

IN GENERAL, EFFECTIVE PARTS CLEANING REQUIRES MAINTENANCE AND CONTROL OF FOUR FACTORS. THESE FACTORS ARE (1) CLEANER CONCENTRATION, (2) BATH TEMPERATURE, (3) CLEANING TIME AND (4) PROCESS/MECHANICS. ASSUMING THAT THE CORRECT PRODUCT IS BEING USED, LISTED BELOW ARE THE LIKELY CAUSES AND SOLUTIONS COMMON CLEANING PROBLEMS INVOLVING THESE FOUR FACTORS.

TROUBLE SHOOTING CHECKLIST:

CONDITION	LIKELY CAUSE	CORRECTIVE ACTION
Parts Not Clean <ul style="list-style-type: none"> • Dirty/oily • Water breaks • Spotty parts 	Spray nozzles plugged or not aligned	Clean and adjust nozzles to get better part coverage
	Low temperature in wash stage	Increase temperature
	Low cleaner concentration	Check concentrations (titrate) and adjust as necessary
	Insufficient cleaning time	Reduce line speed/cleaning stage time
	Contaminated cleaner bath	Dump, clean and recharge washer
	Pump pressure	Insure pump(s) are on and pressure is adequate
Rusty Parts <ul style="list-style-type: none"> • Ferrous - flash rust (red/brown) • Non-ferrous – white rust 	Parts rusty prior to cleaning operation	Address factors in up-stream operations
	Improper bath temperature	Increase temperature (solution temperature may be assisting part dryness.
	Low cleaner concentration.	Check concentrations (titrate) and adjust as necessary
	Parts not dry	Insure mechanical drying (e.g. blow-off) is operational and there is sufficient airflow to dry the parts.
	Spray nozzles plugged or not aligned	Clean or adjust nozzles to insure good part coverage
	Contaminated process or rinse stage.	Dump, clean and recharge washer.
Excessive Foaming in Washer	Excess cleaner	Check concentration (titrate) and dilute as necessary
	Pump pressure is too high	Adjust pump pressure
	Incorrect solution temperature	Check temperature settings and adjust to proper range
	Contaminated cleaner bath	Dump, clean and recharge washer with fresh cleaner