

# STAR ONLINE PUBLICATION

**Case Number:** S1808000069

**Release Date:** 04/30/2020

**Symptom/Vehicle Issue:** Intermittent Remote Start, Inhibit-Disable List

**Discussion:** Review chart for intermittent conditions, pgs 1-4 for examples.

PTC = Prior to cranking, DC = During cranking, WR = While running, DV = During validation mode, LO = Causes lock out until ignition cycled to Run, I/D = Inhibit or Disable

Condition	PTC	DC	WR	DV	LO	I/D	RemSt_InhibitSts value
Normal Time Out Run Mode			X			I	TIME_OUT_RUN
Normal Time Out Customer Access				X		I	TIME_OUT_CUST_MODE
IgnPosSts In Run/Start if Key_Less_Go = Present	X	X	X			I	INHIBIT_DEFAULT
KeyPositionSts.Info In Run/Start if Key_Less_Go = Absent	X	X	X			I	INHIBIT_DEFAULT
Driver Door Ajar	X	X	X			I	DRV_DOOR_AJAR
Pass Door Ajar	X	X	X			I	PASS_DOOR_AJAR
LR Door Ajar	X	X	X			I	LR_DOOR_AJAR
RR Door Ajar	X	X	X			I	RR_DOOR_AJAR
Start Counter Reached	X				X	D	START_COUNTER
Failed Counter Reached	X				X	D	FAIL_COUNTER
Low RPM			X	X	X	D	LOW_RPM_SHUTDOWN

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Shutdown							
Brake Pressed	X	X	X			I	INHIBIT_DEFAULT
Hazard Lamps	X	X	X	X		I	INHIBIT_DEFAULT
Not in park	X	X	X	X		I	INHIBIT_DEFAULT
Vehicle speed high	X	X	X	X		I	INHIBIT_DEFAULT
Hood Ajar or electric fault on bonnet ajar switch	X	X	X	X		I	HOOD_AJAR
Trunk/Liftgate ajar	X	X	X			I	TRUNK_LIFTGATE
VTA Alarming	X	X	X			D	VTA_ALARM
Panic mode	X	X	X	X	X	D	PANIC_MODE
Battery voltage high	X			X	X	I	BATT_VOLT_HIGH
Battery voltage low	X					I	BATT_VOLT_LOW
Power loss	X	X	X	X	X	D	POWER_LOSS
MIL On/Flashing			X	X	X	D	MIL_ON
Oil pressure low			X	X	X	D	OIL_PRESSURE_LOW
Coolant Tem high			X	X	X	D	COOLANT_TEMP_HIGH
RPM too high	X		X	X	X	D	RPM_HIGH
Crank no start		X			X	D	CRANK_NO_START
RKE Off message	X	X	X	X		I	INHIBIT_DEFAULT
Remote start previously disabled	X	X	X	X	X	D	RS_DISABLED_PREV
Invalid Skim Key	X	X	X	X		I	INHIBIT_DEFAULT
IgnPosSts equal to SNA if Key_Less_Go = Present	X	X	X	X		I	IGN_SNA
KeyPositionSts equal to SNA if Key_Less_Go = Absent	X	X	X	X		I	IGN_SNA
Ign not in lock	X	X	X	X		I	INHIBIT_DEFAULT
Excessive glow	X					I	GLOW_PLUG_TIMEOUT

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plug time out							
Low fuel			X	X		D	LOW_FUEL
Logistic mode	X					I	LOGISTIC_MODE
Cold start lamp flashing	X					I	COLD_START_LAMP_FLASH
ESL Not Unlocked	X				X	D	INHIBIT_DEFAULT

The below is an example of problem related to alternator/battery voltage.....

Remote start is aborted due to Battery Voltage (too high)

First Signal – RemSt\_InhibitSts = BATT\_VOLT\_HIGH (cause of inhibition)

Second signal - RemStActvSts = From Active to Not active

When BatteryVoltageLevelHP reach the 15 Volt

This is one of the requirements of the BCM, where the voltage range is 15 V (Column 4 range, column 3 max value required)

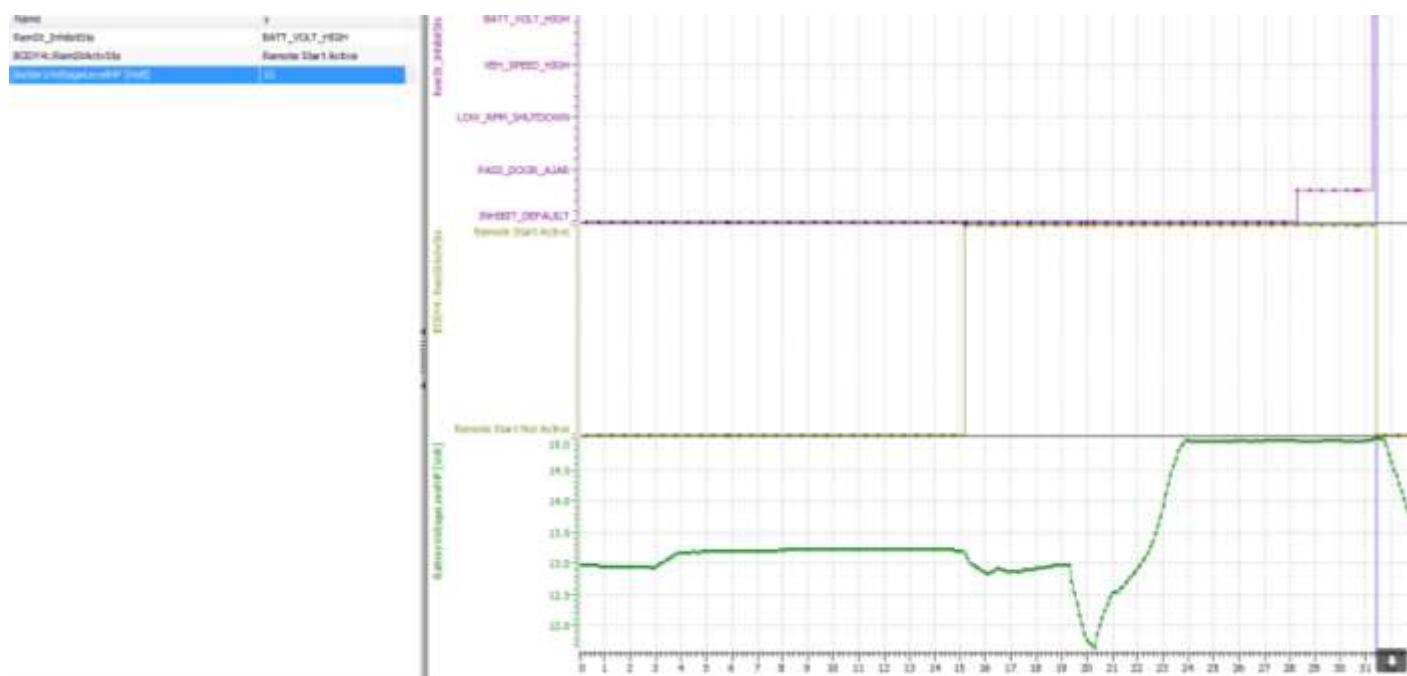
30.0	BatteryVoltageRange Max	15	[13;20]	0.1	V	BCM	SUPPLIE REOL_2	No	N.A.	Maximum of the battery voltage to allow to activate a remote start event
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See graph on next page..

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