From: gmclist-bounces@temp.gmcnet.org on behalf of rick flanagan
To: gmclist@temp.gmcnet.org
Subject: Re: [GMCnet] AUBURN RALLY ATTENDIES
Date: Saturday, June 05, 2010 1:30:44 PM

Ken,
To answer a few of your questions:

1. 80mm disk brakes with ceramic pads on front & forward bogies and 70mm disk brakes on rear bogies with metallic pads.

2. We’ll need more information on your brake setup. Jim Kanomata will be the best person to answer this question.

3. The distance between the spindle flange & end of the hub is very limited. Varies from coach to coach & between bearing sets. We designed a CUSTOM bronze bushing for this space, because of space limitations, dirty environment & multiple spindle diameters to seat on. There is a zert fitting at one end of the caliper adapter plate with grease grooves on both ID & OD of the bushing. We used a standard 1-1/2” ID x 1-1/4” long bronze bushing on the torque box side. It is also greased by a zert located on the backside of the torque box.

4. We used urethane A-arm bushings on both ends of the reaction arm on the REV 1 design. On REV 2 WITH THE SWAY BARS, we use a LARGE urethane bushing with grease grooves where the sway bar mounts to the frame. The custom sway bar end is formed with a ¾” hole punched in it. This slips over a .74” OD case-hardened steel sleeve that is pinched between the two triangular shaped ears on the torque box. ¾” flat washers are stacked on either side of the sway bar end to take up the majority of the extra space along with two ¼” thick o-rings to cushion some of the vector loading from the sway bar. We use the flat washers, because the distance between bogie arms is not the same on all coaches.

5. Yes, there is more to this then meets the eye. It’s designed to flex with the bogie arms when backing, turning & going over rough roads. It’s designed with interchangeable parts that will fit onto any GMC coach. (As far as I know)

Last night I put together a few exploded views of the reaction arm system. I've attached them to this post, see below.

Cheers,
Rick Flanagan

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