



## Seismic Hydraulic Brake Hose Routing

<b>Bulletin Type:</b>	Safety Recall
<b>Bulletin #:</b>	19V-169 2019-125
<b>Job Code:</b>	9901426
<b>Flat Rate:</b>	<b>RC024</b> Inspt <b>ALL</b> hoses (6) Total .25 <b>RC025</b> Replace a damaged hose .2 (MAX 6) <b>RC026</b> When hose replacement is required: <i>BLEED BRAKES</i> – 2.5 per unit

<b>Publication Date:</b>	April 2019
<b>Make(s):</b>	Jayco
<b>Model(s):</b>	Seismic w hydraulic brakes
<b>Model Year(s):</b>	2017-2019

<b>Incident:</b>	Inspect hydraulic brake hoses for incorrect routing and for any damage caused by incorrect routing.																																																																																																
<b>Affected Units:</b>	<table border="1" style="width: 100%;"> <thead> <tr style="background-color: #e1eef6;"> <th colspan="6">2017 Seismic Fifth Wheels</th> </tr> </thead> <tbody> <tr><td>H19G0051</td><td>H19G0086</td><td>H19G0087</td><td>H19G0098</td><td>H19G0103</td><td>H19G0108</td></tr> <tr><td>H19G0130</td><td>H19G0137</td><td>H19G0153</td><td>H19H0070</td><td>H19K0055</td><td>H19K0071</td></tr> <tr><td>H19K0080</td><td>H19K0086</td><td>H19K0090</td><td>H19K0092</td><td>H19L0050</td><td>H19L0063</td></tr> <tr><td>H19L0068</td><td>H19M0056</td><td>H19M0060</td><td>H19M0064</td><td>H19M0071</td><td>H19M0076</td></tr> <tr><td>H19M0080</td><td>H19M0081</td><td>H19N0053</td><td>H19N0056</td><td>H19N0065</td><td>H19N0066</td></tr> <tr><td>H19N0070</td><td>H19N0082</td><td>H19N0084</td><td>H19N0088</td><td>H19N0089</td><td>H19N0095</td></tr> <tr><td>H19N0097</td><td>H19N0124</td><td>H19N0126</td><td>H19N0130</td><td></td><td></td></tr> <tr style="background-color: #e1eef6;"> <th colspan="6">2018 Seismic Fifth Wheels</th> </tr> <tr><td>J19G0053</td><td>J19G0054</td><td>J19G0119</td><td>J19G0128</td><td>J19G0170</td><td>J19G0175</td></tr> <tr><td>J19K0051</td><td>J19K0063</td><td>J19K0065</td><td>J19K0071</td><td>J19L0063</td><td>J19L0079</td></tr> <tr><td>J19N0054</td><td>J19N0103</td><td>J19N0123</td><td>J19N0127</td><td>J19N0145</td><td>J19N0153</td></tr> <tr style="background-color: #e1eef6;"> <th colspan="6">2019 Seismic Fifth Wheels</th> </tr> <tr><td>K19M0054</td><td>K19N0069</td><td>K19N0091</td><td>K19N0094</td><td>K19N0096</td><td>K19N0097</td></tr> <tr><td>K19N0099</td><td>K19N0101</td><td>K19N0121</td><td>K19N0138</td><td>K19N0139</td><td>K19N0141</td></tr> <tr><td>K19S0061</td><td>K19S0062</td><td>K19T0053</td><td>K19T0057</td><td></td><td></td></tr> </tbody> </table>	2017 Seismic Fifth Wheels						H19G0051	H19G0086	H19G0087	H19G0098	H19G0103	H19G0108	H19G0130	H19G0137	H19G0153	H19H0070	H19K0055	H19K0071	H19K0080	H19K0086	H19K0090	H19K0092	H19L0050	H19L0063	H19L0068	H19M0056	H19M0060	H19M0064	H19M0071	H19M0076	H19M0080	H19M0081	H19N0053	H19N0056	H19N0065	H19N0066	H19N0070	H19N0082	H19N0084	H19N0088	H19N0089	H19N0095	H19N0097	H19N0124	H19N0126	H19N0130			2018 Seismic Fifth Wheels						J19G0053	J19G0054	J19G0119	J19G0128	J19G0170	J19G0175	J19K0051	J19K0063	J19K0065	J19K0071	J19L0063	J19L0079	J19N0054	J19N0103	J19N0123	J19N0127	J19N0145	J19N0153	2019 Seismic Fifth Wheels						K19M0054	K19N0069	K19N0091	K19N0094	K19N0096	K19N0097	K19N0099	K19N0101	K19N0121	K19N0138	K19N0139	K19N0141	K19S0061	K19S0062	K19T0053	K19T0057		
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<b>Parts Kit is ONLY required when inspection finds damage hose(s).</b>	<p style="text-align: center;"><b>Parts Kit #: 19V-169</b></p> <p style="text-align: center;">1 - 18" Hydraulic brake hose w fitting</p>																																																																																																
<b>Misc. Tools &amp; Supplies:</b>	Screw gun w/#2 square drive bit 3/8" open end wrench. Correct brake fluid (see instructions)																																																																																																

## INSPECTION INSTRUCTIONS

Inspect hydraulic brake hoses for correct routing and/or damage.

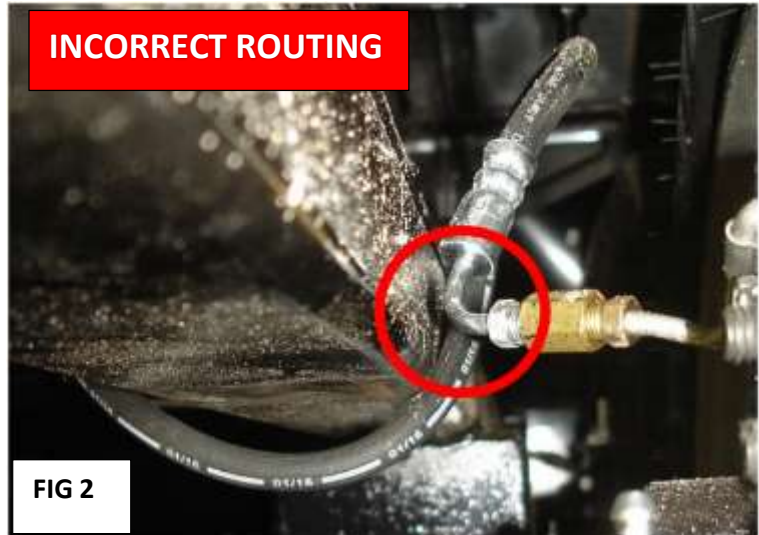
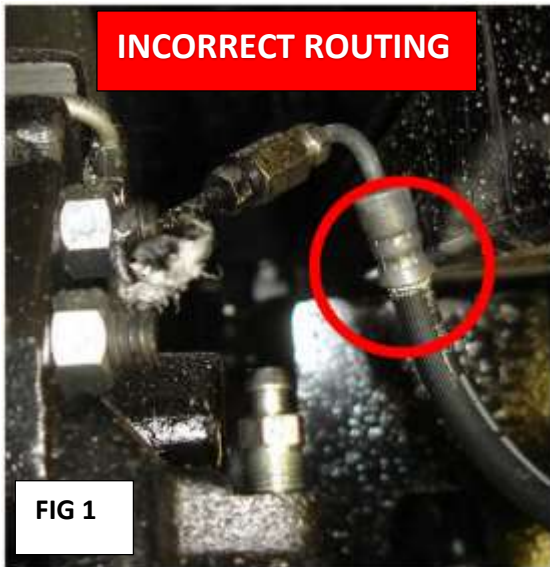


FIG 1 & FIG 2:

- **INCORRECT** routing of the hydraulic brake lines.
- The circled areas in each photo show the metal brake lines contacting the frame due to orientation of the fitting and the hose routing.

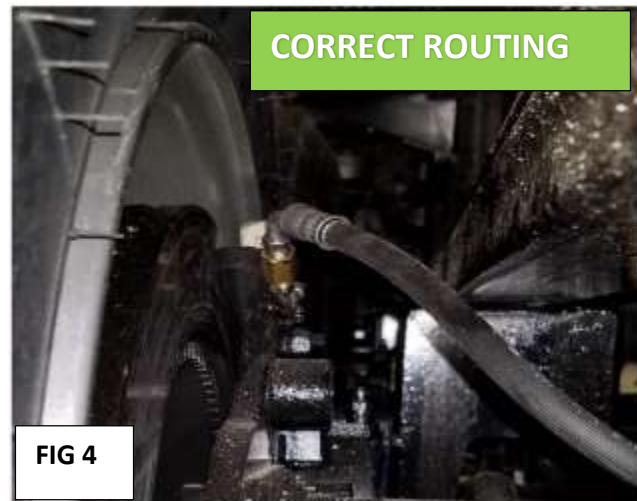
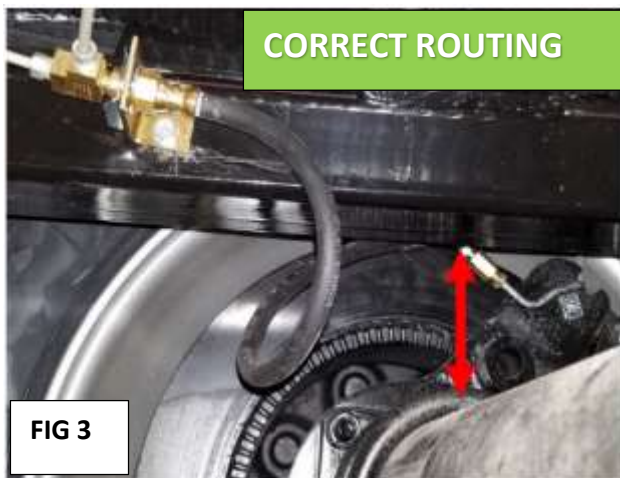


FIG 3 & FIG 4:

- **CORRECT** routing of hydraulic brake lines.
- There is adequate clearance between the brake hose and surrounding moving components (e.g. wheel, tire, frame, axle...ect.)
- **NOTE: Fig 3** – the hose is NOT in the crush area (axle to frame) Red Arrow.

## REPAIR INSTRUCTIONS

### 1. Inspect the hose and fitting condition:

- a. If there are any signs of damage due to routing and inadequate clearance,
- b. Hose **must** be replaced and brakes bled.

### 2. Hose and Fitting not damaged: Inspect hose routings for proper clearances.

- a. Adequate clearances to surrounding moving parts (minimum of ½")
- b. If the hose does **NOT** have adequate clearances and is not damaged, bend the metal fitting using light hand pressure to correct the orientation and obtain the required clearances.

### 3. Replacing brake hoses:

- a. Drain the brake lines.
- b. Loosen the connections
- c. Replace damaged hose sections
- d. Refill the brake system **with correct brake fluid** (refer to brake bleeding instructions below)
- e. Bleed the system of excess air (refer to brake bleeding instructions below)
- f. Validate brake function.



FIG 5:

- Rubber brake line connections to caliper.
- Remove the rubber brake line at the fitting going into the caliper (arrow).
- Metal brake line may need to be bent to provide the correct orientation and clearances.

FIG 6:

- Rubber brake line connection to the distribution valve.
- Loosen fittings to remove the damaged hose section.
- Make sure the mounting bracket stays secure during the process.

# Bleeding and Brake Adjustment



Fill the unit with DOT 3, DOT 4, or DOT 5 brake fluid to the bottom of the reservoir filler neck. When putting the filler cap back on, it should be turned clockwise until snug.

<b>CAUTION</b>
<p><b>Always use new DOT 3, DOT 4, or DOT 5 brake fluid from a sealed container. Never attempt to reuse old or dirty fluid. Do not overfill the unit. Take care to protect painted surfaces from contact with the brake fluid. Wash off any spilled brake fluid.</b></p>

1. It typically is much easier to bleed the brakes with two people working together.
2. Special care must be taken to insure that the Dexter E/H brake actuator does not run out of brake fluid. Check the fluid level frequently during the bleeding process.
3. Block the wheels on the trailer and towing vehicle.
4. Install plastic tubing onto the bleeder screw of the wheel cylinder/caliper farthest from the Dexter E/H brake actuator. If towed vehicle has multiple axles, always start with the rear axle first.
5. Immerse the free end of the plastic tube in a clean clear container partially filled with brake fluid.
6. Open the bleeder screw on half turn on the wheel cylinder/caliper.
7. To activate the Dexter E/H brake actuator, turn the ignition switch on and use the manual slide on the brake controller.
8. Watch the free end of the bleeder hose for any air bubbles escaping into the clear container. Continue to bleed the wheel cylinder/caliper until the fluid becomes clear and free of bubbles.

<b>CAUTION</b>
<p><b>Do not run the Dexter E/H brake actuator without adequate brake fluid in the reservoir as it may damage the unit and void the warranty. Check all bleeder screws to ensure that they are securely closed and do not leak.</b></p>

9. Tighten the bleeder screw, turn off the Dexter E/H brake actuator, and remove plastic tubing from the bleeder screw. Bleeding of the wheel cylinder/caliper is now complete.

# Bleeding and Brake Adjustment



10. Refill the Dexter E/H brake actuator with brake fluid.
11. Continue the above process (Steps 5 through 11) on the next farthest brake away from the actuator.
12. Repeat these steps until all the brakes have been bled.
13. New trailers with disc brakes should be bled at least twice. Any air in the brake system will cause brake delay with an E/H brake actuation system.

*Jayco's sole obligation under our limited warranty is to repair or replace defective materials and/or workmanship deemed our responsibility as determined by Jayco at our sole discretion. Jayco reserves the right to use new and/or remanufactured parts or materials of similar quality to complete any work, and to make parts and/or design changes as appropriate without notice to anyone. Jayco designs and/or materials changes are done without obligation to incorporate such changes in previously manufactured product. Jayco makes every reasonable effort to ensure field remedies will not adversely affect performance and/or safety of the unit. This field remedy is not intended to extend to future performance of this RV, or any of its materials, components or parts beyond the standard warranty period. The RV owner's obligation to notify Jayco, or one of its independent, authorized dealers, of a claimed defect does not modify any obligation placed on the RV owner to contact Jayco directly when attempting to pursue remedies under state or federal law.*

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