The following is a list of typical problems and their symptoms found on brake systems. Put the correct letter or letters of the most likely solutions of the problems from the list (some answers may be used more than once).

1) _________ Vehicle pulls to the right when braking
2) _________ RWD vehicle dives under hard braking
3) _________ Brake pedal must be pushed harder than normal for brakes to operate
4) _________ Brake pedal sinks below normal level before vehicle will stop
5) _________ A “grinding” sound is heard from the front when brakes are applied (disc brakes)
6) _________ Brake pedal feels mushy or spongy
7) _________ A “rattling” or clicking noise is heard from the front (disc brakes)
8) _________ Brakes will not release
9) _________ A “squeaking” noise is heard from the front (disc brakes)
10) _________ Brake warning light on dash is on
11) _________ Brake lights do not turn off after pedal is released
12) _________ Brake fluid must be re-filled regularly
13) _________ Rear brakes wear out quickly
14) _________ Brake warning light will not turn off after brakes are bled
15) _________ A “rubbing” sound is heard when brakes are applied
16) _________ Brakes “grab” when applied
17) _________ Noise is heard from the rear (drum brakes)
18) _________ A “vacuum sound” or sucking noise is heard inside vehicle when brakes are applied
19) _________ Shaking through steering or brake pedal vibration when braking
20) _________ Vehicle has a lack of stopping power
21) _________ No brake lights
22) _________ Brake pedal suddenly sinks after car is stopped to a point lower than normal.
23) _________ Vehicle pulls to left when braking
24) _________ Rear wheels lock up during hard braking
25) _________ Front brakes wear out quickly
SOLUTIONS

A) Left front floating brake caliper sticks in spindle
B) Master cylinder defective
C) Brake switch out of adjustment
D) No anti-squeal compound on brake pads
E) Drum brakes need adjustment
F) LF brake shoes are fluid contaminated
G) Air in brake system
H) Metering valve is stuck open
I) Front brake rotors are warped or have excessive run out
J) Brake shoes are contaminated with brake fluid
K) Master cylinder pushrod out of adjustment
L) Right front drum brake out of adjustment.
M) Proportioning valve defective
N) Brake shoes are binding/sticking on backing plates
O) Metering valve is stuck closed
P) Power assist brake booster is defective
Q) Emergency brake out of adjustment.
R) Brake light switch defective
S) Brake rotors weren’t cleaned after machining
T) Brake return or holdown spring broken or missing

U) Spool valve stuck in pressure differential switch
V) Low fluid level in master cylinder
W) Floating hardware for LF caliper is corroded
X) Brake drums have excessive runout.
Y) Grease or contaminants on brake linings
Z) Emergency brake is on
AA) Emergency brake cable corroded
BB) Leak in hydraulic system
CC) Disc brake pads are worn to wear indicator tabs
DD) Open fuse to brake light circuit.
EE) Drum brakes need to be cleaned/lubricated
FF) Anti-rattle clips are missing or defective
GG) Wheel cylinders leak
HH) Left caliper piston is sticking in bore
II) Hydraulic pressure is uneven in brake system
JJ) Brake pads are completely worn out to metal
KK) Leak in RF brake hose
LL) Front brake disc not seated completely against hub