

## P4, 57X Hadley (Link) Smart Valve (HSV) Dumps Unintendedly

Field Campaign SF700

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### Problem Details:

- If the Hadley Smart Valve (HSV) is in an upward position, CAN communicating modules wakeup via a CAN wakeup message, when the ignition switch is turned on between 2 and 9 seconds, then the suspension air will dump (unintendedly).

### FSPRs, FRACAS, DPR, Zeus:

- FSPR 38420

### Affected Models / Truck options:

- P4, 57X with Software package 81Z-010, built with a HSV from 10/27/2023 to 5/7/2024.
- Population of affected vehicles 910

### Responsible Supplier:

- DTNA

Parameter	Part	Value	Units	Minimum
<b>XMC02T - Extension Module Cabin</b>				
<b>Dynamic Ride Height</b>	A0284479746-001	Defaultstring.Manual Ride Height Enabled		
PRHC_raise_speed_interlock	(from parent)	9.9419	mph	0.0000
PRHC_rideraise_speed_diseng	(from parent)	24.8548	mph	0.0000
PRHC_ridelower_speed_diseng	(from parent)	9.9419	mph	0.0000
PRHC_standard_threshold	(from parent)	44.7387	mph	0.0000
PRHC_aero_threshold	(from parent)	52.1952	mph	0.0000
PRHC_speed_limiting	(from parent)	9.9419	mph	0.0000
PRHC_rear_suspen_hght_ctl	(from parent)	Enable		
PRHC_dynamic_ride_height	(from parent)	Not_Enabled		
PRHC_above_below_level_err_time	(from parent)	180	s	0
PRHC_above_below_level_heal_btime	(from parent)	10	s	0
PRHC_axle_equal_error_time	(from parent)	3.0	s	0.0
PRHC_axle_equal_heal_time	(from parent)	3.0	s	0.0
PRHC_retlvl_invalid_error_time	(from parent)	Enabled (3, from parent)	s	0.0
PRHC_retlvl_invalid_heal_time	(from parent)	A0284479746-001 Defaultstring.Manual Ride Height Enabled (3, from parent)		
PRHC_speed_invalid_error_time	(from parent)	A0344478946-001 PARM-PRHC_INVALID ERROR TIME = 10 SECONDS		
PRHC_speed_invalid_heal_time	(from parent)	3.0	s	0.0
PRHC_aero_disable_sw_reset	(from parent)	RESET		

### Production Containment:

- Production received the XMC parameter as part of release PCHA32-E8
- Implementation date 5/18/2024

No  Yes

### Field Containment (short term):

- Same as production containment.

No  Yes

### Root Cause:

- Lack of testing of the HSV function through all wakeup conditions.

No  Yes

### Long Term Corrective Action Plan:

- Production received the XMC parameter as part of release PCHA32-E8

No  Yes

### Long Term Field Plan:

- Publish Field Service Campaign SF700 on 6/26/2024.

No  Yes

