

## VEHICLE INFORMATION / TEST SPECIFICATIONS

FMVSS No. 105

Vehicle Model Year and Make: \_\_\_\_\_

Vehicle Model and Body Style: \_\_\_\_\_

**Manufacturer recommended brake adjustment performed after burnish (if any):**

\_\_\_\_\_

### **BRAKE SYSTEM WARNING INDICATOR:**

Condition(s) indicated:

( ) Pressure differential switch

( ) Fluid level sensor

Low Fluid: Reservoir Full \_\_\_\_\_ Lamp On At \_\_\_\_\_

Manufacturer recommended safe level of reservoir \_\_\_\_\_

### **MASTER CYLINDER PISTON DIAMETER:**

Primary \_\_\_\_\_

Secondary \_\_\_\_\_

**SERVICE BRAKE PEDAL RATIO:** \_\_\_\_\_:1

### **VARIABLE PROPORTIONING SYSTEM:**

( ) Mechanical ( ) Electrical

Procedure to render inoperative: \_\_\_\_\_

**HYDRAULIC SPLIT:**

( ) Diagonal ( ) Front/Rear

**INOPERATIVE BRAKE POWER ASSIST/BRAKE POWER UNITS:**

Procedure to render inoperative: \_\_\_\_\_  
[S5.1.3.1 unless otherwise stated]

**ANTISKID SYSTEM:**

Procedure to render inoperative: \_\_\_\_\_

**REGENERATIVE BRAKE SYSTEM:**

Procedure to render inoperative: \_\_\_\_\_

**MASTER CYLINDER RESERVOIR:**

Reservoir Capacity: \_\_\_\_\_

Fluid displaced new to worn linings: \_\_\_\_\_

Subsystem 1 capacity: \_\_\_\_\_

Subsystem 2 capacity: \_\_\_\_\_

Primary system fluid output for single stroke of master cylinder: \_\_\_\_\_

Secondary system fluid output for single stroke of master cylinder: \_\_\_\_\_

**FRONT BRAKES (Disc):****DISC SIZE:**

Disc Outside Diameter \_\_\_\_\_ Disc Thickness \_\_\_\_\_

**LINING SIZE:**

Thickness \_\_\_\_\_ Fully Worn Thickness \_\_\_\_\_

CALIPER PISTON BORE DIAMETER: \_\_\_\_\_

**REAR BRAKES**

TYPE: ( ) Disc

DISC SIZE:

Disc Outside Diameter \_\_\_\_\_ Disc Thickness \_\_\_\_\_

LINING SIZE:

Thickness \_\_\_\_\_ *Fully Worn Thickness* \_\_\_\_\_

CALIPER PISTON BORE DIAMETER: \_\_\_\_\_

OR

TYPE: ( ) Drum

WHEEL CYLINDER BORE DIAMETER: \_\_\_\_\_

SIZE: Drum Inside Diameter

LINING SIZE:

Thickness \_\_\_\_\_ *Fully Worn Thickness* \_\_\_\_\_

LINING INSTALLED DIMENSIONS (Nominal Production Values):

Brake Shoe Cage Diameter \_\_\_\_\_

***Diametral Clearance*** =  $\frac{\text{Drum Inside Diameter} - \text{Brake Shoe Cage Diameter}}{2}$  = \_\_\_\_\_**School Bus (< 10,000 GVWR)** Option for Parking Brake Test: ( )S5.2.1 or ( )S5.2.2

**FMVSS No. 105 DATA SUMMARY - MANUFACTURER TEST RESULTS**  
(Use sample table below or similar to provide results)

MY: \_\_\_\_\_ / Make: \_\_\_\_\_ / Model: \_\_\_\_\_

TEST	Loading Condition	Speed (mph)	Stopping Distance Requirement (ft)	Shortest StopMaximum Pedal Force (lbs.)	Shortest StopStopping Distance (ft)
First Effectiveness	GVWR	30			
First Effectiveness	GVWR	60			
Second Effectiveness	GVWR	30			
Second Effectiveness	GVWR	60			
Second Effectiveness	GVWR	80			
Parking Brake	LLVW				
Parking Brake	GVWR				
Stability and Control	LLVW				
Third Effectiveness	LLVW	60			
Failed Hydraulic Circuit #1	LLVW	60			
Failed Hydraulic Circuit #2	LLVW	60			
Failed Hydraulic Circuit #1	GVWR	60			
Failed Hydraulic Circuit #2	GVWR	60			
ABS INOPERATIVE, Signal Transmitted Electrically, RBS, Electrically Actuated Brakes: inoperative	GVWR	60			
Inoperative Power Assist	GVWR	60			
First Fade and Recovery	GVWR	30			
Second Fade and Recovery	GVWR	30			
Fourth Effectiveness	GVWR	30			
Fourth Effectiveness	GVWR	60			
Fourth Effectiveness	GVWR	80			
Water Recovery	GVWR	0			
Spike Stops	GVWR	60			