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Document ID: IK1900168
Availability: ISIS, FleetSIS, Body Builder, IsSIR
Revision: 5
Major System: ACCESSORIES
Created: 9/8/2011
Current Language: English
Last Modified: 7/9/2018
Other Languages: [Français](#), [Español](#),
Author: AI Schnellenberger
Viewed: 2349

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Coding Information

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Title: 595BAW Fifth Wheel Jaw Unlock

Applies To: ProStar, LoneStar, TranStar, LT, RH

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

08/17/2016 - Updated SIR Coding 07/09/2018 - Removed Circuit Diagram Graphic and Added a Link to a PDF 07/09/2018 - Added References for 597017 07/09/2018 - Added LT, RH and Transtar to "Applies To:"	↑ ↓
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DESCRIPTION

Information on Feature 595BAW or 597017, Fifth Wheel Jaw Unlock

- 0595BAW or 597017 control the Fifth Wheel Jaw Unlock which has two air solenoids which provide air to unlock the jaw. The switch indicator, accompanied by an alarm, provides indication of switch activation.
- The key must be on, the park brake must be set and the switch must be pressed for 3 to 5 seconds, before the jaw will unlock.
- The alarm will be silenced when the key is cycled or the park brake is released.
- The switch indicator will flash if it is pressed and the park brake is not set.

SYMPTOMS

5th Wheel Jaw Unlock does not respond to switch.

POSSIBLE DIAGNOSTIC TROUBLE CODES

Any codes related to solenoid open, undercurrent or over current

SIGNALS TO WATCH

Signal	Unit	Watch	Name
Park Brake	On/Off		Park Brake_Signal
Fifth Wheel Jaw Unlock Sol2_Cmd	On/Off		Fifth Wheel Jaw Unlock Sol2_Cmd
Alarm(Cluster)_OnSteady	On/Off		EGC Alarm OnSteady Req
Fifth Wheel Control_State	Number		Fifth Wheel Control_State
Request_Delay_Timer	s		Request Delay Timer
DiagFilt_FifthWheelJawUnlockSwitch_5275	ms		DiagFilt_FifthWheelJawUnlockSwitch_5275
Fifth Wheel Jaw Unlock Sol2_Short_Flag	On/Off		Fifth Wheel Jaw Unlock Sol2_Short_Flag
Vehicle_Speed	mph		Wheel Based Vehicle Speed
Fifth Wheel Jaw Unlock Switch_Ind_Cmd	List		Fifth Wheel Jaw Unlock Switch_Ind_Cmd
DiagFilt_FifthWheelJawUnlockSol1Cmd_6419	ms		DiagFilt_FifthWheelJawUnlockSol1Cmd_6419
Alarm(Cluster)_1ShortBeep	On/Off		EGC Alarm 1ShortBeep Req
Fifth Wheel Jaw Unlock Sol1_Cmd	On/Off		Fifth Wheel Jaw Unlock Sol1_Cmd
Fifth Wheel Jaw Unlock Sol1_Short_Flag	On/Off		Fifth Wheel Jaw Unlock Sol1_Short_Flag
Fifth Wheel Jaw Unlock_Switch	On/Off		Fifth Wheel Jaw Unlock_Switch
Null_Text_Signal	On/Off		Null_Text_Signal
Key_State	Number		Key_State
DiagFilt_FifthWheelJawUnlockSol2Cmd_4079	ms		DiagFilt_FifthWheelJawUnlockSol2Cmd_4079
Alarm Latched_Flag	On/Off		Alarm Latched_Flag
Fifth Wheel Alarm_State	Number		Fifth Wheel Alarm_State
Fifth Wheel Indicator_State	Number		Fifth Wheel Indicator_State
Cadence_Change_Delay_Timer	s		Cadence_Change_Delay_Timer
Switch_Timer	s		Switch_Timer

Waiting for connection... (Communication cable is not responding)

TROUBLESHOOTING

1. Insure there are no switch or air solenoid issues. Check for DTC's.
2. The switch and solenoids can be monitored, with the DLB Software, while it is in diagnostic mode.
3. If switch activation is not seen in DLB, troubleshoot the switches.
4. If switch activation is seen in DLB and the output signals are firing, check to see if the solenoids are providing air. If not, troubleshoot circuits to the air solenoid 4 pack, the 4 pack and the solenoids
5. If the solenoids are providing air, check the airlines and plumbing to the jaw lock.

CIRCUIT DIAGRAMS

Click on the following link; [/service_kb/DocTool/Documents/Published/IK1900168/Files/5th_wheel_lock.pdf](https://service_kb/DocTool/Documents/Published/IK1900168/Files/5th_wheel_lock.pdf)

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