



## 20,000 km or 12 months SERVICE SCHEDULE MVR Bus MY 2022 (6HK1 Engine)



- PLEASE NOTE:** 1. This Service Schedule will have preference over the Owner's Manual and Warranty & Service Guide (Refer to updated date).  
 2. Refer to the Warranty and Service Guide for Severe Driving Conditions.  
 3. Consult the Owner/Customer prior to any additional work being carried out as an additional cost will be charged for items not covered under warranty.

Job Card No.: ..... Customer Name: ..... Model : ..... KM Reading: ..... VIN : .....

Service Advisor : ..... Authorisation No: ..... Technician (Print) : ..... Date : .....

I = Inspect, clean, repair or replace / adjust as required or MONTHS, whichever occurs first Labour hrs.	R= Replace A= Adjust T = Tighten to the specified torque C= Clean L= Lubricate								Additional Remarks	SERVICE INTERVAL every KMs (x1000) or MONTHS, whichever occurs first Labour hrs.	Indicate service performed with a ✓								Please Note Additional Remarks
	20	40	60	80	100	120	140	160			20	40	60	80	100	120	140	160	
	12	24	36	48	60	72	84	96			12	24	36	48	60	72	84	96	
3,3	3,6	3,4	3,6	3,3	3,6	3,4	3,6	3,3	3,6	3,4	3,6	3,3	3,6	3,4	3,6				
<b>ENGINE</b>										<b>BRAKE SYSTEM</b>									
Air cleaner element (inner)	I	I	R	I	I	I	R	I		Air dryer cartridge or filter	I	I	I	I	I	I	I		Replace every 200 000 km or 24 months-add 0,5 hrs. Add 0,8 hours to recondition
Air cleaner element (outer)	I	R	I	R	I	R	I	R		Brake pedal stroke and free play	I	I	I	I	I	I	I	I	
Check engine for oil leaks	I	I	I	I	I	I	I	I		Brake pipe & hoses for loose connections / leaks	I	I	I	I	I	I	I	I	
Drive belt tension and pulleys	I	I	I	I	I	I	I	I		Brake shoe lining and drum wear	I	I	I	I	I	I	I	I	
Engine oil	R	R	R	R	R	R	R	R		Drain air tanks	I	I	I	I	I	I	I	I	
Engine oil filter	R	R	R	R	R	R	R	R		Parking brake functionality	I	I	I	I	I	I	I	I	
Pre-fuel filter element (with water separator)	I	R	I	R	I	R	I	R		Function of brake valve (foot valve)	I	I	I	I	I	I	I	I	
Fuel filter	R	R	R	R	R	R	R	R		<b>CLUTCH</b>									
Idling speed and acceleration (GIDSS)	Test	Test	Test	Test	Test	Test	Test	Test		Clutch fluid (manual transmission)	I	I	I	I	I	I	I	I	Replace every 24 Months-add 0,3 hours
Air compressor, governor and unloader functions	I	I	I	I	I	I	I	I		Clutch push rod free play (manual transmission)	A	A	A	A	A	A	A	A	Add 0,1 hours
Air restriction Indicator	I	I	I	I	I	I	I	I		Clutch pedal stroke and free play (manual trans.)	A	A	A	A	A	A	A	A	
Clean and check engine breather	C	C	C	C	C	C	C	C		Clutch system function	I	I	I	I	I	I	I	I	Lubricate grease nipples
Turbocharger to air duct connection and gasket	I	I	I	I	I	I	I	I		<b>DIFFERENTIAL / AXLES</b>									
Coolant system for leaks (pressure test & cap)	I	I	I	I	I	I	I	I		Rear axle differential gear oil	I	I	I	R	I	I	I	R	Add 0,25 hours
Engine coolant level check & test (50% Glycol)	I	I	I	I	I	I	I	I	Repl. every 24 months-add 0,5 hours	Clean and inspect diff breather	C	C	C	C	C	C	C	C	
Engine water pump bearing	L	L	L	L	L	L	L	L		King pin	L/I	L/I	L/I	L/I	L/I	L/I	L/I	L/I	
Fan cowling rubber and radiator damage	I	I	I	I	I	I	I	I		<b>WHEELS &amp; TYRES</b>									
Radiator core for blockage	I	I	I	I	I	I	I	I		Tyre pressures	I	I	I	I	I	I	I	I	Record out of line items
<b>EXHAUST</b>										Wheel rims for damage	I	I	I	I	I	I	I	I	
Check exhaust pipes, mountings, clamp, muffler	I	I	I	I	I	I	I	I		Front and rear wheel hub bearing grease & seal	I	I	I	R	I	I	I	R	Add 3,0hrs for 4x2
Check exhaust system condition and mountings	I	I	I	I	I	I	I	I		Wheel nuts and bolts	T/I	T/I	T/I	T/I	T/I	T/I	T/I	T/I	
Intake and exhaust manifolds	I	I	I	I	I	I	I	I		Loose front and rear wheel hub bearings	I	I	I	I	I	I	I	I	
<b>RETARDER (If equipped)</b>										Tyre condition - visual inspection	I	I	I	I	I	I	I	I	
Permanent magnet type retarder	I	I	I	I	I	I	I	I		<b>CAB</b>									
<b>CAB</b>										Bus mounting	I	I	I	I	I	I	I	I	
Door straps / hinges	L	L	L	L	L	L	L	L											



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Service Advisor : ..... Authorisation No: ..... Technician (Print) : ..... Date : .....

I= Inspect, clean, repair or replace / adjust as required	R= Replace A= Adjust T=Tighten to the specified torque C= Clean								L= Lubricate	Indicate service performed with a ✓								Please Note Additional Remarks	
SERVICE INTERVAL every KMs (x1000) or MONTHS, whichever occurs first	20	40	60	80	100	120	140	160	Additional Remarks	SERVICE INTERVAL every KMs (x1000) or MONTHS, whichever occurs first	20	40	60	80	100	120	140	160	Additional Remarks
Labour hrs.	3,3	3,6	3,4	3,6	3,3	3,6	3,4	3,6		Labour hrs.	3,3	3,6	3,4	3,6	3,3	3,6	3,4	3,6	
<b>TRANSMISSION</b>										<b>FUEL</b>									
Gear control cable & mechanism	I	I	I	I	I	I	I	I	Drain water trap and clean	C	C	C	C	C	C	C	C	C	
Eaton transmission oil	Replace every 300 000 km or 24 months								Add 0,25 hours for replacement.	Fuel tank cap & fuel pipes / lines for loose connections or damage	I	I	I	I	I	I	I	I	
Check transmission for leaks	I	I	I	I	I	I	I	I	Clean and check transmission breather	C	C	C	C	C	C	C	C	C	
<b>ALLISON AUTOMATIC TRANSMISSION (If equipped)</b>									<b>STEERING</b>										
If prognostics is activated, the filter & oil must be replaced according to the transmission service indicator. If prognostics is not activated, refer table below (service interval based on vehicle application)									Add 0,3 hours for filter repl. / Add 0,3 hours for oil repl.	Fitting of knuckles and front axle for looseness	I	I	I	I	I	I	I	I	
Medium haul - distribution, general purpose	Replace filter every 40,000 km/repl. oil:every 120,000km								Add 0,3 hrs for filter/Add 0,3 hrs for oil	King pin	L	L	L	L	L	L	L	L	
Long haul - all normal duty	Replace filter every 60,000 km/repl. oil:every 200,000km								Add 0,3 hrs for filter/Add 0,3 hrs for oil	Power steering fluid	I	I	I	I	I	I	I	I	R Replace every 160,000km-add 0,5 hrs
<b>ELECTRICAL</b>									<b>FRONT SUSPENSION</b>										
Check function of reverse buzzer	I	I	I	I	I	I	I	I	Steering function	I	I	I	I	I	I	I	I		
Battery terminals	I/C	I/C	I/C	I/C	I/C	I/C	I/C	I/C	Steering wheel free play	I	I	I	I	I	I	I	I		
Damage/loose connection of harness terminals	I	I	I	I	I	I	I	I	Ball stud, tie rod end & drag link of strg link arm	I	I	I	I	I	I	I	I		
Diagnostic test with GIDSS	Test	Test	Test	Test	Test	Test	Test	Test	Steering shaft universal joint and sliding sleeve	I	I	I	I	I	I	I	I		
Function of alternator	I	I	I	I	I	I	I	I	Grease all grease nipples	L	L	L	L	L	L	L	L		
Function of starter motor	I	I	I	I	I	I	I	I	Power steering filter	I	I	I	I	R	I	I	I	R	
Interior dome light	I	I	I	I	I	I	I	I	<b>UNDER CARRIAGE</b>										
Lights, horn, windshield, wiper and washer	I	I	I	I	I	I	I	I	Check for excessive play in propeller shaft joints / connections	I	I	I	I	I	I	I	I		
Specific gravity of battery fluid and level	I	I	I	I	I	I	I	I	Propeller shaft bearing, sliding & universal joints	L	L	L	L	L	L	L	L		
<b>REAR SUSPENSION</b>									Suspension mountings for looseness or damage										
Air leaks from air suspension	I	I	I	I	I	I	I	I	Clean and grease all grease nipples	L	L	L	L	L	L	L	L		
Bolts and nuts on chassis and body	T/I	T/I	T/I	T/I	T/I	T/I	T/I	T/I											
Trailer coupler (if equipped)	I	I	I	I	I	I	I	I											
Function of leveling valves	I	I	I	I	I	I	I	I											
Loose or damaged leaf spring u-bolts	I/T	I/T	I/T	I/T	I/T	I/T	I/T	I/T											
Loose shock absorber mounting and leakage	I	I	I	I	I	I	I	I											
Rr spr. shackle pins or rr spr.sliding shackles	I/L	I/L	I/L	I/L	I/L	I/L	I/L	I/L											
Trunnion shaft (If equipped)	L	L	L	L	L	L	L	L											



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MVR Bus MY 2022 (6HK1 Engine)**



Job Card No.: ..... Customer Name: ..... Model : ..... KM Reading: ..... VIN : .....  
 Service Advisor : ..... Authorisation No: ..... Technician (Print) : ..... Date : .....

Dealer Stamp

Torque for wheels.....6 Bolt = 450 - 500 Nm  
 Torque for wheels.....8 Bolt = 550 - 600 Nm  
 Torque for wheels.....10 Bolt = 500 - 550 Nm  
 Oil Specifications..... Refer to Lube Chart

TECHNICIAN NOTES AND TROUBLE CODE

Test drive vehicle :

Start km \_\_\_\_\_

End km: \_\_\_\_\_

Technician Name: \_\_\_\_\_

Technician Signature: \_\_\_\_\_

Workshop Foreman Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Customer Signature: \_\_\_\_\_

**ADDITIONAL NOTES:**

1. Road Test Vehicle - Minimum 10 km : Test exhaust brake, check for vibration, warning buzzers, operation of all gauges, test brakes, clutch operation, excessive engine smoke, fluid leaks, clean vehicle thoroughly and report findings.
2. Attach one copy of service schedule to Customer's Invoice.
3. Attach one copy of service schedule to Job Card.

Updated  
 April 2024  
 Document No:  
 MVR Bus / 20



## 20,000 km or 12 months SERVICE SCHEDULE MVR Bus MY 2022 (6HK1 Engine)



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**Service Advisor :** ..... **Authorisation No.:** ..... **Technician (Print) :** ..... **Date :** .....

I = Inspect, clean, repair or replace / adjust as required or MONTHS, whichever occurs first Labour hrs.	SERVICE INTERVAL every KMs (x1000)								Additional Remarks	C= Clean L= Lubricate	SERVICE INTERVAL every KMs (x1000) or MONTHS, whichever occurs first Labour hrs.	Indicate service performed with a ✓								Please Note Additional Remarks
	180	200	220	240	260	280	300	320				180	200	220	240	260	280	300	320	
	108	120	132	144	156	168	180	192				3,3	3,6	3,4	3,6	3,3	3,6	3,4	3,6	
<b>ENGINE</b>										<b>BRAKE SYSTEM</b>										
Air cleaner element (inner)	I	I	R	I	I	I	R	I		Air dryer cartridge or filter	I	I	I	I	I	I	I		Replace every 200 000 km or 24 months-add 0,5 hrs. Add 0,8 hours to recondition	
Air cleaner element (outer)	I	R	I	R	I	R	I	R		Brake pedal stroke and free play	I	I	I	I	I	I	I			
Check engine for oil leaks	I	I	I	I	I	I	I	I		Brake pipe & hoses for loose connections / leaks	I	I	I	I	I	I	I			
Drive belt tension and pulleys	I	I	I	I	I	I	I	I		Brake shoe lining and drum wear	I	I	I	I	I	I	I			
Engine oil	R	R	R	R	R	R	R	R		Drain air tanks	I	I	I	I	I	I	I			
Engine oil filter	R	R	R	R	R	R	R	R		Parking brake functionality	I	I	I	I	I	I	I			
Pre-fuel filter element (with water separator)	I	R	I	R	I	R	I	R		Function of brake valve (foot valve)	I	I	I	I	I	I	I			
Fuel filter	R	R	R	R	R	R	R	R		<b>CLUTCH</b>										
Idling speed and acceleration (GIDSS)	Test	Test	Test	Test	Test	Test	Test	Test		Clutch fluid (manual transmission)	I	I	I	I	I	I	I		Replace every 24 Months-add 0,3 hours	
Air compressor, governor and unloader functions	I	I	I	I	I	I	I	I		Clutch push rod free play (manual transmission)	A	A	A	A	A	A	A		Add 0,1 hours	
Air restriction Indicator	I	I	I	I	I	I	I	I		Clutch pedal stroke and free play (manual trans.)	A	A	A	A	A	A	A			
Clean and check engine breather	C	C	C	C	C	C	C	C		Clutch system function	I	I	I	I	I	I	I		Lubricate grease nipples	
Turbocharger to air duct connection and gasket	I	I	I	I	I	I	I	I		<b>DIFFERENTIAL / AXLES</b>										
<b>COOLING</b>										Rear axle differential gear oil	I	I	I	R	I	I	I	R	Add 0,25 hours	
Coolant system for leaks (pressure test & cap)	I	I	I	I	I	I	I	I		Clean and inspect diff breather	C	C	C	C	C	C	C			
Engine coolant level check & test (50% Glycol)	I	I	I	I	I	I	I	I	Repl. every 24 months-add 0,5 hours	King pin	L/I	L/I	L/I	L/I	L/I	L/I	L/I			
Engine water pump bearing	L	L	L	L	L	L	L	L		<b>WHEELS &amp; TYRES</b>										
Fan cowling rubber and radiator damage	I	I	I	I	I	I	I	I		Tyre pressures	I	I	I	I	I	I	I		Record out of line items	
Radiator core for blockage	I	I	I	I	I	I	I	I		Wheel rims for damage	I	I	I	I	I	I	I			
<b>EXHAUST</b>										Front and rear wheel hub bearing grease & seal	I	I	I	R	I	I	I	R	Add 3,0hrs for 4x2	
Check exhaust pipes, mountings, clamp, muffler	I	I	I	I	I	I	I	I		Wheel nuts and bolts	T/I	T/I	T/I	T/I	T/I	T/I	T/I			
Check exhaust system condition and mountings	I	I	I	I	I	I	I	I		Loose front and rear wheel hub bearings	I	I	I	I	I	I	I			
Intake and exhaust manifolds	I	I	I	I	I	I	I	I		Tyre condition - visual inspection	I	I	I	I	I	I	I			
<b>RETARDER (If equipped)</b>																				
Permanent magnet type retarder	I	I	I	I	I	I	I	I												
<b>CAB</b>																				
Bus mounting	I	I	I	I	I	I	I	I												
Door straps / hinges	L	L	L	L	L	L	L	L												



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SERVICE INTERVAL every KMs (x1000) or MONTHS, whichever occurs first	180	200	220	240	260	280	300	320	Additional Remarks	SERVICE INTERVAL every KMs (x1000) or MONTHS, whichever occurs first	180	200	220	240	260	280	300	320	Additional Remarks										
Labour hrs.	3,3	3,6	3,4	3,6	3,3	3,6	3,4	3,6		Labour hrs.	3,3	3,6	3,4	3,6	3,3	3,6	3,4	3,6											
<b>TRANSMISSION</b>										<b>FUEL</b>																			
Gear control cable & mechanism	I	I	I	I	I	I	I	I	I	Drain water trap and clean	C	C	C	C	C	C	C	C	C										
Eaton transmission oil	Replace every 300 000 km or 24 months								Add 0,25 hours for replacement.	Fuel tank cap & fuel pipes / lines for loose connections or damage	I	I	I	I	I	I	I	I	I										
Check transmission for leaks	I	I	I	I	I	I	I	I	I	Clean and check transmission breather	C	C	C	C	C	C	C	C	C										
<b>ALLISON AUTOMATIC TRANSMISSION (If equipped)</b>																													
If prognostics is activated, the filter & oil must be replaced according to the transmission service indicator. If prognostics is not activated, refer table below (service interval based on vehicle application)										Add 0,3 hours for filter repl. / Add 0,3 hours for oil repl.																			
Medium haul - distribution, general purpose										Replace filter every 40,000 km/repl. oil:every 120,000km										Add 0,3 hrs for filter/Add 0,3 hrs for oil									
Long haul - all normal duty										Replace filter every 60,000 km/repl. oil:every 200,000km										Add 0,3 hrs for filter/Add 0,3 hrs for oil									
<b>ELECTRICAL</b>										<b>STEERING</b>																			
Check function of reverse buzzer	I	I	I	I	I	I	I	I	I	Fitting of knuckles and front axle for looseness	I	I	I	I	I	I	I	I	I										
Battery terminals	I/C	I/C	I/C	I/C	I/C	I/C	I/C	I/C	I/C	Ball stud, tie rod end & drag link of strg link arm	I	I	I	I	I	I	I	I	I										
Damage/loose connection of harness terminals	I	I	I	I	I	I	I	I	I	Steering shaft universal joint and sliding sleeve	I	I	I	I	I	I	I	I	I										
Diagnostic test with GIDSS	Test	Test	Test	Test	Test	Test	Test	Test	Test	Grease all grease nipples	L	L	L	L	L	L	L	L	L										
Function of alternator	I	I	I	I	I	I	I	I	I	Power steering filter	I	I	I	R	I	I	I	R	I										
Function of starter motor	I	I	I	I	I	I	I	I	I	<b>FRONT SUSPENSION</b>																			
Interior dome light	I	I	I	I	I	I	I	I	I	Check for damage on front axle	I	I	I	I	I	I	I	I	I										
Lights, horn, windshield, wiper and washer	I	I	I	I	I	I	I	I	I	Front spring pins and shackles	I	I	I	I	I	I	I	I	I										
Specific gravity of battery fluid and level	I	I	I	I	I	I	I	I	I	Check front suspension and mountings for looseness or damage	I	I	I	I	I	I	I	I	I										
<b>REAR SUSPENSION</b>										<b>UNDER CARRIAGE</b>																			
Air leaks from air suspension	I	I	I	I	I	I	I	I	I	Knuckle-to-front axle clearance	I	I	I	I	I	I	I	I	I										
Bolts and nuts on chassis and body	T/I	T/I	T/I	T/I	T/I	T/I	T/I	T/I	T/I	Leaf spring damage	I	I	I	I	I	I	I	I	I										
Trailer coupler (if equipped)	I	I	I	I	I	I	I	I	I	Leaf spring u-bolts	T	T	T	T	T	T	T	T	T										
Function of leveling valves	I	I	I	I	I	I	I	I	I	Shock absorber mountings and leakage	I	I	I	I	I	I	I	I	I										
Loose or damaged leaf spring u-bolts	I/T	I/T	I/T	I/T	I/T	I/T	I/T	I/T	I/T	<b>UNDER CARRIAGE</b>																			
Loose shock absorber mounting and leakage	I	I	I	I	I	I	I	I	I	Check for excessive play in propeller shaft joints / connections	I	I	I	I	I	I	I	I	I										
Rr spr. shackle pins or rr spr.sliding shackles	I/L	I/L	I/L	I/L	I/L	I/L	I/L	I/L	I/L	Propeller shaft bearing, sliding & universal joints	L	L	L	L	L	L	L	L	L										
	L	L	L	L	L	L	L	L	L	Suspension mountings for looseness or damage	I	I	I	I	I	I	I	I	I										
										Clean and grease all grease nipples	L	L	L	L	L	L	L	L	L										



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Dealer Stamp

Torque for wheels.....6 Bolt = 450 - 500 Nm  
 Torque for wheels.....8 Bolt = 550 - 600 Nm  
 Torque for wheels.....10 Bolt = 500 - 550 Nm  
 Oil Specifications..... Refer to Lube Chart

TECHNICIAN NOTES AND TROUBLE CODE

Test drive vehicle :  
 Start km \_\_\_\_\_  
 End km: \_\_\_\_\_  
 Technician Name: \_\_\_\_\_  
 Technician Signature: \_\_\_\_\_  
 Workshop Foreman Signature: \_\_\_\_\_

Customer Signature: \_\_\_\_\_ Date: \_\_\_\_\_

- ADDITIONAL NOTES:**
- Road Test Vehicle - Minimum 10 km : Test exhaust brake, check for vibration, warning buzzers, operation of all gauges, test brakes, clutch operation, excessive engine smoke, fluid leaks, clean vehicle thoroughly and report findings.
  - Attach one copy of service schedule to Customer's Invoice.
  - Attach one copy of service schedule to Job Card.

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	R= Replace	A= Adjust	T = Tighten to the specified torque	C= Clean	L= Lubricate	340	360	380			400	420	440	460	480	Additional Remarks			
	204	216	228	240	252	264	276	288			204	216	228	240	252		264	276	
	3,3	3,6	3,4	3,6	3,3	3,6	3,4	3,6		3,3	3,6	3,4	3,6	3,3	3,6	3,4	3,6		
<b>ENGINE</b>										<b>BRAKE SYSTEM</b>									
Air cleaner element (inner)	I	I	R	I	I	I	R	I		Air dryer cartridge or filter	I	I	I	I	I	I	I	Replace every 200 000 km or 24 months-add 0,5 hrs. Add 0,8 hours to recondition	
Air cleaner element (outer)	I	R	I	R	I	R	I	R		Brake pedal stroke and free play	I	I	I	I	I	I	I		
Check engine for oil leaks	I	I	I	I	I	I	I	I		Brake pipe & hoses for loose connections / leaks	I	I	I	I	I	I	I		
Drive belt tension and pulleys	I	I	I	I	I	I	I	I		Brake shoe lining and drum wear	I	I	I	I	I	I	I		
Engine oil	R	R	R	R	R	R	R	R		Drain air tanks	I	I	I	I	I	I	I		
Engine oil filter	R	R	R	R	R	R	R	R		Parking brake functionality	I	I	I	I	I	I	I		
Pre-fuel filter element (with water separator)	I	R	I	R	I	R	I	R		Function of brake valve (foot valve)	I	I	I	I	I	I	I		
Fuel filter	R	R	R	R	R	R	R	R											
Idling speed and acceleration (GIDSS)	Test	Test	Test	Test	Test	Test	Test	Test		<b>CLUTCH</b>									
Air compressor, governor and unloader functions	I	I	I	I	I	I	I	I		Clutch fluid (manual transmission)	I	I	I	I	I	I	I	Replace every 24 Months-add 0,3 hours	
Air restriction Indicator	I	I	I	I	I	I	I	I		Clutch push rod free play (manual transmission)	A	A	A	A	A	A	A	Add 0,1 hours	
Clean and check engine breather	C	C	C	C	C	C	C	C		Clutch pedal stroke and free play (manual trans.)	A	A	A	A	A	A	A		
Turbocharger to air duct connection and gasket	I	I	I	I	I	I	I	I		Clutch system function	I	I	I	I	I	I	I	Lubricate grease nipples	
<b>COOLING</b>										<b>DIFFERENTIAL / AXLES</b>									
Coolant system for leaks (pressure test & cap)	I	I	I	I	I	I	I	I		Rear axle differential gear oil	I	I	I	R	I	I	I	R	Add 0,25 hours
Engine coolant level check & test (50% Glycol)	I	I	I	I	I	I	I	I	Repl. every 24 months-add 0,5 hours	Clean and inspect diff breather	C	C	C	C	C	C	C		
Engine water pump bearing	L	L	L	L	L	L	L	L		King pin	L/I	L/I	L/I	L/I	L/I	L/I	L/I		
Fan cowling rubber and radiator damage	I	I	I	I	I	I	I	I		<b>WHEELS &amp; TYRES</b>									
Radiator core for blockage	I	I	I	I	I	I	I	I		Tyre pressures	I	I	I	I	I	I	I	Record out of line items	
<b>EXHAUST</b>										Wheel rims for damage									
Check exhaust pipes, mountings, clamp, muffler	I	I	I	I	I	I	I	I		Front and rear wheel hub bearing grease & seal	I	I	I	R	I	I	I	R	Add 3,0hrs for 4x2
Check exhaust system condition and mountings	I	I	I	I	I	I	I	I		Wheel nuts and bolts	T/I	T/I	T/I	T/I	T/I	T/I	T/I		
Intake and exhaust manifolds	I	I	I	I	I	I	I	I		Loose front and rear wheel hub bearings	I	I	I	I	I	I	I		
<b>RETARDER (If equipped)</b>										Tyre condition - visual inspection									
Permanent magnet type retarder	I	I	I	I	I	I	I	I											
<b>CAB</b>																			
Bus mounting	I	I	I	I	I	I	I	I											
Door straps / hinges	L	L	L	L	L	L	L	L											



## 20,000 km or 12 months SERVICE SCHEDULE MVR Bus MY 2022 (6HK1 Engine)



Job Card No.: ..... Customer Name: ..... Model : ..... KM Reading: ..... VIN : .....

Service Advisor : ..... Authorisation No: ..... Technician (Print) : ..... Date : .....

I= Inspect, clean, repair or replace / adjust as required	R= Replace A= Adjust T=Tighten to the specified torque C= Clean								Additional Remarks	L= Lubricate	Indicate service performed with a ✓								Please Note Additional Remarks
	SERVICE INTERVAL every KMs (x1000)										SERVICE INTERVAL every KMs (x1000)								
	340	360	380	400	420	440	460	480			340	360	380	400	420	440	460	480	
or MONTHS, whichever occurs first	204	216	228	240	252	264	276	288	or MONTHS, whichever occurs first	204	216	228	240	252	264	276	288		
Labour hrs.	3,3	3,6	3,4	3,6	3,3	3,6	3,4	3,6	Labour hrs.	3,3	3,6	3,4	3,6	3,3	3,6	3,4	3,6		
<b>TRANSMISSION</b>										<b>FUEL</b>									
Gear control cable & mechanism	I	I	I	I	I	I	I	I	I	Drain water trap and clean	C	C	C	C	C	C	C	C	
Eaton transmission oil	Replace every 300 000 km or 24 months								Add 0,25 hours for replacement.	Fuel tank cap & fuel pipes / lines for loose connections or damage	I	I	I	I	I	I	I	I	
Check transmission for leaks	I	I	I	I	I	I	I	I	I	Fuel injection pump strainer	I	I	I	I	I	I	I	I	
Clean and check transmission breather	C	C	C	C	C	C	C	C	C										
<b>ALLISON AUTOMATIC TRANSMISSION (If equipped)</b>																			
If prognostics is activated, the filter & oil must be replaced according to the transmission service indicator. If prognostics is not activated, refer table below (service interval based on vehicle application)										Add 0,3 hours for filter repl. / Add 0,3 hours for oil repl.									
Medium haul - distribution, general purpose	Replace filter every 40,000 km/repl. oil:every 120,000km								Add 0,3 hrs for filter/Add 0,3 hrs for oil										
Long haul - all normal duty	Replace filter every 60,000 km/repl. oil:every 200,000km								Add 0,3 hrs for filter/Add 0,3 hrs for oil										
<b>ELECTRICAL</b>										<b>STEERING</b>									
Check function of reverse buzzer	I	I	I	I	I	I	I	I	I	Fitting of knuckles and front axle for looseness	I	I	I	I	I	I	I	I	
Battery terminals	I/C	I/C	I/C	I/C	I/C	I/C	I/C	I/C	I/C	Ball stud, tie rod end & drag link of strg link arm	I	I	I	I	I	I	I	I	
Damage/loose connection of harness terminals	I	I	I	I	I	I	I	I	I	Steering shaft universal joint and sliding sleeve	I	I	I	I	I	I	I	I	
Diagnostic test with GIDSS	Test	Test	Test	Test	Test	Test	Test	Test	Test	Grease all grease nipples	L	L	L	L	L	L	L	L	
Function of alternator	I	I	I	I	I	I	I	I	I	Power steering filter	I	I	I	R	I	I	I	R	
Function of starter motor	I	I	I	I	I	I	I	I	I	<b>FRONT SUSPENSION</b>									
Interior dome light	I	I	I	I	I	I	I	I	I	Check for damage on front axle	I	I	I	I	I	I	I	I	
Lights, horn, windshield, wiper and washer	I	I	I	I	I	I	I	I	I	Front spring pins and shackles	I	I	I	I	I	I	I	I	
Specific gravity of battery fluid and level	I	I	I	I	I	I	I	I	I	Check front suspension and mountings for looseness or damage	I	I	I	I	I	I	I	I	
<b>REAR SUSPENSION</b>										<b>UNDER CARRIAGE</b>									
Air leaks from air suspension	I	I	I	I	I	I	I	I	I	Knuckle-to-front axle clearance	I	I	I	I	I	I	I	I	
Bolts and nuts on chassis and body	T/I	T/I	T/I	T/I	T/I	T/I	T/I	T/I	T/I	Leaf spring damage	I	I	I	I	I	I	I	I	
Trailer coupler (if equipped)	I	I	I	I	I	I	I	I	I	Leaf spring u-bolts	T	T	T	T	T	T	T	T	
Function of leveling valves	I	I	I	I	I	I	I	I	I	Shock absorber mountings and leakage	I	I	I	I	I	I	I	I	
Loose or damaged leaf spring u-bolts	I/T	I/T	I/T	I/T	I/T	I/T	I/T	I/T	I/T	<b>UNDER CARRIAGE</b>									
Loose shock absorber mounting and leakage	I	I	I	I	I	I	I	I	I	Check for excessive play in propeller shaft joints / connections	I	I	I	I	I	I	I	I	
Rr spr. shackle pins or rr spr.sliding shackles	I/L	I/L	I/L	I/L	I/L	I/L	I/L	I/L	I/L	Propeller shaft bearing, sliding & universal joints	L	L	L	L	L	L	L	L	
	L	L	L	L	L	L	L	L	L	Suspension mountings for looseness or damage	I	I	I	I	I	I	I	I	
										Clean and grease all grease nipples	L	L	L	L	L	L	L	L	





**20,000 km or 12 months SERVICE SCHEDULE  
MVR Bus MY 2022 (6HK1 Engine)**



Job Card No.: ..... Customer Name: ..... Model : ..... KM Reading: ..... VIN : .....  
 Service Advisor : ..... Authorisation No: ..... Technician (Print) : ..... Date : .....

Dealer Stamp

Torque for wheels.....6 Bolt = 450 - 500 Nm  
 Torque for wheels.....8 Bolt = 550 - 600 Nm  
 Torque for wheels.....10 Bolt = 500 - 550 Nm  
 Oil Specifications..... Refer to Lube Chart

TECHNICIAN NOTES AND TROUBLE CODE

Test drive vehicle :  
 Start km \_\_\_\_\_  
 End km: \_\_\_\_\_  
 Technician Name: \_\_\_\_\_  
 Technician Signature: \_\_\_\_\_  
 Workshop Foreman Signature: \_\_\_\_\_

Customer Signature: \_\_\_\_\_ Date: \_\_\_\_\_

- ADDITIONAL NOTES:**
- Road Test Vehicle - Minimum 10 km : Test exhaust brake, check for vibration, warning buzzers, operation of all gauges, test brakes, clutch operation, excessive engine smoke, fluid leaks, clean vehicle thoroughly and report findings.
  - Attach one copy of service schedule to Customer's Invoice.
  - Attach one copy of service schedule to Job Card.

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 April 2024  
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 MVR Bus / 20



## 20,000 km or 12 months SERVICE SCHEDULE MVR Bus MY 2022 (6HK1 Engine)



- PLEASE NOTE:** 1. This Service Schedule will have preference over the Owner's Manual and Warranty & Service Guide (Refer to updated date).  
 2. Refer to the Warranty and Service Guide for Severe Driving Conditions.  
 3. Consult the Owner/Customer prior to any additional work being carried out as an additional cost will be charged for items not covered under warranty.

**Job Card No.:** ..... **Customer Name:** ..... **Model:** ..... **KM Reading:** ..... **VIN:** .....  
**Service Advisor:** ..... **Authorisation No.:** ..... **Technician (Print):** ..... **Date:** .....

I = Inspect, clean, repair or replace / adjust as required or MONTHS, whichever occurs first Labour hrs.	SERVICE INTERVAL every KMs (x1000)								Additional Remarks	SERVICE INTERVAL every KMs (x1000) or MONTHS, whichever occurs first Labour hrs.	Indicate service performed with a ✓								Please Note Additional Remarks	
	500	520	540	560	580	600	620	640			500	520	540	560	580	600	620	640		
	300	312	324	336	348	360	372	384			300	312	324	336	348	360	372	384		
	3,3	3,6	3,4	3,6	3,3	3,6	3,4	3,6		3,3	3,6	3,4	3,6	3,3	3,6	3,4	3,6			
<b>ENGINE</b>										<b>BRAKE SYSTEM</b>										
Air cleaner element (inner)	I	I	R	I	I	I	R	I		Air dryer cartridge or filter	I	I	I	I	I	I	I	I		Replace every 200 000 km or 24 months-add 0,5 hrs. Add 0,8 hours to recondition
Air cleaner element (outer)	I	R	I	R	I	R	I	R		Brake pedal stroke and free play	I	I	I	I	I	I	I	I		
Check engine for oil leaks	I	I	I	I	I	I	I	I		Brake pipe & hoses for loose connections / leaks	I	I	I	I	I	I	I	I		
Drive belt tension and pulleys	I	I	I	I	I	I	I	I		Brake shoe lining and drum wear	I	I	I	I	I	I	I	I		
Engine oil	R	R	R	R	R	R	R	R		Drain air tanks	I	I	I	I	I	I	I	I		
Engine oil filter	R	R	R	R	R	R	R	R		Parking brake functionality	I	I	I	I	I	I	I	I		
Pre-fuel filter element (with water separator)	I	R	I	R	I	R	I	R		Function of brake valve (foot valve)	I	I	I	I	I	I	I	I		
Fuel filter	R	R	R	R	R	R	R	R		<b>CLUTCH</b>										
Idling speed and acceleration (GIDSS)	Test	Test	Test	Test	Test	Test	Test	Test		Clutch fluid (manual transmission)	I	I	I	I	I	I	I	I		Replace every 24 Months-add 0,3 hours
Air compressor, governor and unloader functions	I	I	I	I	I	I	I	I		Clutch push rod free play (manual transmission)	A	A	A	A	A	A	A	A		Add 0,1 hours
Air restriction Indicator	I	I	I	I	I	I	I	I		Clutch pedal stroke and free play (manual trans.)	A	A	A	A	A	A	A	A		
Clean and check engine breather	C	C	C	C	C	C	C	C		Clutch system function	I	I	I	I	I	I	I	I		Lubricate grease nipples
Turbocharger to air duct connection and gasket	I	I	I	I	I	I	I	I		<b>DIFFERENTIAL / AXLES</b>										
<b>COOLING</b>										Rear axle differential gear oil	I	I	I	R	I	I	I	R		Add 0,25 hours
Coolant system for leaks (pressure test & cap)	I	I	I	I	I	I	I	I		Clean and inspect diff breather	C	C	C	C	C	C	C	C		
Engine coolant level check & test (50% Glycol)	I	I	I	I	I	I	I	I	Repl. every 24 months-add 0,5 hours	King pin	L/I	L/I	L/I	L/I	L/I	L/I	L/I	L/I		
Engine water pump bearing	L	L	L	L	L	L	L	L		<b>WHEELS &amp; TYRES</b>										
Fan cowling rubber and radiator damage	I	I	I	I	I	I	I	I		Tyre pressures	I	I	I	I	I	I	I	I		Record out of line items
Radiator core for blockage	I	I	I	I	I	I	I	I		Wheel rims for damage	I	I	I	I	I	I	I	I		
<b>EXHAUST</b>										Front and rear wheel hub bearing grease & seal	I	I	I	R	I	I	I	R		Add 3,0hrs for 4x2
Check exhaust pipes, mountings, clamp, muffler	I	I	I	I	I	I	I	I		Wheel nuts and bolts	T/I	T/I	T/I	T/I	T/I	T/I	T/I	T/I		
Check exhaust system condition and mountings	I	I	I	I	I	I	I	I		Loose front and rear wheel hub bearings	I	I	I	I	I	I	I	I		
Intake and exhaust manifolds	I	I	I	I	I	I	I	I		Tyre condition - visual inspection	I	I	I	I	I	I	I	I		
<b>RETARDER (If equipped)</b>																				
Permanent magnet type retarder	I	I	I	I	I	I	I	I												
<b>CAB</b>																				
Bus mounting	I	I	I	I	I	I	I	I												
Door straps / hinges	L	L	L	L	L	L	L	L												



## 20,000 km or 12 months SERVICE SCHEDULE MVR Bus MY 2022 (6HK1 Engine)



Job Card No.: ..... Customer Name: ..... Model : ..... KM Reading: ..... VIN : .....

Service Advisor : ..... Authorisation No: ..... Technician (Print) : ..... Date : .....

I= Inspect, clean, repair or replace / adjust as required	R= Replace	A= Adjust	T = Tighten to the specified torque	C= Clean	L= Lubricate	Indicate service performed with a ✓								Please Note Additional Remarks						
SERVICE INTERVAL every KMs (x1000) or MONTHS, whichever occurs first	500	520	540	560	580	600	620	640	Additional Remarks	SERVICE INTERVAL every KMs (x1000) or MONTHS, whichever occurs first	500	520	540	560	580	600	620	640	Additional Remarks	
Labour hrs.	3,3	3,6	3,4	3,6	3,3	3,6	3,4	3,6		Labour hrs.	3,3	3,6	3,4	3,6	3,3	3,6	3,4	3,6		
<b>TRANSMISSION</b>										<b>FUEL</b>										
Gear control cable & mechanism	I	I	I	I	I	I	I	I	I	Drain water trap and clean	C	C	C	C	C	C	C	C	C	
Eaton transmission oil	Replace every 300 000 km or 24 months								Add 0,25 hours for replacement.	Fuel tank cap & fuel pipes / lines for loose connections or damage	I	I	I	I	I	I	I	I		
Check transmission for leaks	I	I	I	I	I	I	I	I	I	Fuel injection pump strainer	I	I	I	I	I	I	I	I		
Clean and check transmission breather	C	C	C	C	C	C	C	C	C											
<b>ALLISON AUTOMATIC TRANSMISSION (If equipped)</b>																				
If prognostics is activated, the filter & oil must be replaced according to the transmission service indicator.										Add 0,3 hours for filter repl. / Add 0,3 hours for oil repl.										
If prognostics is not activated, refer table below (service interval based on vehicle application)																				
Medium haul - distribution, general purpose	Replace filter every 40,000 km/repl. oil:every 120,000k								Add 0,3 hrs for filter/Add 0,3 hrs for oil											
Long haul - all normal duty	Replace filter every 60,000 km/repl. oil:every 200,000k								Add 0,3 hrs for filter/Add 0,3 hrs for oil											
<b>ELECTRICAL</b>										<b>STEERING</b>										
Check function of reverse buzzer	I	I	I	I	I	I	I	I	I	Fitting of knuckles and front axle for looseness	I	I	I	I	I	I	I	I		
Battery terminals	I/C	I/C	I/C	I/C	I/C	I/C	I/C	I/C	I/C	Ball stud, tie rod end & drag link of strg link arm	I	I	I	I	I	I	I	I		
Damage/loose connection of harness terminals	I	I	I	I	I	I	I	I	I	Steering shaft universal joint & sliding sleeve	I	I	I	I	I	I	I	I		
Diagnostic test with GIDSS	Test	Test	Test	Test	Test	Test	Test	Test	Test	Grease all grease nipples	L	L	L	L	L	L	L	L		
Function of alternator	I	I	I	I	I	I	I	I	I	Power steering filter	I	I	I	R	I	I	I	R		
Function of starter motor	I	I	I	I	I	I	I	I	I	<b>FRONT SUSPENSION</b>										
Interior dome light	I	I	I	I	I	I	I	I	I	Check for damage on front axle	I	I	I	I	I	I	I	I		
Lights, horn, windshield, wiper and washer	I	I	I	I	I	I	I	I	I	Front spring pins and shackles	I	I	I	I	I	I	I	I		
Specific gravity of battery fluid and level	I	I	I	I	I	I	I	I	I	Check front suspension and mountings for looseness or damage	I	I	I	I	I	I	I	I		
<b>REAR SUSPENSION</b>																				
Air leaks from air suspension	I	I	I	I	I	I	I	I	I	Knuckle-to-front axle clearance	I	I	I	I	I	I	I	I		
Bolts and nuts on chassis and body	T/I	T/I	T/I	T/I	T/I	T/I	T/I	T/I	T/I	Leaf spring damage	I	I	I	I	I	I	I	I		
Trailer coupler (if equipped)	I	I	I	I	I	I	I	I	I	Leaf spring u-bolts	T	T	T	T	T	T	T	T		
Function of leveling valves	I	I	I	I	I	I	I	I	I	Shock absorber mountings and leakage	I	I	I	I	I	I	I	I		
Loose or damaged leaf spring u-bolts	I/T	I/T	I/T	I/T	I/T	I/T	I/T	I/T	I/T	<b>UNDER CARRIAGE</b>										
Loose shock absorber mounting and leakage	I	I	I	I	I	I	I	I	I	Check for excessive play in propeller shaft joints / connections	I	I	I	I	I	I	I	I		
Rr spr. shackle pins or rr spr.sliding shackles	I/L	I/L	I/L	I/L	I/L	I/L	I/L	I/L	I/L	Propeller shaft bearing, sliding & universal joints	L	L	L	L	L	L	L	L		
	L	L	L	L	L	L	L	L	L	Susp.mountings for looseness or damage	I	I	I	I	I	I	I	I		
										Clean and grease all grease nipples	L	L	L	L	L	L	L	L		



# 20,000 km or 12 months SERVICE SCHEDULE MVR Bus MY 2022 (6HK1 Engine)



Job Card No.: ..... Customer Name: ..... Model : ..... KM Reading: ..... VIN : .....  
 Service Advisor : ..... Authorisation No: ..... Technician (Print) : ..... Date : .....

Dealer Stamp

Torque for wheels.....6 Bolt = 450 - 500 Nm
Torque for wheels.....8 Bolt = 550 - 600 Nm
Torque for wheels.....10 Bolt = 500 - 550 Nm
Oil Specifications..... Refer to Lube Chart

TECHNICIAN NOTES AND TROUBLE CODE

Test drive vehicle :  
 Start km \_\_\_\_\_  
 End km: \_\_\_\_\_  
 Technician Name: \_\_\_\_\_  
 Technician Signature: \_\_\_\_\_

Customer Signature: \_\_\_\_\_

Workshop Foreman Signature: \_\_\_\_\_

Date: \_\_\_\_\_

- ADDITIONAL NOTES:**
- Road Test Vehicle - Minimum 10 km : Test exhaust brake, check for vibration, warning buzzers, operation of all gauges, test brakes, clutch operation, excessive engine smoke, fluid leaks, clean vehicle thoroughly and report findings.
  - Attach one copy of service schedule to Customer's Invoice.
  - Attach one copy of service schedule to Job Card.

<p>Updated          April 2024  <u>Document No.</u>          MVR Bus / 20</p>
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