

EXPLANATION OF FAULT MESSAGES

For detailed coverage of the sources of these faults, see the LaserWash® 4000 Troubleshooting manual.

ARCH ROTATE FAIL-Code 7

Occurs if the arch does not rotate 90 degrees within 3 seconds of starting the rotation.

AUTO RET-FR EYE-Code 22

During an automatic return cycle, the front/rear eye was obstructed. The machine will retry every 30 seconds to return home.

AUTO RET-WH WELL-Code 21

During an automatic return cycle, the wheel well switch was activated. The machine will retry every 30 seconds to return home.

CAR STUCK IN BAY-Code 12

Input X31, (VT Stop eye or Treadle stop proximity switch), went off before the wash was complete and the Drive off timer expired.

ENTRANCE TIMEOUT

Vehicle did not stay on the treadle for 3.5 continuous seconds before the entrance timer expired.

Entrance timer set too short.

Mechanical obstruction of wheel well switch arm.

Wheel well proximity switch misadjusted.

Faulty wheel well proximity switch.

F + R LIMIT ON

The front and rear limit inputs should never be turned on at the same time.

Either the front or rear proximity switch has failed.

IMPACT SW HIT

Vehicle has struck arch.

Faulty impact proximity switch.

Impact proximity switch misadjusted.

Broken shear pin.

LOST LASERWIND

Proximity switch faulty or misadjusted.

Power interruption to magnets.

LF LIM ON WD MES

Measure eye faulty.

Left limit proximity switch faulty.

MOTOR RUNON

The machine did not complete a movement within a certain time limit.

Bridge or trolley needs greasing.

Mechanical obstruction of bridge or trolley.

OVERLENGTH-FRONT

Object on front of vehicle blocking eye (snow plow).

Spray arch is loose or bent and is blocking the front measure eyes.

Front eye faulty.

RGT LIM-NO FLAGS

Measure proximity switch faulty/out of adjustment.

Right limit proximity switch faulty.

Measurement adjustment has bad value.

SPD CTL OVERLOAD

Speed controller parameters not set correctly.

Bridge or trolley needs greasing.

Mechanical obstruction of bridge or trolley.

START-ARCH INDEX

Arch not parked correctly.

Arch proximity switch(es) out of adjustment.

Faulty home sensor on LaserWind.

Proximity switch misadjusted.

START-DRYER NOT HOME

LaserWind dryer not at home location.

Faulty home sensor on LaserWind.

Proximity switch misadjusted.

START-FRNT LIMIT

Bridge not parked correctly.

Front limit proximity switch misadjusted.

Faulty front limit proximity switch.

START-IMPACT SW

Faulty impact proximity switch.

Impact proximity switch misadjusted.

START-LEFT LIMIT

Trolley is not parked correctly.

Left limit proximity switch misadjusted.

Faulty left limit proximity switch.

START-RGHT LIMIT

Trolley is not parked correctly.

Right limit proximity switch misadjusted.

Faulty right limit proximity switch.

START-MID LIMIT

Proximity switch is on while parked at front.

Middle limit proximity switch misadjusted.

Faulty middle limit proximity switch.

START-REAR LIMIT

Proximity switch is on while parked at front.

Rear limit proximity switch misadjusted.

Faulty rear limit proximity switch.

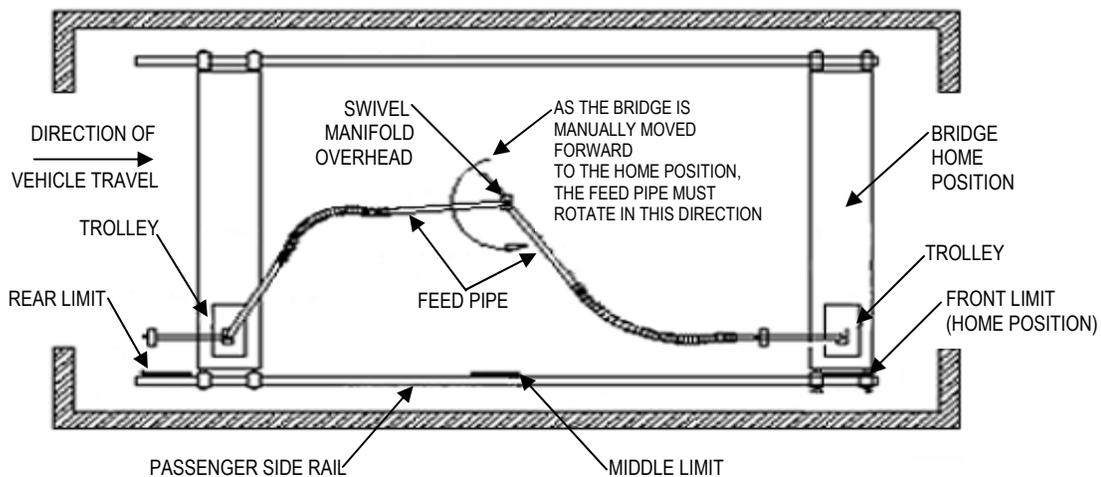
START-WHEEL WELL

Faulty wheel well proximity switch.

Mechanical problem with wheel well switch.

Laserwash® 4000 Quick Reference Sheet

PROCEDURE TO DRIVE LASERWASH 4000 TO THE HOME POSITION	QUICK ACCESS PASSWORDS	
1. Put the joystick key into the key switch.	1-ENTER	FREE WASH
2. Turn the key to the manual position.	2-ENTER	CANCEL WASH
3. Check to see if the spray arch is in a position where the bridge and trolley can be moved without hitting any obstructions. If not, move the bridge and arch so that it is in a position to follow around the vehicle as is the machine is in its normal wash travel.	43-ENTER 1234-ENTER 1905-ENTER 4321-ENTER	HELP INFORMATION ENABLE CARWASH OWNER PASSWORD DISABLE CARWASH
Note: To rotate the arch, depress the arch index button and hold until it stops at the next 1/4 turn. To index another 1/4 turn index button again.	4357-ENTER 63556-ENTER 80-ENTER	HELP DIAGNOSTICS PASSWORD PROGRAMMING PASSWORD
4. Drive the bridge from the entrance end to the exit end of the wash bay with the spray arch on the passenger side of the vehicle.	100-ENTER	OPERATOR PASSWORD
Note: The hose should always follow the machine.	OPERATOR PASSWORD ACCESS	
Note: Ensure the overhead hose is not binding.	100-ENTER-1-ENTER	AUTOMATIC STATUS
Note: When driving the spray arch along the back of the vehicle make sure before you index that the spray arch clears the dump valve.	100-ENTER-3-ENTER	TEMPERATURE
	100-ENTER-4-ENTER	DIAGNOSTIC INFO
	100-ENTER-5-ENTER	MAINTENANCE INFO
	100-ENTER-8-ENTER	KEEP- ENTRANCE DOOR UP
	100-ENTER-9-ENTER	KEEP EXIT DOOR UP
5. After you have the machine in this position with the overhead not binding do not press the arch index button.	100-ENTER-10-ENTER	TEST LOW PRESSURE SOAP
6. After 5 seconds move the bridge to the front limit.	100-ENTER-11-ENTER	TEST HIGH PRESSURE SOAP
7. Put the machine back into AUTO EMERGENCY STOP.	100-ENTER-12-ENTER	TEST LOW PRESSURE WAX
8. Check printer for a fault. (Refer to explanation of fault messages in programming manual).	TITRATION	
	100-ENTER-90-ENTER	RESET GREASE (2000 CYCLES)
	100-ENTER-91-ENTER	RESET OIL (500 HOURS)
	100-ENTER-92-ENTER	RESET AIR (30 DAYS)
START-UP TEST IS PERFORMED	100-ENTER-94-ENTER	RESET PAGER
1. After a wash when the washed car has cleared the front eye.	100-ENTER-95-ENTER	RESET DOCKING LASERWIND
2. When power has been restored after a power failure.	DRYER	
3. When the machine has restored after a customer fault.	100-ENTER-99-ENTER	RESET RECLAIM WARNING
4. When the key switch is turned from manual to automatic.		
Note: During a start up check the machine will notify you of a failure either on the screen or by a message on the printer. If none appear you may proceed to wash vehicles.		



****CAUTION** NEVER DRIVE TROLLEY DIRECTLY UNDER OVERHEAD MANIFOLD.**

LASERWASH 4000