

TECHNICAL SERVICE BULLETIN	
ISSUE DATE: 03/13/19	TSB NUMBER: TSB-199
HAZARD / URGENCY RATING	
	DANGER - Physical harm is possible if TSB is not observed or followed
	WARNING - Equipment damage is possible if TSB is not observed or followed
	CAUTION - Essential issue affecting operation, service, parts or installation
X	INFORMATIONAL - Advisory which may be of interest

**APPLICABLE EQUIPMENT:**

ALL RAFNA R-290 RAILGEAR SHIPPED WITH BUCHER PUMP MODEL M-3204-0114 SHOWN ON THE RESERVOIR AS DEPICTED.



**SUMMARY:**

THE R-048 PUMP SERIES IS SUPPLIED WITHOUT A PLASTIC OR METAL BOX ON THE MANIFOLD DUE TO THE COILS AND CARTRIDGE VALVES BEING WEATHERPROOF.

**IMPACT:**

NO LONGER PROVIDES ADDITIONAL ENVIRONMENTAL PROTECTION WITH THE ENCLOSED BOX AS SEEN IN PREVIOUS PUMP MODELS AND THERE IS NO PLACE TO AFFIX THE OPERATING DECALS.

**ACTION:**

A STEEL MANIFOLD BOX KIT IS AVAILABLE TO RETROFIT TO THE MANIFOLD.

**PROCEDURE:**

CALL JIM HUTCHISON AT G&B SPECIALTES, INC. FOR PRICING AND AVAILABILITY OF THE STEEL MANIFOLD BOX KIT AT 570-752-5901 EXT 135. DETAILS OF THE KIT ARE ON SHEET 2. SEE MANUAL MIO-H29STLMB19 FOR DETAILED INSTALLATION INSTRUCTIONS OF THE STEEL MANIFOLD BOX KIT.

G&B Specialties Inc. 535 West 3rd Street, Berwick, PA, USA Tel: 1-570-752-5901 Fax: (570) 752-6397



<b>Rafna Industries Ltd.</b>				12-Mar-19		
<b>K-H29STLMB19 Hydraulic Manifold Steel Box Kit</b>				Rev. C		
Vehicle Application Chart						
Year	Make	Model #	Model			
<b>Replacement Manifold Box to Retrofit to New Bucher Design</b>						
Part Number	Description	# Req.	Remarks	Check		
<b>K-H29STLMB19</b>						
R-13201	Pump Manifold Box	1				
R-13203	Box Cover	1				
R-13204	Screw, M5 x 0.8mm x 12mm Lg.	1				
R-10540	Plate, Manifold Insulator	1				
S-003025	Strain Relief, Cord	2				
S-003026	Strain Relief, Slotted	1				
S-003028	Boot	4				
R-990KIT-212A	Bolt, 1/4" UNC x 3/4" Lg.	4	Fasten Cover to Box			
	Washer, 1/4" Lock Gr. 8	4				
	Washer, 1/4" Flat Type A Narrow	4				
	Bolt, 1/4" UNC x 1" Lg.	4				
R-990KIT-212	Washer, 1/4" Lock Gr. 8	4	Fasten Manifold to Bracket			
	Washer, 1/4" Flat Type A Narrow	4				
CO-130N	Decal Plate, Front Gear Up	1				
CO-130O	Decal Plate, Rear Gear Up	1				
CO-130P	Decal Plate, Front Gear Down	1				
CO-130Q	Decal Plate, Rear Gear Down	1				
M/O-H29STLMB19	Installation & Operations Manual	1				
<table style="width: 100%; border: none;"> <tr> <td style="width: 40%; vertical-align: top;"> <p>Legend: 1, 2, 3 = revision # C = Item Changed D = Item Deleted A = Item Added</p> </td> <td style="width: 60%; vertical-align: top;"> <p>Packed By : _____</p> <p>Tags : _____</p> <p>Customer : _____</p> <p>Date : _____</p> <p>Work order : _____</p> <p>Quantity : _____</p> <p>Pump S/N: _____</p> </td> </tr> </table>					<p>Legend: 1, 2, 3 = revision # C = Item Changed D = Item Deleted A = Item Added</p>	<p>Packed By : _____</p> <p>Tags : _____</p> <p>Customer : _____</p> <p>Date : _____</p> <p>Work order : _____</p> <p>Quantity : _____</p> <p>Pump S/N: _____</p>
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