

A Good “Minimum” Brake Job

1. Question customer about problems with car and type of use.
2. Road test car (unless undriveable) and note problems.
3. Index wheels to hub and remove.
4. Perform brake inspection.

Disc Brake Service

5. Refinish rotor either on-car or off-car.
 - a. Fast cut as necessary.
 - b. Slow cut.
 - c. Polish to 50 micro inch or better, using a non-directional finish.
 - d. Clean using soap and water, brake cleaner, or denatured alcohol and a paper towel.
6. Replace and lubricate caliper mounting hardware.
7. Inspect, clean, polish and lubricate all caliper and pad sliding surfaces on both car and caliper. Use silicone gel or synthetic lubricant.
8. Loosen seized bleeder screws and clear of dirt/debris.
9. Repack wheel bearings (as applicable) with proper grease and replace grease seal.
10. Install and adjust wheel bearings per OE specs. Use a new cotter pin.
11. Using correct procedures, install pads in caliper. To help prevent squeal eliminate pad looseness by cinching pad to caliper (if applicable) and install anti-squeal disc shims as required or disc brake noise insulator liquid if shims are not called for.
12. Install caliper/pad assembly on car. Tighten mounting bolts using a torque wrench.

Drum Brake Service

13. Remove drum and clean brake assembly using OSHA approved method. Do not raise dust.
14. After removing old shoes and hardware, polish backing plate in areas where shoe web contacts.
15. Loosen seized bleeder screws and clear of dirt/debris.
16. Rebuild or replace wheel cylinders.
17. Replace all hardware and return springs.

18. Install new shoes. Lubricate:
 - a. Backing plate shoe contact points.
 - b. Parking brake arm pivot point.
 - c. Self-adjuster screw.
 - d. Upper or lower anchor pin.
19. Refinish brake drum.
 - a. Fast cut as necessary.
 - b. Slow cut.
 - c. Clean using soap and water, brake cleaner or denatured alcohol and a paper towel.
20. Pre-adjust shoes and re-install drums.

General Service

21. Fill master cylinder with fresh clean brake fluid as specified by the vehicle manufacturer.
22. Bleed hydraulic system using manufacturer's approved sequence. Flush entire system until only new fluid appears at bleeder screws.
23. Re-check system for leaks.
24. Re-adjust rear brakes. Adjust parking brake per OE specifications.
25. Recheck master cylinder fluid level, per OE specifications. Do not "top off" or overfill.
26. Reinstall wheels, lining up index marks. Tighten lug nuts to manufacturer's specifications using a torque wrench.
27. Gently road test the car. If OK, break-in pads and shoes using correct procedure.