

RENAULT

Technical Note6012A

TTY

Gearbox and final drive oils

All types

Sub-sections concerned: 04A - 21A - 21B - 23A - 26A

Oils used for lubricating gearboxes and final drives.

IMPORTANT: Gearboxes may be seriously damaged if the recommended oils are not used.

See the corresponding Technical Note for information on topping up the oil in PK and PF gearboxes.

Note: Follow the advice given in this Technical Note when storing gearbox oils.

Edition 8

77 11 329 822

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Edition Anglaise

"The repair methods given by the manufacturer in this document are based on the technical specifications current when it was prepared.

The methods may be modified as a result of changes introduced by the manufacturer in the production of the various component units and accessories from which his vehicles are constructed."

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Gearbox and final drive oils

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RENAULT has chosen ELF

I - INTRODUCTION:

Gearbox oils are high technology products which require careful management to ensure that they do not come into contact with water which, even in very small quantities, may reduce the oil quality and cause damage to the gearbox or final drive.

II - STORAGE AND USE:

Once opened, any can of oil must be checked to ensure that it is sealed when closed, to prevent water or other substances from entering.

III - SPECIAL NOTES:

1 - Storing oil cans:

Cans must be stored:

- in an area sheltered from the weather (rain, snow, spray),
- in a dry place (avoid areas near washing stations),
- hermetically sealed.

2 - Storing components (gearbox or final drive):

When storing a gearbox or final drive which has not been drained, block off air inlets.

Store the component in a dry place.

3 - Use of oil:

Cans must be closed after use.

To prevent a large surface area of oil from coming into contact with ambient air, do not decant the oil into a larger container.

In any operation on the gearbox requiring its drainage, the oil must be replaced with new oil.

It is also recommended that you shake the containers before filling the gearbox, especially after a long period in storage.

4 - Pressure washing (of the vehicle or a component):

During pressure washing, plug the gearbox or final drive breather pipe to prevent water or other impurities from entering the gearbox or final drive.

If the gearbox or final drive is removed, plug all holes to prevent water or other impurities from entering the gearbox or final drive.

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Manual gearbox oil: Specifications

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I - VEHICLE/GEARBOX TYPE/OIL TYPE CORRELATIONS:

VEHICLE	GEARBOX TYPE	TYPE OF GEAR-BOX OIL
SUPER 5	JBx	TRANSELF TRJ 75W80
EXPRESS	JBx	TRANSELF TRJ 75W80
KANGOO	JBx/JCx	TRANSELF TRJ 75W80
KANGOO Electrical	RWx	ELF RENAULTMATIC D3 SYN
TWINGO	JBx/JHx (1)	TRANSELF TRJ 75W80
CLIO	JBx/JCx	TRANSELF TRJ 75W80
CLIO II	JBx/JCx/JHx (1)	TRANSELF TRJ 75W80
CLIO II V6	PK6	TRANSELF TRZ 75W80
CLIO III	JHx	TRANSELF TRJ 75W80
	TL4	TRANSELF TRT 75W80
MODUS	JHx	TRANSELF TRJ 75W80
	TL4	TRANSELF TRT 75W80
RENAULT 19	JBx/JCx	TRANSELF TRJ 75W80
MEGANE/ SCENIC	JBx/JCx	TRANSELF TRJ 75W80

MEGANE II	JH3/JR5/ND0	TRANSELF TRJ 75W80
	PK4	TRANSELF TRP 75W80
	TL4	TRANSELF TRT 75W80
SCENIC II short	JH3/JR5/ND0	TRANSELF TRJ 75W80
	TL4	TRANSELF TRT 75W80
SCENIC II long	JH3/JR5	TRANSELF TRT 75W80
	ND0	TRANSELF TRT 75W80
LAGUNA	JR5/JC5	TRANSELF TRJ 75W80
	PK1 (suffix 015/017/030/ 032/037/038)	TRANSELF TRZ 75W80
	PK1 (suffix 046/047/048/ 049/051)	TRANSELF TRP 75W80
LAGUNA II	JH3/JR5	TRANSELF TRJ 75W80
	PK4	TRANSELF TRP 75W80
	PK6	TRANSELF TRP 75W80
VEL SATIS	PK4	TRANSELF TRP 75W80
	PK6	TRANSELF TRP 75W80

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SAFRANE	VM1/PK1/ PK7/PK9	TRANSELF TRZ 75W80
	PK1 (suffix 043) (B54G)	TRANSELF TRP 75W80
ESPACE J11 - J63	NGx/UNx	TRANSELF TRX 75W80
ESPACE JE0X	JC5	TRANSELF TRJ 75W80
	PK1	TRANSELF TRP 75W80
ESPACE IV	PK4	TRANSELF TRP 75W80
	PK6	TRANSELF TRX 75W80
AVANTIME	PK6	TRANSELF TRP 75W80
ALPINE	UNx	TRANSELF TRX 75W80
SPIDER	JC5	TRANSELF TRJ 75W80
TRAFIC	NEx/N0x	TRANSELF TRX 75W80
TRAFIC II	PK5/PK6	TRANSELF TRX 75W80
MASTER	UNx	TRANSELF TRX 75W80
MASTER II	PF1/PKx	TRANSELF TRX 75W80
MASTER RWD	ZFx	TRANSELF LD 75W80
LOGAN	JHx/JR5	TRANSELF TRJ 75W80

(1) Hydraulic control of JH sequential gearbox: use ELF RENAULTMATIC D3 SYN oil.

Note:

For Laguna vehicles with a PK1 gearbox which has a suffix that does not appear in this table use TRANSELF TRP 75W80.

II - STANDARDS AND PART NUMBERS OF THE VARIOUS RECOMMENDED OILS:

NAME	STANDARD	PART NO.
TRANSELF TRZ 75W80	APIGL4, MIL-L-2105	77 01 419 289 (1 litre)
TRANSELF TRX 80W140	APIGL5, MIL-L-2105 C or D	77 01 422 230 (0.5 litre)
TRANSELF TRX 75W80	APIGL5, MIL-L-2105 C or D	77 11 143 534 (5 litres)
ELF RENAULTMATIC D3 SYN	DEXRON III	May be ordered from ELF (1)
TRANSELF TRJ 75W80	APIGL5, MIL-L-2105 C or D	May be ordered from ELF (1)
TRANSELF LD 75W80	APIGL4, MIL-L-2105	May be ordered from ELF (1)
TRANSELF TRT 75W80	APIGL5, MIL-L-2105 C or D	77 11 226 421 (1 litre)
TRANSELF TRP 75W80	APIGL5, MIL-L-2105 C or D	77 11 219 747 (1 litre)

(1) Visit the ELF website.

III - IDENTIFICATION OF OIL FOR STANDARD EXCHANGE PK1 GEARBOXES:

The PK standard exchange gearbox type is indicated by:

- a label (A) with a fluorescent yellow background,

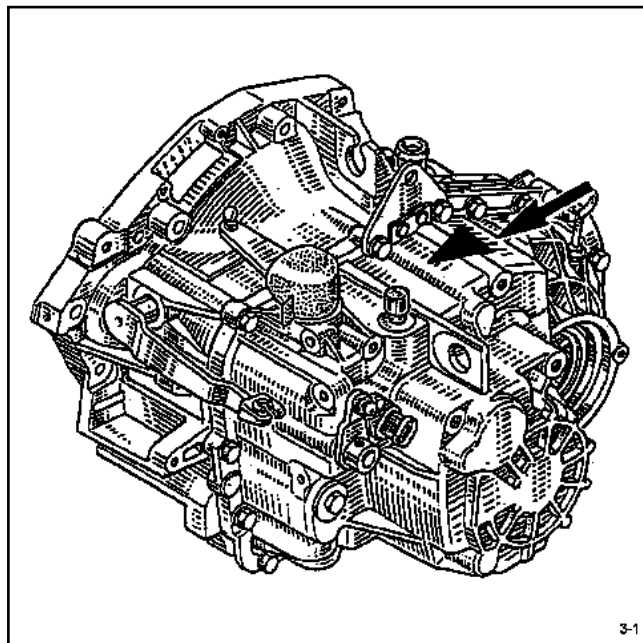
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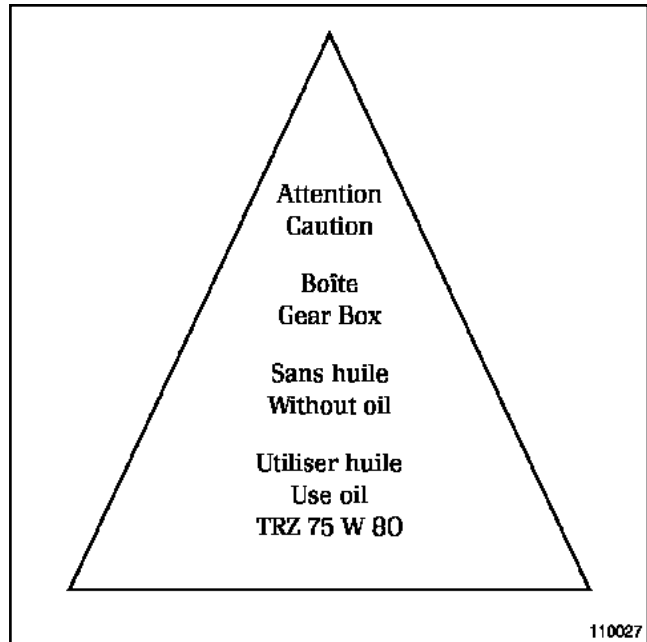
- a letter (M or T) stamped under the label:

- M: gearbox with SINGLE-CONE synchroniser,
- T: gearbox with MULTI-CONE synchroniser.



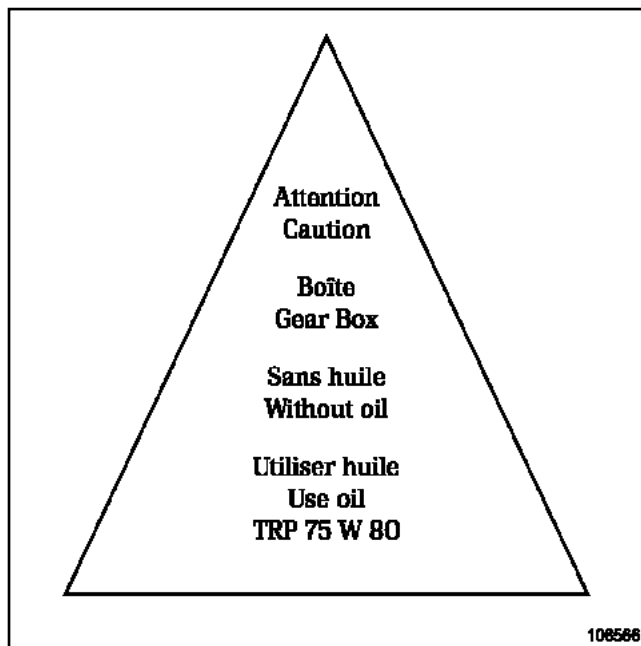
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Label for gearboxes with SINGLE-CONE synchroniser:



110027

Label for gearboxes with MULTI-CONE synchroniser:



108566

I - VEHICLE/GEARBOX TYPE/OIL TYPE CORRELATIONS:

VEHICLE	GEARBOX TYPE	TYPE OF GEARBOX OIL
SUPER 5	MBx	ELF RENAULTMATIC D2
EXPRESS	MBx	ELF RENAULTMATIC D2
KANGOO	DP0	ELF RENAULTMATIC D3 SYN
TWINGO	MBx	ELF RENAULTMATIC D2
CLIO II	DP0	ELF RENAULTMATIC D3 SYN
CLIO III	DP0	ELF RENAULTMATIC D3 SYN
MODUS	DP0	ELF RENAULTMATIC D3 SYN
RENAULT 19	MBx/AD4	ELF RENAULTMATIC D2
MEGANE/ SCENIC	MBx/AD4	ELF RENAULTMATIC D2
	DP0	ELF RENAULTMATIC D3 SYN

MEGANE II/ SCENIC II	DP0	ELF RENAULTMATIC D3 SYN
LAGUNA	AD4/AD8	ELF RENAULTMATIC D2
	LM0	ESSO ATF LT 71141
	DP0	ELF RENAULTMATIC D3 SYN
LAGUNA II	DP0	ELF RENAULTMATIC D3 SYN
	SU1	CLIP oil
VEL SATIS	SU1	CLIP oil
SAFRANE	AD8	ELF RENAULTMATIC D2
	SU0	KUWAIT PETROLEUM ATF 97337
	LM0	ESSO ATF LT 71141
ESPACE J11 - J63	AR4	ELF RENAULTMATIC D2

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Automatic gearbox oil: Specifications

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ESPACE JE0X	AD8	ELF RENAULTMATIC D2
	LM0	ESSO ATF LT 71141
	DP0	ELF RENAULTMATIC D3 SYN
ESPACE IV	SU1	CLIP oil
AVANTIME	SU1	CLIP oil

Note:

ELF RENAULTMATIC D3 SYN oil is not a replacement for RENAULTMATIC D2 oil.

II - STANDARDS AND PART NUMBERS OF THE VARIOUS RECOMMENDED OILS:

NAME	STANDARD	PART NO.
ELF RENAULTMATIC D2	DEXRON II D	77 01 402 037 (2 litres)
ESSO ATF LT 71141	-	77 11 172 226 (2 litres)
KUWAIT PETROLEUM ATF 97337	-	77 11 172 225 (1 litre)
ELF RENAULTMATIC D3 SYN	DEXRON III	May be ordered from ELF (1)
CLIP oil	-	77 11 218 368 (2 litres)

(1) Visit the ELF website.

Sequential gearbox oil: Specifications

I - VEHICLE/GEARBOX TYPE/OIL TYPE
CORRELATIONS:

Vehicle	Gearbox type	Type of oil for gearbox	Type of oil for sequential unit	Type of oil for hydraulic clutch control
TWINGO	JH1	TRANSELF TRJ 75W80	ELF RENAULTMATIC D3 SYN	-
CLIO II	JH1	TRANSELF TRJ 75W80	ELF RENAULTMATIC D3 SYN	-
CLIO III	JA3/JA5	TRANSELF TRJ 75W80	ELF SPEEDMATIC	-
MODUS	JA3/JA5	TRANSELF TRJ 75W80	ELF SPEEDMATIC	-
TRAFIC II	PA6	TRANSELF TRX 75W80	ELF SPEEDMATIC	DOT4
MASTER	PA6	TRANSELF TRX 75W80	ELF SPEEDMATIC	DOT4

II - STANDARDS AND PART NUMBERS OF THE
VARIOUS RECOMMENDED OILS:

(1) Visit the ELF website

Description	Standard	Part no.
TRANSELF TRX 75W80	APIGL5 MIL-L-2105 C or D	77 11 143 534 (5 litres)
TRANSELF TRJ 75W80	APIGL5 MIL-L-2105 C or D	May be ordered from ELF (1)
ELF RENAULTMATIC D3 SYN	DEXRON III	May be ordered from ELF (1)
ELF SPEEDMATIC	APIGL5 MIL-L-2105 C or D	77 11 228 107 (1 litre)

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Rear axle oil: Specifications

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I - VEHICLE/GEARBOX TYPE/OIL TYPE CORRELATIONS:

VEHICLE	TYPE OF FINAL DRIVE	TYPE OF FINAL DRIVE OIL
KANGOO	OH1 rear final drive	TRANSELF UNIVERSAL FE 80W90
CLIO	AD4	TRANSELF TRX 75W80
RENAULT 19	AD4	TRANSELF TRX 75W80
MEGANE/ SCENIC	SD1 rear final drive	TRANSELF UNIVERSAL FE 80W90
	AD4	TRANSELF TRX 75W80
LAGUNA	AD4/AD8	TRANSELF TRX 75W80
SAFRANE	AD8/OT2	TRANSELF TRX 75W80
ESPACE J11 - J63	AR4/OT2	TRANSELF TRX 75W80
ESPACE JE0X	AD8	TRANSELF TRX 75W80
TRAFIC	OT1	TRANSELF SYNTHESE FE 75W140
MASTER RWD	ZFx	TRANSELF UNIVERSAL FE 80W90

II - STANDARDS AND PART NUMBERS OF THE VARIOUS RECOMMENDED OILS:

NAME	STANDARD	PART NO.
TRANSELF TRX 75W80	APIGL5, MIL-L-2105 C or D	77 11 143 534 (5 litres)
TRANSELF SYNTHESE FE 75W140	APIGL5, MIL-L-2105 C or D	May be ordered from ELF (1)
TRANSELF UNIVERSAL FE 80W90	APIGL5, MIL-L-2105 C or D	May be ordered from ELF (1)

(1) Visit the ELF website.