RV Maintenance

Chassis Tips	by Freightliner Custom Chassis Corporation
On chassis equipped with a rear radiator, it is very important that the radiator and charge air cooler be inspected at regular intervals. Cummins® recommends inspecting the charge air cooler every 7,500 miles. This should also apply to chassis with Caterpillar® engines. This is because air and dust are	If possible, raise the vehicle onto safety stands. Do not store the vehicle on the hydraulic leveling jacks. Hydraulic jacks will "bleed" pressure over time, lowering the coach back onto the tires. Cover tires to protect from heat and sunlight.
being blown through the radiator and charge air cooler and can	If possible, release the parking brake.
build up and reduce the airflow through the cooling system.	Remove and clean the battery. Always disconnect
This is considered part of normal maintenance. From the engine side of the radiator, use a flashlight to	the negative (-) cable first. Store the battery in a cool, dry place and keep it charged.
look into the fan shroud at the face of the charge air cooler. If	Lubricate all grease fittings on the chassis and
there is any dirt buildup, this should be cleaned, using a water	drivetrain.
hose and a mild solvent. If this is not done, the system can	Cover all engine and transmission openings with
become clogged and can result in engine overheating.	moisture-resistant tape.
Engine Compartment Maintenance	Removing from Storage
When camping in remote areas, check the engine compartment	When removing your motor home from storage, the following
for small animals that may have taken refuge for the night	steps should be taken to give it maximum protection:
before starting your engine. They like the warmth of the engine	Remove covers from tires and thoroughly inspect the
compartment but will make a real mess if you start the engine	tires for damage. Inflate them to the correct pressure
while they are nestled in the fan shroud.	for the actual weight on the tires. Consult the Michelin [®] Tire Guide for correct tire pressure. Weigh
Preparation for Storage	your coach if you don't know the coach weight.
When storing your motor home for an extended period of time	Check for fluid leaks. Repair as necessary.
(60 days or more), the following steps should be taken to give	Check for fluid leaks. Repair as necessary. Check engine oil level. Add oil if needed.
it maximum protection.:	Check engine on level. Add on a needed. Check coolant level in reservoir and radiator (do not
Date placed in storage:/	open radiator cap on hot engine).
Mileage on vehicle:	Check hydraulic fluid level in reservoir. Add fluid if
Fill fuel tank and add a high-quality fuel stabilizer to	needed.
the fuel (never store with a partially full tank of fuel).	Check engine belts for wear, damage or cracking.
Change the engine oil and filter (used oil does not	Check engine fan for damage.
give adequate protection).	Check fuel/water separator. If empty, prime fuel
Cooling system was originally protected with	system per instructions in your operator's manual.
antifreeze to -34 degrees F. If colder temperatures are	Check engine compartment for nesting animals.
expected, adjust the mixture. If coolant has been in	Check for leaks and damage to hoses and wiring.
the vehicle for five years or 100,000 miles, flush the	Check rear-axle lubricant level.
cooling system and fill with an appropriate mixture of	Lubricate chassis and drivetrain.
antifreeze and softened water, and be sure that the	Check the charge level of the battery. Clean ends of
coolant contains a rust inhibitor.	battery cables. If batteries need to be removed or
If it has been more than 18 months or 24,000 miles	replaced, install a clean and fully charged battery.
since the transmission has been serviced, change the	Always connect the positive (+) cable first and then
fluid and filter.	the negative (-) cable. Coat the battery terminals and
Service the fuel filters.	connectors with a protective sealant.
Run the engine until fully warmed up.	Turn the ignition to the RUN position. Verify that the
Operate the air conditioning.	fuel gauge and voltmeter are operating properly.
If possible, store the vehicle in a dry, well-ventilated	If stored on safety stands, lower vehicle at this time
area, protected from sunlight.	and set the parking brake.
Check tires for damage and set tire pressure to	Run engine until warm. Re-check for fluid leaks.
maximum as indicated on the sidewall of the tire.	Check transmission fluid level using the Cold Check
Clean the tires using the normal, mild soap that you	method in your Allison® transmission operator's
would use to clean your RV.	manual. Add fluid if necessary.
	Check all exterior lights, and replace as necessary.