



## TECHNICAL SERVICE BULLETIN

No.027300-005

Machine:7300/8300

System:Summary of  
changes and ser-  
vice kits

## SUMMARY OF 7300/8300 CHANGES AND SERVICE KITS.

**PRODUCT CHANGE DESCRIPTIONS:** The following chart lists changes that have been made to the 7300/8300 model machines. If your customer's machine is in need of any of these kits, please order them, normal warranty procedures apply. If you need to contact the warranty department about a repair please have past repair orders available for reference.

### PROCEDURE:

Area of focus	Service Kit #	Reference notes
<b>Electrical</b>		
Brush circuit breaker magnetic type (Hi Mag) 50amp Its a special high temperature application circuit-breaker.	Order kit 387642, contains 3 50amp circuit breakers. Note: This will change to three 45 amp breakers in 2003	IB 340588, use this kit if customer's machine trips the brush motor circuit breakers frequently, and no other problems are found.
Brush circuit breaker change; The 50 amp Hi Mag circuit breakers have been replaced with 40 amp or 45 amp breakers.	Order 40 amp breaker 387636 for standard brush motors. Order 45 amp breaker 387637 for heavy duty brush motor machines.	New circuit breakers will go into production machines sometime in 12/02.
Battery discharge indicator (BDI) operation with sealed or GEL batteries is different. Contact Technical Support for calibration procedure.	Current circuit board revision number is KSC091702	BDI logic board operation needs to be calibrated through touch panel procedure, when sealed or GEL batteries are used.
Hourmeter reading lose or 7300 / 8300 panel icons fade out	Circuit board chip replacement kit 387646	New chip will also raise scrub head off floor a little when machine stops forward propelling.
Icons on instrument panel display go blank due to static feedback from brushes	Ground wire 51 green needs to be cut. Wire is located in harness under instrument panel	Should only effect machines built prior to May 01, 2002 below serial numbers 7300-1572 8300-3410

Contactor upgrade for M1, M2, and M3, contactors, Curtiss propel contactors.	Order kit 387643	IB 340589, Heavy duty contactors, better performance. Use in heavy duty applications where machines are used constantly. Use in production 10/02
Recovery tank liquid level sensor replacement kit for Non-ES equipped machines. Eliminates pressure type switches. <b>NOTE:</b> The most common reason for pressure switch failures is due to excess foam in the recovery tank. Check detergent to water ratios	Order kit 387649, uses 5700 machine type magnetic flipper switches. First use in production 04/20/02.	IB 340595, Kit eliminates the pressure switch type sensors. <b>IMPORTANT NOTE:</b> If the protective mesh screen (375302) is removed for cleaning, make sure the switch is repositioned correctly for proper switch operation after reassembly.
Recovery tank liquid level sensor replacement kit for ES equipped machines. Eliminates pressure type switches. <b>NOTE:</b> The most common reason for pressure switch failures is due to excess foam in the recovery tank. Check detergent to water ratios	Order kit 387650, uses 5700 machine type magnetic flipper switches. First use in production 04/20/02.	IB 340596, Kit eliminates the pressure switch type sensors. <b>IMPORTANT NOTE:</b> If the protective mesh screen (375302) is removed for cleaning, make sure the switch is repositioned correctly for proper switch operation after reassembly.
Vacuum fan motor part number change.	Old part number was 17363, new part number is 398520	Parts manual change coming. Supplier has updated vacuum fan assembly. First useage: 7300-1557 8300-3391
Vacuum fan motors fail due to water ingestion. Water enters due to cleaning of recovery tank with garden hose via the small tank opening near vac fan inlet.		Advise machine operators they should not run water through the small opening in the recovery tank by the vacuum fan inlet.
Sweep filter shaker solenoid wiring inspection.	Prevent shaker solenoid module failures.	Inspect the shaker solenoid connections and wrap any exposed terminals or wires with electrical tape.
General Machine		
Solution control cable binds due to stiff water valve operation	Water valve 12060 has been reworked and changed to part number 79350	Reworked valve first useage in assembly 09/01/02

<b>Right Rear squeegee guard kit for machines with Max-Pro 1200 disk scrub heads</b>	<b>Order kit 374250, helps reduce damage costs for the customer. This is an option.</b>	<b>IB340599, Use this kit if customer has frequent problems with damage to the right rear squeegee assembly</b>
<b>Auto-fill garden hose fitting</b>	<b>New fitting with seal, part number 375322</b>	<b>Replaces old 33294 fitting, eliminates water connection leaks when using auto-fill option.</b>
<b>Vacuum system Y-pipe relocation kit. Improved operation, easier cleaning of hose and fitting.</b>	<b>Order kit 1005026 for Maxpro 1200 disk head machines or vacuumized side squeegees.</b>	<b>Kit is for 7300/8300 model machines with the vacuumized right side squeegees Maxpro 1200 units with a <u>disk head</u>.</b>
<b>Vacuum system Y-pipe relocation kit. Improved operation, easier cleaning of hose and fitting.</b>	<b>Order kit 1005025 for Maxpro 1000 or Maxpro 1200 cylindrical heads</b>	<b>Kit is for 7300/8300 model machines with the Maxpro 1000 or Maxpro1200 units with <u>cylindrical heads</u> only.</b>
<b>8300 Sweeper side brush motor replacement kit.</b>	<b>Order kit 383027</b>	<b>Kit replaces the Stature motor with a more rugged motor assembly. Use in production 10/02</b>
<b>8300 Sweep brush conveyor brush idler upgrade.</b>	<b>Order kit 374186</b>	<b>Kit upgrades conveyor brush idler components with more durable parts.</b>
<b>Scrub Head</b>		
<b>Cylindrical head brush motor belt tension spring 386849 replaced</b>	<b>New spring 375237</b>	<b>Eliminates need for washer to increase tension. First machine useage: 7300-1670 8300-3531</b>
<b>Side squeegee update kit for Maxpro 1200 disk heads and Maxpro 1200 disk with vacuumized RH side sq.</b>	<b>Kit 374241 works best with updated sq. blade assembly 387544 with chamfer on leading edge of blade or trim it yourself at a 45 degree angle. (std. production10/01/02)</b>	<b>IB number 340598 Kit modifies side sq. frame and adds additional springs to keep sq. tip from digging into the floor. Includes new slotted bracket weldment 1007632</b>
<b>Scrub head bolt upgrade</b>	<b>Bolts 12333 have been replaced with grade 8 bolts 39308</b>	<b>Old bolts usually are broken by operators bumping the scrub head into objects. Be sure to use blue Locktite on the threads. Use in production 03/15/02.</b>
<b>Sweeper / Hopper</b>		

Hopper filters have been changed to Donaldson supplied ones.	New Donaldson filter kit with plastic ties for securing shaker solenoid assembly part number 374237	Order kit 374237 if needed. Use in production 09/02. Better material reliability and construction.

