



MAINTENANCE INFORMATION


MI20-08

DATE :	April 2020	SECTION :	00 GENERAL
SUBJECT :	STORAGE AND STARTUP GUIDELINES		

First Release

04-20-2020

APPLICATION

Model	VIN
 <p>ALL PREVOST VEHICLES & VOLVO 9700</p>	

DESCRIPTION

Periodically, circumstances arise requiring operators to temporarily park a coach in storage. Whether it is a few weeks or several months, sporadic out of service times or a full stop, Prevost recommends following the guidelines in this document during times when:

- The coach can be operated on a regular/weekly basis while in storage.
- The coach will be in storage for an extended period of time without any operation.
- The coach will return to service following an extended period of downtime.

The following recommendations are general in nature for all coaches but should be modified to meet each customer requirements as needed.

TABLE OF CONTENT

SUGGESTED MATERIAL.....	2
PROCEDURE	4
PROPER STORAGE FOR OPTIMAL START UP	4
WHEN A COACH CAN BE OPERATED WEEKLY	5
START UP RECOMMENDATIONS.....	5
PARTS / WASTE DISPOSAL.....	14

SUGGESTED MATERIAL

The material listed below may be required to complete the storage and return to service operations described in this document.

Applicable to 2018 model year and newer vehicles

Description	Prevost H3	Prevost X3	Volvo 9700
Emergency Road kit	3200922	3200922	3176488
DEF 2 gallons container	685328	685328	685328
DEF refractometer	88890105	88890105	88890105
DEF pump filter	21516229	21516229	21516229
AGM batteries	21258363	21258363	21258363
Fan drive oil 75W90	680719	680719	ATF Dexron II D ATF Dexron III
Belt	5060134 BX71 506080 5060104 506026 506083 (Remy) 506084 (Remy)	5060134 BX71 506080 5060104 506026 506083 (Remy) 506084 (Remy)	20995830 V-RIBBED 8PK 22424888 BELT 21248896 V-RIBBED
Belt tensioner	450044 a/c 510991 alternator 510991 water pump	450044 a/c 510991 alternator 510991 water pump	21719386 22105565 21479276
Pulley	20582550 water pump small	20582550 water pump small	20524754 water pump 22424879 a/c comp

	22719941 water pump top 450094 a/c comp O12349 alternator	22719941 water pump top 450094 a/c comp O12349 alternator	20523393 alternator
A/C compressor oil	680801	680801	680801
Bitzer A/C compressor Seal	950509	950509	950509
Air dryer desiccant	642123	642123	21620181 filter kit
Wiper blades assy	800284	800284	21338424
Wiper rubber blade only	800383	800383	21661246
Suspension air spring	Front axle 630285 Drive axle 630260 Tag axle 630286	Front axle 630285 Drive axle 630260 Tag axle 630286	Front axle 70397048 Rear axle 21251607 Rear axle 70377052 Tag axle 22445751
Wheel oil seal	621916	621916	20531577
Wheel gasket	621640	621640	1076656
Unitized hubs	Front I-beam axle Up to H-6188 #611471 From H-6189 #611360 Front axle independent Up to H-6203 #611471 From H-6204 #611360 Tag axle w/ ABS tone ring #621816p Tag axle w/o ABS tone ring #621807	Front I-beam axle Up to H-6188 #611471 From H-6189 #611360 Front axle independent Up to H-6203 #611471 From H-6204 #611360 Tag axle w/ ABS tone ring #621816p Tag axle w/o ABS tone ring #621807	Front axle #70376808 Tag axle #21396642
Diesel fuel stabilizer	Use quality stabilizer	Use quality stabilizer	Use quality stabilizer

NOTE

Material can be obtained through regular channels.

PROCEDURE



DANGER

Park vehicle safely, apply parking brake, stop the engine. Prior to working on the vehicle, set the ignition switch to the OFF position and trip the main circuit breakers equipped with a trip button. On Commuter type vehicles, set the battery master switch (master cut-out) to the OFF position.

Lock out & Tag out (LOTO) must be performed during set-up, maintenance or repair activities. Refer to your local procedure for detailed information regarding the control of hazardous energy.

PROPER STORAGE FOR OPTIMAL STARTUP

When a coach is going to be parked or put into storage for an extended period, the following steps are recommended.

1. Change fluids depending on age and condition, check coolant strength with tester. Replace if sediment present.
2. Drain all air tanks and accessory filter.
3. Make sure that the roof escape hatches and emergency exit windows are closed and latched.
4. Thoroughly clean the coach. Apply wax if possible.
5. Install moisture control canisters if needed in humid environments.
6. Plug areas where rodents can get in with steel wool, fiberglass insulation or dryer softener sheets.
7. Inflate all tires to correct air pressure.
8. Add diesel fuel stabilizer in the fuel tank.
9. After parking the unit, before disconnecting all batteries, make sure they are fully charged.
10. Drain the DEF tank if storing longer than six months.
11. Close all drivers and passengers sunshades.
12. Drain the lavatory waste and clean the tanks. Leave dump valve open for ventilation.
13. Make sure that all external doors are closed and latched correctly.

WHEN A COACH CAN BE OPERATED WEEKLY

1. Keep on-board battery charger plugged in or if not possible, trip circuit breakers equipped with a trip button when vehicle is parked.
2. Check the fluid levels.
3. Start the coach for 30 minutes to circulate fluids and charge up the batteries.
4. Turn on the passenger HVAC system, run for 15 minutes in heat mode and then 15 minutes in air conditioning mode. Verify starting temperature and end temperature.
5. Move the unit to circulate transmission fluid, rotate tires, lubricate the wheel seals, and check the brakes.
6. Road test to operating temperature and highway speed if circumstances allow.
7. When parking, try to avoid flat spots on the tire. Make sure the tires will be in a different position.

START UP RECOMMENDATIONS



CAUTION

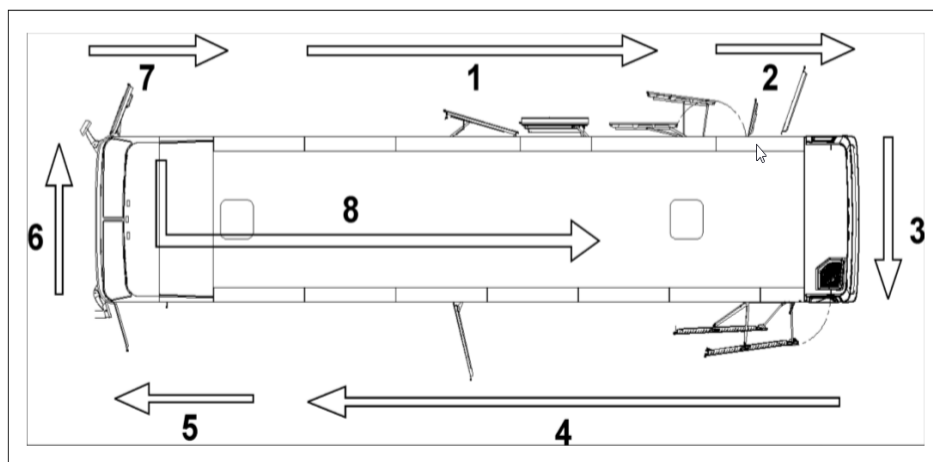
Ensure all proper PPE (Personal Protective Equipment) is worn prior to working on the vehicle.

IMPORTANT NOTE

After a coach has been parked for an extended period, an inspection of the unit is required to make sure all items are intact and in good working order.

If operating a vehicle with biodiesel fuel, sample tank before starting.

Use the following guide to do a walk around inspection prior to start up.



Section #1 - Right Side of Coach		
Item	Inspection Performed	Initials
1	Visually inspect all baggage compartment doors and side windows for issues and condition	
Tech Comments		
Item	Inspection Performed	Initials
2	Open all baggage compartment doors to ensure proper operation and that they are dry inside	
Tech Comments		
Item	Inspection Performed	Initials
3	Open fuel filler access door and condenser compartment door to verify condition	
Tech Comments		
Item	Inspection Performed	Initials
4	Inspect A/C components in this area for signs of leakage	
Tech Comments		
Item	Inspection Performed	Initials
5	Check to make sure the emergency road kit is in place	
Tech Comments		

Section #2 - Battery and Right Side Engine Compartment		
Item	Inspection Performed	Initials
6	Open the battery compartment and inspect for issues and condition	
Tech Comments		
Item	Inspection Performed	Initials
7	Clean all cable lugs and wire terminals as needed	
Tech Comments		
Item	Inspection Performed	Initials
8	Connect new or charged up batteries	
Tech Comments		
Item	Inspection Performed	Initials
9	Check voltage at the equalizer to validate correct connections	
Tech Comments		

Item	Inspection Performed	Initials
10	Visually check the right rear wheels and tires	
Tech Comments		

Section #3 - Engine Compartment

Item	Inspection Performed	Initials
11	Check rear taillights, directional signals, clearance and identification lights for proper operation	

Tech Comments		
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Item	Inspection Performed	Initials
12	Open the rear engine door, make sure door gas springs are okay and the safety latch is in place	

Tech Comments		
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Item	Inspection Performed	Initials
13	Look under the coach and check for oil and coolant leaks	

Tech Comments		
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Item	Inspection Performed	Initials
14	Check the engine oil, coolant, transmission and power steering fluid levels	

Tech Comments		
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Item	Inspection Performed	Initials
15	Check the fan drive gear box oil level if applicable	

Tech Comments		
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Item	Inspection Performed	Initials
16	Inspect all belts for cracks and pulleys for wear	

Tech Comments		
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Item	Inspection Performed	Initials
17	Remove all belts, physically spin all pulleys and idlers, check for squeaks and feel for rough spots	

Tech Comments		
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Item	Inspection Performed	Initials
18	Check the A/C compressor condition. Check oil level. Empty drain tube if applicable	

Tech Comments		
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Item	Inspection Performed	Initials
19	Check the alternators and cables for signs of issues	
Tech Comments		
Item	Inspection Performed	Initials
20	Check the air intake piping for signs of issues	
Tech Comments		
Item	Inspection Performed	Initials
21	Check the fan blade condition	
Tech Comments		

Section #4 - Left Side of Coach		
Item	Inspection Performed	Initials
22	Visually check wheels and tires	
Tech Comments		
Item	Inspection Performed	Initials
23	Open the radiator door and inspect for issues	
Tech Comments		
Item	Inspection Performed	Initials
24	Open DPF/SCR door if applicable and check for issues	
Tech Comments		
Item	Inspection Performed	Initials
25	Open all baggage compartment doors to verify proper operation and that they are dry inside	
Tech Comments		
Item	Inspection Performed	Initials
26	Open the evaporator door. Inspect for coolant leaks and make sure the ducting is in good condition and in place	
Tech Comments		
Item	Inspection Performed	Initials
27	Inspect the blower motor, cables and fans	
Tech Comments		

Section #5 - Front Service and Electrical Compartment		
Item	Inspection Performed	Initials
28	Visually check left front wheel and tire	
Tech Comments		
Item	Inspection Performed	Initials
29	Visually inspect the front junction box condition	
Tech Comments		
Item	Inspection Performed	Initials
30	Visually inspect the front service compartment for issues. Check pull handle for bumper release	
Tech Comments		
Item	Inspection Performed	Initials
31	Check windshield washer fluid level	
Tech Comments		

Section #6 - Front of Coach		
Item	Inspection performed	Initials
32	Check front headlights, directional signals, identification and clearance lights for proper operation	
Tech comments		
Item	Inspection performed	Initials
33	Open the front bumper and check the spare tire inflation and security	
Tech comments		
Item	Inspection performed	Initials
34	Inspect for coolant leaks	
Tech comments		
Item	Inspection performed	Initials
35	Check for light and body damage	
Tech comments		
Item	Inspection performed	Initials
36	Check wiper arms and wiper blades	
Tech comments		

Section #7 - Entrance Door and Right Front of the coach		
Item	Inspection performed	Initials
37	Visually check right front wheel and tire	
Tech comments		
Item	Inspection performed	Initials
38	Visually check the entrance door condition	
Tech comments		
Item	Inspection performed	Initials
39	Check operation of entrance door switches	
Tech comments		
Item	Inspection performed	Initials
40	Check operation of the emergency door release valve	
Tech comments		

Section #8 - Interior of Coach		
Item	Inspection performed	Initials
41	Connect the on-board battery charger to a 120-V AC outlet to perform vehicle tests in this section	
Tech comments		
Item	Inspection performed	Initials
42	Visually inspect interior condition for water entry	
Tech comments		
Item	Inspection performed	Initials
43	Check for signs of rodent activity and droppings	
Tech comments		
Item	Inspection performed	Initials
44	Check operation of every emergency exit windows and roof hatches	
Tech comments		
Item	Inspection performed	Initials
45	Turn on ignition and verify fuel level, DEF level and warning lights	
Tech comments		

Item	Inspection performed	Initials
46	Check for fault codes in the DID (Driver Information Display). Refer to the Operator's Manual for details.	
Tech comments		
Item	Inspection performed	Initials
47	Perform exterior light test in DID under vehicle tests	
Tech comments		
Item	Inspection performed	Initials
48	Perform brake leakage test in DID under vehicle tests	
Tech comments		
Item	Inspection performed	Initials
49	Perform electric motors test in DID under vehicle tests	
Tech comments		
Item	Inspection performed	Initials
50	Start and run the engine at idle speed	
Tech comments		
Item	Inspection performed	Initials
51	Monitor oil pressure and air pressure build up as well as alarms	
Tech comments		
Item	Inspection performed	Initials
52	Check for fluid and air leaks with engine running	
Tech comments		
Item	Inspection performed	Initials
53	Check and adjust exterior mirrors	
Tech comments		
Item	Inspection performed	Initials
54	Check entrance door operation	
Tech comments		
Item	Inspection performed	Initials
55	Check windshield wipers and washers condition and operation	
Tech comments		
Item	Inspection performed	Initials
56	Check interior lighting	
Tech comments		

Item	Inspection performed	Initials
57	Shift transmission into reverse and check back up alarm	
Tech comments		
Item	Inspection performed	Initials
58	Release brakes and move the vehicle to shop	
Tech comments		

Section #9 - Undercarriage of coach		
Item	Inspection performed	Initials
59	Inspect condition of all suspension and steering components	
Tech comments		
Item	Inspection performed	Initials
60	Lubricate all steering linkages	
Tech comments		
Item	Inspection performed	Initials
61	Inspect all brakes and wheel seals	
Tech comments		
Item	Inspection performed	Initials
62	Service air system and replace air dryer if required	
Tech comments		
Item	Inspection performed	Initials
63	Check air springs condition and shocks for leaks	
Tech comments		
Item	Inspection performed	Initials
64	Perform a closer tire inspection	
Tech comments		

Additional Items once the unit has been moved into the shop		
Item	Inspection performed	Initials
65	Check DEF with refractometer, replace if test result isn't good	
Tech comments		
Item	Inspection performed	Initials
66	Pressure test cooling system	
Tech comments		
Item	Inspection performed	Initials
67	Inspect and charge A/C system if needed. Check for proper operation and leaks	
Tech comments		
Item	Inspection performed	Initials
68	Clean or replace the passenger and driver HVAC air filters	
Tech comments		
Item	Inspection performed	Initials
69	Automatic Fire Suppression System. Make sure the control panel light is green and charge the extinguisher bottle if applicable	
Tech comments		
Item	Inspection performed	Initials
70	Check wheelchair lift operation and sliding seat movement if applicable	
Tech comments		
Item	Inspection performed	Initials
71	Run the preheating system if applicable	
Tech comments		
Item	Inspection performed	Initials
72	Road test to check coach operation. Perform a final check for leaks	
Tech comments		

PARTS / WASTE DISPOSAL

Discard according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)

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