

**TECHNICAL SERVICE BULLETIN  
RAFNA RAILGEAR**

**PUMP ASSEMBLIES FOR R-290 RAILGEAR  
PART NUMBERS R-048 AND R-048B**

**ISSUE DATE:** January 25, 2008

**TSB NUMBER:** TSB-169 Rev A

<b>HAZARD / URGENCY RATING</b>	
	<b>DANGER</b> - Physical harm is possible if TBS is not observed or followed
<b>X</b>	<b>WARNING</b> - Equipment damage is possible if TBS is not observed or followed
<b>X</b>	<b>CAUTION</b> - Essential issue affecting operation, service, parts or installation
	<b>INFORMATIONAL</b> - Advisory which may be of interest

**APPLICABLE EQUIPMENT:**

All Rafna R-290 Railgear where R-048 or R-048B, Pump Assemblies are used.

**SUMMARY:**

All further issues of R-048 and R-049B pump assemblies will now come with a thermal switch installed to protect the motor from over heating.

**IMPACT:**

Make certain when replacing new pump assembly that the two, (2), additional thermal switch wires are attached as per Rev B drawings EXXXXXR048ICC and EXXXXXR048B. Added power supply to center terminal, and to wire to ignition activated power supply.

**ACTION:**

On replacement pump assemblies attach thermal switch wires per drawings EXXXXXR048ICC and EXXXXXR048B. Added power supply to center terminal, and to wire to ignition activated power supply.



