

TIRE INFLATION TABLE

H. Tires

1. Valve stem placement.
2. Adjust air pressure in accordance with the air pressure chart.
 - a. Individually weigh front and rear axles to determine weight on each axle and adjust tire pressure accordingly.

TIRE INFLATION TABLE

Michelin Tires												
		Inflation Pressure P.S.I.										
Tire Size	Weight Lbs.	60	65	70	75	80	85	90	95	100	105	
235/80 A 22.5 LR 'F'	Frt. Axle	7,190	7,630	8,070	8,555	9,085	9,350					
	Rear Axle ¹	3,585	14,375	15,260	16,140	17,110	17,640					
255/70 R 22.5 LR 'G'	Frt. Axle	6,175	6,590	7,000	7,410	7,820	8,235	8,645	9,055	9,470	9,980	
	Rear Axle	11,469	12,205	12,950	13,695	14,440	15,180	15,930	16,670	17,415	18,160	
255/80 R 22.5 LR 'I'	Frt. Axle				8,260	8,820	9,480	9,920	10,400			
	Rear Axle				15,260	16,320	17,280	18,300	19,240			

NOTE: For longest tread life and best ride, load coach as it would be in normal use, weigh front and rear axles, and adjust tire pressure per above table.

ROUTINE ENGINE MAINTENANCE

Routine maintenance is the key to prolonged life of a engine. The following are the maintenance schedules for all of the offered engines.

B Series Maintenance Schedule

CUMMINS 6BT SERIES

Daily or Refueling	Every 3 Months 250 Hours or 8,000 Km (5,000 ml)	Every 6 months 500 hours or 16,000 Km (10,000)	Every 12 months 1000 hours or 33,000 Km (20,000 ml)	Every 2 years 2000 hours or 64,000 Km (40,000 ml)
Check			Change/Replace	
<ul style="list-style-type: none"> • Oil Level • Coolant Level • Fan - Inspection • Drive Belt - Inspection • Fuel Water Trap 	<ul style="list-style-type: none"> • Lube Oil • Lube Filter 	<ul style="list-style-type: none"> • Lube Oil • Lube Filter • Fuel Filter 	<ul style="list-style-type: none"> • Lube Oil • Lube Filter • Fuel Filter 	<ul style="list-style-type: none"> • Lube Oil • Lube Filter • Fuel Filter • Antifreeze*
			Adjust	
			<ul style="list-style-type: none"> • Valve Lash Clearance 	<ul style="list-style-type: none"> • Valve Lash Clearance
			Check/Inspect	
	<ul style="list-style-type: none"> • Air Cleaner • Intake System 	<ul style="list-style-type: none"> • Air Cleaner • Intake System • Antifreeze 	<ul style="list-style-type: none"> • Air Cleaner • Intake System • Antifreeze • Fan Hub • Belt Tensioner Bearing • Belt Tension • Belt Tension 	<ul style="list-style-type: none"> • Air Cleaner • Intake System • Fan Hub • Belt Tensioner Bearing • Belt Tension • Dampener
<p>*Must use a heavy duty antifreeze that meets the chemical composition of GM6038M. The change interval is 2 years or 320,000 KM (2000,000 mi), whichever occurs first.</p>				
<p>NOTE: Refer to the data plate inside the coach for specific engine and transmission model numbers.</p>				

C Series Maintenance Schedule

CUMMINS 6CT SERIES

TRANSMISSION MAINTENANCE

The following is the engine filters, fluids, and capacities chart.

ENGINE: FILTERS, FLUIDS, AND CAPACITIES							
Engine	Oil Filters	Recom'd Oil	Oil Pan Capacity	Total Oil Capacity	Fuel Filters	Coolant Filters	Recom'd Coolant
Cummins 6BTA 5.9	Fleetguard # LF 3349	CE/SF 15W-40	15 Quarts	17.3 Quarts	Fleetguard #'s Dual Filter System FF 5052 FF 5038 Single Filter System FS 1226		Low Silicate 50% Ethylene Glycol Antifreeze 50% Water
Cummins 6CTA 8.3 240 Hp	Fleetguard # LF 734	CE/SF 15W-40	20 Quarts	23.7 Quarts	Fleetguard #'s Dual Filter System FF 5052 FF 5038	Fleetguard #'s Initial WF 2072 After That WF 2070	Low Silicate 50% Ethylene Glycol Antifreeze 50% Water
Cummins 6CTA 8.3 250 Hp	Fleetguard # LF3000	CE/SF 15W-40	20 Quarts	23.7 Quarts	Fleetguard #'s Dual Filter Sys. FF 5052 FF 5038	Fleetguard #'s Initial WF 2072 After That WF 2070	Low Silicate 50% Ethylene Glycol Antifreeze 50% Water
Cummins 6CTA 8.3 300 Hp	Fleetguard # LF 3000	CE/SF 15W-40	20 Quarts	23.7 Quarts	Fleetguard #'s Dual Filter Sys. FF 5052 FF 5038	Fleetguard #'s Initial WF 2072 After That WF 2070	Low Silicate 50% Ethylene Glycol Antifreeze 50% Water

NOTE: Refer to the date plate inside the coach for specific engine and transmission model numbers

The following is the oil and oil filter change chart for the Allison series automatic transmissions.

OIL AND OIL FILTER CHANGE CHART			
Transmission	Oil Change Interval	Internal Sump and Gov. Filter	External Filter**
AT 500 Series (On-Highway)	25,000 miles (40000 km) or 12 months *	Shallow pan (4 inch), small filter, at each oil change interval. Deep pan (5 inch), small filter, at each oil change interval. Large filter, 25,000 miles (40000 km) or 24 months *	After first 5,000 miles (8000 km) and at normal oil change intervals, thereafter
MT 600 Series (On-Highway)	25,000 miles (40000 km) or 12 months *	25,000 miles (40000 km) or 12 months *	After first 5,000 miles (8000 km) and at normal oil change intervals, thereafter
* Whichever occurs first.			
** An Allison high efficiency oil filter may be used until the change filter light indicates it is contaminated or until it has been in use for three years, whichever occurs first. No mileage restrictions apply.			

TRANSMISSION: FILTERS AND OIL				
Transmission	Internal filters	Oil	Capacities	External Filter
Allison AT-542	Allison # 29500365	Dextron or Dextron II	11 Quarts	AC # PF-897
Allison AT-545	Allison # 6883044	Dextron or Dextron II	17.5 Quarts	AC # PF-897
Allison MT-643	Allison # 6883044	Dextron or Dextron II	17.5 Quarts	AC # PF-897
Allison MT-647				

Please see Alcoa maintenance guide in the manual.

ENGINE: BELTS

Engine	Main Drive Belt	Freon Drive Belt	Other Belts
Cummins 6BT 5.9	Cummins # 3911588	Dayco # 9455	_____
Cummins 6BTA 5.9	Cummins # 3911564	Dayco # 9455	_____
Cummins 6CTA 8.3	Cummins # 3911572	Dayco # 9465	_____

The following is the engine belt chart.

AIR CLEANER: FILTERS

Air Cleaner	Filters	Remarks
Donaldson	Donaldson # P13-0959	
Nelson	Nelson # 70470N	Has 5" inlet and outlet
Nelson	Nelson # 70469N	Has 4" inlet and outlet

AIR CLEANER FILTER ELEMENT LIST:

NOTE: Be sure to read manufacturers label on air cleaner housing to verify brand, and thus install the proper filter element.

SPARE PARTS PACKAGE DESCRIPTIONS

Due to numerous requests, we have currently put together a spare parts package for various chassis combinations. This package includes those items which may be needed in emergency situations.

This includes all the belts to the engine, fan relay, fuel filter, etc. Items which may be needed in an emergency situation which could help get the coach up and running by either yourself or a service mechanic.

All the parts, come in a neat plastic container which can be stored inside the vehicle.

Listed below is the description of each package and they can be obtained through the Spartan Motors Parts Department at (517) 543-6400.

NOTE: Due to constant vehicle improvements, chassis/package descriptions and prices are subject to change without notice.

E C - 2000 SERIES

Cummins 6BT5.9/rear mounted radiator C6B-EC-RR

Cummins 6BTA5.9/rear mounted radiator C6BA-EC-RR

Cummins 6BTA5.9/rear side mount radiator C6BA-EC-RSR

I C SERIES

Cummins 6BTA5.9/rear side mount radiator C6BA-IC-RSR

Cummins 6CTA8.3/rear side mount radiator C6C-IC-RSR

MOUNTAIN MASTER SERIES

Cummins 6BTA5.9/rear side mount radiator C6BA-MM-RSR

Cummins 6CTA8.3/rear side mount radiator C6C-MM-RSR