

# GROUP 9 BRAKES

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### 9-1 BRAKE SPECIFICATIONS

#### a. Tightening Specifications

Use a reliable torque wrench to tighten the parts listed, to insure proper tightness without straining or distorting parts. These specifications are for clean and lightly lubricated threads only; dry or dirty threads produce increased friction which prevents accurate measurement of tightness.

Part	Name	Thread	Torque
Nut	Brake Cylinder and Pedal Mounting Bracket to Dash . . . . .	3/8 -16	20-28
Nut	Rear Brake Assembly to Axle Housing . . . . .	3/8 -24	45-60
Bolt & Nut	Front Brake Assembly and Steering Arm to Knuckle . . . . .	7/16-20	60-82
Bolt	Front Brake Anchor Pin . . . . .	1/2 -20	80-105
Screw	Attaching Wheel Cylinder to Backing Plate		10-12

#### b. General Specifications

Items	
Operating Mechanism, Service Brakes . . . . .	Hydraulic
Parking Brakes . . . . .	Lever and Cables
Operation of Service Brakes Independent of Parking Brakes . . . . .	Yes
Wheels Braked, Service . . . . .	Front and Rear
Parking . . . . .	Rear Only
Approx. % of Total Braking Power on - Front Wheel Brakes . . . . .	54
Rear Wheel Brakes . . . . .	46
Brake Pedal Height Adjustment . . . . .	Yes
Static Pressure in Hydraulic System when Brakes are Released . . . . .	8 to 16 lbs.
Number of Brake Shoes at Each Wheel . . . . .	2
Brake Type . . . . .	Self Energizing-Servo
Brake Shoe Lining Type . . . . .	1 pc., Molded-Riveted
Front Shoe Lining Width x Minimum Thickness . . . . .	Primary 2.50" x .196"
	Secondary 2.50" x .260"
Rear Shoe Lining Width x Minimum Thickness . . . . .	Primary 2.00" x .196"
	Secondary 2.00" x .260"
Master Cylinder Piston Diameter . . . . .	1"
Wheel Cylinder Size Front . . . . .	1 1/8"
Rear . . . . .	15/16"
Approved Hydraulic Brake Fluid . . . . .	GM or Delco Supreme No. 11 or Equivalent
Fluid Level, Below Lip of Filler Opening . . . . .	1/8"
Shoe Adjusting Screw Setting, from Point where Wheels can just be turned by hand . . . . .	Back Off 30 Notches
Brake Drum Inside Diameter, New . . . . .	9.495" to 9.505"
Brake Drum Rebore, Max. Allowable Inside Diameter . . . . .	9.565"
Max. Allowable Taper, Before Rebore . . . . .	.003"
Max. Allowable Out-of-Round, Before Rebore . . . . .	.006"
Max. Allowable Out-of-Balance of Drum . . . . .	2 in. oz.
Max. Allowable Space Between Lining and Shoe Rim after Riveting . . . . .	.005"

### 9-2 ADJUSTMENTS

Adjustments and service procedures are the same as on other Specials and Skylarks.