Optimized Idle – Intermittent Hood Switch Interlock Preventing Start

Issue Description	Low voltage during cranking event causes error state (~3% chance) of hood tilt resistive-style switch, which prevents Optimized Idle from restarting engine.
Status & Details	ASAM2021 functionality changed to resistive-style switch to provide additional diagnostics to hood tilt switch. Low battery voltage during cranking causes error state in reading of the hood switch, preventing interlock from being satisfied, resulting in Opt Idle being able to restart engine.
Field Action	Options under investigation include: ~~1. Go back to old reed switch design~~ **2. Change in CPC logic in T22.3 to ignore hood switch status during cranking** ~~3. Change in ASAM logic to remove likelihood of miscalculation/error state while cranking~~
Identifying Features	
Reference Documentation	
Additional Information	Resistive hood tilt switch 66-04116-000