

# Software Changes in 505XT Applications

The 505XT GAP application, 5418-7839 Revision A contains a significant number of bug fixes and feature enhancements.

Manual 35018 Volumes 1, 2, and 3 have all been updated related to the changes below.

**505XT (control p/ns 8200-1310, 8200-1311, 8200-1312)**

Using GAP P/N: 5418-7839 can be upgraded from Revision “-“ to Revision “A”  
File name = 5418-7839\_a.out

Using GUI P/N: 5418-7842 can be upgraded from Revision “-“ to Revision “A”  
File name = 5418-7842\_a\_build01.wgui

The following table describes the application software changes implemented and tested in this release. The testing documentation is included in the SRC files archived with this GAP revision.

SW	ISSUE_ID	TITLE
<b>BUGS</b>		
GAP	143773	Relay for HP Valve Limiter in Control doesn't work in some configs
GAP & GUI	141977	Visibility of Breaker options in AUX config
GAP	141867	AUX threshold usage when AUX is inverted
GUI	138565	Incorrect units for time on Service screen - Auto Start Seq
GAP	138205	AUX control PV fault wrong when inverted (also EXT, INL, & EXH)
GUI	137109	No focus to 'Online Steam Map Adjustment' option (service)
GUI	135568	LP valve demand screen - value before Linearization curve
GAP	135354	Exhaust in control relay indication wrong
GAP	135352	Load Rejection reset logic in configs with no start sequence
GAP	133119	Relay function for SPD in Control always on during AUX control condition
GAP	131402	Reset of Off Map condition affecting AUX
GAP & GUI	127255	Zero speed detect indication when probes failed incorrect
GUI	125689	Speed control Gain Curve for OPTI - GUI pages not accessible
GAP	116146	Manually disabling Ext Cntrl causing load swings in some configs
<b>FEATURES</b>		
GAP	146190	Add data related to these Rev A features, to the Modbus block
GUI	144685	Add GUI access to the Lag Filter for the AI channels
GUI	144639	Add QR Code access to product info - on Site Info pop-up screen
GAP & GUI	138147	Add DI to trigger reduced OSPD test
GAP & GUI	134719	Add TTV Partial Stroke testing support
GAP & GUI	132461	Review the original Accel Limiter load reject function re-enable it and add DI
GAP & GUI	132459	Add a deadband to the AUX PV input (for AUX controller)
GUI	132458	Add option for half hour time zone for RTC setting
GAP & GUI	132457	Add options and manual info for Primary Freq Control operation
GAP & GUI	128945	Add I/O menu options to support interfacing to TTV and options for VS-GI TTV
GAP & GUI	127256	Add accel trigger & DI trigger for the Load Rejection logic
GAP & GUI	125684	Added an ENET comm connection to EasyGenXT (Woody Link)

GAP & GUI	122521	Additional Turbine Warmup options (both SD and at start)
GAP & GUI	100290	Added Actuator support for – Dual Coil, Redundant Actuators, VS-DX and interfacing to SPC units (up to 4) via CAN
GAP & GUI	100243	Add Speed Sensor Difference Alarm
GAP & GUI	100185	Add a Load Limiter PID on 505XT
GAP & GUI	121463	Remove screens related to High Protec & MFR300 & VS-II