

Preventive Maintenance for Buses

The Transportation Department has a Preventative Maintenance (PM) sheet they go by which is shown below. One part is set for a 5000 mile service; another is set for a 20,000 mile service. There are different areas that are checked for when doing this service. Drivers write up their buses for service every 500 miles before it is due. Many of these things the shop checks are items checked daily by drivers during their pre-trip inspections.

5,000 Mile PM Service

Interior

- _ Check interior lights
- _ Check heater, defrosters, and heater pump for proper operation
- _ Check door for proper operation
- _ Check entry door striker plate
- _ Check mirrors and brackets
- _ Check horn
- _ Check washers and wipers for proper operation
- _ Check low air pressure warning devices
- _ Check compressor for proper cut in and cut out pressure
- _ Applied and unapplied brake test
- _ Check emergency exits, buzzers and seals
- _ Check seats, seat frames and hand rails
- _ Check and clean air conditioner filters
- _ Check warning triangles
- _ Check fire extinguishers
- _ Lube driver's seat and steering column
- _ Check dash gauges and lights
- _ Check fast idle on air conditioner buses
- _ Check for emergency exit stickers
- _ Check driver's seat belt
- _ Check transmission fluid

Exterior

- _ Check lights, reflectors and stop arm
- _ Check wiper blades
- _ Check front door hinges for breakage
- _ Check for broken or chipped glass
- _ Load test batteries
- _ Check battery for water and clean terminals

Drive Train

- _ Check coolant level and mixture
- _ Check power steering fluid
- _ Change oil and filters and take oil sample
- _ Check for engine oil leaks
- _ Check belts for wear and tension
- _ Check fan clutch for air leak
- _ Check fan clutch for proper operation

- _ Check air conditioner compressor and hoses for leaks
- _ Lube chassis
- _ Check for coolant leaks
- _ Check and tighten clamps
- _ Check for power steering leaks - tighten clamps
- _ Check power steering box loose nuts or play
- _ Check tie rod ends drag link for play
- _ Check transmission fluid
- _ Check transmission modulator for air leak
- _ Check throttle treadle valve for air leaks
- _ Check for loose or dangling wires
- _ Check trans. hoses for leaks
- _ Check differential fluid
- _ Check differential for leaks
- _ Check differential breather
- _ Check carrier bearings, drive shaft, counter weight bolts, and u-joints
- _ Check for exhaust leaks
- _ Check exhaust clamps and hangers
- _ Check suspension for wear and cracks
- _ Check tires for wear and pressure
- _ Check for loose wheel nuts
- _ Check rims for damage
- _ Check and clean hub oilers

Brakes

- _ Check hub seals for leaks
- _ Check and adjust brakes
- _ Check slack adjusters
- _ Check brake hoses
- _ Cycle SRI valve
- _ Drain air tanks, check for sludge, blow out air tanks
- _ Check pop off valve

Wheel Chair Buses

- _ Lube lift and check fluid
- _ Check lift operation - manual and electric
- _ Check door opening warning light
- _ Check seat belt safety switch

20,000 Mile PM Service

(Includes the 5,000 mile PM services)

- _ Service transmission
- _ Change fuel filters
- _ Change power steering filter
- _ Change air compressor filter
- _ Change water filters
- _ Check springs
- _ Engine tune up (Cummins)
- _ Steam clean engine, transmission, differential, springs, and fuel tank

- _ Clean and paint wheels
- _ Lube windows and doors with silicone spray
- _ Tighten body to frame bolts