



## **PARTS, SERVICE and SUPPORT**

CUSTOMER CARE  
WARRANTY

MCI PARTS STORE  
SERVICE CENTERS

### **TECHNICAL SUPPORT**

- Technical Training Institute
- Service Bulletins
- Maintenance Tips
- Preventive Maintenance
- Quick Reference Charts
- Publications

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- Emergency Roadside Assistance
  - Locate a Service Center
  - Locate your Customer Solutions Team
  - Parts Credit Application

## **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 (pack 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

- ✓ 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
- ✓ Slip 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 air filter restriction
- ✓ 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.

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