MAINTENANCE MATTERS

Winter cold has begun. Take the extra time to ensure that your fleet is ready.

With winter here and snow beginning to fall, is your coach ready? Take the time to thoroughly inspect your coach. Taking some extra time now may help avoid costly down time later. Motor Coach Industries suggests following the regular service intervals as outlined in the maintenance manual. A complete set of these guidelines can be downloaded from our website.

A quick reference sheet:

Interior

- State inspection
- Entry door operation
- Entry door seals
- Temperature and oil warning devices
- Neutral safety switch
- Horn, gauges, and dash lights
- HVAC operation fans
- Booster pump
- Refrigerant level
- Windshield wipers and washers
- Indicator lamps
- Throttle operation
- Brake pedal play and operation
- Back-up alarms
- Low-air warning buzzer
- Air governor settings: cut in / cut out
- Interior lights
- Condition of windshield glass
- Seats and seat mounting
- Fire extinguisher and mounting
- Road warning devices and mounting
- First aid kit and mounting
- Emergency exit operation and signage
- Driver seat belt
- Lavatory door and lock
- Foot rests
- PA and video systems

Exterior

- All exterior lights
- Clean or replace HVAC filters
- Check condition of evaporator and condenser motor brushes. Replace if less than 3/4" long
- Mirror condition and mounting
- Mirror heater condition (pad ice onto rearview mirrors to ensure that mirror heaters are functional)
- Axle flange and lug nuts
- Hub oil levels
- Tire condition: tread depth / sidewalls
- Load-test batteries and record voltage
- Spare belts
- Record body damage
- Operation and seals of all doors
- Operation and lubrication of door locks

Engine Compartment

- Visible fluid leaks
Engine oil level
Transmission oil level
Power steering fluid level
Engine compartment lights
Hoses condition: chafed / rubbing
Coolant level protection
Air filter condition
Rear start operation
Exhaust system leaks
Fan gear box oil level
Clutch and / or transmission linkages
Lavatory exhaust fan operation
Lavatory dump valve leaks
Check block heater operation
Check preheater operation

Under Coach

King pin and wheel bearing play: all axles
Drag link and tie rod ends
Wheel seals: all axles
Steering box mounting, u-joints, linkage
Starter mounting and condition
Shock mounting condition: all axles
Air bellows
Leveling valves and linkage
Radius rod bushings
Radius rod mounting
Transmission output shaft play
Differential pinion play
Slop yoke play
Fuel tank mounting, straps, and lines
Record brake block thickness
Record tire pressures
Torque wheels
Check U-joints in drive line for play
Differential fluid level

Air / Brakes

Visible and audible air leaks
Air lines along chassis
Air brake chambers / relay valves
Slack adjuster linkage and bushings
Air tank mounting and lines
Record brake lining thickness
Record brake travel applied and released
Park brake operation
Drain air tanks
Air tank check valves
Air dryer operation: purge cycle / heater
Air system build-up time
Leak-down test: 1/10 psi per minute maximum

Engine Oil

Change engine oil
Replace oil filters
Replace fuel filters
Replace coolant filter
Check transmission oil level
Check for oil / fuel leaks
Check air filter restriction
Check the following:
- Check power steering fluid level
- Check antifreeze level
- Check fan gear box oil level
- Transmission output shaft play

**Wheelchair Lift**
- Check lift operation
- Check for stress cracks mounting and alignment
- Check for worn lift parts
- Inspect all hydraulic lines
- Check hydraulic fluid level
- Inspect electrical connections and harness
- Inspect safety barriers
- Lubricate lift mechanism
- Inspect wheelchair tie-downs

**Charging System**
- Check and adjust voltage regulator
- Check operation of battery equalizer (not to exceed ½ volt difference between batteries)
- Check cables at batteries / starter / chassis
- Check belt alignment

**Brake Travel / Blocks**
- Test brake blocks: Front / Drive / Tag

**Tire Pressure / Tread Depth**
- Check tire pressure and tread depth: Front / Drive (outer and inner) / Tag / Spare

**Wheel Nut Torque**
- Check wheel nut torque: Front / Drive (outer and inner) / Tag

Download your printable shop copy of this handy maintenance checklist and get started today.

For any technical information, please refer to the Maintenance manual, or call 800-241-2947 and ask to speak to a member of the Technical Call Center team.