

Technical Bulletin

Date Released:	7/29/2022	Tracking Number:	TS-10013
Document Revision:	V1		
Date Revised:		Written By:	Hal Arnold
Model/Part No.:	NCSPHB		

Re: Damaged NCSPHB Units

Current customers using NCSPHB:

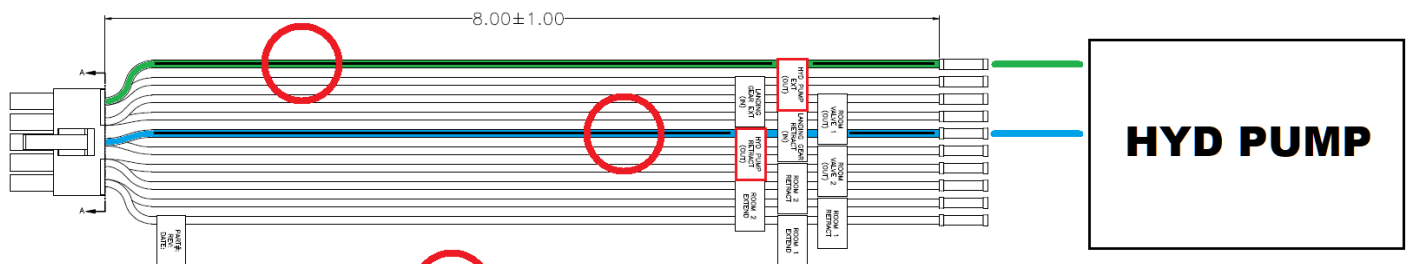
Keystone Alpine & Keystone Montana (2021+)
Heartland Landmark and DRV (Every unit equipped with iN·Command)

Details:

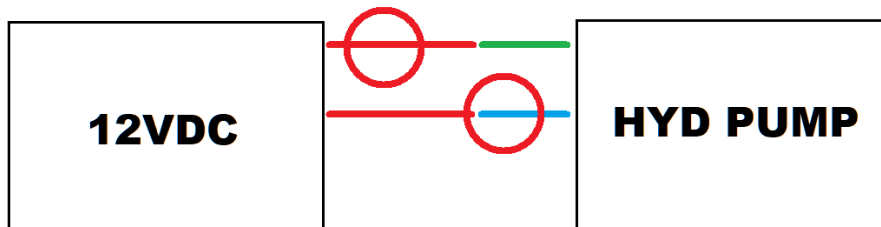
NCSPHB is rated for 5A, if the current draw is exceeding 5A then that excessive current would damage the NCSPHB. Replacing the module would not resolve the issue as it could also become damaged.

When NCSPHB is requested for warranty replacement, use a clamp meter to check for the current draw on Hydraulic Pump Extend (Pin 1) and Hydraulic Pump Retract (Pin 7).

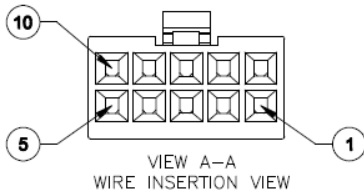
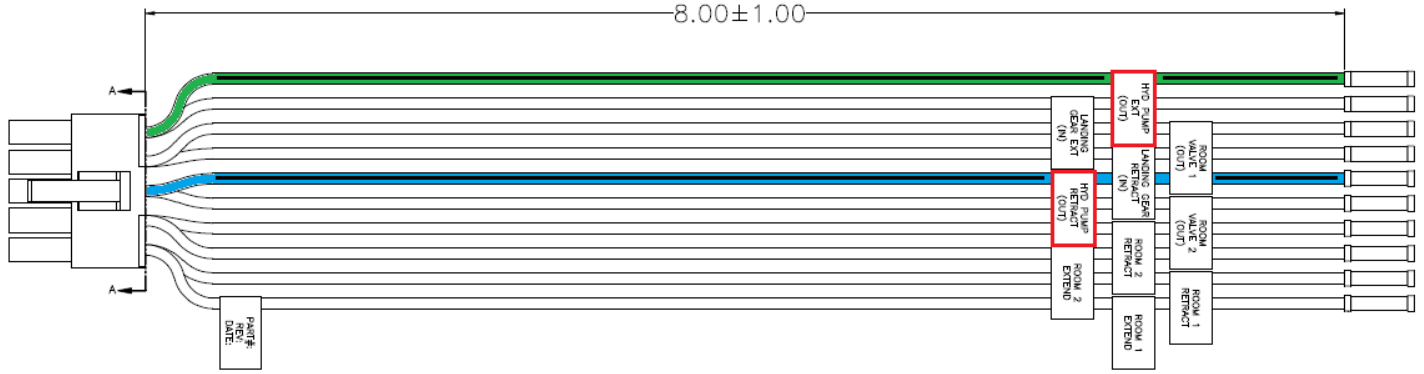
If the NCSPHB has become damaged by excessive current, the dealer will need to apply their own 12VDC source to the wires going to the hydraulic pump extend and retract circuits to get a current draw. This is due to our module being damaged and will no longer be sending 12VDC signal itself. Without a 12VDC signal, a current draw could not be taken.



○ Check w Clamp Meter



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PIN NO.	WIRE COLOR	DESCRIPTION
1	GREEN/BLACK	HYD PUMP EXT (OUT)
2	WHITE/GREEN	LANDING GEAR EXT (IN)
3	BROWN	ROOM 1 VALVE (OUT)
4	DARK GREEN	ROOM 1 EXTEND
5	LIGHT BLUE	ROOM 2 RETRACT
6	WHITE/BLUE	LANDING GEAR RET (IN)
7	BLUE/BLACK	HYD PUMP RET (OUT)
8	ORANGE	ROOM 2 VALVE (OUT)
9	LIGHT GREEN	ROOM 2 EXTRACT
10	DARK BLUE	ROOM 1 RETRACT