



## Chapter 7 Faults and Alarms

### Fault Codes and Names

Code	Fault / Alarm Name
183	ENTER NOT OUT
175	EXIT NOT OUT
238	TOP NOT UP
207	LOW AIR
252	CARR JAM
191	OVERLOAD TRIP
254	GFCI
246	ESTOP FAULT
250	BREAKAWAY FAULT
231	LOW WATER
219	DRIVE 1 FAULT
235	DRIVE 2 FAULT
127	DRIVE COM FAULT
95	STUCK IN BAY
155	NO ENTRY
245	TO TREADLE
253	PULL OFF
223	TIME OUT
125	SONAR DISCONNECT

### Fault Summaries

#### **ENTER NOT OUT**

This fault occurs if Enter Arm's Out Sensors (Read Switches) are not on when arm should be retracted. This is when the computer has 036 (ENTER BOTH IN/WTR) off and either Input (X33-ENTER P/S OUT) or (X34-ENDER D/S OUT) is not on. Fault will only occur if the wash cycle is in progress and Fault is delayed 15 to 21 seconds depending on conditions. If either input is off for 6 seconds after 036 is off, the Carriage motion will be paused until they are both on.

#### **LOW AIR**

This fault occurs when the Low Air Pressure Input (X22) is off.

#### **CARR JAM**

This is a Carriage jam. This fault occurs when X1 (Carriage Encode B) has not changed state for 10 seconds while the Carriage is being instructed to move.

#### **OVERLOAD TRIP**

This fault occurs when the Overload Tripped Input (X23) is off. This fault indicates that a circuit breaker or a motor protector in the MCC (3-phase panel) has tripped. Green LED on the Overload Tripped Relay will be illuminated when condition had been removed.



## Chapter 7 Faults and Alarms

### Fault Summaries

#### **GFCI**

This fault occurs when the GFCI device in the SCC has tripped. Reset must be pressed on the GFCI device prior to resetting the machine.

#### **ESTOP FAULT**

This fault occurs when the E-Stop is pressed in and remains in. This fault can be disabled from the MISC screen of the Operator Interface. Check all E-Stops and red/yellow disconnects to remove condition.

#### **BREAKAWAY FAULT**

This fault occurs when Breakaway Input (X26) is off. If the On-Board Wheel Cleaner is not installed, the Input will have to be jumped out to 338 (DC Common) to remove fault condition.

#### **LOW WATER**

This fault occurs if the Low Water Input (X27) is off. User can select if this fault shuts the carwash down or shuts the pump off and continues to wash.

#### **DRIVE 1 FAULT**

This fault occurs when the Carriage Drive signals the carwash controller that it has faulted.

#### **DRIVE 1 FAULT**

This fault occurs when the Enter Wheels Drive signals the carwash controller that it has faulted.

#### **DRIVE COM FAULT**

This fault occurs when there is an error communicating with either of the drives.

#### **STUCK IN BAY**

This alarm occurs when a vehicle has received a wash and never left the treadle.

#### **NO ENTRY**

This alarm occurs when a vehicle has purchased a wash (Package inserted into the Loader) and never entered the bay.

#### **TO TREADLE**

This alarm occurs when a vehicle has pulled into the bay (Package shifted from Loader to wash) but never pulled onto the Treadle.

#### **PULL OFF**

This alarm occurs when a vehicle left the bay in the middle of a wash cycle.

#### **TIME OUT**

This alarm occurs when at least one of the Outputs (NAMED 1 – 8) and (MISC 1 – 8) is on and the status of the output pattern has not changed for over 10 minutes.

#### **SONAR DISCONNECT**

This alarm occurs when the controller is not receiving a signal from the Sonar.

# PROGRAMMING AND OPERATION









Belanger, Inc. \* P.O. Box 5470 \* Northville, MI 48167-5470  
Customer Service Phone (248) 349-7010 ext. 509 and 510 \* Fax (248) 380-9681

