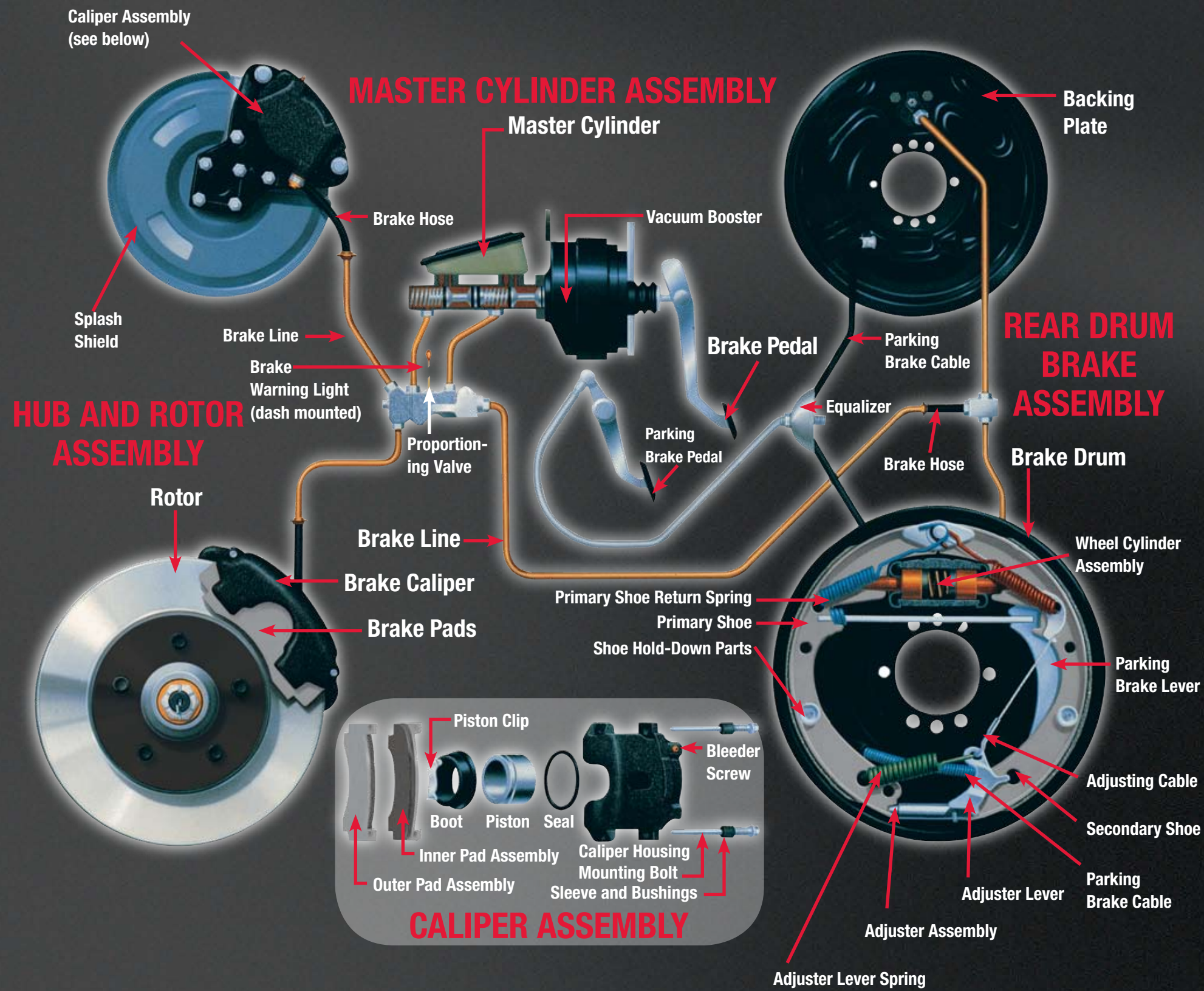
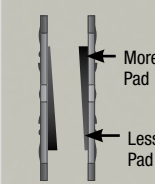


# BRAKE SYSTEM DIAGRAM



## DIAGNOSING BRAKE SYSTEM PROBLEMS

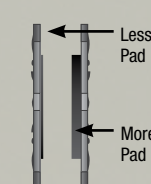


### Tapered Wear

A gradual slope of the pad material creating uneven thickness on either end of the pad.

Often caused by:

- Worn rubber caliper bushings
- Worn caliper slide rails
- Improper lubrication

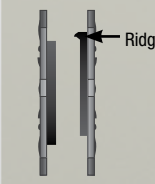


### Uneven Wear

One side of the pad set has significantly less unused friction material than the other.

Often caused by:

- Worn rubber caliper bushings
- Worn caliper slide rails
- Caliper piston sticking
- Improper lubrication

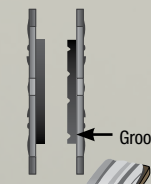


### Overhang Wear

Ridges on the top or bottom edges of pads.

Often caused by:

- Misplacement of pads in caliper housing
- Worn hardware components
- Worn caliper slide rails
- Improper lubrication

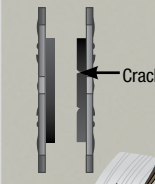


### Grooved Wear

Symmetrical grooves or etches in the surface of the friction material.

Often caused by:

- Failure to apply non-directional finish to turned rotors
- Failure to wash rotors

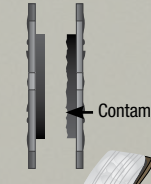


### Cracked Linings

Excessive cracking of friction material.

Often caused by:

- Excessive vibration
- Worn caliper components
- Improper lubrication



### Friction Contamination

Friction material is contaminated with foreign substance.

Often caused by:

- Oil leak
- Improper use of anti-noise substance
- Lubrication of friction side of pad

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