

TROUBLESHOOTING

TOPICS

Electrical

Trailing

Dusting

Brooms Stalling

Hopper

Problem	Possible cause	Possible fix
Electrical		
Function does not work	<ul style="list-style-type: none"> -check connector light at the valve solenoid. -water in a connection between harnesses. -broken wire in harness 	<ul style="list-style-type: none"> -not lite: check harnesses for pulls, water in connections, switch. -if lite: check solenoid and hydraulic pressure. -water in electrical connectors
Erratic functions	<ul style="list-style-type: none"> -water in connector 	<ul style="list-style-type: none"> - Take apart and dry the connectors
Main broom and hopper not working	<ul style="list-style-type: none"> -proximity switches not adjusted 	<ul style="list-style-type: none"> -while auxiliary engine is running put chassis in reverse to lift the main broom, adjust the proximity switch and put hopper down and adjust that proximity switch
Trailing		
Main broom leaving material all the way across	<ul style="list-style-type: none"> -down pressure out of adjustment -travelling to fast - main broom worn to much 	<ul style="list-style-type: none"> -adjust down pressure equally on each side -slow down the ground speed. Sweepers are designed to travel at 3-5 mph to get most efficient sweeping. In heavy material slow down even more. -replace main broom strips
Main broom trailing on curb side	<ul style="list-style-type: none"> -gutter broom is not throwing material far enough to inside. -gutter broom worn out. -gutter broom out to far -drag shoe mount plate is bent 	<ul style="list-style-type: none"> -gutter broom speed may not be correct. Take auxiliary engine to full throttle. -replace gutter broom segments -adjust the gutter broom in -replace drag shoe mounting plate

Dusting		
A lot of dust when sweeping	<ul style="list-style-type: none"> -out of water -plugged nozzles -hand valves turned to low -pump not working -filter plugged -broken water line 	<ul style="list-style-type: none"> -check to see if the tank has water in it -clean the water system including nozzles and filter -with sweeper off but key on the pump can be heard and if you put your hand on it you can feel it vibrate if it is working -check water lines for leaks
Stalling		
Main broom stall alarm going off but broom is not stopped	<ul style="list-style-type: none"> -stall alarm switch needs readjusting -hydraulic pressure has been adjusted to high -faulty stall switch 	<ul style="list-style-type: none"> -reset the hydraulic pressure and then adjust the stall alarm trigger pressure just below relief pressure -if stall alarm switch cannot be adjusted then it needs to be replaced
Main broom is stopped but stall alarm is not going off	<ul style="list-style-type: none"> -stall alarm switch needs readjusting -hydraulic pressure has been adjusted to low -faulty stall switch 	<ul style="list-style-type: none"> -reset the hydraulic pressure and then adjust the stall alarm trigger pressure just below relief pressure -if stall alarm switch cannot be adjusted then it needs to be replaced
Main broom stops and stall alarm is going	<ul style="list-style-type: none"> -engine rpm too low for sweeping conditions -traveling to fast for sweeping conditions 	<ul style="list-style-type: none"> -auxiliary engine rpm should be at full throttle -slow down
Gutter brooms stop turning	<ul style="list-style-type: none"> -engine rpm is too low for sweeping conditions -check hydraulic pressure -traveling to fast for sweeping conditions 	<ul style="list-style-type: none"> -auxiliary engine rpm should be at full throttle -slow down
Hopper		
Hopper won't lift	<ul style="list-style-type: none"> -low hydraulic pressure -too much material in hopper -engine rpm to low 	<ul style="list-style-type: none"> -reset the hydraulic pressure -open hopper door and take some material out -raise engine rpm
Hopper won't dump	<ul style="list-style-type: none"> -low hydraulic pressure -too much material in hopper -engine rpm to low 	<ul style="list-style-type: none"> -reset the hydraulic pressure -open hopper door and take some material out -raise engine rpm

