

Subject

**How to Identify Modified HV Batteries**

Market

**USA**

Service Category

**Vehicle Interior**

Section

**Meter/Gauge/Display**

Applicability

**All HV Vehicles**

**APPLICABLE VEHICLES**

2016-2017	RAV4 HV	2001-2017	Prius
2013-2017	Avalon HV	2012-2017	Prius V
2012-2017	Prius C	2006-2017	Highlander HV
2007-2017	Camry HV		

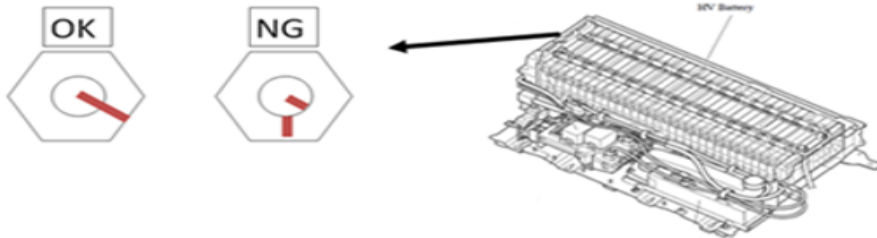
**CONDITION**

A vehicle may arrive to the dealer with a MIL "ON" condition and P0A80 or P1AC000 stored in the memory. Some cases have been identified with internal modification done to the HV Battery. Modified or altered parts are not covered under warranty.

**RECOMMENDATIONS**

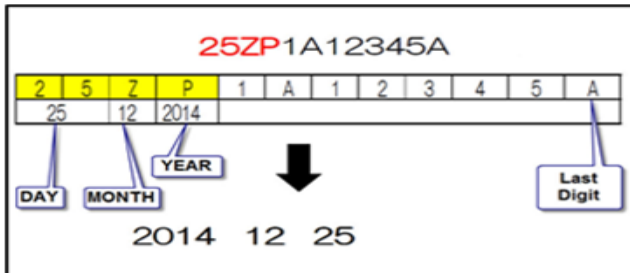
Use the following procedure to determine if there is a possibility that the HV Battery has been modified.

- For vehicles produced up to September 2008
  - Remove HV Battery cover and check for offset mar on the bus bar nut and bolt



- For Vehicles produced after September 2008
  - Remove HV Battery Cover and inspect cells for physical signs of modifications
    - Signs of previous removal of cover and or bus bar
    - Check that the last digit of the serial #s of all cells are the same letter
    - Check all cell serial #s and make sure they are all within 3 months of production date from each other

**CELL SERIAL# EXAMPLE**



MONTH	
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
X	10
Y	11
Z	12

YEAR	
A	1999
B	2000
C	2001
D	2002
E	2003
F	2004
G	2005
H	2006
I	2007
J	2008
K	2009
L	2010
M	2011
N	2012
O	2013
P	2014
Q	2015
R	2016
S	2017
T	2018
U	2019
V	2020
W	2021
X	2022
Y	2023
Z	2024

**LINK REFERENCES**

This Tech Tip does not contain any link references