

MODEL S ALERT CODES



A Diagnostic Trouble Code (DTC) is an alphanumeric identifier for a fault condition identified by the On Board Diagnostic System (SAE j1930 v003). Tesla's diagnostic process does not generally rely on DTCs, however, and instead relies on event based troubleshooting via "alerts."

An alert is how the electronic control unit (ECU) denotes and records an event of interest. This can include faults, abnormal behavior, normal behavior, a particular use case (shift with foot off brake, driving with door open, etc.), and many other events. The key distinction is that Tesla alerts are event based troubleshooting as opposed to fault condition based troubleshooting.

Alerts can also trigger behaviors and/or messages on the User Interface (UI) to communicate with the driver in special circumstances where Tesla wants the driver to perform an action as a result of the event. For example, if the vehicle detects that the hood is unlatched, it can alert the driver that the hood is unlatched in addition to a traditional telltale. The UI may display a telltale, make a sound, change the UI, or display a message, depending on the UI behavior associated with the alert (if any).

Note: Some alerts apply only to certain vehicles, configurations, or markets. These alerts correspond to firmware version 2017.48.8. Alerts are subject to change as firmware versions change. New firmware versions are released regularly, and not all customer vehicles receive updates at the same time. Thus, no single firmware version will correspond to all customer vehicles at any given time.

Signal Name	APP_w009_aebFault
Shown to Customer	True
Debug Text	APP_w009_aebFault
User Message	Automatic Emergency Braking Is Disabled:
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_WARNING

Signal Name	APP_w225_IcDegradedVisSpeedLmt
Shown to Customer	True
Debug Text	APP_w225_IcDegradedVisSpeedLmt
User Message	Autosteer Max Speed Is Limited: Contact Tesla Service for Manual Calibration
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f001_HW_Over_Current
Shown to Customer	True
Debug Text	BMS_f001_HW_Over_Current
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_f002_HW_Over_Voltage
Shown to Customer	True
Debug Text	BMS_f002_HW_Over_Voltage
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f003_HW_Module_Alarm
Shown to Customer	True
Debug Text	BMS_f003_HW_Module_Alarm
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f009_SW_Pos_Contactor_Drive
Shown to Customer	True
Debug Text	BMS_f009_SW_Pos_Contactor_Drive
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f010_SW_Neg_Contactor_Drive
Shown to Customer	True
Debug Text	BMS_f010_SW_Neg_Contactor_Drive
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_f011_HW_Illegal_Ctr_Req
Shown to Customer	True
Debug Text	BMS_f011_HW_Illegal_Ctr_Req
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f016_SW_Thermal_Gradient
Shown to Customer	True
Debug Text	BMS_f016_SW_Thermal_Gradient
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f017_SW_Brick_OV
Shown to Customer	True
Debug Text	BMS_f017_SW_Brick_OV
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f018_SW_Brick_UV
Shown to Customer	True
Debug Text	BMS_f018_SW_Brick_UV
User Message	Battery Power Too Low: Charge Battery
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_f020_SW_BMB_PCB_OT
Shown to Customer	True
Debug Text	BMS_f020_SW_BMB_PCB_OT
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f022_SW_Over_Current
Shown to Customer	True
Debug Text	BMS_f022_SW_Over_Current
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f024_SW_Ctrs_Open_Under_Load
Shown to Customer	True
Debug Text	BMS_f024_SW_Ctrs_Open_Under_Load
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f029_SW_Current_Sensor_Reset
Shown to Customer	True
Debug Text	BMS_f029_SW_Current_Sensor_Reset
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_f030_SW_Chg_Port_Door_Open
Shown to Customer	True
Debug Text	BMS_f030_SW_Chg_Port_Door_Open
User Message	Unable to Drive: Check Charge Port
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_CHARGE_WARNING• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f031_SW_Precharge_Res_Hot
Shown to Customer	True
Debug Text	BMS_f031_SW_Precharge_Res_Hot
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f036_SW_HVIL
Shown to Customer	True
Debug Text	BMS_f036_SW_HVIL
User Message	Car Needs Service: Car May Not Restart
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f037_SW_Pos_Contactor
Shown to Customer	True
Debug Text	BMS_f037_SW_Pos_Contactor
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_FAILURE• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_f038_SW_Neg_Contactor
Shown to Customer	True
Debug Text	BMS_f038_SW_Neg_Contactor
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_FAILURE • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f039_SW_DC_Link_Over_Voltage
Shown to Customer	True
Debug Text	BMS_f039_SW_DC_Link_Over_Voltage
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f052_SW_Charger_MIA
Shown to Customer	True
Debug Text	BMS_f052_SW_Charger_MIA
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f055_SW_Pump
Shown to Customer	True
Debug Text	BMS_f055_SW_Pump
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_f056_SW_Module_Temp_Outlier
Shown to Customer	True
Debug Text	BMS_f056_SW_Module_Temp_Outlier
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f057_SW_Chiller
Shown to Customer	True
Debug Text	BMS_f057_SW_Chiller
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f058_SW_Heater_Performance
Shown to Customer	True
Debug Text	BMS_f058_SW_Heater_Performance
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f060_SW_BMB_Power_Supply
Shown to Customer	True
Debug Text	BMS_f060_SW_BMB_Power_Supply
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_f062_SW_Ctr_Pwr_Supply
Shown to Customer	True
Debug Text	BMS_f062_SW_Ctr_Pwr_Supply
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f063_SW_Precharge_Failure
Shown to Customer	True
Debug Text	BMS_f063_SW_Precharge_Failure
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f064_SW_BrickV_Imbalance
Shown to Customer	True
Debug Text	BMS_f064_SW_BrickV_Imbalance
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f066_SW_High_Brick_Imp
Shown to Customer	True
Debug Text	BMS_f066_SW_High_Brick_Imp
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_f067_SW_Low_Coolnt_Flow_Rate
Shown to Customer	True
Debug Text	BMS_f067_SW_Low_Coolnt_Flow_Rate
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f068_SW_Low_SOC
Shown to Customer	True
Debug Text	BMS_f068_SW_Low_SOC
User Message	Battery Power Very Low: Charge Battery Immediately
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f069_SW_Low_Power
Shown to Customer	True
Debug Text	BMS_f069_SW_Low_Power
User Message	Battery Power Too Low: Charge Battery
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f071_SW_SM_TransCon_Not_Met
Shown to Customer	True
Debug Text	BMS_f071_SW_SM_TransCon_Not_Met
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_f077_SW_Charger_Regulation
Shown to Customer	True
Debug Text	BMS_f077_SW_Charger_Regulation
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f079_SW_Ctr_Pwr_Interrupted
Shown to Customer	True
Debug Text	BMS_f079_SW_Ctr_Pwr_Interrupted
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f084_SW_Pack_Imbalance
Shown to Customer	True
Debug Text	BMS_f084_SW_Pack_Imbalance
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f085_SW_Prechg_Too_Slow
Shown to Customer	True
Debug Text	BMS_f085_SW_Prechg_Too_Slow
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_f086_SW_Not_Ok_To_Precharge
Shown to Customer	True
Debug Text	BMS_f086_SW_Not_Ok_To_Precharge
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f087_SW_Prechg_Too_Fast
Shown to Customer	True
Debug Text	BMS_f087_SW_Prechg_Too_Fast
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f088_SW_DTC
Shown to Customer	True
Debug Text	BMS_f088_SW_DTC
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f089_SW_THC_MIA
Shown to Customer	True
Debug Text	BMS_f089_SW_THC_MIA
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_f093_SW_FastChg_Problem
Shown to Customer	True
Debug Text	BMS_f093_SW_FastChg_Problem
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f095_SW_FastChg_Regulation
Shown to Customer	True
Debug Text	BMS_f095_SW_FastChg_Regulation
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f096_SW_Fast_Charger_MIA
Shown to Customer	True
Debug Text	BMS_f096_SW_Fast_Charger_MIA
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f097_HW_BMB_Under_Voltage
Shown to Customer	True
Debug Text	BMS_f097_HW_BMB_Under_Voltage
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_f098_HW_BMB_Over_Voltage
Shown to Customer	True
Debug Text	BMS_f098_HW_BMB_Over_Voltage
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f099_SW_BMB_Communication
Shown to Customer	True
Debug Text	BMS_f099_SW_BMB_Communication
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f104_HW_BMB_Enumeration
Shown to Customer	True
Debug Text	BMS_f104_HW_BMB_Enumeration
User Message	Car Needs Service: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_FAILURE• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f105_SW_One_Module_Tsense
Shown to Customer	True
Debug Text	BMS_f105_SW_One_Module_Tsense
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_f109_SW_Bleed_Resistor
Shown to Customer	True
Debug Text	BMS_f109_SW_Bleed_Resistor
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f111_SW_BMB_ADC_
Shown to Customer	True
Debug Text	BMS_f111_SW_BMB_ADC_
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f114_SW_FC_Contactors
Shown to Customer	True
Debug Text	BMS_f114_SW_FC_Contactors
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f124_SW_BMB_Comm_Integrity
Shown to Customer	True
Debug Text	BMS_f124_SW_BMB_Comm_Integrity
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_f125_SW_BMS_Ctr_Curr_Sensor
Shown to Customer	True
Debug Text	BMS_f125_SW_BMS_Ctr_Curr_Sensor
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f127_SW_CPLD_CRC
Shown to Customer	True
Debug Text	BMS_f127_SW_CPLD_CRC
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f129_SW_BMB_VSH_Connector
Shown to Customer	True
Debug Text	BMS_f129_SW_BMB_VSH_Connector
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f130_SW_Module_Alrm_Redund
Shown to Customer	True
Debug Text	BMS_f130_SW_Module_Alrm_Redund
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_f134_SW_Delayed_Ctr_Off
Shown to Customer	True
Debug Text	BMS_f134_SW_Delayed_Ctr_Off
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f136_SW_Module_OT_Warning
Shown to Customer	True
Debug Text	BMS_f136_SW_Module_OT_Warning
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f137_SW_Brick_UV_Warning
Shown to Customer	True
Debug Text	BMS_f137_SW_Brick_UV_Warning
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f138_SW_Brick_OV_Warning
Shown to Customer	True
Debug Text	BMS_f138_SW_Brick_OV_Warning
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_f139_SW_DC_Link_V_Irrational
Shown to Customer	True
Debug Text	BMS_f139_SW_DC_Link_V_Irrational
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f140_SW_OverCurrent_Sense
Shown to Customer	True
Debug Text	BMS_f140_SW_OverCurrent_Sense
User Message	Car Needs Service: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_FAILURE• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f142_SW_Isolation_Degradatio
Shown to Customer	True
Debug Text	BMS_f142_SW_Isolation_Degradatio
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f143_SW_BMB_OTP_Reg_Wrong
Shown to Customer	True
Debug Text	BMB OTP register does not match expected value -- illegal combination of BMS HWID and BMB ModuleID(s).
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_f144_SW_CPLD_Version_Wrong
Shown to Customer	True
Debug Text	CPLD version not supported by this FW -- illegal combination FW / CPLD version.
User Message	Car Needs Service: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_FAILURE • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f145_SW_socChange
Shown to Customer	True
Debug Text	BMS_f145_SW_socChange
User Message	Car Needs Service: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f149_SW_precharge_too_short
Shown to Customer	True
Debug Text	BMS_f149_SW_precharge_too_short
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f150_SW_precharge_too_long
Shown to Customer	True
Debug Text	BMS_f150_SW_precharge_too_long
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_CUTOFF • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_f152_SW_pos_contactor_welded
Shown to Customer	True
Debug Text	BMS_f152_SW_pos_contactor_welded
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_FAILURE• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f153_SW_neg_contactor_welded
Shown to Customer	True
Debug Text	BMS_f153_SW_neg_contactor_welded
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_FAILURE• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f162_SW_FC_Prechg_Too_Slow
Shown to Customer	True
Debug Text	BMS_f162_SW_FC_Prechg_Too_Slow
User Message	Unable to Charge: Unplug and Try Again
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f164_SW_Brick_SOC_Imbalance
Shown to Customer	True
Debug Text	SOC Imbalance exists between bricks associated with a single BMB.
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_f165_SW_Module_SOC_Imbalance
Shown to Customer	True
Debug Text	SOC Imbalance exists between minBrickSOC and avgBrickSOC; likely an entire battery module at lower SOC.
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_f166_SW_AhToBeCharged_Imbal
Shown to Customer	True
Debug Text	AhToBeCharged Imbalance exists; battery pack may be poorly balanced.
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_u001_DisChg_While_Charging
Shown to Customer	True
Debug Text	BMS_u001_DisChg_While_Charging
User Message	Weak Power Source: Cannot Charge Battery
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME_NOTIFICATION • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	BMS_u002_Ramp_Down_Active
Shown to Customer	True
Debug Text	BMS_u002_Ramp_Down_Active
User Message	Car Shutting Down: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_REPEAT_CHIME • Shown on Cluster: False • Sound Repeated: True • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_u003_Insufficient_drive_pwr
Shown to Customer	True
Debug Text	BMS_u003_Insufficient_drive_pwr
User Message	Battery Power Too Low: Charge Battery
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_u004_Charge_Cable_Connected
Shown to Customer	True
Debug Text	BMS_u004_Charge_Cable_Connected
User Message	Unable to Drive: Check Charge Port
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_CHARGE_WARNING• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_u005_Low_Power_Until_Charge
Shown to Customer	True
Debug Text	BMS_u005_Low_Power_Until_Charge
User Message	Power Reduced Until Charged: Charge Battery Immediately
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_NOTIFICATION• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	BMS_u006_End_of_Drive_Ramp_Down
Shown to Customer	True
Debug Text	BMS_u006_End_of_Drive_Ramp_Down
User Message	Car Shutting Down: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_REPEAT_CHIME• Shown on Cluster: False• Sound Repeated: True• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_u008_limpMode
Shown to Customer	True
Debug Text	BMS_u008_limpMode
User Message	Acceleration Reduced: Contact Tesla Service When Convenient
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_u011_Fast_Charger_Problem
Shown to Customer	True
Debug Text	BMS_u011_Fast_Charger_Problem
User Message	Unable to Charge: Unplug and Try Again
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_u012_Fast_Charger_Incompat
Shown to Customer	True
Debug Text	BMS_u012_Fast_Charger_Incompat
User Message	Unable to Charge: Incompatible Software Versions
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_u013_Not_Supercharge_Capable
Shown to Customer	True
Debug Text	BMS_u013_Not_Supercharge_Capable
User Message	Unable to Charge: Supercharging Option Not Enabled
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_NOTIFICATION • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_NOTIFICATION



Signal Name	BMS_u014_Not_Enough_Pwr_To_Heat
Shown to Customer	True
Debug Text	BMS_u014_Not_Enough_Pwr_To_Heat
User Message	Power Source Too Weak to Heat Battery: Charging Reduced Until Battery Warms Up
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_NOTIFICATION• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	BMS_u015_Not_Fast_Charge_Capable
Shown to Customer	True
Debug Text	BMS_u015_Not_Fast_Charge_Capable
User Message	Unable to Charge: DC Charging Hardware Not Enabled
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_NOTIFICATION• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	BMS_u016_FEIM_Delayed_Ctr_Close
Shown to Customer	True
Debug Text	BMS_u016_FEIM_Delayed_Ctr_Close
User Message	Performing System Check: Please Wait
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_NOTIFICATION• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	BMS_u017_Charge_Already_Complete
Shown to Customer	True
Debug Text	BMS_u017_Charge_Already_Complete
User Message	Battery Level Exceeds Charge Limit: Raise Charge Limit Setting to Charge Further
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_u018_Max_Charge_Limited
Shown to Customer	True
Debug Text	BMS_u018_Max_Charge_Limited
User Message	Battery Charge Level Will Be Restricted:
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_FAILURE • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_u019_Acceleration_Reduced
Shown to Customer	True
Debug Text	BMS_u019_Acceleration_Reduced
User Message	Acceleration Reduced: Contact Tesla Service When Convenient
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_u020_Cannot_Precharge_FC
Shown to Customer	True
Debug Text	BMS_u020_Cannot_Precharge_FC
User Message	Charging Problem: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_CHARGE_WARNING • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_w007_SW_Module_Alarm_Broken
Shown to Customer	True
Debug Text	BMS_w007_SW_Module_Alarm_Broken
User Message	Car Shutting Down: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_REPEAT_CHIME • Shown on Cluster: False • Sound Repeated: True • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_w008_HW_HVIL
Shown to Customer	True
Debug Text	BMS_w008_HW_HVIL
User Message	Car Needs Service: Car May Not Restart
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_w019_SW_BMB_Module_OT
Shown to Customer	True
Debug Text	BMS_w019_SW_BMB_Module_OT
User Message	Car Shutting Down: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_REPEAT_CHIME• Shown on Cluster: False• Sound Repeated: True• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_w023_SW_Contactors_Open_HWOC
Shown to Customer	True
Debug Text	BMS_w023_SW_Contactors_Open_HWOC
User Message	Car Needs Service: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_FAILURE• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_w026_SW_Ctrs_Disabled
Shown to Customer	True
Debug Text	BMS_w026_SW_Ctrs_Disabled
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_w034_SW_Isolation_Sensor
Shown to Customer	True
Debug Text	BMS_w034_SW_Isolation_Sensor
User Message	Car Shutting Down: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_REPEAT_CHIME • Shown on Cluster: False • Sound Repeated: True • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_w035_SW_Isolation
Shown to Customer	True
Debug Text	BMS_w035_SW_Isolation
User Message	Car Needs Service: Car May Not Restart
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_w050_SW_BMB_MIA
Shown to Customer	True
Debug Text	BMS_w050_SW_BMB_MIA
User Message	Car Needs Service: Car May Not Restart
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_w051_SW_Current_Sensor_MIA
Shown to Customer	True
Debug Text	BMS_w051_SW_Current_Sensor_MIA
User Message	Car Needs Service: Car May Not Restart
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_w054_SW_Current_Sensor
Shown to Customer	True
Debug Text	BMS_w054_SW_Current_Sensor
User Message	Car Needs Service: Car May Not Restart
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_w059_SW_Pack_Voltage_Sensing
Shown to Customer	True
Debug Text	BMS_w059_SW_Pack_Voltage_Sensing
User Message	Car Needs Service: Car May Not Restart
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_w061_SW_BMS_Power_Supply
Shown to Customer	True
Debug Text	BMS_w061_SW_BMS_Power_Supply
User Message	Car Needs Service: Car May Not Restart
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_w074_SW_Charging
Shown to Customer	True
Debug Text	BMS_w074_SW_Charging
User Message	:
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CENTER_DISPLAY_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_w080_SW_Int_HV_Disconnect
Shown to Customer	True
Debug Text	BMS_w080_SW_Int_HV_Disconnect
User Message	Car Needs Service: Car May Not Restart
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_w094_SW_Drive_Inverter_MIA
Shown to Customer	True
Debug Text	BMS_w094_SW_Drive_Inverter_MIA
User Message	Car Needs Service: Power Reduced
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_w100_HW_BMB_Reset
Shown to Customer	True
Debug Text	BMS_w100_HW_BMB_Reset
User Message	Car Shutting Down: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_REPEAT_CHIME • Shown on Cluster: False • Sound Repeated: True • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_w101_HW_BMB_Over_Temperature
Shown to Customer	True
Debug Text	BMS_w101_HW_BMB_Over_Temperature
User Message	Car Shutting Down: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_REPEAT_CHIME • Shown on Cluster: False • Sound Repeated: True • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_w102_HW_BMB_Thermal_Shutdown
Shown to Customer	True
Debug Text	BMS_w102_HW_BMB_Thermal_Shutdown
User Message	Car Shutting Down: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_REPEAT_CHIME• Shown on Cluster: False• Sound Repeated: True• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_w106_SW_All_Module_Tsense
Shown to Customer	True
Debug Text	BMS_w106_SW_All_Module_Tsense
User Message	Car Needs Service: Car May Not Restart
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_w107_SW_Cell_Voltage_Sensor
Shown to Customer	True
Debug Text	BMS_w107_SW_Cell_Voltage_Sensor
User Message	Car Needs Service: Car May Not Restart
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_w108_HW_BMB_Alarm_Self_Test
Shown to Customer	True
Debug Text	BMS_w108_HW_BMB_Alarm_Self_Test
User Message	Car Shutting Down: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_REPEAT_CHIME• Shown on Cluster: False• Sound Repeated: True• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_w110_SW_Module_Vsense
Shown to Customer	True
Debug Text	BMS_w110_SW_Module_Vsense
User Message	Car Needs Service: Car May Not Restart
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_w117_SW_Wrong_Battery_Pack
Shown to Customer	True
Debug Text	BMS_w117_SW_Wrong_Battery_Pack
User Message	Car Needs Service: Car Will Not Charge
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_w123_SW_Internal_Isolation
Shown to Customer	True
Debug Text	BMS_w123_SW_Internal_Isolation
User Message	Car Needs Service: Car May Not Restart
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_w132_HW_BMB_OTP_Uncorrctbl
Shown to Customer	True
Debug Text	BMS_w132_HW_BMB_OTP_Uncorrctbl
User Message	Car Shutting Down: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_REPEAT_CHIME • Shown on Cluster: False • Sound Repeated: True • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	BMS_w141_SW_12V_Pwr_Supply_Low
Shown to Customer	True
Debug Text	BMS_w141_SW_12V_Pwr_Supply_Low
User Message	Car Needs Service: Power Reduced and Car Will Not Charge
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_w146_SW_Brick_Overdischarged
Shown to Customer	True
Debug Text	BMS_w146_SW_Brick_Overdischarged
User Message	Car Needs Service: Car May Not Restart
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_w151_SW_external_isolation
Shown to Customer	True
Debug Text	BMS_w151_SW_external_isolation
User Message	Car Needs Service: Car May Not Restart
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	BMS_w156_SW_BMB_Vref_bad
Shown to Customer	True
Debug Text	BMS_w156_SW_BMB_Vref_bad
User Message	Car Needs Service: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	CHG_f011_hwVInOV
Shown to Customer	True
Debug Text	CHG_f011_hwVInOV
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_f012_hwFastChargeDriver
Shown to Customer	True
Debug Text	CHG_f012_hwFastChargeDriver
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_f016_hwVOutOV
Shown to Customer	True
Debug Text	CHG_f016_hwVOutOV
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_f017_hwIntermediateBus
Shown to Customer	True
Debug Text	CHG_f017_hwIntermediateBus
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_WARNING



Signal Name	CHG_f018_hwLineOC
Shown to Customer	True
Debug Text	CHG_f018_hwLineOC
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_f019_hwIBatOC
Shown to Customer	True
Debug Text	CHG_f019_hwIBatOC
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_f020_hwHVIL
Shown to Customer	True
Debug Text	CHG_f020_hwHVIL
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_f022_hwI2VUV
Shown to Customer	True
Debug Text	CHG_f022_hwI2VUV
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING



Signal Name	CHG_f024_VLineOVpk
Shown to Customer	True
Debug Text	CHG_f024_VLineOVpk
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_f025_VLineUV
Shown to Customer	True
Debug Text	CHG_f025_VLineUV
User Message	No Wall Power: Unable to Charge: Check Power Source
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_f026_VOutOV
Shown to Customer	True
Debug Text	CHG_f026_VOutOV
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_f027_VOutUV
Shown to Customer	True
Debug Text	CHG_f027_VOutUV
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_WARNING



Signal Name	CHG_f028_igbtOT
Shown to Customer	True
Debug Text	CHG_f028_igbtOT
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_f030_VLineFreqOF
Shown to Customer	True
Debug Text	CHG_f030_VLineFreqOF
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_f031_VLineFreqUF
Shown to Customer	True
Debug Text	CHG_f031_VLineFreqUF
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_f034_swHVIL
Shown to Customer	True
Debug Text	CHG_f034_swHVIL
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING



Signal Name	CHG_f035_pilotRationality
Shown to Customer	True
Debug Text	CHG_f035_pilotRationality
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_f055_VLineDischarge
Shown to Customer	True
Debug Text	CHG_f055_VLineDischarge
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_f057_VLineOV
Shown to Customer	True
Debug Text	CHG_f057_VLineOV
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_f065_FCCntrRationalitycheck
Shown to Customer	True
Debug Text	CHG_f065_FCCntrRationalitycheck
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_WARNING



Signal Name	CHG_f076_iLineOCPk
Shown to Customer	True
Debug Text	CHG_f076_iLineOCPk
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_f077_iLineOCRMS
Shown to Customer	True
Debug Text	CHG_f077_iLineOCRMS
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_f078_boostPrechargeFail
Shown to Customer	True
Debug Text	CHG_f078_boostPrechargeFail
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_f079_GFCI
Shown to Customer	True
Debug Text	CHG_f079_GFCI
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING



Signal Name	CHG_f080_vIntOutOfRange
Shown to Customer	True
Debug Text	CHG_f080_vIntOutOfRange
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_f081_iacRegulation
Shown to Customer	True
Debug Text	CHG_f081_iacRegulation
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_f091_proximityRationality
Shown to Customer	True
Debug Text	CHG_f091_proximityRationality
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_f099_noFlowDetected
Shown to Customer	True
Debug Text	CHG_f099_noFlowDetected
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_WARNING



Signal Name	CHG_f108_cpCoverOpen
Shown to Customer	True
Debug Text	CHG_f108_cpCoverOpen
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_u001_LineImpedanceHigh
Shown to Customer	True
Debug Text	CHG_u001_LineImpedanceHigh
User Message	Charge Speed Reduced: Ext. Cord Used or Bad Wiring
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME_NOTIFICATION• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	CHG_u002_LineImpedanceTooHigh
Shown to Customer	True
Debug Text	CHG_u002_LineImpedanceTooHigh
User Message	Unable to Charge: Ext. Cord Used or Bad Wiring
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME_NOTIFICATION• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	CHG_u003_chargeThermalLimit
Shown to Customer	True
Debug Text	CHG_u003_chargeThermalLimit
User Message	Vehicle Systems Very Hot: Charge Speed Reduced
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_NOTIFICATION• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_NOTIFICATION



Signal Name	CHG_u004_wallPowerRemoval
Shown to Customer	True
Debug Text	CHG_u004_wallPowerRemoval
User Message	No Wall Power: Charge Interrupted: Check Power Source
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME_NOTIFICATION • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	CHG_u005_proxLatchedNoPilot
Shown to Customer	True
Debug Text	CHG_u005_proxLatchedNoPilot
User Message	No Wall Power: Check Power Source and Charge Cable
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME_NOTIFICATION • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	CHG_u006_latchDownProxLatched
Shown to Customer	True
Debug Text	CHG_u006_latchDownProxLatched
User Message	Charge Cable Unlatched: Fully Insert Cable Into Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_u007_chargeCableFault
Shown to Customer	True
Debug Text	CHG_u007_chargeCableFault
User Message	Charge Cable Fault: See Charge Cable Manual
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	CHG_u010_BadChargeCable
Shown to Customer	True
Debug Text	CHG_u010_BadChargeCable
User Message	Charge Cable Problem: Try a Different Cable
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_NOTIFICATION• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	CHG_u012_PilotCurrentReduced
Shown to Customer	True
Debug Text	CHG_u012_PilotCurrentReduced
User Message	Charging Problem: Check Power Source and Charge Cable
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_CHARGE_WARNING• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_u013_chargeStoppedNoPilot
Shown to Customer	True
Debug Text	CHG_u013_chargeStoppedNoPilot
User Message	No Wall Power: Charge Interrupted: Check Power Source
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME_NOTIFICATION• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	CHG_u014_connectorFault
Shown to Customer	True
Debug Text	CHG_u014_connectorFault
User Message	Unable to Charge: Charge Station Issue
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	CHG_u015_FCdisabled
Shown to Customer	True
Debug Text	CHG_u015_FCdisabled
User Message	Car Needs Service: Unable to DC Fast Charge
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_w009_hwFCWeld
Shown to Customer	True
Debug Text	CHG_w009_hwFCWeld
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_w036_HVJB_disconnected
Shown to Customer	True
Debug Text	CHG_w036_HVJB_disconnected
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_w047_HVJB_groundLoss
Shown to Customer	True
Debug Text	CHG_w047_HVJB_groundLoss
User Message	Unable to Charge: Close Charge Port Door, Press Brake Pedal, Then Try Again
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_WARNING



Signal Name	CHG_w062_FCPosCntrWelded
Shown to Customer	True
Debug Text	CHG_w062_FCPosCntrWelded
User Message	Car Needs Service: Unable to Charge
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_w063_FCNegCntrWelded
Shown to Customer	True
Debug Text	CHG_w063_FCNegCntrWelded
User Message	Car Needs Service: Unable to Charge
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_w117_HVJBOTFault
Shown to Customer	True
Debug Text	CHG_w117_HVJBOTFault
User Message	Vehicle Systems Too Hot: Currently Unable to Charge
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	CHG_w120_HVJB_powerFault
Shown to Customer	True
Debug Text	CHG_w120_HVJB_powerFault
User Message	Car Needs Service: Unable to Charge
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	CHG_w124_ph3VersionMismatch
Shown to Customer	True
Debug Text	CHG_w124_ph3VersionMismatch
User Message	Software Update Required: Unable to Charge
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	CHGS_w124_ph3VersionMismatch
Shown to Customer	True
Debug Text	CHGS_w124_ph3VersionMismatch
User Message	Software Update Required: Unable to Charge
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	CP_w035_latchMovement_1
Shown to Customer	True
Debug Text	CP_w035_latchMovement_1
User Message	Never Insert Charge Cable Using the Charge Port Lever: Using Lever to Insert Cable Will Prevent Charging
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_CHARGE_WARNING • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	CP_w041_doorSensorUnplugged
Shown to Customer	True
Debug Text	CP_w041_doorSensorUnplugged
User Message	Charge Port Door Needs Replacing: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	CP_w042_doorAssemblyBroken
Shown to Customer	True
Debug Text	CP_w042_doorAssemblyBroken
User Message	Charge Port Door Needs Replacing: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	CP_w043_doorPotIrrational
Shown to Customer	True
Debug Text	CP_w043_doorPotIrrational
User Message	Charge Port Door Needs Replacing: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	DAS_w009_aebFault
Shown to Customer	True
Debug Text	DAS_w009_aebFault
User Message	Automatic Emergency Braking Is Disabled:
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING

Signal Name	DAS_w048_DAS_Features_Disabled
Shown to Customer	True
Debug Text	DAS_w048_DAS_Features_Disabled
User Message	Driver Assistance Features Unavailable: If Issue Persists, Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_NOTIFICATION• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_NOTIFICATION



Signal Name	DCDC_w002_overTemperature
Shown to Customer	True
Debug Text	DCDC_w002_overTemperature
User Message	Car Needs Service: Car May Shut Down Unexpectedly
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	DCDC_w005_inputNotOk
Shown to Customer	True
Debug Text	DCDC_w005_inputNotOk
User Message	Car Needs Service: Car May Shut Down Unexpectedly
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	DI_f012_accel5VSupply
Shown to Customer	True
Debug Text	Drive Inverter Fault: Accel 5V Supply out of bounds
User Message	Unable to Drive: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	DI_f017_hwPedalMonitor
Shown to Customer	True
Debug Text	Drive Inverter Fault: Pedal Monitor shutdown
User Message	Unable to Drive: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	DI_f019_hwAccelPedalPower
Shown to Customer	True
Debug Text	Drive Inverter Fault: Accel pedal power undervoltage
User Message	Unable to Drive: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	DI_f024_selfTest
Shown to Customer	True
Debug Text	Drive Inverter Fault: Self Start-up Test Failed
User Message	:
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CENTER_DISPLAY_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING

Signal Name	DI_f046_statorOT
Shown to Customer	True
Debug Text	Drive Inverter Fault: Stator over temperature
User Message	Vehicle Systems Too Hot: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_MOTOR_HOT• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	DI_f051_batteryOvercurrent
Shown to Customer	True
Debug Text	Drive Inverter Fault: Battery overcurrent detected in software
User Message	Unable to Drive: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	DI_f059_heatsinkOT
Shown to Customer	True
Debug Text	Drive Inverter Fault: Heatsink over temperature
User Message	Vehicle Systems Too Hot: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_MOTOR_HOT • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	DI_f160_busVoltageAnomaly
Shown to Customer	True
Debug Text	Drive Inverter Fault: Bus voltage anomaly detected
User Message	Unable to Drive: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	DI_u001_brakeShiftReq
Shown to Customer	True
Debug Text	Drive Inverter User Alert: Brake pedal required before shift can complete
User Message	:
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	DI_u002_shiftDenied
Shown to Customer	True
Debug Text	Drive Inverter User Alert: Shift request is denied
User Message	:
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	DI_u004_brakeOverride
Shown to Customer	True
Debug Text	Drive Inverter User Alert: Brake pedal overrides throttle pedal
User Message	Both Pedals Pressed: Removing Motor Power
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_REPEAT_CHIME• Shown on Cluster: False• Sound Repeated: True• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	DI_u007_keyNotAuthenticated
Shown to Customer	True
Debug Text	DI_u007_keyNotAuthenticated
User Message	Key Not Detected: Unable to Drive
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME_NOTIFICATION• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	DI_u008_proximityDriveDenial
Shown to Customer	True
Debug Text	Drive Inverter User Alert: Car is plugged in and cannot drive
User Message	Unable to Drive: Check Charge Port
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_CHARGE_WARNING• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	DI_u011_driveRailNotRequested
Shown to Customer	True
Debug Text	Drive Inverter User Alert: Drive rail not requested
User Message	Key Not Detected: Unable to Drive
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME_NOTIFICATION• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_NOTIFICATION



Signal Name	DI_u012_accelPressedInNP
Shown to Customer	True
Debug Text	Drive Inverter User Alert: Shift into gear to get torque
User Message	Shift into D or R to Drive:
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	DI_u013_bothPedalsPressed
Shown to Customer	True
Debug Text	Drive Inverter User Alert: Both accelerator and brake pedals pressed
User Message	Both Pedals Pressed:
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_REPEAT_CHIME • Shown on Cluster: False • Sound Repeated: True • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	DI_u014_notOkToStartDrive
Shown to Customer	True
Debug Text	Drive Inverter User Alert: 12V supply not sufficient for drive
User Message	Car Needs Service: Unable to Drive
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	DI_u015_crsNotAvailable
Shown to Customer	True
Debug Text	Drive Inverter User Alert: Cruise is not available
User Message	Cruise Not Available:
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	DI_u018_crsFrontCameraBlind
Shown to Customer	True
Debug Text	Drive Inverter User Alert: Cruise unavailable due to front camera visibility
User Message	Cruise Not Available: Reduced Front Camera Visibility
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	DI_u019_crsFrontRadarBlind
Shown to Customer	True
Debug Text	Drive Inverter User Alert: Cruise unavailable due to front radar visibility
User Message	Cruise Not Available: Reduced Front Radar Visibility
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	DI_u020_crsSeatbeltUnbuckled
Shown to Customer	True
Debug Text	Drive Inverter User Alert: Cruise unavailable due to unbuckled seatbelt
User Message	Cruise Not Available: Driver's Seat Belt Is Unbuckled
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	DI_u023_holdReleaseRqrd
Shown to Customer	True
Debug Text	Drive Inverter User Alert: Vehicle Hold release required
User Message	To Release Vehicle Hold: Press Brake Pedal
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME_RESUME_CRUISE• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_RESUME_CRUISE



Signal Name	DI_u024_autoparkCanceled
Shown to Customer	True
Debug Text	Drive Inverter User Alert: Autopark canceled
User Message	Autopark Canceled: Please Take Control
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	DI_u025_autoparkAborted
Shown to Customer	True
Debug Text	Drive Inverter User Alert: Autopark aborted
User Message	Autopark Canceled:
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	DI_u026_brakeStand
Shown to Customer	True
Debug Text	Drive Inverter User Alert: Brake stand active
User Message	Launch Mode Enabled:
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME_NOTIFICATION • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	DI_u028_crsPathNotClear
Shown to Customer	True
Debug Text	Drive Inverter User Alert: Cruise unavailable due to unclear path
User Message	Cruise Not Available: Obstacle in Path
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	DI_u030_crsCamsNotCalibrated
Shown to Customer	True
Debug Text	Drive Inverter User Alert: Cruise unavailable. Cameras not calibrated
User Message	Autopilot Features Currently Unavailable: Manual Driving Required While Camera Is Calibrating
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	DI_w039_regenLimited
Shown to Customer	True
Debug Text	Drive Inverter Warning: Regen limited significantly or disabled
User Message	Regenerative Braking Disabled: Proceed With Caution
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	DI_w040_disMIA
Shown to Customer	True
Debug Text	Drive Inverter Warning: DIS CAN node MIA
User Message	Front Motor Disabled: Power Reduced
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	DI_w062_systemLimpMode
Shown to Customer	True
Debug Text	Drive Inverter Warning: System limp mode triggered
User Message	Car Needs Service: Power Reduced
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	DI_w063_systemGracefulPowerOff
Shown to Customer	True
Debug Text	Drive Inverter Warning: System graceful power off triggered
User Message	Car Shutting Down: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_REPEAT_CHIME • Shown on Cluster: False • Sound Repeated: True • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	DI_w124_cruiseFault
Shown to Customer	True
Debug Text	Drive Inverter Fault: Cruise faulted
User Message	Cruise Control Disabled:
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	DI_w126_limpMode
Shown to Customer	True
Debug Text	Drive Inverter Warning: Unit limp mode triggered
User Message	Car Needs Service: Power Reduced
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	DI_w127_gracefulPowerOff
Shown to Customer	True
Debug Text	Drive Inverter Warning: Unit graceful power off triggered
User Message	Car Shutting Down: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_REPEAT_CHIME • Shown on Cluster: False • Sound Repeated: True • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	DI_w129_epbNotApplied
Shown to Customer	True
Debug Text	Drive Inverter Warning: EPB did not apply in standstill state
User Message	Automatic Braking Is Off: Press Brake Pedal
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	DI_w137_noCapableDriveUnits
Shown to Customer	True
Debug Text	Drive Inverter Warning: No capable drive units detected
User Message	Unable to Drive: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	DI_w138_frontUnitDisabled
Shown to Customer	True
Debug Text	Drive Inverter Warning: Front drive unit disabled
User Message	Front Motor Disabled: Power Reduced
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	DI_w139_rearUnitDisabled
Shown to Customer	True
Debug Text	Drive Inverter Warning: Rear drive unit disabled
User Message	Rear Motor Disabled: Power Reduced
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	DIS_w126_limpMode
Shown to Customer	True
Debug Text	Drive Inverter Slave Warning: Unit limp mode triggered
User Message	Car Needs Service: Power Reduced
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	DIS_w127_gracefulPowerOff
Shown to Customer	True
Debug Text	Drive Inverter Slave Warning: Unit graceful power off triggered
User Message	Front Motor Disabled: Power Reduced
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	DIS_w147_highTorqueWearLimit
Shown to Customer	True
Debug Text	Drive Inverter Slave Warning: High-torque mechanical wear limit reached
User Message	Drive Unit Needs Service: Avoid Hard Acceleration
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_WARNING

Signal Name	EAS_w005_EAS_reqReduceSpeedDisp
Shown to Customer	True
Debug Text	EAS_w005_EAS_reqReduceSpeedDisp
User Message	Air Suspension Needs Service: Please Reduce Speed
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	EAS_w007_EAS_LevelingNotPossible
Shown to Customer	True
Debug Text	EAS_w007_EAS_LevelingNotPossible
User Message	Air Suspension Needs Service: Unable to Adjust Height
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	EPAS_w001_steeringFault
Shown to Customer	True
Debug Text	EPAS_w001_steeringFault
User Message	Car Needs Service: Steering Assist Reduced
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	EPAS_w002_steeringReduced
Shown to Customer	True
Debug Text	EPAS_w002_steeringReduced
User Message	Car Needs Service: Steering Assist Reduced
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	EPB_u010_serviceModeEnabled
Shown to Customer	True
Debug Text	EPB_u010_serviceModeEnabled
User Message	Parking Brake Service Mode Enabled: Car Will Remain Free Rolling
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_NOTIFICATION• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_NOTIFICATION



Signal Name	EPB_w025_motorShortedApplyL
Shown to Customer	True
Debug Text	EPB_w025_motorShortedApplyL
User Message	Parking Brake Not Set: Car May Be Free Rolling
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	EPB_w050_resetRequired
Shown to Customer	True
Debug Text	EPB_w050_resetRequired
User Message	Parking Brake Needs Attention: Press Park Button to Reset
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	EPB_w051_epbNotApplied
Shown to Customer	True
Debug Text	EPB_w051_epbNotApplied
User Message	Parking Brake Not Set: Car May Be Free Rolling
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	EPB_w053_epbNotReleased
Shown to Customer	True
Debug Text	EPB_w053_epbNotReleased
User Message	Parking Brake Did Not Release: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	EPB_w095_invalidConfig
Shown to Customer	True
Debug Text	EPB_w095_invalidConfig
User Message	Parking Brake Needs Service: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	ESP_w001_absFaultLamp
Shown to Customer	True
Debug Text	
User Message	ABS Needs Service: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	ESP_w002_espFaultLamp
Shown to Customer	True
Debug Text	
User Message	Stability Control Disabled: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	ESP_w003_tcDisabledByFault
Shown to Customer	True
Debug Text	
User Message	Traction Control Disabled: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	ESP_w004_messageEBDFailure
Shown to Customer	True
Debug Text	
User Message	ABS Needs Service: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	ESP_w005_messagePumpFailure
Shown to Customer	True
Debug Text	
User Message	Power Brake Assist Reduced: Brake Firmly to Slow/Stop
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	ESP_w006_messagePumpService
Shown to Customer	True
Debug Text	
User Message	Service Power Brakes Soon: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f051_thcPlatformMismatch
Shown to Customer	True
Debug Text	GTW_f051_thcPlatformMismatch
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_f052_bmsPlatformMismatch
Shown to Customer	True
Debug Text	GTW_f052_bmsPlatformMismatch
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f053_gtwPlatformMismatch
Shown to Customer	True
Debug Text	GTW_f053_gtwPlatformMismatch
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f054_diPlatformMismatch
Shown to Customer	True
Debug Text	GTW_f054_diPlatformMismatch
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f055_cpPlatformMismatch
Shown to Customer	True
Debug Text	GTW_f055_cpPlatformMismatch
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_f056_chgPlatformMismatch
Shown to Customer	True
Debug Text	GTW_f056_chgPlatformMismatch
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f057_chgsPlatformMismatch
Shown to Customer	True
Debug Text	GTW_f057_chgsPlatformMismatch
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f082_disPlatformMismatch
Shown to Customer	True
Debug Text	GTW_f082_disPlatformMismatch
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f085_pmPlatformMismatch
Shown to Customer	True
Debug Text	GTW_f085_pmPlatformMismatch
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_f094_bmsCpldVersionMismatch
Shown to Customer	True
Debug Text	GTW_f094_bmsCpldVersionMismatch
User Message	Software Update Required: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f095_chgCpldVersionMismatch
Shown to Customer	True
Debug Text	GTW_f095_chgCpldVersionMismatch
User Message	Software Update Required: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f096_diCpldVersionMismatch
Shown to Customer	True
Debug Text	GTW_f096_diCpldVersionMismatch
User Message	Software Update Required: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f097_chgsCpldVersionMismatch
Shown to Customer	True
Debug Text	GTW_f097_chgsCpldVersionMismatch
User Message	Software Update Required: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_f098_disCpldVersionMismatch
Shown to Customer	True
Debug Text	GTW_f098_disCpldVersionMismatch
User Message	Software Update Required: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f101_epbPlatformMismatch
Shown to Customer	True
Debug Text	GTW_f101_epbPlatformMismatch
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f103_epbmPlatformMismatch
Shown to Customer	True
Debug Text	GTW_f103_epbmPlatformMismatch
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f187_chgph1PlatformMismatch
Shown to Customer	True
Debug Text	GTW_f187_chgph1PlatformMismatch
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_f188_chgph2PlatformMismatch
Shown to Customer	True
Debug Text	GTW_f188_chgph2PlatformMismatch
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f189_chgph3PlatformMismatch
Shown to Customer	True
Debug Text	GTW_f189_chgph3PlatformMismatch
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f190_chgsph1PlatformMismatch
Shown to Customer	True
Debug Text	GTW_f190_chgsph1PlatformMismatch
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f191_chgsph2PlatformMismatch
Shown to Customer	True
Debug Text	GTW_f191_chgsph2PlatformMismatch
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_f192_chgsph3PlatformMismatch
Shown to Customer	True
Debug Text	GTW_f192_chgsph3PlatformMismatch
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f196_chgph1CpldVersMismatch
Shown to Customer	True
Debug Text	GTW_f196_chgph1CpldVersMismatch
User Message	Software Update Required: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f197_chgph2CpldVersMismatch
Shown to Customer	True
Debug Text	GTW_f197_chgph2CpldVersMismatch
User Message	Software Update Required: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f198_chgph3CpldVersMismatch
Shown to Customer	True
Debug Text	GTW_f198_chgph3CpldVersMismatch
User Message	Software Update Required: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_f202_chgsph1CpldVersMismatch
Shown to Customer	True
Debug Text	GTW_f202_chgsph1CpldVersMismatch
User Message	Software Update Required: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f203_chgsph2CpldVersMismatch
Shown to Customer	True
Debug Text	GTW_f203_chgsph2CpldVersMismatch
User Message	Software Update Required: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f204_chgsph3CpldVersMismatch
Shown to Customer	True
Debug Text	GTW_f204_chgsph3CpldVersMismatch
User Message	Software Update Required: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f208_noDriveAllowed
Shown to Customer	True
Debug Text	GTW_f208_noDriveAllowed
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_f209_noChargeAllowed
Shown to Customer	True
Debug Text	GTW_f209_noChargeAllowed
User Message	Car Needs Service: Unable to Charge
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f210_noSupportAllowed
Shown to Customer	True
Debug Text	GTW_f210_noSupportAllowed
User Message	Car Needs Service: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_BATTERY_FAILURE • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f227_icPlatformMismatch
Shown to Customer	True
Debug Text	GTW_f227_icPlatformMismatch
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f228_icFpgaVersionMismatch
Shown to Customer	True
Debug Text	GTW_f228_icFpgaVersionMismatch
User Message	Software Update Required: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_f232_pmsPlatformMismatch
Shown to Customer	True
Debug Text	GTW_f232_pmsPlatformMismatch
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f243_espConfigMismatch
Shown to Customer	True
Debug Text	GTW_f243_espConfigMismatch
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f244_bcConfigMismatch
Shown to Customer	True
Debug Text	GTW_f244_bcConfigMismatch
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f253_radcVersionMismatch
Shown to Customer	True
Debug Text	GTW_f253_radcVersionMismatch
User Message	Software Update Required: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_f259_radcPlatformMismatch
Shown to Customer	True
Debug Text	GTW_f259_radcPlatformMismatch
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f293_espHwCfgMismatch
Shown to Customer	True
Debug Text	GTW_f293_espHwCfgMismatch
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_f294_ibstHwCfgMismatch
Shown to Customer	True
Debug Text	GTW_f294_ibstHwCfgMismatch
User Message	Car Needs Service: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_u001_chgCableConnected
Shown to Customer	True
Debug Text	Cant start because of charge cable
User Message	Unable to Drive: Check Charge Port
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_CHARGE_WARNING • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_u002_keyNotInside
Shown to Customer	True
Debug Text	Cant start because the key is not inside the vehicle
User Message	Key Not Inside: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME_NOTIFICATION• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	GTW_u003_bmsPower
Shown to Customer	True
Debug Text	Cant start because of BMS_notEnoughPowerForDrive
User Message	Battery Power Too Low: Charge Battery
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_u005_dead12vBattery
Shown to Customer	True
Debug Text	Can't charge or start - Charge 12V
User Message	12V Battery Power Low: Charge Car or Jump 12V Battery
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_u006_cabinSocTooLow
Shown to Customer	True
Debug Text	Can't precondition - SOC Too Low
User Message	Battery Power Very Low: Unable to Precondition Cabin
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME_NOTIFICATION• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_NOTIFICATION



Signal Name	GTW_u007_cabinOpen
Shown to Customer	True
Debug Text	Cant precondition cabin: door or trunk is open
User Message	Door or Trunk Open: Unable to Precondition Cabin
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME_NOTIFICATION • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	GTW_u008_packSocTooLow
Shown to Customer	True
Debug Text	Can't precondition - SOC Too Low
User Message	Battery Power Very Low: Unable to Precondition Battery
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME_NOTIFICATION • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	GTW_u009_notEnough12VForDrive
Shown to Customer	True
Debug Text	Can't start - Plug in car or Charge 12V
User Message	12V Battery Power Low: Charge Car or Jump 12V Battery
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_u010_low12VPower
Shown to Customer	True
Debug Text	Low 12V - The car may stop
User Message	12V Power Low: Car May Shut Down Unexpectedly
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_u013_keyMissingInDrive
Shown to Customer	True
Debug Text	The car is in drive and the key has left the car
User Message	Key No Longer Inside: Car Will Not Restart
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_NOTIFICATION• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	GTW_u014_carInNeutral
Shown to Customer	True
Debug Text	The car is in neutral and the park brake is not applied
User Message	Parking Brake Not Set: Car May Be Free Rolling
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_u015_displaysNotReady
Shown to Customer	True
Debug Text	GTW_u015_displaysNotReady
User Message	Systems Are Powering Up: Press Brake When This Message Clears
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME_NOTIFICATION• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	GTW_u016_driveDisabled
Shown to Customer	True
Debug Text	GTW_u016_driveDisabled
User Message	Car Needs Service: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CENTER_DISPLAY_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_u017_carInShowroomMode
Shown to Customer	True
Debug Text	GTW_u017_carInShowroomMode
User Message	Car in Showroom Mode: Driving Is Not Allowed
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME_NOTIFICATION • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	GTW_u019_overheatSocTooLow
Shown to Customer	True
Debug Text	Can't protect cabin overheating - SOC Too Low
User Message	Battery Power Very Low: Cabin Overheat Protection Disabled
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w011_thcVersionMismatch
Shown to Customer	True
Debug Text	Thermal Controller Version Mismatch Warning
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w012_bmsVersionMismatch
Shown to Customer	True
Debug Text	Battery Version Mismatch Warning
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_w013_gtwVersionMismatch
Shown to Customer	True
Debug Text	Gateway Version Mismatch Warning
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w014_diVersionMismatch
Shown to Customer	True
Debug Text	Drive Inverter Version Mismatch Warning
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w015_cpVersionMismatch
Shown to Customer	True
Debug Text	Charge Port Version Mismatch Warning
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w016_chgVersionMismatch
Shown to Customer	True
Debug Text	Charger Version Mismatch Warning
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_w017_accLoadShed
Shown to Customer	True
Debug Text	GTW_w017_accLoadShed
User Message	12V Power Low: Car May Shut Down Unexpectedly
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w018_hvacLoadShed
Shown to Customer	True
Debug Text	GTW_w018_hvacLoadShed
User Message	12V Power Low: Car May Shut Down Unexpectedly
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w019_bmsMia
Shown to Customer	True
Debug Text	GTW_w019_bmsMia
User Message	Car Needs Service: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w021_thcMia
Shown to Customer	True
Debug Text	GTW_w021_thcMia
User Message	Car Needs Service: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_w022_dcdcMia
Shown to Customer	True
Debug Text	GTW_w022_dcdcMia
User Message	Car Needs Service: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w023_chgMia
Shown to Customer	True
Debug Text	GTW_w023_chgMia
User Message	Car Needs Service: Car Will Not Charge
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w024_chgsMia
Shown to Customer	True
Debug Text	GTW_w024_chgsMia
User Message	Car Needs Service: Charge Speed Reduced
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w025_easMia
Shown to Customer	True
Debug Text	GTW_w025_easMia
User Message	Car Needs Service: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_w026_ibsMia
Shown to Customer	True
Debug Text	GTW_w026_ibsMia
User Message	Car Needs Service: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w027_epbMia
Shown to Customer	True
Debug Text	GTW_w027_epbMia
User Message	Parking Brake Needs Service: Car May Be Free Rolling
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w028_chgsVersionMismatch
Shown to Customer	True
Debug Text	GTW_w028_chgsVersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w036_epasMia
Shown to Customer	True
Debug Text	GTW_w036_epasMia
User Message	Car Needs Service: Steering Assist Reduced
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_w037_espMia
Shown to Customer	True
Debug Text	GTW_w037_espMia
User Message	ABS Needs Service: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w041_ptcMia
Shown to Customer	True
Debug Text	GTW_w041_ptcMia
User Message	Cabin Heater Needs Service: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CENTER_DISPLAY_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w042_cpMia
Shown to Customer	True
Debug Text	GTW_w042_cpMia
User Message	Car Needs Service: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w081_disVersionMismatch
Shown to Customer	True
Debug Text	GTW_w081_disVersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_w083_disMia
Shown to Customer	True
Debug Text	GTW_w083_disMia
User Message	Car Needs Service: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w084_pmVersionMismatch
Shown to Customer	True
Debug Text	GTW_w084_pmVersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w099_epbmMia
Shown to Customer	True
Debug Text	GTW_w099_epbmMia
User Message	Parking Brake Needs Service: Car May Be Free Rolling
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w100_epbVersionMismatch
Shown to Customer	True
Debug Text	GTW_w100_epbVersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_w102_epbmVersionMismatch
Shown to Customer	True
Debug Text	GTW_w102_epbmVersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w104_ocsMia
Shown to Customer	True
Debug Text	GTW_w104_ocsMia
User Message	Passenger Front Airbag Always On: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CENTER_DISPLAY_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w106_espVersionMismatch
Shown to Customer	True
Debug Text	GTW_w106_espVersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w125_dcdcVersionMismatch
Shown to Customer	True
Debug Text	GTW_w125_dcdcVersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_w126_icVersionMismatch
Shown to Customer	True
Debug Text	GTW_w126_icVersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w127_epasVersionMismatch
Shown to Customer	True
Debug Text	GTW_w127_epasVersionMismatch
User Message	Car Needs Service: Steering Assist Reduced
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w129_ptcVersionMismatch
Shown to Customer	True
Debug Text	GTW_w129_ptcVersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w130_rccmVersionMismatch
Shown to Customer	True
Debug Text	GTW_w130_rccmVersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_w131_tunerVersionMismatch
Shown to Customer	True
Debug Text	GTW_w131_tunerVersionMismatch
User Message	Software Update Required: Contact Tesla Service When Convenient
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CENTER_DISPLAY_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w132_tunerDspVersionMismatch
Shown to Customer	True
Debug Text	GTW_w132_tunerDspVersionMismatch
User Message	Software Update Required: Contact Tesla Service When Convenient
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CENTER_DISPLAY_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w133_tunerCalVersionMismatch
Shown to Customer	True
Debug Text	GTW_w133_tunerCalVersionMismatch
User Message	Software Update Required: Contact Tesla Service When Convenient
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CENTER_DISPLAY_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w134_secVersionMismatch
Shown to Customer	True
Debug Text	GTW_w134_secVersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_w135_bcVersionMismatch
Shown to Customer	True
Debug Text	GTW_w135_bcVersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w136_sunVersionMismatch
Shown to Customer	True
Debug Text	GTW_w136_sunVersionMismatch
User Message	Software Update Required: Contact Tesla Service When Convenient
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CENTER_DISPLAY_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w137_lftVersionMismatch
Shown to Customer	True
Debug Text	GTW_w137_lftVersionMismatch
User Message	Software Update Required: Contact Tesla Service When Convenient
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CENTER_DISPLAY_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w138_ddmVersionMismatch
Shown to Customer	True
Debug Text	GTW_w138_ddmVersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_w139_pdmVersionMismatch
Shown to Customer	True
Debug Text	GTW_w139_pdmVersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w140_hndfdVersionMismatch
Shown to Customer	True
Debug Text	GTW_w140_hndfdVersionMismatch
User Message	Software Update Required: Contact Tesla Service When Convenient
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CENTER_DISPLAY_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w141_hndrdVersionMismatch
Shown to Customer	True
Debug Text	GTW_w141_hndrdVersionMismatch
User Message	Software Update Required: Contact Tesla Service When Convenient
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CENTER_DISPLAY_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w142_hndfpVersionMismatch
Shown to Customer	True
Debug Text	GTW_w142_hndfpVersionMismatch
User Message	Software Update Required: Contact Tesla Service When Convenient
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CENTER_DISPLAY_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_w143_hndrpVersionMismatch
Shown to Customer	True
Debug Text	GTW_w143_hndrpVersionMismatch
User Message	Software Update Required: Contact Tesla Service When Convenient
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CENTER_DISPLAY_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w161_chgPh1Mia
Shown to Customer	True
Debug Text	GTW_w161_chgPh1Mia
User Message	Car Needs Service: Charge Speed Reduced
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w162_chgPh2Mia
Shown to Customer	True
Debug Text	GTW_w162_chgPh2Mia
User Message	Car Needs Service: Charge Speed Reduced
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w163_chgPh3Mia
Shown to Customer	True
Debug Text	GTW_w163_chgPh3Mia
User Message	Car Needs Service: Charge Speed Reduced
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_w164_chgsPh1Mia
Shown to Customer	True
Debug Text	GTW_w164_chgsPh1Mia
User Message	Car Needs Service: Charge Speed Reduced
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w165_chgsPh2Mia
Shown to Customer	True
Debug Text	GTW_w165_chgsPh2Mia
User Message	Car Needs Service: Charge Speed Reduced
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w166_chgsPh3Mia
Shown to Customer	True
Debug Text	GTW_w166_chgsPh3Mia
User Message	Car Needs Service: Charge Speed Reduced
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w170_parkAssistMia
Shown to Customer	True
Debug Text	GTW_w170_parkAssistMia
User Message	Park Assist Disabled:
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_w174_Replace12VBattery
Shown to Customer	True
Debug Text	GTW_w174_Replace12VBattery
User Message	12V Battery Needs Service: Replace 12V Battery Soon
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w175_low12VPower
Shown to Customer	True
Debug Text	GTW_w175_low12VPower
User Message	12V Power Low: Car May Shut Down Unexpectedly
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w176_notEnough12VForDrive
Shown to Customer	True
Debug Text	GTW_w176_notEnough12VForDrive
User Message	12V Battery Power Low: Charge Car or Jump 12V Battery
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w177_dead12VBattery
Shown to Customer	True
Debug Text	GTW_w177_dead12VBattery
User Message	12V Battery Power Low: Charge Car or Jump 12V Battery
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_w181_parkAssistSystemDTC
Shown to Customer	True
Debug Text	GTW_w181_parkAssistSystemDTC
User Message	Park Assist Unavailable:
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w182_parkAssistFailure
Shown to Customer	True
Debug Text	GTW_w182_parkAssistFailure
User Message	Park Assist Disabled:
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w193_chgph1VersionMismatch
Shown to Customer	True
Debug Text	GTW_w193_chgph1VersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w194_chgph2VersionMismatch
Shown to Customer	True
Debug Text	GTW_w194_chgph2VersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_w195_chgph3VersionMismatch
Shown to Customer	True
Debug Text	GTW_w195_chgph3VersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w199_chgsph1VersionMismatch
Shown to Customer	True
Debug Text	GTW_w199_chgsph1VersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w200_chgsph2VersionMismatch
Shown to Customer	True
Debug Text	GTW_w200_chgsph2VersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w201_chgsph3VersionMismatch
Shown to Customer	True
Debug Text	GTW_w201_chgsph3VersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_w206_parkAssistVersMismatch
Shown to Customer	True
Debug Text	GTW_w206_parkAssistVersMismatch
User Message	Park Assist Disabled:
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w223_tunerDabVersionMismatch
Shown to Customer	True
Debug Text	GTW_w223_tunerDabVersionMismatch
User Message	Software Update Required: Contact Tesla Service When Convenient
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CENTER_DISPLAY_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w226_airSuspVersionMismatch
Shown to Customer	True
Debug Text	GTW_w226_airSuspVersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w229_cmpVersionMismatch
Shown to Customer	True
Debug Text	GTW_w229_cmpVersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_w231_pmsVersionMismatch
Shown to Customer	True
Debug Text	GTW_w231_pmsVersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w241_dasVersionMismatch
Shown to Customer	True
Debug Text	GTW_w241_dasVersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w242_dasMia
Shown to Customer	True
Debug Text	GTW_w242_dasMia
User Message	Driver Assistance Features Unavailable: If Issue Persists, Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_NOTIFICATION • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	GTW_w246_espCalVersionMismatch
Shown to Customer	True
Debug Text	GTW_w246_espCalVersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_w266_ibstVersionMismatch
Shown to Customer	True
Debug Text	GTW_w266_ibstVersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w267_ibstCalMismatch
Shown to Customer	True
Debug Text	GTW_w267_ibstCalMismatch
User Message	Car Needs Service: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w268_ibstFailure
Shown to Customer	True
Debug Text	GTW_w268_ibstFailure
User Message	Power Brake Assist Reduced: Brake Firmly to Slow/Stop
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w272_chgrlyPlatformMismatch
Shown to Customer	True
Debug Text	GTW_w272_chgrlyPlatformMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_w273_chgrlyVersionMismatch
Shown to Customer	True
Debug Text	GTW_w273_chgrlyVersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w277_iBoosterReduced
Shown to Customer	True
Debug Text	GTW_w277_iBoosterReduced
User Message	Power Brake Assist Reduced: Brake Firmly to Slow/Stop
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w290_parkAssistTempFailure
Shown to Customer	True
Debug Text	GTW_w290_parkAssistTempFailure
User Message	Park Assist Unavailable:
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w291_tunerHdVersionMismatch
Shown to Customer	True
Debug Text	GTW_w291_tunerHdVersionMismatch
User Message	Software Update Required: Contact Tesla Service When Convenient
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CENTER_DISPLAY_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING



Signal Name	GTW_w299_thBusConfigMismatch
Shown to Customer	True
Debug Text	GTW_w299_thBusConfigMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w320_airSuspPlatformMismatch
Shown to Customer	True
Debug Text	GTW_w320_airSuspPlatformMismatch
User Message	Software Update Required: Contact Tesla Service When Convenient
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CENTER_DISPLAY_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w321_airSuspVersionMismatch
Shown to Customer	True
Debug Text	GTW_w321_airSuspVersionMismatch
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	GTW_w343_frunkLatchFailure
Shown to Customer	True
Debug Text	GTW_w343_frunkLatchFailure
User Message	Hood Latch Position Is Unknown: Verify Hood Is Secured Before Driving
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME_NOTIFICATION• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_NOTIFICATION



Signal Name	GTW_w358_unlockRequiredForStart
Shown to Customer	True
Debug Text	GTW_w358_unlockRequiredForStart
User Message	Unlock Required: Unable to Start Car
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME_NOTIFICATION • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	IC_w013_OVERTEMP_OFF
Shown to Customer	True
Debug Text	IC_w013_OVERTEMP_OFF
User Message	Instrument Panel Too Hot: Display Is Off
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CENTER_DISPLAY_NO_CHIME_NOTIFICATION • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	MCU_u001_rearSeatbeltUnbuckled
Shown to Customer	True
Debug Text	There is a rear seatbelt unbuckled
User Message	Rear Seat Belt Unbuckled:
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CENTER_DISPLAY_NO_CHIME_NOTIFICATION • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	MCU_u002_washerFluidLow
Shown to Customer	True
Debug Text	Window washer fluid is low
User Message	Windshield Washer Fluid Low:
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CENTER_DISPLAY_NO_CHIME_NOTIFICATION • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_NOTIFICATION



Signal Name	MCU_u004_EASInJackMode
Shown to Customer	True
Debug Text	Leveling disabled because EAS is in Jack Mode
User Message	Jack Mode Is On: Suspension Leveling Disabled
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_NOTIFICATION• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	MCU_u005_FrunkOpen
Shown to Customer	True
Debug Text	Frunk is open with car in D
User Message	Front Trunk Open: DO NOT DRIVE
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_CRITICAL_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_CRITICAL_RED_WARNING

Signal Name	MCU_u006_DriverDoorOpen
Shown to Customer	True
Debug Text	Driver's door is open with car in R, N, or D
User Message	Driver's Door Open: Proceed With Caution
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING

Signal Name	MCU_u007_DoorOpen
Shown to Customer	True
Debug Text	A door other than the driver's door is open with car in R, N, or D
User Message	Door Open: Proceed With Caution
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING



Signal Name	MCU_u008_DSTEntryLockDisabled
Shown to Customer	True
Debug Text	The car was unlocked using the dead key fob feature, walk away locking is disabled
User Message	Key Battery Too Low: Walk-Away Locking Disabled
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CENTER_DISPLAY_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	MCU_u014_TrunkOpen
Shown to Customer	True
Debug Text	Trunk is open in the first minute after shifting to R/D
User Message	Trunk Open: Proceed With Caution
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_REPEAT_CHIME • Shown on Cluster: False • Sound Repeated: True • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	MCU_u015_notOnPrivateProperty
Shown to Customer	True
Debug Text	Summon was requested on a public road
User Message	Summon Not Available: Vehicle Not On Private Property
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	MCU_u017_RegenChanged
Shown to Customer	True
Debug Text	Regen changed during update
User Message	Regenerative Braking Has Been Improved: You May Experience Slightly Stronger Deceleration
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME_NOTIFICATION • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_NOTIFICATION



Signal Name	MCU_w004_TouchScreenError
Shown to Customer	True
Debug Text	Touch screen not responsive because a cable is unplugged inside the unit
User Message	Touchscreen Unresponsive:: Press Scroll Wheels on Steering Wheel Until It Restarts
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING

Signal Name	MCU_w005_BrakeFluidLow
Shown to Customer	True
Debug Text	Brake fluid level is low
User Message	Brake Fluid Low: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	MCU_w006_displayFirmwareMismatch
Shown to Customer	True
Debug Text	Cluster and center display firmware does not match
User Message	Software Update Required: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	MCU_w007_MapsMissing
Shown to Customer	True
Debug Text	Premium navigation maps are not installed
User Message	Navigation System Needs Service: Maps Are Not Loaded
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CENTER_DISPLAY_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING



Signal Name	MCU_w008_TPMS_globalHardWarn
Shown to Customer	True
Debug Text	Not a unique alert - set any time there is a TPMS fault
User Message	Tire Pressure Very Low: PULL OVER SAFELY
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_TPMS_FAULT • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_RED_WARNING

Signal Name	MCU_w009_TPMS_globalOverPresWarn
Shown to Customer	True
Debug Text	Tire is over inflated
User Message	Tire Pressure Too High: Check Tire Pressures
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME_TPMS_WARNING • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_YELLOW_WARNING

Signal Name	MCU_w010_TPMS_globalSoftWarn
Shown to Customer	True
Debug Text	Tire is under inflated
User Message	Tire Pressure Too Low: Check Tire Pressures
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME_TPMS_WARNING • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_YELLOW_WARNING

Signal Name	MCU_w012_TPMS_systemFault
Shown to Customer	True
Debug Text	HW Fault, could be a missing sensor
User Message	Tire Pressure System Needs Service: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_NO_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_WARNING



Signal Name	MCU_w013_IncorrectMap
Shown to Customer	True
Debug Text	Installed maps do not match the configured region
User Message	Navigation System Needs Service: Incorrect Maps Are Loaded
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CENTER_DISPLAY_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING

Signal Name	MCU_w018_sunroofSpeedWarning
Shown to Customer	True
Debug Text	MCU_w018_sunroofSpeedWarning
User Message	Sunroof Position Not Allowed: Please Reduce Speed
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME_NOTIFICATION• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	MCU_w027_dtcActive
Shown to Customer	True
Debug Text	generic DTC user alert active
User Message	Car Needs Service: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	SEC_w001_key1BatteryLow
Shown to Customer	True
Debug Text	SEC_w001_key1BatteryLow
User Message	Key Battery Needs Replacing: Replace Battery Soon
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING



Signal Name	SEC_w002_key2BatteryLow
Shown to Customer	True
Debug Text	SEC_w002_key2BatteryLow
User Message	Key Battery Needs Replacing; Replace Battery Soon
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	SEC_w003_key3BatteryLow
Shown to Customer	True
Debug Text	SEC_w003_key3BatteryLow
User Message	Key Battery Needs Replacing; Replace Battery Soon
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING

Signal Name	TAS_w121_maxDutyFL
Shown to Customer	True
Debug Text	TAS_w121_maxDutyFL
User Message	Air Suspension Temporarily Unavailable:
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_NOTIFICATION • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_NOTIFICATION
Intent	To indicate the FL valve has reached its duty-cycle (on-time) limit.
Set Condition	The FL valve reaches its duty-cycle limit.
Clear Condition	The FL valve duty-cycle drop below a separate duty-cycle limit.
Potential Impact	The FL valve is temporarily unavailable. This prevents normal operation of the air suspension.

Signal Name	TAS_w122_maxDutyFR
Shown to Customer	True
Debug Text	TAS_w122_maxDutyFR
User Message	Air Suspension Temporarily Unavailable:
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_NOTIFICATION



Signal Name	TAS_w122_maxDutyFR
	<ul style="list-style-type: none"> • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_NOTIFICATION
Intent	To indicate the FR valve has reached its duty-cycle (on-time) limit.
Set Condition	The FR valve reaches its duty-cycle limit.
Clear Condition	The FR valve duty-cycle drop below a separate duty-cycle limit.
Potential Impact	The FR valve is temporarily unavailable. This prevents normal operation of the air suspension.

Signal Name	TAS_w123_maxDutyRL
Shown to Customer	True
Debug Text	TAS_w123_maxDutyRL
User Message	Air Suspension Temporarily Unavailable:
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_NOTIFICATION • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_NOTIFICATION
Intent	To indicate the RL valve has reached its duty-cycle (on-time) limit.
Set Condition	The RL valve reaches its duty-cycle limit.
Clear Condition	The RL valve duty-cycle drop below a separate duty-cycle limit.
Potential Impact	The RL valve is temporarily unavailable. This prevents normal operation of the air suspension.

Signal Name	TAS_w124_maxDutyRR
Shown to Customer	True
Debug Text	TAS_w124_maxDutyRR
User Message	Air Suspension Temporarily Unavailable:
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_NOTIFICATION • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_NOTIFICATION
Intent	To indicate the RR valve has reached its duty-cycle (on-time) limit.
Set Condition	The RR valve reaches its duty-cycle limit.
Clear Condition	The RR valve duty-cycle drop below a separate duty-cycle limit.
Potential Impact	The RR valve is temporarily unavailable. This prevents normal operation of the air suspension.

Signal Name	TAS_w125_maxDutyReservoir
Shown to Customer	True



Signal Name	TAS_w125_maxDutyReservoir
Debug Text	TAS_w125_maxDutyReservoir
User Message	Air Suspension Temporarily Unavailable:
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_NOTIFICATION • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_NOTIFICATION
Intent	To indicate the reservoir valve has reached its duty-cycle (on-time) limit.
Set Condition	The reservoir valve reaches its duty-cycle limit.
Clear Condition	The reservoir valve duty-cycle drop below a separate duty-cycle limit.
Potential Impact	The reservoir valve is temporarily unavailable. This prevents normal operation of the air suspension.

Signal Name	TAS_w126_maxDutyExhaust
Shown to Customer	True
Debug Text	TAS_w126_maxDutyExhaust
User Message	Air Suspension Temporarily Unavailable:
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_NOTIFICATION • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_NOTIFICATION
Intent	To indicate the exhaust valve has reached its duty-cycle (on-time) limit.
Set Condition	The exhaust valve reaches its duty-cycle limit.
Clear Condition	The exhaust valve duty-cycle drop below a separate duty-cycle limit.
Potential Impact	The exhaust valve is temporarily unavailable. This prevents normal operation of the air suspension.

Signal Name	TAS_w127_maxDutyBoost
Shown to Customer	True
Debug Text	TAS_w127_maxDutyBoost
User Message	Air Suspension Temporarily Unavailable:
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_NOTIFICATION • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_NOTIFICATION
Intent	To indicate the boost valve has reached its duty-cycle (on-time) limit.
Set Condition	The boost valve reaches its duty-cycle limit.
Clear Condition	The boost valve duty-cycle drop below a separate duty-cycle limit.



Signal Name	TAS_w127_maxDutyBoost
Potential Impact	The boost valve is temporarily unavailable. This prevents the boost feature of the air suspension from operating.

Signal Name	TAS_w128_maxDutyCompressor
Shown to Customer	True
Debug Text	TAS_w128_maxDutyCompressor
User Message	Air Suspension Temporarily Unavailable:
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_NOTIFICATION • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_NOTIFICATION
Intent	To indicate the compressor has reached its duty-cycle (on-time) limit.
Set Condition	The compressor reaches its duty-cycle limit.
Clear Condition	The compressor duty-cycle drop below a separate duty-cycle limit.
Potential Impact	The compressor is temporarily unavailable. This prevents normal operation of the air suspension.

Signal Name	TAS_w213_yellowWarningLamp
Shown to Customer	True
Debug Text	TAS_w213_yellowWarningLamp
User Message	Air Suspension Needs Service: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING
Intent	To indicate an alert has caused the yellow warning lamp to illuminate.
Set Condition	An alert(s) caused the yellow warning lamp to illuminate.
Clear Condition	Clearing of the alert(s) that caused the yellow warning lamp to illuminate.
Potential Impact	Yellow Lamp.

Signal Name	TAS_w214_redWarningLamp
Shown to Customer	True
Debug Text	TAS_w214_redWarningLamp
User Message	Air Suspension Needs Service: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False



Signal Name	TAS_w214_redWarningLamp
	<ul style="list-style-type: none"> • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING
Intent	To indicate a condition has caused the red warning lamp to illuminate.
Set Condition	An alert(s) caused the red warning lamp to illuminate.
Clear Condition	Clearing of the alert(s) that caused the red warning lamp to illuminate.
Potential Impact	Red Lamp.

Signal Name	TAS_w295_targetHeightNotMet
Shown to Customer	True
Debug Text	TAS_w295_targetHeightNotMet
User Message	Air Suspension Needs Service: Unable to Adjust Height
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_CHIME • Icon Type: ALERT_ICON_WARNING
Intent	To indicate the suspension was unable to reach the current target height.
Set Condition	Suspension was unable to meet the set target height in 120 seconds.
Clear Condition	Single drive-rail cycle.
Potential Impact	LHM40, RED Lamp.

Signal Name	THC_u0002_frontDefrostLimited
Shown to Customer	True
Debug Text	THC_u0002_frontDefrostLimited
User Message	Battery Power Very Low: Front Defrost is Reduced
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CENTER_DISPLAY_NO_CHIME_NOTIFICATION • Shown on Cluster: False • Sound Repeated: False • Sound Name: ALERT_SOUND_NONE • Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	THC_u0003_cabinHVACLimited_HV
Shown to Customer	True
Debug Text	THC_u0003_cabinHVACLimited_HV
User Message	Battery Power Very Low: Heating and A/C Reduced
Chime / Notification Behavior	<ul style="list-style-type: none"> • Behavior Name: CLUSTER_SINGLE_CHIME_NOTIFICATION • Shown on Cluster: False • Sound Repeated: False



Signal Name	THC_u0003_cabinHVACLimited_HV
	<ul style="list-style-type: none">• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	THC_u0005_cabinHVACLimited_PT
Shown to Customer	True
Debug Text	THC_u0005_cabinHVACLimited_PT
User Message	Vehicle Systems Being Cooled: Air Conditioning is Reduced
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CENTER_DISPLAY_NO_CHIME_NOTIFICATION• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_NOTIFICATION

Signal Name	THC_w0105_coolantBottleLowLevel
Shown to Customer	True
Debug Text	THC_w0105_coolantBottleLowLevel
User Message	Vehicle Coolant is Low: Contact Tesla Service
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_SINGLE_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_CHIME• Icon Type: ALERT_ICON_WARNING

Signal Name	THC_w0148_refrigerantLow
Shown to Customer	True
Debug Text	THC_w0148_refrigerantLow
User Message	Air Conditioning Needs Service:: Cabin A/C Performance Limited
Chime / Notification Behavior	<ul style="list-style-type: none">• Behavior Name: CLUSTER_NO_CHIME• Shown on Cluster: False• Sound Repeated: False• Sound Name: ALERT_SOUND_NONE• Icon Type: ALERT_ICON_WARNING