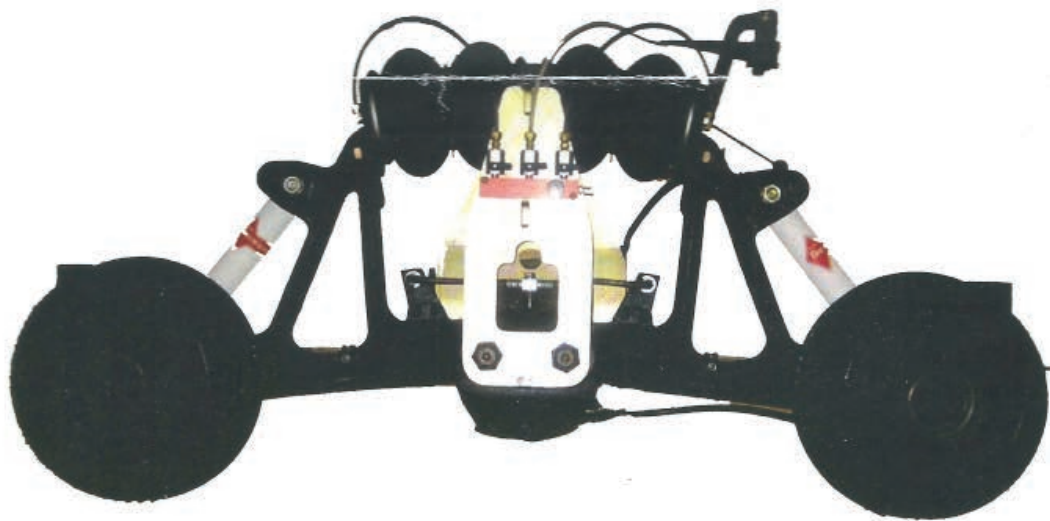


**I AM
A
HAPPY
DRUMMER**



I sent everyone's comments concerning the Hydro-Boost braking system to Bob Stone. As you know, he developed, manufactures and sells the system through Jimi K's Applied GMC.

Bob doesn't use a computer and asked me to post these basic comments in response:

1. Bendix says the vacuum system on our coaches would not be used today because its capacity is 7,000 pounds GVW.
2. The GVW capacity of Hydro-Boost is 18,000 pounds.
3. The goal is to get better brakes.
4. Reliability is a constant with Hydro-Boost because the pressure is constant vs. variable with vacuum.
5. Bob fully agrees with Rick Denny's statement: "Too much can be modulated but not enough has no cure."
6. The object is to have maximum braking force for all 6 wheels without locking up (with the front braking slightly first).
7. He is open for suggestions for any improvements in his system and is willing to install and test them on his own coach. 2,200 pounds pressure is available.
8. Test drive a coach with Hydro-Boost, ²²⁰⁰ you may like it.

PLEASE CALL BOB STONE IF YOU HAVE QUESTIONS: 618-964-9124

Thanks.

Tom Whitton

26 foot updated GMC

Paducah, KY

Bob

I submitted this to the GMC Net Saturday, May 29. So far no one has posted a comment.

Tom

Monday, May 30, 2016 (Sat) (Day)

JUNE 8
STILL NO REPLIES
THEY AREN'T WITH
ARGUING WITH
TRUTH
TOM

Master cylinder booster combinations and theoretical pressure

Force available from vacuum booster Dave Lenzi panic stop 1,473 lbs

Force available from hydroboost 1.56" piston diameter and 1,350 psi steering pressure 2,579 lbs

	Vacuum Booster	Bob Stone Hydroboost
1.25" master cylinder	1,198 psi	2,098 psi
34 mm master cylinder	1,048 psi	1,835 psi
37 mm master cylinder	852 psi	1,549 psi
40 mm master cylinder	761 psi	1,332 psi

The hydroboost force does not include additional force that can be applied by the pedal

Vacuum boost force does include additional force that can be applied by the pedal

Wally's Data

Rear Front + Wally's Data Step by Step

1,800 1,800 80 Front Rear Shoe 34 MM M/C

$$10,968 + 4,800 + 4,800 = 20,568 \times 1.8 = 37,022$$

700 1,800 Change to 80 mm center 60 mm Rear

$$10,968 \times 1.8 = 19,742 \quad 10,968 + 6,566 = 17,534 \times .4 = 7,013 + 19,742 = 26,755$$

800 1,000 Swap lines on M/C for volume

$$10,968 \times 1 = 10,968 \quad 17,534 \times .8 = 14,027 + 10,968 = 25,095$$

1,020 1,380 Swap M/C for 40 mm

$$10,968 \times 1.38 = 15,135 \quad 17,534 \times 1.02 = 17,884 + 15,135 = 33,019$$

1,350 1,350 Reengineer M/C for more piston travel

$$10,968 \times 1.35 = 14,806 \quad 17,534 \times 1.35 = 23,670 + 14,806 = 38,476$$

1,650 1,650 Reengineer increase Power Steering pump

Pressure by 300 P.S.I.

$$10,968 \times 1.65 = 18,097 \quad 17,534 \times 1.65 = 28,931 + 18,097 = 47,028$$

[illegible][illegible]

Calculated Pressure
at 1000 P.S.I. - 3

D	54.6	5451	70	8,372
I	60	6,566	$\frac{15}{16}$	4,800
S	70	8,372	$\frac{15}{16}$	4,800
C	80	10,968		17,972
	$\frac{7}{8}$	4,100		
D	$\frac{15}{16}$	4,800		17,972
R	—	5,500		$\frac{81.2}{21,566}$
D	$\frac{1}{16}$	6,200		
	$\frac{1}{8}$	6,950		17,972
M.	$\frac{1}{16}$	7,650		$\frac{82.2}{39,538}$

Enhanced Drum

$$\begin{array}{r} 80 \\ 78 \\ 1\frac{1}{4} \end{array} \quad \begin{array}{r} 10,968 \\ 4,100 \\ 6,200 \\ \hline 21,268 \end{array}$$

Disc	
Disc	10,968
Drum	10,968
80	4,800
80	
15	
76	
	26,736

$$\begin{array}{r} \text{wally} \\ 800 \ 10,968 \\ 800 \ 10,968 \\ 600 \ 6,566 \\ \hline 28,502 \end{array}$$
$$\begin{array}{r} 28,502 \\ \times 1.65 \\ \hline 47,028 \end{array}$$
$$\begin{array}{r} 26736 \\ \times 22 \\ \hline 58,819 \end{array}$$



SHOPPING LIST

12/05/2016

Quote Total:

\$74.45

Customer Purchase Order:

Tender Type:

Cash

Note to Store : These notes are provided by the customer and are not binding on AutoZone

JD MUSCLE CAR SERV 747685 (618) 889-9972

VEHICLE: NO VEHICLE GIVEN FOR THE BELOW ITEMS

QTY	ITEM	DESCRIPTION	PART NO	COST	CORE	EXT COST	CHECK OOH
1		710517 WHEEL CYLINDER 79-80 LTD	33769	\$24.82	\$0.00	\$24.82	☐
1		710327 33710 WHEEL 72-76 GMC C20	33710	\$10.50	\$0.00	\$10.50	☐
1		710319 33709 WHEEL CYLINDER 72-02 GMC C20	33709	\$10.50	\$0.00	\$10.50	☐
1		710301 33708 WHEEL 74-02 GMC C30	33708	\$10.50	\$0.00	\$10.50	☐
1		189456 33608 WHEEL CYLINDER 65-96 Impala	33608	\$9.54	\$0.00	\$9.54	☐
1		189290 33469 WHEEL 68-90 Old Cadillac	33469	\$8.59	\$0.00	\$8.59	☐

All take 2" shoe
Autozone