

NEWELL COACH SERVICE AND PREVENTATIVE MAINTENANCE CHECKLIST (PM)

Date 8-15-22 Coach VIN. (Last 4) 394 Customer [REDACTED]

Service Order # 21351 Generator hours 1707 Mileage 114,973

WORK ORDERED

() As required

- | | | <u>Steer Axle</u> | <u>Drive Axle</u> | <u>Tag Axle</u> |
|-----|---|-----------------------|-------------------|-----------------|
| | ↔ 365/70R22.5 LRL | 120 psi (20400 lbs) * | 115 psi (315) | 90 psi (365) |
| | ↔ ZF-315/80 R22.5 LR-L | 130 psi | 115 psi | 110 psi |
| 493 | ↔ R/M- 315/80 R22.5 LR-L | 130 psi | 110 psi | 80 psi |
| | ↔ LR 24 5- LRG & LRH- Michelin/Goodyear (see tire inflation chart) | | | |
| 493 | ↔ INSPECT TIRES- If over seven years recommend replacement. On new coaches use DOD. If customer declines have them initial here. Customer Initials _____ | | | |
| 493 | ↔ Check levels of engine oil, coolant and differential | | | |
| 493 | ↔ Check levels of generator oil and coolant (<i>needs fuel and ran</i>) | | | |
| 493 | ↔ Check windshield washer reservoir | | | |
| 470 | ↔ Check battery water (Non-AGM) | | | |
| 97 | ↔ Clean air filters on air conditioners | | | |

* Owner may adjust tire pressures based on verified operating weight using Michelin RV pressure chart

() Every six months
not to exceed
15,000 miles

- 493 (X) Check/adjust brakes or check slack adjusters
- 493 (X) Re-torque lug nuts (450 ft. lbs.)
- 493 (X) Lubricate chassis, remove and clean differential vent
- 493 (X) Drain water from fuel tanks and air tanks
- 493 (X) Add anti-algae additive to fuel tank
- 493 (X) Lube steering gear and tighten mounting bolts
- 493 (X) Inspect/lubricate generator exhaust with anti-seize where applicable
- 470 (X) Check all exterior lights
- 97 (X) Check operation of heating systems
- 470 (X) Check engine & transmission fault codes
- 493 (X) Clean and lube screen door slide (mid-entry)
- 470 (X) Check generator fire extinguisher, replace if necessary
- 470 (X) Check fire extinguishers for charge indication
- 97 (X) Clean refrigerator coils
- 493 (X) Check engine air cleaner for obstructions

() Every 500 hours/1 year

- 493 (X) Change engine generator oil and fuel filters. (150 hours if oil is non-synthetic)
- ↔ Inspect/clean water separator screen on Martin 20KW's
- 493 (X) Inspect and clean air filter - replace as necessary
- ↔ Check and clean radiator fins

() Every 1000 hours

- ↔ Drain and refill cooling system -run and check for air lock

() Every twelve months

- ↔ Change engine oil and filters- Detroit/CAT & Cummins 15k/one year- (Reset VMS)
- ↔ Change fuel filters
- ↔ Clean or replace DEF doser filter
- 97 (X) Change Aqua-Hot nozzle, filters, Clean inspect burn chamber & mirror. Inspect cap and overflow tube for condition. Check pump, wiring and contacts
- 97 (X) Service engine air conditioning
- ↔ Check silicone at shower base
- 470 (X) Clean and tighten electrical grounds
- 493 (X) Change Nacool engine filter (Every 3 years with extended coolant package)
- 470 (X) Change air dryer filter

15a
26a

A/C
 1 16.4
 2 15.4
 3 15.8

- 493 (X) Check all air bags
- 470 (X) Install new battery merge solenoid
- 470 (X) Load test batteries with 750 amp load
- (X) Check and lubricate room bearings
- 493 (X) Check antifreeze protection and adjust as necessary
- 97 (X) Change water filter cartridges, Everpure, Amana
- (X) Check tag axle steering for low pressure light on ZF coaches
- 67 (X) Service roof air conditioning *Basement Air*
- () Check/adjust belts and hoses, engine, generator & blower motor
- 470 (X) Change batteries in smoke and CO2 detectors (front and rear)
- 470 (X) Inspect/clean Outback Inverter filters
- (X) Inspect Cummins vibration damper
- 493 (X) Inspect fan idler pulley, hub and belt tension
- (X) Braun entry step- check chain tension, motor bolts, and electrical connections
- (X) Check Intrepid version, update as needed

- () Every 25,000 miles () Three axle wheel alignment recommended (**\$449 additional charge**)
- 493 (X) Replace engine air filter *FF needed*
- () Check oil in front & tag axle hubs (pre-ZF)
- 493 (X) Change transmission ATF (except Mobil Delvac or TranSynd synthetic ATF)
- () Inspect shock absorbers for damage and wear

- () Every 2 years () Inspect/clean after-cooler core
- () Replace PuraGuard filters as applicable
- () Cat- Replace thermostat
- 493 (X) Change filter on air dryers & on main air engine
- () Change engine belts and hoses
- () Flush and change coolant (Unless coach has extended 5/6 year coolant type)
- () Inspect wheel bearings-(4yr/300K/ZF) **if re-pack indicated, charge time and materials.**
- () Grease ZF release fork (2 years/100,000 miles- whichever is less per KU@ZF-US)
- () Cummins ISX - check EGR system and hoses 120K or 2 years

- () Every 3 years () Replace the travel mode valves
- () Replace both SMC down tag axle solenoids (DANA only)
- () Replace Cummins crankcase breather 1 year/125k miles
- () Change hydraulic fluid and filter (**external filter only**)
- () Detroit/CAT- Inspect/adjust, valves, injectors, and compression brake – 15,000 to 60,000 miles
- () Change Rockwell differential oil (100,000 mile limit)
- () Change ZF transmission oil (335,000 mile limit)
- () Change ZF differential oil (150,000 mile limit)
- () Change Allison transmission oil and filters @ 75,000 miles or 3 years. If using new **high capacity** filter and Mobil Delvac or TranSynd ATF oil, change filter at 75k or years and oil at 300,000 miles or 4 years

- () Every 4 years () Change Allison Xmsn oil if using Mobil Delvac or TranSynd ATF and large capacity oil filter
- () Every 5 years () Check valves for adjustment- Cummins ISX (500K or 5 years)
- () Every 6 years () Change Mobil Delvac Extended Life Coolant (600k or 6 years)

I DECLINE RECOMMENDED PERIODIC MAINTENANCE _____ (INITIALS). I REQUEST WORK INDICATED ABOVE _____ (INITIALS) Note: Please consult your specific coach owner's manuals for more detailed maintenance guidelines