<u>RIO+:</u>	Scrubber System Diagnostic Co	
		12/18/03
crubber	r System Faults External to TRIO+	
Code	Fault Description	Corrective Action
Code	Taut Description	
0810	TILLER FAULT-1	For all Tiller Diagnostic Codes:
0811	TILLER MAX WIPER DIFFERENCE ERROR	1- Check throttle wiring for shorts or opens. Repair or replace as necessary.
0812 0813	TILLER MAX PULL DOWN DIFFERENCE ERROR TILLER MAX PULL SAFE DIFFERENCE ERROR	2- If Diagnostic Code is not cleared, then replace throttle.
0813	TILLER REFERENCE ERROR	
0815	TILLER LO REFERENCE ERROR	n n n
0816	TILLER HI REFERENCE ISO ERROR	
0817	TILLER LO REFERENCE ISO ERROR	
0818	TILLER ERROR BOTH HAVE READINGS	
1310	EXCESSIVE CURRENT TRIP	
1310	SOFT AUX1 OVERCURRENT OCCURRED	Device connected to Aux-1 exceeded current limit. Check wiring or replace device.
1312	SOFT AUX2 OVERCURRENT OCCURRED	Device connected to Aux-2 exceeded current limit. Check wiring or replace device.
1313	SOFT AUX3 OVERCURRENT OCCURRED	Device connected to Aux-3 exceeded current limit. Check wiring or replace device.
1314	SOFT AUX4 OVERCURRENT OCCURRED	Device connected to Aux41 exceeded current limit. Check wiring or replace device.
1318	SOFT BRAKE LIGHT OVERCURRENT OCCURRED	Brake light circuit exceeded current limit. Check wiring or replace device.
131C	SOFT ALARM OVERCURRENT OCCURRED	Alarm circuit exceeded current limit. Check wiring or replace device.
1321 1322	AUX1 OVERCURRENT 2 OCCURRED AUX2 OVERCURRENT 2 OCCURRED	Device connected to Aux-1 exceeded current limit. Check wiring or replace device. Device connected to Aux 2 exceeded current limit. Check wiring or replace device.
1.522		Berner Gernerieu in Aux 2 excedued current innit. Grieck Willing Of Teplace device.
1411	ERROR AUX 1 POSITIVE SHORTED_LOW	Check Aux-1 wiring and device connected to Aux-1. Repair or replace as necessary.
1412	ERROR AUX 1 NEGATIVE SHORTED LOW	Check Aux-1 wiring and device connected to Aux-1. Repair or replace as necessary.
1413	ERROR AUX 2 POSITIVE SHORTED LOW	Check Aux-2 wiring and device connected to Aux-2. Repair or replace as necessary.
1414	ERROR AUX 2 NEGATIVE SHORTED LOW	Check Aux-2 wiring and device connected to Aux-2. Repair or replace as necessary.
4504	BRAKE FAULT 2	Charle Drake size it witten and brake. Densiter realizes as personally
1501 1507	BRAKE OVER CURRENT ERROR	Check Brake circuit wiring and brake. Repair or replace as necessary. Check Brake circuit wiring and brake. Repair or replace as necessary.
1600	HIGH BATTERY ERROR	Battery is overcharged or damaged. Replace battery.
1000		
1D02	FRONT END SPEC CHANGE TRIP	Drive parameters have been reprogrammed. Cycle power with keyswitch.
1E03	INHIBIT ACTIVATED	Fix whatever condition is causing Inhibit signal; i.e. fill water tank, etc.
1E04	INHIBIT ACTIVATED2	Fix whatever condition is causing Inhibit signal; i.e. fill water tank, etc.
1E06		Invalid Inhibit signal. Check wiring and device. Repair or replace as necessary.
crubber	r System Faults External to TRIO+	
2C00		Detter Charge to law. Decharge better
2C00 2C01	LOW BATTERY ERROR LOW BATTERY ERROR2	Battery Charge to low. Recharge battery. Battery Charge to low. Recharge battery.
2C02	SOFT BATTERY LOCKOUT OCCURRED	Battery Charge to low. Recharge battery.
2C03	SOFT BATTERY LOCKOUT 2 OCCURRED	Battery Charge to low. Recharge battery.
2F01	TILLER DISPLACED ERROR	Throttle displaced on Power-up. Release throttle and then re-engage throttle.
0.4.00	DAD OFTINICO	
3A00	BAD SETTINGS	Illegal program parameter settings.
7000	STARTUP WITH PUSH SELECTED	
7000	PUSH ACTIVATED IN DRIVE MODE	
7500	TILLER COMMS TIMEOUT	Problem with LCD Module or wiring. Repair or replace as necessary.
7000		
7600	SOFT BRUSH MOTOR DISCONNECTED ERROR SOFT BRUSH CURRENT FOLDBACK	
7601 7602	SOFT BRUSH CURRENT FOLDBACK	
7602	SOFT BRUSH CURRENT FOLDBACK3	
7604	SOFT BRUSH INHIBIT	
7605	BRUSH STARTUP OVERCURRENT DETECTION	
7700	SOFT VACUUM MOTOR DISCONNECTED ERROR	
7701 7702	SOFT VACUUM CURRENT FOLDBACK SOFT VACUUM CURRENT FOLDBACK2	
7702	SOFT VACUUM CURRENT FOLDBACK2	
7800	TRACTION MOTOR FAULT-1	
7801	TRACTION MOTOR OVER CURRENT ERROR	
7802	SOFT TRACTION MOTOR IN FOLDBACK STATE	Traction Motor being overloaded or Foldback parameters set too low.
7803	MOTOR LINE VOLTAGES INSTABILITY TIMEOUT	
7000		
7880	TRACTION SPEED INPUT OUT OF RANGE	
7880	EMERGENCY STOP ERROR	

8000	SERVICE MODE	
9000		
9000	BRUSHES NOT FITTED	
Possible Ir	nternal TRIO+ Faults	
Code		Corrective Action
0000		
0003		For All of these Diagnostic Codes:
0100		1- Turn Off Keyswitch and disconnect batteries.
0204		2- Wait 1 minute.
0204		
0705		3- Reconnect Batteries and turn On Keyswitch.
0706		4- If Diagnostic Code is not cleared, then replace TRIO+.
0A01		
UAUT		
0B02		
0B0B		
4704		
1704		
1705		
1706		
1800		
4000		
1802		
1B20		
1B21		
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0100		
2102		
2103		
2D01		
2001		
3100		
3101		
3102		
3103		
3104		
3105		
3200		
3200		
3210		
3211		
Dossible I	nternal TRIO+ Faults	
Code		Corrective Action
0010		
3212		For All of these Diagnostic Codes:
3213		1- Turn Off Keyswitch and disconnect batteries.
3214		2- Wait 1 minute.
		3- Reconnect Batteries and turn On Keyswitch.
3601		4- If Diagnostic Code is not cleared, then replace TRIO+.
3001		+- II Diagnostic Coue is not cleared, then replace TRIO+.
3602		
3603		
3608		
3609		
0009		
360a		
360b		
360c		
360d		
360e		
3000		
7501		
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