Servicing is the best guarantee of reliability

The inspection and servicing intervals are given as a guide and are intended for vehicles operating under normal road conditions. The more severe the operating conditions, the shorter the service and inspection intervals. In some cases it will be necessary to consider servicing and inspection intervals in terms of hours rather than mileage. The Manufacturer cannot be held responsibile for damage caused by driving errors, or failure to comply with the recommendations made in this handbook, particularly regarding the use of lubricants that do not conform to the specifications given.

Warranty inspection after 2500 km

This is an overall check on your vehicle. No charge is made but it is obligatory and affects the validity of the vehicle warranty. To have this inspection carried out, consult your dealer and show him the warranty card you received with the vehicle.

Lubrication

The manufacturer specifies the performance levels of the lubricants required for the correct operation of the vehicles he has built, and also sets the lubrication intervals.

These recommendations must be strictly followed.

Their observance will increase the service life of the components. Failure to comply can invalidate the warranty offered.

The lubrication table and chart set out these requirements.

Important

Draining the oils: always drain the oils on level ground with the oils hot to aid the flow. When refitting the drain plugs, fit new sealing washers.

Checking the oil levels

(all units).

The oil levels must always be checked on level ground under the same conditions (vehicle empty or laden) and at least 5 minutes after the vehicle has stopped.

Road tests

After the warranty inspection, the selling dealer should make sure that the user clearly understands all the driving and servicing instructions in the handbook.

Cab protection

During assembly our cabs receive a special anticorrosion treatment. An injection process is used which penetrates all the box sections of the cab. To extend the life of this initial protection, we strongly recommend that this treatment should be repeated annually. All you have to do is to contact your dealer who has the necessary equipment and material available to carry out this treatment.

RECOMMENDED SAFETY OPERATIONS

In the interest of safety it is strongly recommended that the following operations be carried out at the intervals specified, time or mileage basis whichever occurs the soonest.

30,000 km (18,000 miles) or 18 months Change brake hydraulic fluid. All models.

60,000 km (36,000 miles) or 3 yearsServiceable hydraulic brake assemblies should be replaced or overhauled.
All flexible rubber hoses must be renewed.

120,000 km (72,000 miles) or 4 years Renew load sensing valve assembly.

"USED" Engine Oils

WARNING - Prolonged and repeated contact may cause serious skin disorders, including dermatitis and cancer.

Avoid excessive contact, wash thoroughly after contact. Keep out of reach of children.

PROTECT THE ENVIRONMENT - It is illegal to pollute drains, water courses or soil. Use authorised facilities for disposal. If in doubt, contact your Local Authority for advice."

ALL 50 SERIES MINIBUSES — STEERING COLUMN UNIVERSAL JOINT. 160,000 km (100,000 miles).

Check flexible disc for damage.
Check universal joints for wear and corrosion.
Check all splines for condition and wear.

240,000 km (150,000 miles).

Renew universal coupling.

SEQUENCE OF SERVICE

OPERATOR CHECKS

Daily

Check/top-up engine oil level

Check/top-up coolant level - including antifreeze

Check vacuum/air gauge reading

Check operation of service and parking brakes Check operation of warning lights, road lights,

horn and windscreen wash/wipe

Check/top-up brake antifreeze unit (winter only)

Weekly

Check/top-up clutch and brake fluid reservoir

Check/top-up washer bottle

Check/adjust tyre pressures Check operation of air reservoir automatic drain valve

Inspect water and dirt trap Inspect all units for leaks

FIRST SERVICE

2000km (1500 miles) (60 hours)

Service	kilometre	kilometres (miles)		
A	10,000	(6,000)	250	
В	20,000	(12,000)	500	
A	30,000	(18,000)	750	
C	40,000	(24,000)	1,000	
A	50,000	(30,000)	1,250	
D	60,000	(36,000)	1,500	
A	70,000	(42,000)	1,750	
С	80,000	(48,000)	2,000	
A	90,000	(54,000)	2,250	
В	100,000	(60,000)	2,500	
A	110,000	(66,000)	2,750	
Е	120,000	(72,000)	3,000	

Note. In addition to the above servicing it is essential that engine oil and filter are changed at intermediate intervals of 5,000 km (3,000 miles) on engines which are engaged in arduous and dirty conditions, in extreme climates, low gear operation with low mileage, static operation, or frequent stop/start work.

SERVICE SCHEDULES

		Services					
Operation	First	A	В	C	D	E	
		A 5 1 1 1			100		
Diesel Engines		1 2 10 10	10.67	1000	1.00		
Check unit for oil and fuel leaks	X	X .	X	X	X	X	
Change engine oil and filter	X		X	X	X	X	
Check/adjust valve clearances (every 48,000 miles)		-	-	_	- 7 - 77 1	-	
Check/adjust drive belt tensions	X	- 178	X	X	X	X	
Check/adjust slow running	X	- 1 - 1 121	X	X	X	X	
Clean water trap (drain fuel tank sediment if necessary)	-		X	X	X	X	
Clean fuel lift pump	-	_	X	X	- 310	X	
Clean fuel lift pump Check fuel lines for corrosion or chafing etc.	X	_	X	X	X	X	
Kellew luci liller clefficiti		_	X	X	X	X	
Clean air cleaner element	_	_	X	X	- 1 Tag 1	_	
Renew air cleaner element (every third cleaning)		THE BEST	earl Total	_	X	X	
Clean/reset injectors (every 60,000 miles)		_	SALE STATE	100	_	_	
Check/adjust governed speed		_	andi - e	-	X	X	
Check security and condition of air trunking	X	man Title 200	X	X	X	X	
Check/adjust governed speed Check security and condition of air trunking Check engine operation (road test)	X	-	X	X	X	X	
Petrol Engine							
Check engine for oil and fuel leaks	x	x	X	X	x	X	
Change engine oil	x	X	X	X	x	X	
Change oil filter element (*arduous conditions)		*	X	X	x	X	
Check/adjust drive belt tensions	x	_	X	X	x	X	
Clean, regap or renew spark plugs	_	x	X	X	x	X	
Check P.C.V. valve operation		3 =	X	10 P. D.	x	2	
Renew P.C.V. valve	_	_	Carriero	X	Trailing in	X	
Change in-line fuel filter			_	X		X	
Clean rocker cover breather	_	_	_	X	23.4	X	
Clean air cleaner element	_	_	x	X	-	Ĺ	
Renew air cleaner element	_	_	_	_	x	X	
Check fuel lines for corrosion or chafing etc.	x	_	X	and the	X	_	

	Services					
Operation	First	A	В	C	D	E
Petrol Engine (continued)		7.84	4(=			
Check security and condition of air trunking	x		x	X	x	X
Clean and examine H.T. leads	A		X	X	X	X
	_	_	X	X	X	X
Check/adjust carburettor settings		_	X	X	X	X
Check/adjust ignition timing	x	S		X	X	X
Adjust slow running			X		35.0	100
Check engine operation (road test)	X	_	X	X	X	X
Cooling System			ar of art	No Contract	1.3	-7
Check/top-up (including antifreeze)	X	-	X	X	X	X
Check system for leaks	X	_	X	X	X	X
Check condition of hoses	-	-	X	X	X	X
Clutch System	- in si				mile de sant	
Check/top-up fluid level	X	91 <u>L</u> E	X	X	X	X
Check system for leaks	X	- 828	X	X	X	X
Check condition of pipes	X		X	X	X	X
Check operation (road test)	x	-	x	X	X	X
Gearbox				1 10 100		
Check unit for oil leaks	x	X	X	X	x	X
Check/top-up oil level	_	_	X	_	X	_
Change oil (or at least annually)	X	Hamilton	_	x	_	X
Clean breather	_	_	X	X	x	X
Check operation (road test)	x	_	X	X	X	X
check operation (road test)	A		1		*	1
Automatic Transmisssion		1000		650.00	83,3330.0	
Check/top-up fluid level (after road test)	X	TO SEE THE PERSON	11.7	4.0	-	1
Drain and refill	_		X	X	X	X
Renew filter	_		X	X	X	X
Adjust bands	4 4 7	_1/m	X	X	X	X
Check shift speeds (road test)	X	-	X	X	X	X
Check unit for leaks	x	X	X	X	X	X

Operation		Services					
Operation	First	A	В	C	D	E	
Rear Axle	16		1 1 10		Las Jura		
Check unit for oil leaks			100		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1000000	
	X	X	X	X	X	X	
Check/top-up oil level Change oil	_	-	X	X	X	-	
Clean axle breather	X	-			- 11 (1 <u>2</u> 11)	X	
Cheek adjust his and float			X	X	X	X	
Check/adjust hub end float	_	-	X	X	X	11111	
Clean and repack hubs	_	_ 60	-	-	1010 <u>12</u> 11.8	X	
Front Axle				1,000	1 1 7 1 1 1	P4 04)	
Check/adjust hub end float		0_03	x	X	x	STATE OF THE STATE OF	
Clean and repack hubs	_	-	_	-	-	X	
Suspension				1 1			
Check 'U' bolt tightness			1.00	1000	FE LEVILLE	11.02.00	
Check hydraulic dampers for leaks	X	- 7	_		-	118	
Check flydiadiic dampers for leaks			X	X	X	X	
Steering		en. Telle	The Topics	and a street	and plant	d= (8)	
Check unit/system for leaks	x x	_	X	x	X	X	
Check/top-up oil level – manual unit	X	_	X	X	X	X	
Check/top-up power steering reservoir	X	_	X	X	X	X	
Change power steering reservoir filter	<u> </u>	_		10.2	500 _ 570	X	
Lubricate swivel pins	x	X	X	X	X	X	
Check operation (road test)	x	_	X	X	X	X	
Propshaft					Trada Bar	March.	
Lubricate universal joints and sliding sleeves				x	x	x	
Edition of the vorsal joints and shall g sieeves	-	i t e nhe	X	X	aji ni ku	X	
Wheels and Tyres						571 16	
Check/adjust tyre pressure (including spare wheel) Check condition of tyres	X	_ 01	X	X	X	X	
Check condition of tyres	X	_	X	X	X	X	
Check wheel nuts for tightness	x	2 14 <u>15</u> 1 2 4 1	X	X	X	X	

	Services					
Operation	First	A	В	C	D	E
Brakes		1 2000				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Check/top-up brake fluid level	X	X	X	X	X	X
Check lining thickness (through backplate)	_	X	_	-	-	77.00
Check lining condition (drums removed)	_	_	X	X	X	X
Check load sensing valve security	X	44	_	_	-	
Check/adjust load sensing valve setting (first A service only)	X	X	-	76 5	-	Lead of the
Check/adjust handbrake travel	X	_	X	X	X	X
Check condition of pipes and hoses	x	Mr. Line	X	x	X	X
Examine front brake pads for wear		X	X	X	X	X
Check operation of auto drain valve	X	_	X	X	X	X
Clean auto drain valve	_	Alexander	- 6	1 mg - 177	X	X
Check/decoke compressor*	_	-	X	X	X	X
Clean in-line filters	A 300	_	X	X	X	X
Check system for leaks	X	Se d'illant	X	X	X	X
Lubricate handbrake compensator	_	Company	X	X	X	X
Check operation of brakes (road test)	X	- 75	X	X	X	X
Examine brake caliper slide pin rubber boot & bush		- 10	X	X	-	-
Renew caliper slide pin, rubber boot & bush		_	_	_	X	X
Electrical			1			1
Check operation of all instruments	X	cinital con	X	X	x	X
Check operation of warning lights	A .		X	X	X	X
Check operation of horn, wipers and washers			X	X	X	X
Check operation road lamps			X	X	X	X
Check/top-up battery			X	X	X	X
Clean and protect battery terminals		1 1	X	X	X	X
Check operation of brake fluid level switch		Taraja SIMI	X	X	X	X
Visually check wiring	100	× _	X	X	X	X
	x	1490	A		_	1
Check security of battery	Α.	170		3,113		
Cab		9903	33.1	24.7	THE	77-37-8
Check operation of door locks and hinges	X	T. 1	x	7	1 40 -	-
Lubricate door locks and hinges	-	-		X	X	X
Check condition and security of sound insulation panels	X	-	X	X	X	X
Check condition and security of safety belts	X	-	X	X	X	X

RECOMMENDED LUBRICANTS

UNIT	AMBIENT TEMPERATURE	RECOMMENDED LUBRICANT	GRADE	SPECIFICATION
The state of the s	All temps. down to -15°C	Elf Multi Perfo XC	15W/40	New Section
	All temps. above 10°C	Elf Perfo XC	SAE 40	CCMC D2 MIL-L-2104C
Phaser 90	5°C to 35°C	EnterioxC	SAE 30	WIIL-L-2104C
Phaser 110T	All temps. down to -15°C	s. down to -15°C Elf Multi Performance 3D		of langhandson
All Operations	All temps. above 10°C	*	SAE 40	CCMC D2+
	5°C to 35°C	Elf Performance 3D	SAE 30	MIL-L-2104D
	All temps. down to -15°C	Elf Multi Performance 4D	15W/40	CCMC D3 S. H.P.D.
Phaser 90	All temps. down to -15°C	Elf Multi Performance 2B	15W/40	Med contexts constitution
Only All Operations	All temps. above 10°C	14. 19.40	SAE 40	CCMC D1
	5°C to 35°C	Elf Performance 2B	SAE 30	MIL-L-46152

Important. Diesel engines operating on high sulphur content fuels (0.6 to 1.0%) should use MIL-L-2104C lubricating oil only.

6.225		10004- 1000	Eli	API SE/CC		
PETROL ENGINE 6 CYL.	MULTI-GRADE	40°C to –18°C		or Elf Super Sporti Grade		
		Below –18°C	Elf Super Sporti Grade		API SF/CC	
		27°C to 0°C	SAE 30	Elf Performance 2B	API SE/C	
	MONO-GRADE	0°C to -12°C	SAE 20W	OR	AND THE ALL	
A Salar Company		−12°C to −23°C	SAE 10W Elf Performance 3D		API SF/CC	

RECOMMENDED LUBRICANTS

UNIT .	AMBIENT TEMPERATURE	RECOMMENDED LUBRICANT	SPECIFICATION		
	All temperatures to -15°C	Elf Perfo XC 30	MIL-L-2104C		
GEARBOX S5-24/3	All temperatures to -25°C	ElfTranselfEP80W/90	MIL-L-2105A		
GEARBOX T5-290			MIL I 2105 A		
STEERING BOX (Manual)	All temperatures to -25°C	Elf Tranself, EP, 80W/90	MIL-L-2105A API GL4		
REAR AXLE					
STEERING BOX (Power) and RESERVOIR	All	Elf Elfmatic G2	DEXRON II		
AUTOMATIC GEARBOX					
PROPSHAFTS			LITHIUM SOAP BASE NLGI.2. INCORPORATING E.P. ADDITIVES		
WHEEL HUBS	All	Elf Grease Multi EP2			
HAND BRAKE LINKAGE			contests (1965)		
SWIVELPINS	All	Elf Grease Multi MOS 2	LITHIUM SOAP BASE NLGI.2. INCORPORATING MOLYBDENUM		
AUTO BOX LINKAGE			DISULPHIDE		
BRAKE & CLUTCH SYSTEMS	All	Lockheed Universal 329.S	Dot 3 FM VSS 116		
CLUTCH ACTUATION- CLEVIS, LEVER, BRG. CARRIER & SPLINE	All	Elf Grease Multi MOS 2	LITHIUM SOAP BASE NLGI.2. INCORPORATING MOLYBDENUM DISULPHIDE		
ENGINE COOLANT CONCENTRATE, (ANTI-FREEZE)	All	ICI 007 M0BIL PERMAZONE ELF ANTI-FREEZE RTIL	BS 6580 1985		