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> M2 BHM code SPN 7000 FMI 4 and 6. AKA SPN 1491



Kyle\_Siebert

Optimus Prime

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## M2 BHM code SPN 7000 FMI 4 and 6. AKA SPN 1491 🔒

M2 2016

HV9146

Used BHM Architecture Conversion chart

BHM codes

7000 fmi 4 Panel Lamp Backlight PWM Output - Undercurrent

7000 fmi 6 Panel Lamp Backlight PWM Output - Overcurrent

These cross to SPN 1491 but there is nothing in the M2 workshop manual for 1491.

Im guessing its a short in the PWM circuit either blowing F18 vbat 3. Which would also cause the wipers low to be inop. Or its blowing the 12 amp FET for B5.H Panel Lamps or B7.A Smart Switch backlighting. Would like to see if smart switches and instrument cluster lighting is inop.

Would like to confirm this code is for Panel Lamp backlighting. Could be something else as its not in the BHM code list. Shows up in DDDL as panel lamp backlighting and [SS 469463 - Electronic Architecture Drawings - OBD16 and Newer](#).

Anyone seen this code before?

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M2

Service

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Jon\_Cecil

Gear Head

05-06-2021 05:31 PM



I referenced SS 1032989 for these codes. Was just dealing with a 7000/4 code. After removing 29A from BHM connector 5 pin H, I tried to manually turn on circuit with DL8. No voltage was present. Installed newer BHM for a test. I reinstalled wire into BHM connector. Code is now 1491/6. Removed the wire and the codes go inactive and voltage is present when manually turning on with DL8. SS 1032989 references these codes. Found gear selector wiring pinched behind steering column.



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