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Field Amendment Notice 12341

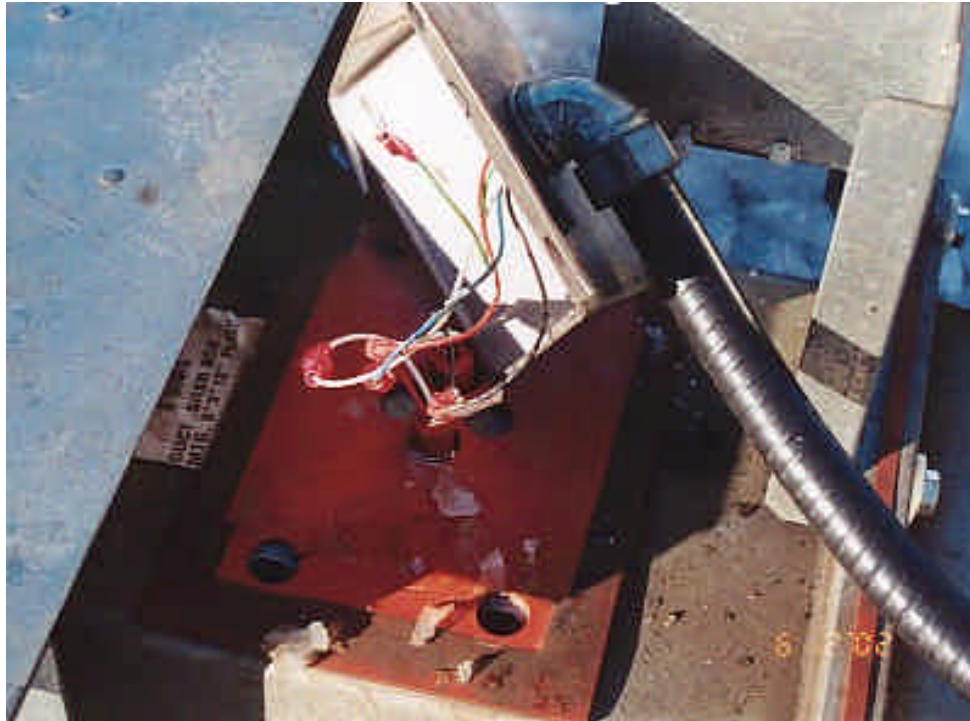
SUBJECT:	Leaking thermostat cover, Hovey part number 17320	DATE	Apr 19, 2002
CONCERN:	Nuisance shut downs due to false high limit thermostat alarm.		

Models Affected:	Customer	Model	Serial number
	BNSF RR	HF400 16698 rev A YM200 17335 rev A YM200 17335 rev C	03602/1 OCT 2001 237 to 253 02587/1 NOV 00 480, 482, 484, 486, 489, 490 03295/1 JUL 2001 163, 165, 166, 170, 171, 173
	Calgary LRT	HF900 16999 rev A	03024/1 APL 2001 72 to 85
	Canadian National RR	HF900 18001-01 rev A	02985/1 MAR 2001 52 to 71 03098/1 APR 2001 90 to 119 03343/1 AUG 2001 194 to 203 03983/1 FEB 2002 01 to 04 04050/1 MAR 2002 41 to 50
		HF900 18010-01 rev A	03030/1 APR 2001 120 to 151 03245/1 JUN 2001 156 and 157
		HF900 18010-01 rev B	04000/1 FEB 2002 05 to 22
		HF900 18010-03 rev B	03419/1AUG 2001 205, 206, 207, 208 04023/1FEB 2002 23, 24, 25
		HF900 18010-03 rev C	04061/1 MAR 2002 56 to 67
		HF400 18005-01 rev D	03716/1 NOV 2001 280 and 281 03830/1 DEC 2001 282 to 284 03857/1 DEC 2001 315 and 316
		HF400 18005-01 rev E	04060/1 MAR 2002 68 to 72
		YM200 17335 rev A	02266/1SEP 2000 481, 483, 487 and 488
	YM200 18020-01 rev A	02587/1 NOV 00 526, 527, 529, 530, 531, 532, 533, 535, 537, 538, and 540	
	Luzenac	YM200 17335 rev A	02587/1 NOV 00 528
Union Pacific RR	HF900 17001 rev B	02969/1 MAR 2001 36 to 50 03342/1 JUL 2001 174 to 193 03464/1 SEP 2001 209 to 233 03743/1 NOV 2001 255 to 279 03839/1 DEC 2001 285 to 314 04043/1 FEB 2002 26 to 40	
	YM200 17335 rev A	02266/1SEP 2000 486	

Problem

Reports have been received this winter of moist air leaking into the thermostat cover, from the sensor duct, condensing and short circuiting the 120V lead of the high limit thermostat to ground. The amount of current leakage is enough to put the LOGO PLC into alarm, but not enough to pull up the high limit relay.

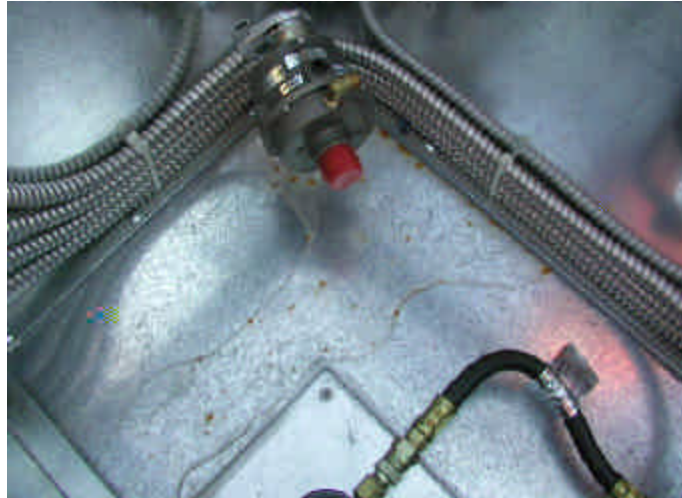
Typically, the heater is reported in alarm by dispatch. The maintainer finds the heater alarm contact closed, but the alarm light is not lit (because the high limit relay does not close). Resetting the heater requires turning the power off then back on.



Cont...

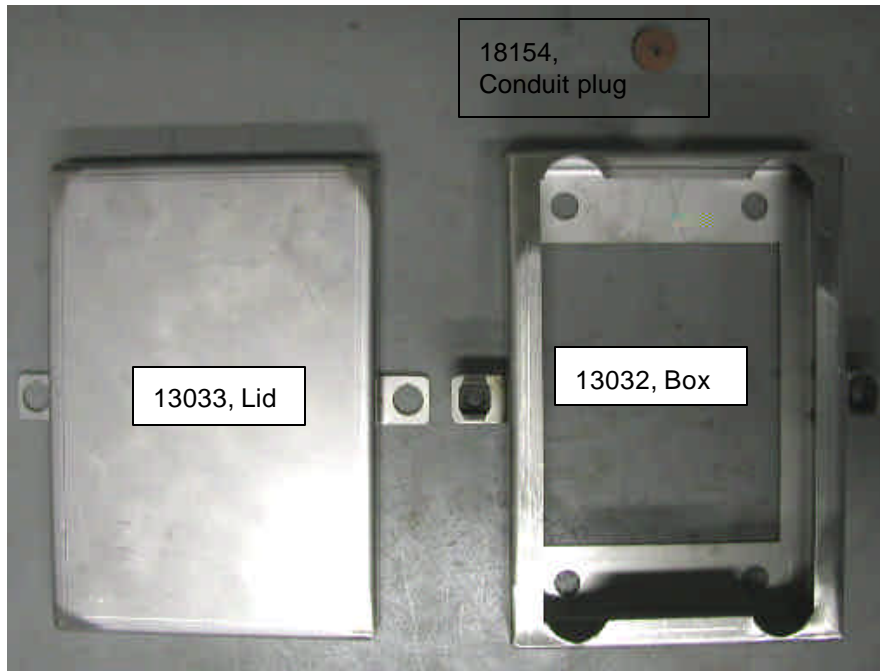
Problem, continued

Signs of moisture inside the electrical /gas enclosure, is another indication of the problem. This is caused as a result of moist air travelling up the thermostat conduit and condensing inside.



Corrective Action

Contact Hovey at 613-822-1765, to obtain a warranty replacement box part number 13032, lid part number 13033, and conduit plug part number 18154.



Replace the thermostat cover with the new box and lid. This box seals properly against the sensor duct and allows any accumulated moisture to vent. The silicone conduit plug, once installed prevents air and moisture from entering the conduit and travelling up into the electrical /gas enclosure. As an added measure, apply dielectric silicone grease, such as Dow Corning “**4 Electrical Insulating Compound**”, to the thermostat wire connections to keep water out.

**Installation
Instructions**

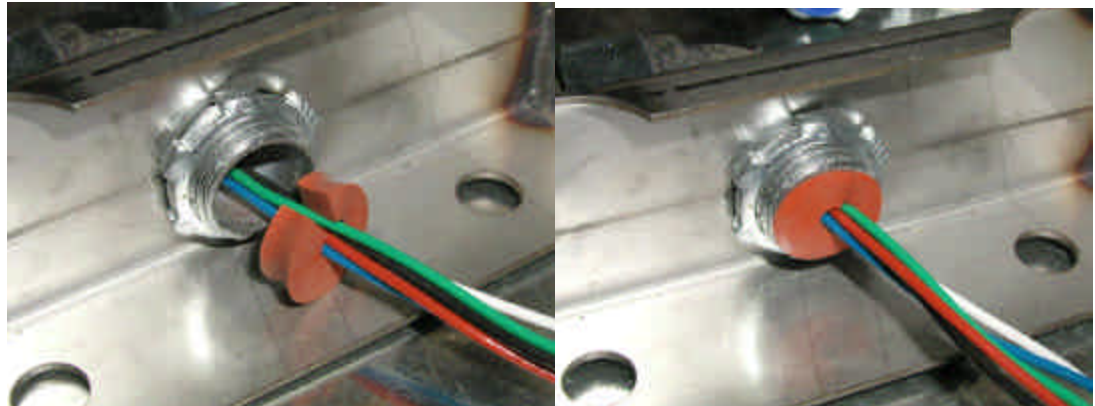
First remove the old cover from the sensor duct. Disconnect the thermostats. Undo the conduit fitting lock nut and remove cover. Keep the gasket and leave the thermostat attached to the duct.



Remove the anti-short bushing from the conduit elbow.



Install conduit elbow into new box and install conduit plug.



Attach box to the sensor duct, make sure to install ground wire under one of the bolt heads. Apply dielectric insulating compound to thermostat connectors and reconnect leads. Install lid and fasten.

