GI-613(b)-F Inspection form for RECO Model 934 (E-HAB) 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 area is free of combustible material & liquids.	☐
Clearance	Horizontal and vertical clearance of SCD does not impose on Metrolinx's track clearance envelope. Reference - GI-601 Dynamic Clearance Envelope.	☐
HAB Installation	1. Main blower unit is level (horizontal and vertical) and properly secured to the foundation	☐
	2. Foundation is 4 to 6 inches below the top of the ties.	☐
	3. Hood, Intake (screens) and plenum are unobstructed and in good condition.	☐
	4. Duct and cable fitting connectors are secure and in good condition.	☐
Point Nozzles	Point nozzles are properly aligned and in good condition.	☐
	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.	☐
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.	☐

GO TRANSIT SIGNALS & COMMUNICATIONS
GENERAL INSTRUCTIONS

Subject	Action	Check
Heat Duct	1. Burner is functional and in good condition.	☐
	2. Heaters functioning and in good condition.	☐
	3. Airflow sail switch is operating properly.	☐
	4. Wiring connections are good, no visible damage to wiring.	☐
	5. No evidence of rodent infestation.	☐
Sensors	Duct Work High Temperature and Rail Temp. sensor thermostats are properly enclosed and/ or fastened and are making full contact.	☐
Electrical	1. Verify E-HAB Unit is properly grounded.	☐
	2. Check / supply voltage E-HAB OFF. _____ V AC	☐
	3. Check / supply voltage E-HAB ON. _____ V AC	☐
	4. Supply Voltage between 85% and 115% of nominal voltage with all connected loads operating.	☐
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.)	☐
E-HAB Operation	Place switch SSI is in AUTO position.	
	1. Have the RTC request SCD remotely on to verify the E-HAB turns on. Contact RTC to ensure that the SCD(s) displays as running.	☐
	2. Verify and record Ambient temperature: _____C°	☐
	3. Set temp setpoint above ambient temperature: _____C°	☐
	4. Place switch SS1 in the FORCE position.	☐
	5. Verify the E-HAB unit starts and runs properly.	☐
	6. Check for unusual noises or vibration.	☐
	7. Check the status LED "Fail" remains off and unit operates properly.	☐
Performance (Temperature)	Check and record nozzle and duct temperature measurements using an digital Infrared Temperature sensor:	
	Point End Nozzle: _____ C°	☐
	Track Duct (far end): _____ C°	☐
Upon Completion of Inspection	**Winter**	
	Check E-HAB doors are closed, covers are secure.	☐
	E-HAB SS1 Mode Switch set to AUTO.	☐
	Spring	
	E-HAB Disconnect Switch set to OFF.	☐
	AC Power Feed OFF and Locked out. Remove Control Module, apply ID tag and store in a secure location.	☐

Subject	Action	Check

Legend

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

(/) – Test not performed or not applicable

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

[1] Operating Manual Model No. 934, Rev B RECO©, Plymouth, MN., USA.

Comments /Observations: