GI-613(a)-F Inspection form for RECO Model 950 to 955 (LP-G or N-G) Systems

Subdivision		**Mileage**	
Location Name		**SCD/Switch ID**	
Inspected by		**Date of Inspection**	

Subject	Action	Check
General	New Installation	☐
	Existing Installation	☐
	Planned Repairs	☐
	Re-Install Ductwork	☐
	Spring Shut Down	☐
	Winter Start up.	☐
Cleanliness	Area around SCD, fuel supply or tank is free if combustible material & liquids.	☐
Fuel Supply Line	Verify the fuel supply pipeline leak tests have been completed before starting the SCD inspection. Pipeline tests are performed on initial installation by a qualified gas company. If gaseous odor is detected refer to GI 602 Emergency Procedures for Gas Leaks at Snow Clearing Device (SCD) Facilities	☐ ☐ ☐
Clearance	Horizontal and vertical clearance of SCD does not impose on Metrolinx's track clearance envelope. Reference - GI-601 Dynamic Clearance Envelope.	☐
Air Intake Nozzles	Hood, Intake and plenum are unobstructed and in good condition.	☐
Point Nozzles	Point nozzles installed.	☐
	Electrical isolation shoulder washers installed.	☐
Track Duct	Track duct installed	☐
	Track duct nozzle screens are installed.	☐
	Appropriate vents open and directing air at switch plates and rods. Keep all openings closed between the ducts, except where the switch rods are located	☐
	Ductwork below top of rail and not interfering with switch operation.	☐
	Track duct deflectors installed, 18" wide at points protecting point nozzles and track duct and 8" at heel protecting track duct.	☐
	Ducting condition is acceptable and clear of any obstructions.	☐

Subject	Action	Check
Tie Duct	All clips and insulators installed. There is no evidence of cracks or obstructions.	☐
Flex Duct	Flex duct is secured properly. Duct and ballast retainer are in good condition.	☐
Heavy Duty Offset Duct	Heavy duty offset duct is secured properly and in good condition. Precipitation detector properly mounted and clear of debris.	☐
Heat Duct	Flame signal strength is at appropriate rating and stable.	☐
	Spark igniter plug and flame rod are in good and clean condition.	☐
	Ignition wires clean and no sign of corrosion.	
	Airflow sail switch is operating properly	☐
Thermostats	Duct Work High Temperature and Rail Temp. sensor thermostats are properly enclosed and/ or fastened and have full contact with the component surface.	☐
Electrical Power	Voltage between 85% and 115% of nominal voltage with all connected loads operating.	☐
	Ground installed.	☐
Fuel System	LPG Fuel tank filled, or NG service open.	☐
	Supply pressure is at rated supply pressure with all connected loads operating.	☐
	Re-verify gas pipeline supply leak tested.	☐
Control Module	Re-Install the Control Module.	
	Place switch SS1 in the FORCE position.	
	Allow to operate for 10 minutes.	
	1. Check Fault History	☐
	2. Check LED Status Indicators	☐
	3. Check Configuration settings history	☐
	• Temperature Setpoint (Default = 3.3 C°)	☐
	• Run Timer (Default = 0 min.)	☐
	• Snow Detected Timer (Default = 60 min.)	☐
	• Snow Sense Speed (Default = 1 sec.)	☐
	• Start Delay (Varies for 0 to 240 sec.)	☐
Heater	Unit is level (horizontal and vertical)	☐
	Heater functions properly in “Manual”.	☐
	Perform a flame failure test. Place switch SS1 in the LOCAL position. Turn off the manual gas valve. Turn on the main circuit breaker. After 40 seconds (plus any start delay period) the fault message.	☐

Subject	Action	Check
	NO FLAME DETECTED FAULT should be displayed. If the fault does not appear, the control module is faulty and should be replaced.	
	Check the flame current. Verify flame signal strength is stable (+/- 0.5) and between 3.0 and 8.0 micro amps DC.	☐
Remote Operation	Place switch SSI is in AUTO position.	
	Have the RTC request SCD remotely on to verify the E-HAB turns on and shows on at the RTC Control Office.	☐
	Verify and record Ambient temperature: _____ Cº	☐
Performance (Temperature)	Check and record nozzle and duct temperature measurements using an digital Infrared Temperature sensor:	
	Point End Nozzle: _____ Cº	☐
	Track Duct (far end): _____ Cº	☐
Upon Completion of Inspection	**Winter**	
	Check HAB doors are closed, covers are secure.	☐
	If LP-G Tank, check Protective Service Valve Cover is unlocked and valve is open.	☐
	HAB SS1 Mode Switch set to AUTO.	☐
	Spring	
	HAB Disconnect Switch set to OFF.	☐
	AC Power Feed OFF and Locked out.	☐
	If LP-G Tank, check Protective Service Valve Cover is locked and valve is closed.	☐

Legend

(✓) - Check complete, equipment in satisfactory condition.

(/) – Test not performed or not applicable.

(X) - Check complete, equipment requires repair or replacement. Indicate in the Comments/Observations table below, the issue and corrective action.

[1] Operating Manual Model No. 950 Standard & Model No. 951 Low Profile, Rev. C. RECO©, Plymouth, MN, USA.
[2] Operating Manual Model No. 955 Standard & Model No. 954 Low Profile, Rev. G. RECO©, Plymouth, MN, USA.
[3] Operating Manual Model No. 953 Standard & Model No. 952 Low Profile, Rev. B. RECO©, Plymouth, MN, USA.

Comments /Observations: