

**BRAKE DYNAMOMETER
INSTALLATION SHEET**

Procedure DM- 822

E.O. P1586-272DATE: 5-26-81TEST NO. MB-254**TEST CONDITIONS:**Setup No.: 87 Brake Location: R.R. G.T.W.: 3790 Lbs. Roll. Rad: 0.940 Ft.Brake Balance: 70 - 30 % Flywheel Discs: 4.0 Inertia: 548 Lb.-Ft. 2TYPE BRAKE: "X" car duo-servo drum (200 X 45 mm)TECH. rich
TEST NO. MB-254
SHEET NO. 53**DISC BRAKE:**

Lining Material: _____ Description: _____

Rotor Material: _____ Type of Finish: _____

Surface Finish (Microinches - RMS): _____ Rotor Diameter: _____

Rotor Thickness: _____ Hub & Rotor Weight: _____

Caliper Piston Diameter: _____

DRUM BRAKE:Lining Material: Pri. ABEX 261-1 RIVETED ABB 249 FFSec. ABEX 261-2 RIVETED ABB 250 FFDrum Material: Buick production Type of Finish: prod. (interruptive cut)Surface Finish Microinches: 80-90 Drum Diameter: 7.875 inchesDiametral Clearance: .030 inch Drum Weight: 9.93 poundsWheel Cylinder Diameter: 17.5 mm**SPECIAL INSTRUCTIONS:** Install a plug type thermocouple .040 inch below the rubbing surface on the horizontal centerline adjacent to the backing plate side of the secondary shoe web.LIMIT LINE PRESSURE TO 1200 PSI. Use three bolt mounting.USE NO RETURN SPRING ON PARKING BRAKE CABLE.PURPOSE OF TEST: BRAKE EFFECTIVENESS EVALUATION

SCHEDULE	SHEET NO.
1. C.P.S. at 100 °F.: 20, 30, 40 & 60 mph @ 300 psi	54
2. Repeat item number 1 at 500 psi	55
3. Decelerations at 100 °F.: 30, 60 & 80 mph	56
4. Burnish: (200) 40 mph stops, 12 ft/sec ² at 270 °F. initial lining temp.	67
5. C.P.S. at 100 °F.: 20, 30, 40 & 60 mph @ 300 psi	57
6. Repeat item number 5 at 500 psi	58
7. Decelerations at 100 °F.: 30, 60 & 80 mph	59
8. Static Breakaway: (a) apply 100 lbs cable load, rotate drum for 1 (forward direction) revolution at 2 rpm. (do 3 times total)	69
(b) Repeat item number 8a at 150 pounds cable load	
(c) Repeat item number 8a at 200 pounds cable load	
(d) Repeat item numbers 8a, b & c at 10 rpm	
9. Repeat item number 8 in reverse direction	69
10. C.P.S.: 40 mph at 500 psi. Make stops at a time interval to increase lining temperature from 150 to 400 °F. in 20 (+ 2 stops). Use no external cooling. Repeat 9 more times. (10 heat cycles total)	NO DATA
11. After the tenth heat cycle, repeat item numbers 1, 2 & 3 at 400 °F.	60, 61, 62
12. Repeat item numbers 1, 2 & 3 at 100 °F.	63, 64, 65
13. Reburnish: Repeat item number 4 except make only 35 stops	69
14. Repeat item numbers 1, 2 & 3 at 100 °F.	66, 67, 68