

Компания "LRservice" предлагает оригинальные, не оригинальные запчасти, аксессуары, детали тюнинга для всех моделей Land Rover.

Мы производим техническое обслуживание, ремонт, тюнинг, стайлинг, внедорожную подготовку автомобилей Land Rover.

Осуществляем быстрые розничные или оптовые поставки в регионы России и другие страны.

На нашем сайте <u>www.lrservice.ru</u>, который постоянно пополняется, вы найдете огромное количество информации по автомобилям Land Rover: руководства по эксплуатации, фотографии, Часто Задаваемые Вопросы, Вопрос-Ответ, Форум, каталоги запчастей и многое другое.

RECOMMENDED LUBRICANTS AND FLUIDS - NAS VEHICLES

		25.7	A	MBIE	NTT	EMPE	RAT	JRE °	С	
SPECIFICATION	VISCOSITY	-30	-20	-10	0	10	20	30	40	50
Use oils to API service level SG, SH or SJ	5W/20		Î		1	İ	I	1	T.	I I
	5W/30		Ţ	Ţ.	1	Ť	il.	+	ı İ	-
or ILSAC GF2	5W/40		Ť	T)	1	Ť	18	1	1	
or ACEA A2:96	5W/50		1	- IS	1	1	I I	1	T	T I
	10W/30		1		1	1	III III	1	1	-
	10W/40 10W/50 10W/60		1 1 1					1		-
	15W/40 15W/50		1	L	-	1	1	1	1	1 1
100	20W/40 20W/50	1	1		-	1	ı	+		
Texaco Multigear	75W 90R		1		-	Ť	Ü	+	į	i
ATF Dexron III			1		1	1	ı I	-	1	
Texaco MTF 94			-			+	1		-	
ATF Dexron III			1			1		1	T	
ATF Dexron III or T	examatic 9226		i	İ	ì	i	T	i	Ť	į
	Use oils to API service level SG, SH or SJ or ILSAC GF2 or ACEA A2:96 Texaco Multigear ATF Dexron III Texaco MTF 94 ATF Dexron III	Use oils to API service level SG, SH or SJ or ILSAC GF2 or ACEA A2:96 5W/50 10W/50 10W/60 15W/50 20W/50 20W/50 Texaco Multigear 75W 90R ATF Dexron III	Use oils to API service level SG, SH or SJ or ILSAC GF2 or ACEA A2:96 5W/50 10W/50 10W/50 10W/60 15W/50 15W	SPECIFICATION VISCOSITY -30 -20	SPECIFICATION VISCOSITY -30 -20 -10	SPECIFICATION VISCOSITY -30 -20 -10 0	SPECIFICATION VISCOSITY -30 -20 -10 0 10	SPECIFICATION VISCOSITY -30 -20 -10 0 10 20	SPECIFICATION VISCOSITY -30 -20 -10 0 10 20 30 Use oils to API service level 5W/20	Use oils to API service level SG, SH or SJ or ILSAC GF2 or ACEA A2:96 5W/50 10W/30 10W/40 10W/50 10W/60 15W/50 20W/40 20W/50 10W/50 10W

RECOMMENDED LUBRICANTS AND FLUIDS - ALL EXCEPT NAS VEHICLES

All climates and conditions

			AMBIENT TEMPERA						ATURE °C			
COMPONENT	SPECIFICATION	VISCOSITY	-30	-20	-10	0	10	20	30	40	50	
Petrol models	Use oils to API	5W/30	1	I	1	1	T.	<u> </u>	1		- !	
Engine sump Oil can	service level SG or SH	5W/40	T	[2] [2]		+	P)	4	1		<u>्</u>	
Olican	or ACEA A2:96	5W/50			1	Î L		1	1		i	
	NOEN PE.SO	10W/30	1	-	-	+		+	+	•	1	
		10W/40 10W/50 10W/60	1	1	1	1 1 1		1	I I	1	1	
	15W/40 15W/50	1 1	L L	-	1		+	1		-		
	20W/40 20W/50		1	1	1	ľ	1	1	1	i		
	25W/40 25W/50			1	1							
Diesel models Engine sump ACEA A3:96 ACEA B3:96	5W/30	i	i	i 1	1	i i	1	-	Ť	i		
	ACEA B3.90	5W/40 5W/50	I I	I	1	1	I I	-	1	1	i	
		10W/30						+	-			
	10W/40 10W/50	1 1			1		+	-		-		
Final drive units	Texaco Multigear	75W 90R	- 1		-	1	!	1	Ţ Ţ		1	
Main Gearbox Automatic	ATF Dexron III		T I	I I	1	1		-	1	1	1	
Main Gearbox Manual	Texaco MTF 94			i		-						
Transfer box	ATF Dexron III		1	1	1	1	1	1	1	T	1	
Power steering	ATF Dexron III or T	examatic 9226	1	E E	1	ľ	E 6	1	1			

Propeller shaft Front and Rear Lubrication nipples	. NLGI - 2 Multi-purpose Lithium based GREASE
Door check straps	. Rocol SM500 molygrease
Door locks	. Fuchs Renocal FN745
Brake and clutch reservoirs	. Brake fluids having a minimum boiling point of 260°C (500 °F) and complying with FMVSS 116 DOT4
Engine cooling system	. Use an ethylene glycol based anti-freeze (containing no methanol) with non-phosphate corrosion inhibitors suitable for use in aluminium engines to ensure the protection of the cooling system against frost and corrosion in all seasons.
Battery lugs, earthing surfaces where paint	. Petroleum jelly. NOTE: Do not use Silicone Grease
Air conditioning system refrigerant	. Refrigerant R134a CAUTION: DO NOT use any other type of refrigerant.
Air conditioning compressor oil V8 up to 99MY V8 from 99MY and diesel	. Sanden SP10 . Nippon Denso ND-OIL 8
ABS sensor bush	. Silicone grease: Staborags NBU - Wabco 830 502,0634 Wacker chemie 704 - Wabco 830 502,0164 Kluber GL301

LUBRICATION PRACTICE

Use a high quality oil of the correct viscosity range and service classification in the engine during maintenance and when topping up. The use of oil not to the correct specification can lead to high oil and fuel consumption and ultimately to damaged components.

Oil to the correct specification contains additives which disperse the corrosive acids formed by combustion and prevent the formation of sludge which can block the oilways. Additional oil additives should not be used. Always adhere to the recommended servicing intervals.



WARNING: Many liquids and other substances used in motor vehicles are poisonous. They must not be consumed and must be kept away from open wounds. These substances, among others, include anti-freeze windscreen washer additives, lubricants and various adhesives.

CAPACITIES

The following capacity figures are approximate and provided as a guide only. Refer to Section 10 for correct checking procedure for powertrain oil levels.

Engine sump and filter - Petrol		
From dry	. 6.6 litres	14.0 US pints
Refill	. 5.8 litres	12.3 US pints
Engine sump and filter - Diesel		
From dry	. 9.5 litres	20 US pints
Refill	. 8.7 litres	18.4 US pints
Manual gearbox		
From dry	. 2.7 litres	5.7 US pints
Refill	. 2.2 litres	4.6 US pints
Automatic gearbox		
4.6 V8 up to '99MY	. 11 litres	23.2 US pints
4.0 V8 (& 4.6 V8 from '99MY)	. 9.7 litres	20.5 US pints
Diesel		20.5 US pints
Transfer box		
From dry	. 2.4 litres	5.0 US pints
Refill		4.2 US pints
Front axle		
From dry	. 1.7 litres	3.6 US pints
Refill		3.4 US pints
Rear axle		30141017710147.VIIIC-9
From dry	. 1.7 litres	3.6 US pints
Refill		3.4 US pints
Power steering box and reservoir	. 1.7 litres	3.6 US pints
Cooling system		24 US pints
Fuel tank		
Petrol	. 100 litres	26.4 US gallons
Diesel	. 90 litres	24 US gallons
Air conditioning system		
Refrigerant charge weight		
V8 up to 99MY	. 1250 grammes	44 oz
V8 from 99MY		49 ± 1 oz
Diesel		39 oz
Refrigerant oil in system	•	
V8 up to 99MY	. 150 cm ³	0.32 US pint
V8 from 99MY		0.38 US pint
Diesel		0.30 US pint

ANTI-FREEZE

ENGINE TYPE	MIXTURE STRENGTH	PERCENTAGE CONCENTRATION	PROTECTION LOWER TEMPERATURE LIMIT
V8 Engine Diesel Engine	One part anti-freeze One part water	50%	
Complete protection Vehicle may be driven aw	vay immediately from cold		- 33°F - 36°C
Safe limit protection Coolant in mushy state. Engine may be started and driven away after warm-up period			- 41°C - 42°F
Lower protection Prevents frost damage to starting engine	cylinder head, block and radiat	or. Thaw out before	- 47°C - 53°F



CAUTION: Anti-freeze content must never be allowed to fall below 25% otherwise damage to the engine is liable to occur. Also, anti-freeze content should not exceed 60% as this will greatly reduce the cooling effect of the coolant.

FUEL REQUIREMENTS

Catalyst vehicles

Vehicles equipped with catalytic converter are designed to use ONLY unleaded fuel. Unleaded fuel must be used for the emission control system to operate properly. Its use will also reduce spark plug fouling, exhaust system corrosion and engine oil deterioration.

Using fuel that contains lead will result in damage to the emission control system and could result in loss of warranty coverage. The effectiveness of the catalysts in the catalytic converters will be seriously impaired if leaded fuel is used. The vehicle is equipped with an electronic fuel injection system, which includes two oxygen sensors (4 oxygen sensors on NAS vehicles). Leaded fuel will damage the sensors, and will deteriorate the emission control system.

Regulations require that pumps delivering unleaded fuel be labelled **UNLEADED**. Only these pumps have nozzles which fit the filler neck of the vehicle fuel tank.

RECOMMENDED FUEL

Petrol engines

Use petrol conforming to European standard EN228

Low compression engines

With catalytic converter	91 RON minimum unleaded
Without catalytic converter	
4.0 litre	91 RON minimum unleaded or 91 RON minimum
	leaded
4.6 litre	91 RON minimum unleaded or 91 RON minimum
	leaded
High compression engines	95 RON minimum unleaded



NOTE: It is possible to use unleaded fuel with a 91 RON minimum octane rating for high compression engines, but performance will be adversely affected.

Using fuel with an octane rating lower than stated above could seriously impair vehicle performance.

Diesel engines	Diesel fuel to European standard EN 590; minimum
	Cetane No. 45

In the interests of optimum vehicle performance, the use of oxygenated fuels such as blends of methanol/gasoline or ethanol/gasoline (e.g. 'Gasohol') is not recommended. If oxygenated fuels are to be used, be aware of the following maximum limits for the percentage of fuel additive that is allowed in the relevant markets:

NAS specification:

Methyl Tertiary Butyl Ether (MTBE)	15%
Ethyl Tertiary Butyl Ether (ETBE)	15%
Ethanol (Ethyl or grain alcohol)	10%



CAUTION: Wherever possible, avoid using fuel containing Methanol

European specification (EN 220).	
Methyl Tertiary Butyl Ether (MTBE)	15%
Ethyl Tertiary Butyl Ether (ETBE)	15%
Ethanol (Ethyl or grain alcohol)	5%
Methanol with co-solvents	3%



CAUTION: Take care not to spill fuel during refuelling.