Brake System Diagnosis and Repair

Chapter 72 - Part Two

Disc Brake Service

*Fill in the Blanks*

61. A typical major disc brake service involves four basic operations:
   __________________________________________________________________________
   __________________________________________________________________________

62. List the twelve steps for replacing worn disc brake pads:
   __________________________________________________________________________
   __________________________________________________________________________
   __________________________________________________________________________
   __________________________________________________________________________
   __________________________________________________________________________
   __________________________________________________________________________

63. Using the picture below, identify the following brake caliper parts:

![Exploded View of Brake Caliper Assembly]

   64. A ____________________ 72. I ____________________
   65. B ____________________ 73. J ____________________
   66. C ____________________ 74. K ____________________
   67. D ____________________ 75. L ____________________
   68. E ____________________ 76. M ____________________
   69. F ____________________ 77. N ____________________
   70. G ____________________ 78. O ____________________
   71. H ____________________ 79. P ____________________
**True or False**

80.___ You can crush your finger when using compressed air to remove a caliper piston during rebuilding.

81.___ You should use plain soap & water to clean brake caliper parts.

82.___ Coating the brake caliper piston with brake fluid before installation helps to make reassembly go easier.

83.___ You should never use a pointed hook tool to remove the caliper piston seal.

**Fill in the Blanks**

84. The two important precision measurements that need to be made on a brake disc/rotor are the _____ _______ and the _____ _________.

85. The _____ ___ _________ is measured across the two friction surfaces in several different places.

86. The _____ _____ ______ is the amount of side-to-side movement measured near the outer edge of the brake disc’s friction surface.

87. The warpage or brake disc runout typically should not exceed ___”.

88. The machine above is called a

89. The machine above is called an

90. This machine is used for ___________________________.

91. The advantage of using this machine is ___________________________.

**Multiple Choice**

92.___ Brake discs should be inspected for all of the following defects except:
   A. Hot Spots
   B. Cracks
   C. Warpage
   D. Flash Rust
93. ___ When machining a disc, you must do all the following except:
   A. Measure the disc before machining
   B. Measure the disc after machining
   C. Document the measurements on the repair order
   D. Deglaze the friction surface before machining

**Drum Brake Service**

*Fill in the Blanks*

94. A typical Drum Brake Service includes these seven operations:
   ___________________
   ___________________
   ___________________
   ___________________
   ___________________
   ___________________
   ___________________

**Matching**

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95. ___ Drum Micrometer
96. ___ Bleeder Wrench
97. ___ Brake Cylinder Hone
98. ___ Micrometer
99. ___ Brake Spring Pliers
100. ___ Dial Indicator
101. ___ Brake Spring Depressor
102. ___ Brake Pressure Bleeder
True or False

103. ___ Gently hammering on the brake drum can help loosen it.
104. ___ Springs on drum brakes can be different colors.
105. ___ Leaking wheel cylinders will not affect brake operation.
106. ___ Working on drum brakes does not require any special tools.
107. ___ When honing the wheel cylinder it is a good idea to pull the hone out of the cylinder while it is spinning to ensure a smooth finish.

Matching

108. ___ Primary shoe
109. ___ Secondary shoe
110. ___ Anchor pin
111. ___ Adjuster spring
112. ___ Shoe hold-down spring
113. ___ Primary return spring
114. ___ Secondary return spring
115. ___ Adjuster cable
116. ___ Parking brake lever
117. ___ Star wheel self-adjuster
118. ___ Shoe hold-down spring
119. ___ Parking brake link
Multiple Choice

120. All of the following are good methods of remembering how the rear drum brake parts go together, except:
   A. Taking a digital picture
   B. Taking only one side apart at a time
   C. Making a drawing
   D. Using the owner’s manual

121. If a brake drum’s inside diameter is too big the drum must be:
   A. Machined
   B. Replaced
   C. Resized
   D. Inserted

122. The preparation of the brake drum’s inner surface is called:
   A. Machining
   B. Turning
   C. Resurfacing
   D. All of the above

123. Brake shoe linings are fastened to the brake shoe by:
   A. Rivets
   B. Glue
   C. Both of the above
   D. Neither of the above

124. Lubricating of the backing plate:
   A. Should never be done
   B. Should be done with high temp grease
   C. Should be done generously with brake shoe lube
   D. Should be kept clean and dry

125. Parking brakes should never be adjusted too tight or:
   A. Brakes can overheat
   B. Brakes can drag
   C. Brakes can cause pulling
   D. All of the above