

**GO TRANSIT SIGNALS & COMMUNICATIONS
GENERAL INSTRUCTIONS**

GI-611(b)-F Inspection form for Fastrax® FEB E-HAB SCD Systems

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

Subject	Action	Check
General	New Installation	<input type="checkbox"/>
	Existing Installation	<input type="checkbox"/>
	Planned Repairs	<input type="checkbox"/>
	Spring Shutdown	<input type="checkbox"/>
	Remove Track Ducting	<input type="checkbox"/>
	Winter Startup	<input type="checkbox"/>
Category 1 Operational Tests	Voltage between 85% and 115% of nominal voltage with all connected loads operating. Record measured Voltage _____	<input type="checkbox"/>
	COLD AIR MODE Test	<input type="checkbox"/>
	FAN Motor Rotation Test	<input type="checkbox"/>
	Test / Lubricate Fan Motor Bearings	<input type="checkbox"/>
	Replace Motor	<input type="checkbox"/>
	HOT AIR MODE Test	<input type="checkbox"/>
	Aerial Snow Sensor operation	<input type="checkbox"/>
	Replace Aerial Snow Sensor	<input type="checkbox"/>
	Ground Snow Sensor operation	<input type="checkbox"/>
	Replace Ground Snow Sensor	<input type="checkbox"/>
	AC Power left ON.	<input type="checkbox"/>
	FEB Disconnect Switch Left ON.	<input type="checkbox"/>
	Request RTC to turn on SCD(s) at control location.	<input type="checkbox"/>
	Confirm SCD(s) operate with RTC control.	<input type="checkbox"/>
	Contact RTC to ensure that the SCD(s) displays as running.	<input type="checkbox"/>
	Category 2 Mechanical Inspections	Check all FEB ductwork for damage or obstructions.
Removing Ductwork? Install heater compartment blanking plate.		<input type="checkbox"/>
Installing Ductwork? Remove heater compartment blanking plate.		<input type="checkbox"/>
Inspect FEB Blower Wheel Condition		<input type="checkbox"/>
Inspect FEB Control Cabinet - Level, Cover, door gaskets.		<input type="checkbox"/>
Horizontal and vertical clearance of FEB E-HAB housing and ducting does not impose on Metrolinx's track clearance envelope. Refer to GI-601 Dynamic Clearance Envelope.		<input type="checkbox"/>
Discharge Point nozzles properly secured and in good condition.		<input type="checkbox"/>
Point Nozzles installed.		<input type="checkbox"/>
Nozzles within 2" to 3" from switch points, below top of rail and clear of rail web by 2.5" in.		<input type="checkbox"/>
Rodent screens installed.	<input type="checkbox"/>	

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Category 2 Mechanical Inspection <i>Continued</i>	Tie straps (2) securely installed and in good condition.	<input type="checkbox"/>
	Track duct deflectors installed, 18" wide at points protecting point nozzles and 8" at heel protecting track duct.	<input type="checkbox"/>
	Flex duct is secured properly. Duct is in good condition.	<input type="checkbox"/>
	Distribution duct secured and in good condition.	<input type="checkbox"/>
	Distribution ducting insulation sections - isolation tests.	<input type="checkbox"/>
Category 3 Electrical & Functional Inspection	Fastrax® FEB Control Cabinet Wiring	<input type="checkbox"/>
	Loose or frayed wiring	<input type="checkbox"/>
	Retighten connections	<input type="checkbox"/>
	Terminal Box - Bus bar terminations	<input type="checkbox"/>
	Heater unit - Inspect for and remove foreign matter / debris/	<input type="checkbox"/>
	Heater elements. Table 1. Measure resistance of each element.	<input type="checkbox"/>
	Replace elements.	<input type="checkbox"/>
	Test / Lubricate Fan Motor Bearings	<input type="checkbox"/>
	Replace Motor	<input type="checkbox"/>
	Functional Test Steps 1 through 9 completed.	<input type="checkbox"/>
	FEB Disconnect Switch set to OFF (Spring Shutdown)	<input type="checkbox"/>
	AC Power Feed Locked out (Spring Shutdown)	<input type="checkbox"/>
Legend (✓) - Check complete, equipment in satisfactory condition. (X) - Check complete, equipment requires repair or replacement. Indicate in the Comments/Observations table below, the issue and corrective action.		

Comments /Observations: