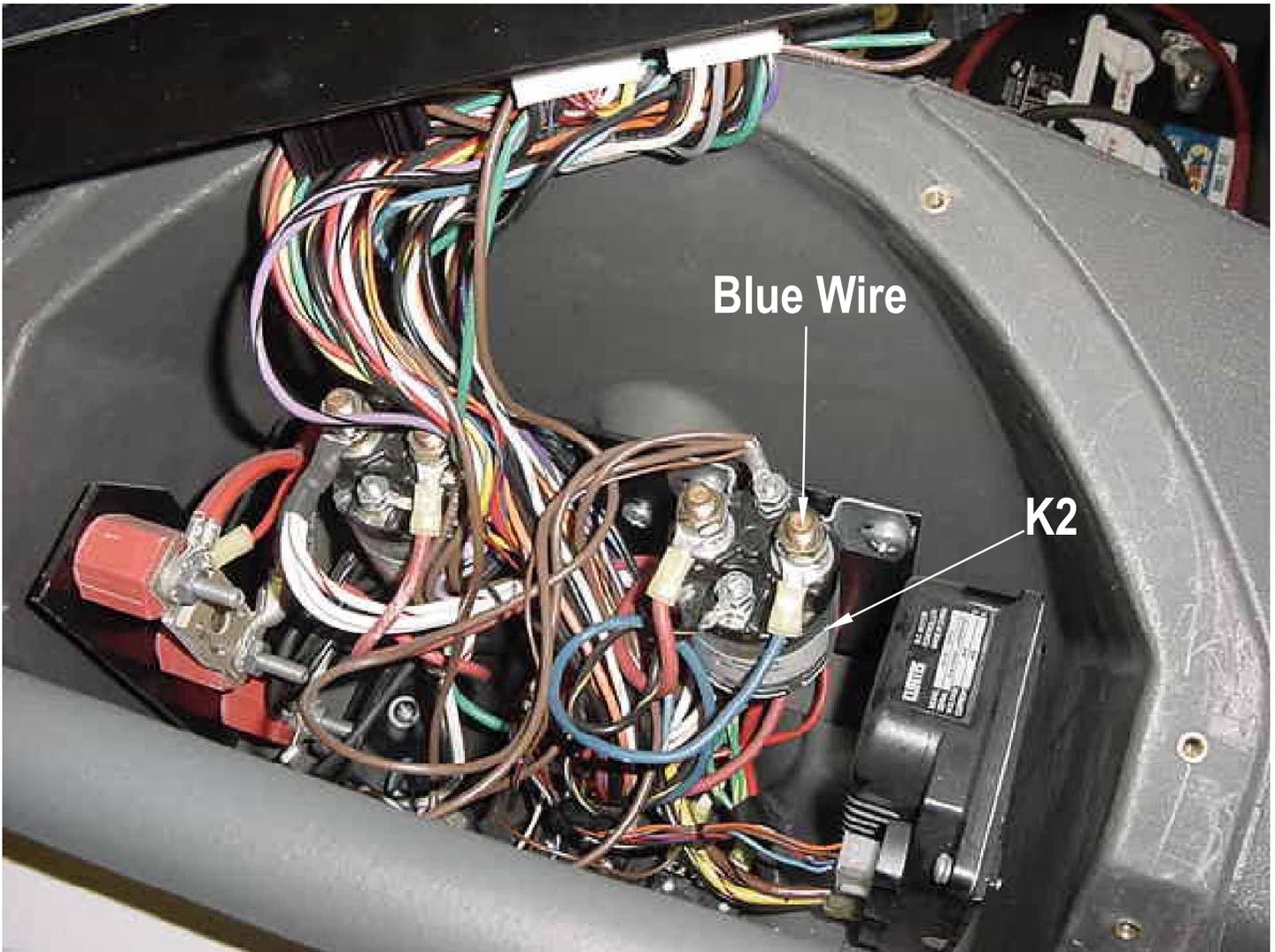
1. Disconnect the batteries.
2. **See Figure 1.** Remove the electrical panel cover (A) and the control panel assembly (B) to gain access to the electrical compartment.

**FIGURE 1**



3. See Figure 2. Disconnect the blue wire from the vacuum motor contactor (K2) then cut it off where it goes into the main harness. This wire will no longer be used.

**FIGURE 2**



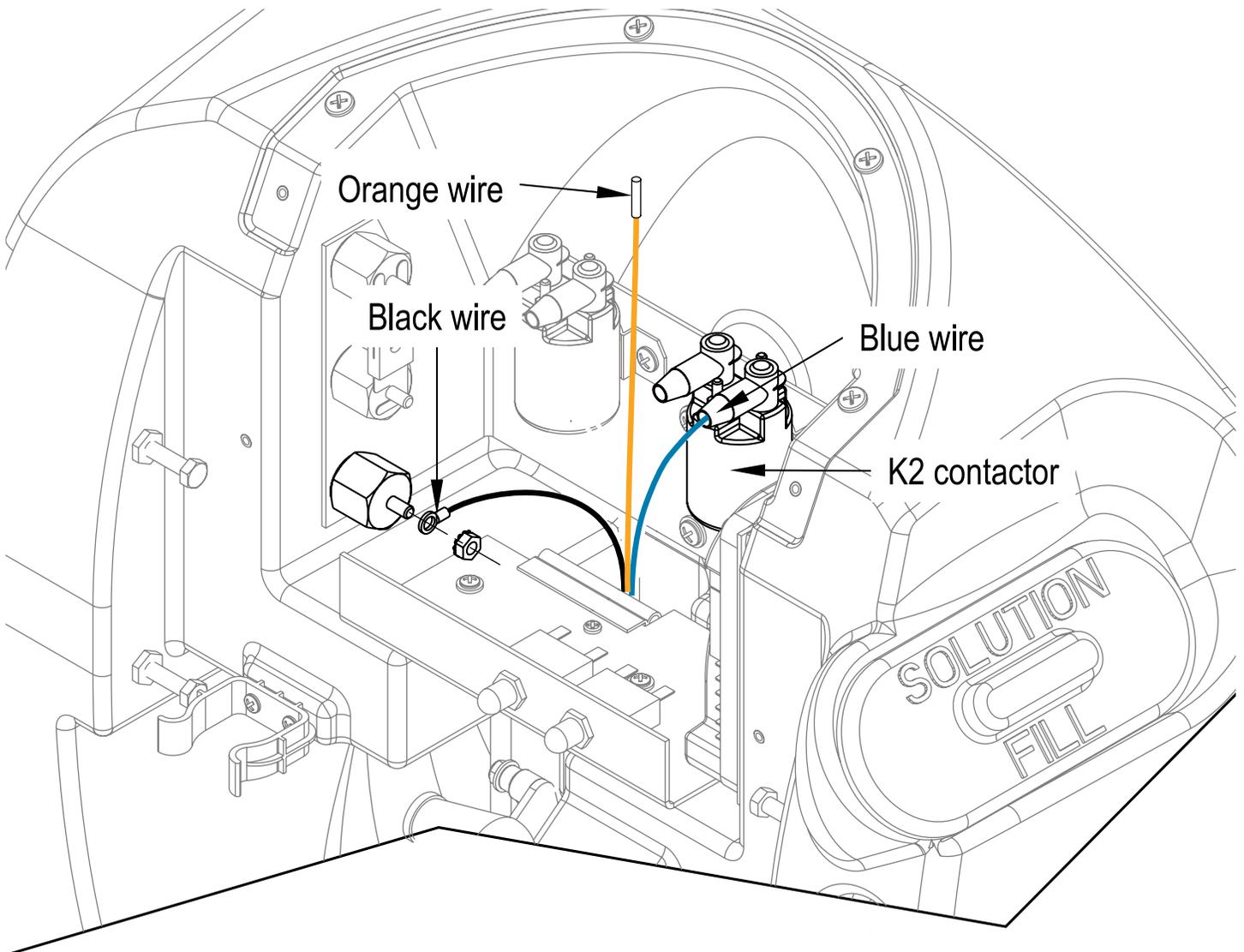
4. **See Figure 3.** Disconnect the connector with the blue and black wires that plugs into the vacuum motor leads.
5. Cut the cable tie that secures these two wires to the vacuum hose near the recovery tank. Then cut both wires (Blk & Blu) off where they enter into the main harness. Next wrap the end of the black wire with electrical tape so there are no strands of wire exposed. The blue wire does not need to be taped because it is disconnected at the other end.

**FIGURE 3**



6. Install the replacement harness by plugging it into the vac motor connector, then routing it along side the main harness from the vacuum motor connector into the electrical compartment (route up and behind the circuit breaker panel / see figure 4). Using cable ties (not included), secure the replacement harness to the main harness and to the vacuum hose where the old blue and black wires were previously secured.
7. **See Figure 4.** Connect the blue wire from the replacement harness to the vacuum motor contactor (**K2**) terminal that the old blue wire was previously connected to (figure 2).
8. Connect the black wire from the replacement harness to the bottom (BAT-) junction terminal (stand-off) in the electrical compartment along with the other black wires that are there.

**FIGURE 4**



9. **See Figure 5.** Find the orange wire that goes to Pin 10 of the white 12 way (J2) connector that plugs into the control panel assembly (A1). Cut this wire a few inches away from the connector and strip 1/4" of insulation from the end of the wire that goes into the connector. Using the butt splice that is on the orange wire from the replacement harness, crimp it onto the orange wire that goes into the connector.
10. Replace all the panels and reconnect the batteries. Test the machines drive and scrub functions.

**FIGURE 5**

