

D50134 Trio+ System diagnostic codes Taski Swingo 2500/3500		
30th November 2004		Issue A
Error No.	Likely Problem	Suggested Action
0003	Probable controller fault	Disconnect Batteries, Wait for 30 seconds then re-apply power and switch on
0100	Probable controller fault	Disconnect Batteries, Wait for 30 seconds then re-apply power and switch on
0204	Probable controller fault	Disconnect Batteries, Wait for 30 seconds then re-apply power and switch on
0706	Fault on input switch wiring	Check for shorts on membrane switch panel and tank level signal wiring, check for contamination on connectors. Check brush deck position potentiometer.
0811	Controller Fault - Faulty Throttle input	Disconnect Batteries, Wait for 30 seconds then re-apply power and switch on
0812	Controller Fault - Faulty Throttle input	Disconnect Batteries, Wait for 30 seconds then re-apply power and switch on
0813	Controller Fault - Faulty Throttle input	Disconnect Batteries, Wait for 30 seconds then re-apply power and switch on
0814	Throttle fault	Check for problems with throttle potentiometer and throttle wiring
0815	Throttle fault	Check for problems with throttle potentiometer and throttle wiring
0818	2 throttles connected ( Trio and LCD)	Check for foreign objects / contamination of 3-way connector on LCD
0B02	Probable controller fault	Disconnect Batteries, Wait for 30 seconds then re-apply power and switch on
0B0B	Probable controller fault	Disconnect Batteries, Wait for 30 seconds then re-apply power and switch on
1310	Excessive total current	Check for jamming or binding on all motors, then cycle power with keyswitch
1311	Brush deck Actuator overload - peak current exceeds 21A	Check brush deck is not jammed or damaged: check actuator winding
1312	Squeegee actuator overload - peak current exceeds 21A	Check squeegee is not jammed or damaged: check actuator winding
1313	Solution pump overload	Faulty pump or pump wiring - check for blockage or obstruction in pipes
1314	Solution valve overload	Faulty valve or valve wiring - check for blockage or obstruction in pipes
1318	Warning beacon overload	Faulty beacon or beacon wiring
131C	Reverse Alarm / Horn Overload	Faulty horn or horn wiring
1321	Brush deck Actuator overload - current greater than 12A for 100ms	Check brush deck is not jammed or damaged: check actuator winding
1322	Squeegee actuator overload - current greater than 12A for 100ms	Check squeegee is not jammed or damaged: check actuator winding
1411	Brush deck actuator shorted to 0V	Check for contamination on connector or short in wiring harness
1412	Brush deck actuator shorted to 0V	Check for contamination on connector or short in wiring harness
1413	Squeegee actuator shorted to 0V	Check for contamination on connector or short in wiring harness
1414	Squeegee actuator shorted to 0V	Check for contamination on connector or short in wiring harness

indicates error

600

0A01

1600	Battery Voltage too high	Check battery and battery cabling condition, Disconnect charger if fitted, check correct connection of batteries
1704	Probable controller fault	Disconnect Batteries, Wait for 30 seconds then re-apply power and switch on
1705	Probable controller fault	Disconnect Batteries, Wait for 30 seconds then re-apply power and switch on
1706	Probable controller fault	Disconnect Batteries, Wait for 30 seconds then re-apply power and switch on
1800	Probable controller fault	Disconnect Batteries, Wait for 30 seconds then re-apply power and switch on
1802	Probable controller fault	Disconnect Batteries, Wait for 30 seconds then re-apply power and switch on
1B20	Probable controller fault	Disconnect Batteries, Wait for 30 seconds then re-apply power and switch on
1B21	Probable controller fault	Disconnect Batteries, Wait for 30 seconds then re-apply power and switch on
1D02	Controller has been successfully reprogrammed	Normal event after parameter change - Cycle power with keyswitch
2102	Probable controller fault	Disconnect Batteries, Wait for 30 seconds then re-apply power and switch on
2103	Probable controller fault	Disconnect Batteries, Wait for 30 seconds then re-apply power and switch on
2C00	Battery Voltage too low	Check battery and battery cabling condition, Disconnect charger if fitted, check correct connection of batteries
2C01	Battery Voltage too low	Check battery and battery cabling condition, Disconnect charger if fitted, check correct connection of batteries
3100	Possible controller Fault - Possible short on any output	Check for short circuit on any output
3101	Possible controller Fault - Possible short between traction output and B+ or 0V	Check for short between traction motor and its wiring with B+ or 0V. Unplug motors and cycle power with keyswitch
3102	Possible controller Fault - Possible short on brush or vacuum output	Check for short on brush or vacuum motors and their wiring. Unplug motors and cycle power with keyswitch
3104	Possible controller Fault - Possible short between traction output and B+ or 0V	Check for short between traction motor and its wiring with B+ or 0V. Unplug motors and cycle power with keyswitch
3200	Probable controller fault	Disconnect Batteries, Wait for 30 seconds then re-apply power and switch on
3201	Probable controller fault	Disconnect Batteries, Wait for 30 seconds then re-apply power and switch on
3210	Probable controller fault	Disconnect Batteries, Wait for 30 seconds then re-apply power and switch on
3211	Probable controller fault	Disconnect Batteries, Wait for 30 seconds then re-apply power and switch on
3213	Probable controller fault	Disconnect Batteries, Wait for 30 seconds then re-apply power and switch on
3214	Probable controller fault	Disconnect Batteries, Wait for 30 seconds then re-apply power and switch on
3A00	Parameter conflict	Load default factory parameter file and cycle power with keyswitch

7600	Brush motor open circuit	Check brush motor connector is correctly inserted. Check brush motors and wiring for continuity. Check motor carbon brushes.
7601	Brush Motor Overload	Check brush deck for foreign objects. Check brush motors rotate freely. Check motors for binding or bent shafts. Check correct operation of deck raise / lower
7602	Brush motor short circuit level 1	Check brush motors and brush motor wiring for short circuits. Check brush motors rotate freely. Check correct operation of deck raise / lower
7603	Brush motor short circuit level 2	Check brush motors and brush motor wiring for short circuits. Check brush motors rotate freely. Check correct operation of deck raise / lower
7605	Brush motor overload on start up	Check brush deck for foreign objects. Check brush motors rotate freely. Check motors for binding or bent shafts. Check correct operation of deck raise / lower
7700	Vacuum motor open circuit	Check vacuum motor connector is correctly inserted. Check vacuum motor and wiring for continuity. Check motor carbon brushes.
7701	Vacuum Motor Overload	Check vacuum motor for obstructions or blockages. Check vacuum motor rotates freely. Check motors for binding or bent shafts.
7702	Vacuum motor short circuit level 1	Check vacuum motor and vacuum motor wiring for short circuits. Check motor rotates freely.
7703	Vacuum motor short circuit level 2	Check vacuum motor and vacuum motor wiring for short circuits. Check motor rotates freely.
7801	Traction motor overload on start-up	Check traction motor for obstructions. Check traction motor rotates freely. Check motor for binding or bent shafts.
7802	Traction motor in current limit	Check vehicle is not overloaded or being operated on too steep an incline. Check traction motor for obstructions. Check traction motor rotates freely. Check motor for binding or bent shafts.
7900	Emergency stop input activated	Check for wiring error or contamination of connector P3 pin 4 on the Trio+ - pin 4 should be empty
8000	Indicates successful activation of service mode	Cycle power with keyswitch to exit service mode