

Engine

V Series Cab Tier 3 New Generation (2007-2009) - RP04 - 80

RP04\00010996.png

A-05
01



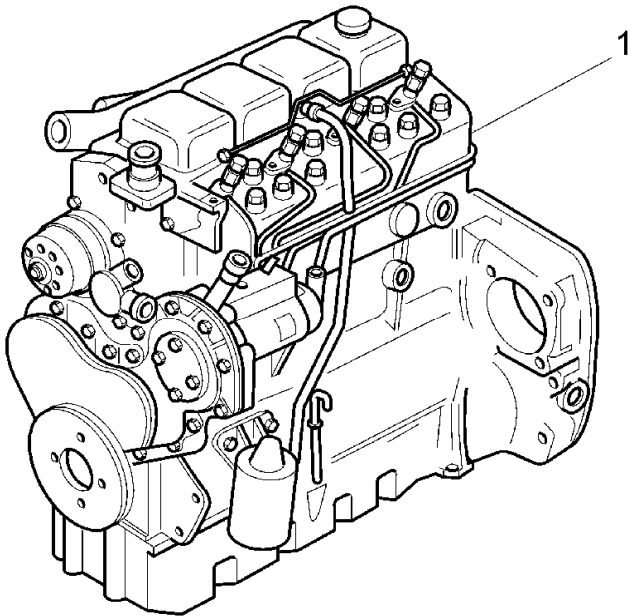
A0501

Engine assembly

Inglese

1 3692627M91

Perkins - nk38936 1 Engine
54.5kw



Engine

V Series Cab Tier 3 New Generation (2007-2009) - RP04 - 80

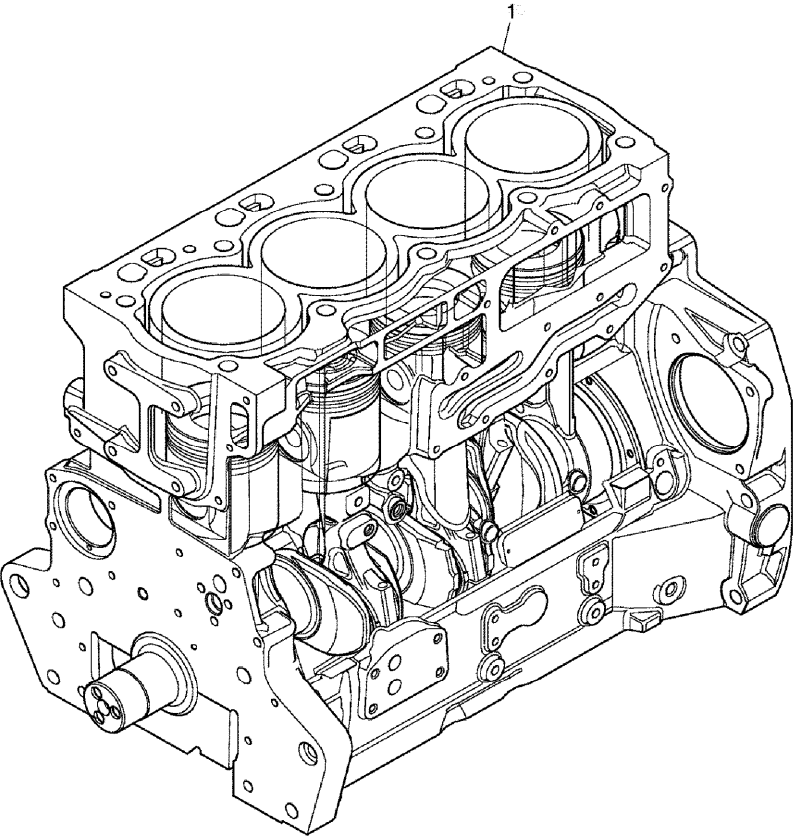
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A-05
02



A0502

Short engine



Inglese

- | | | | | | |
|---|---------|--|----------------------------------|---|----------------|
| 1 | NK40010 | | U056074 t | 1 | Cylinder block |
| | | | 3115A141(1),
32186146(3), NK4 | | |
| 1 | NK40017 | | U056075 t | 1 | Cylinder block |
| | | | From serial or engine number | | |
| | | | Up to serial or engine number | | |
| | | | Replacement | | |

Engine

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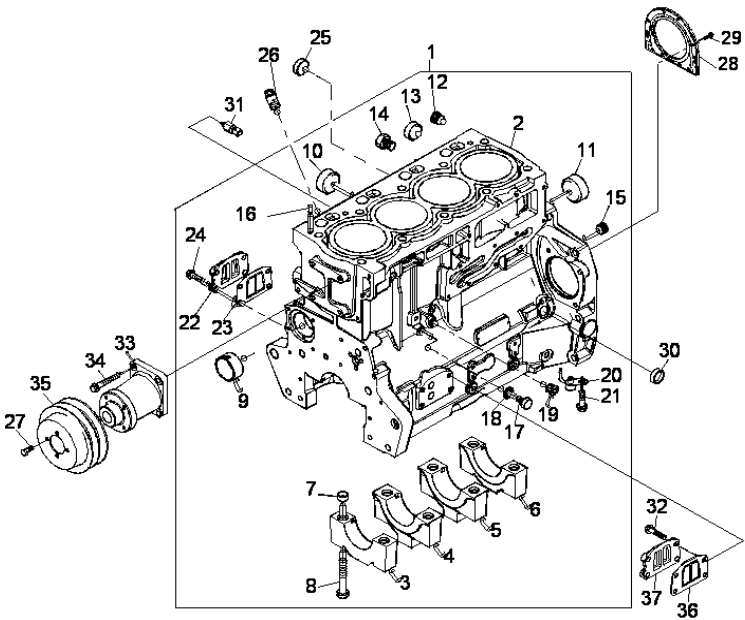
RP04\000015196.png

A-05
03



A0503

Cylinder block



Inglese

1	ZZ50321	●	ZZ50325(1)	1	Block
2		➡	Ref.n.1	1	Cylinder block
		!	1		
3		!	1	1	Bearing
		➡	Ref.n.1		
4		!	1	1	Bearing
		➡	Ref.n.1		
5		!	1	1	Bearing
		➡	Ref.n.1		
6		!	1	1	Bearing
		➡	Ref.n.1		
7	33142111	!	1	10	Manicott
8	32166329	!	1	10	Screw
9	3112D071	!	1	1	Bush
		●	3112D075(1)		
10	3241A011	!	1	2	Plug
11	3241A012	!	1	1	Plug
12	0650588	!	1	1	Plug
13	0650710	!	1	1	Plug
14	32141316	!	1	1	Plug
15	3212P008	!	1	1	Plug
16	3244A009	!	1	2	Dowel
17	2314C049	!	1	1	Screw
18	2415D053	!	1	1	Washer
19	0650594	!	1	1	Plug

Engine

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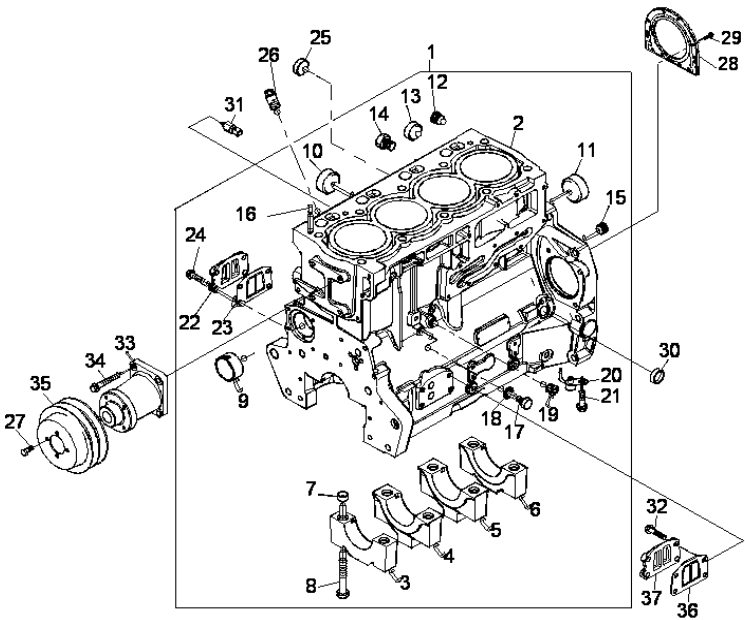
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A-05
03



A0503

Cylinder block



Inglese

20	2113A003	!	1	4	Atomiser
21	2314F001	!	1	4	Screw
22	3753A071	!	1	1	Coperch.
23	3688A041	!	1	1	Gasket
24	2314H034	!	1	4	Screw
25	2485A108			1	Plug
26	3212V006			1	Plug
27	2314C044			4	Screw
28	2418F704	(X)	0.1.3. T-A 11:0	1	Housing
29	3211C002			10	Screw
30	2485A109			1	Plug
31	2848A051	A		1	Pressure switch
32	2314H034			4	Screw
33	4113K005	T-A	2:0	1	Housing
34	2314J005			4	Screw
35	3115C113			1	Pulley
36	3688A041			1	Gasket
37	3753A071			1	Coperch.

- ! This is a component of an assembly
- Not serviced, order
- Replacement
- (X) Qty per tractors sold (aa.bbb.ccc.ddd) (aa) for 1,(bbb) 2-10 (ccc) 11-25 (ddd) 26-50
- T-A Replacement
- A Oil pressure

Engine

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04

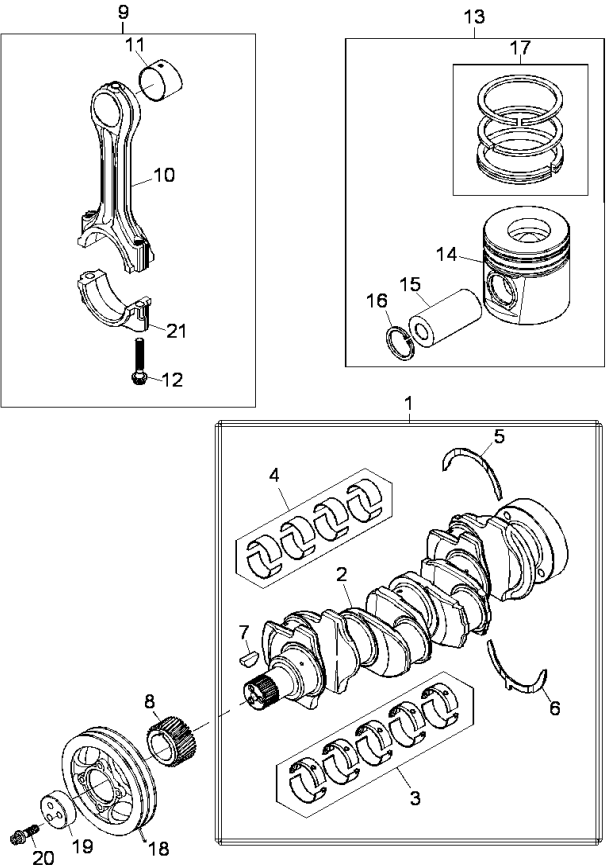
Crankshaft, pistons and connecting rods

V Series Cab Tier 3 New Generation (2007-2009) - RP04 - 80



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RP04\000015199.png



Inglese

1	ZZ90222	➡	U056074 t	1	Kit
		●	ZZ90239(1)		
1	ZZ90222P	➡	U056074 t	1	Kit
		●	N.L.A.(1)		
1	ZZ90237	➡	U056075 t	1	Shaft
2		!	1	1	Crankshaft
		➡	Ref.n.1		
3	U5MB0018	!	1	1	Kit
		➡	U056074 t		
		●	U5MB0033(1)		
		T-A	18:50		
3	U5MB0018A	⚡	(+)0.010"	1	Kit
		!	1		
		➡	U056074 t		
		●	U5MB0033A(1)		
		T-A	18:50		
3	U5MB0018B	⚡	(+)0.020"	1	Kit
		!	1		
		➡	U056074 t		
		●	U5MB0033B(1)		
		T-A	18:50		
3	U5MB0018C	⚡	(+)0.030"	1	Kit
		!	1		
		➡	U056074 t		
		●	N.L.A.(1)		
		T-A	18:50		

Engine

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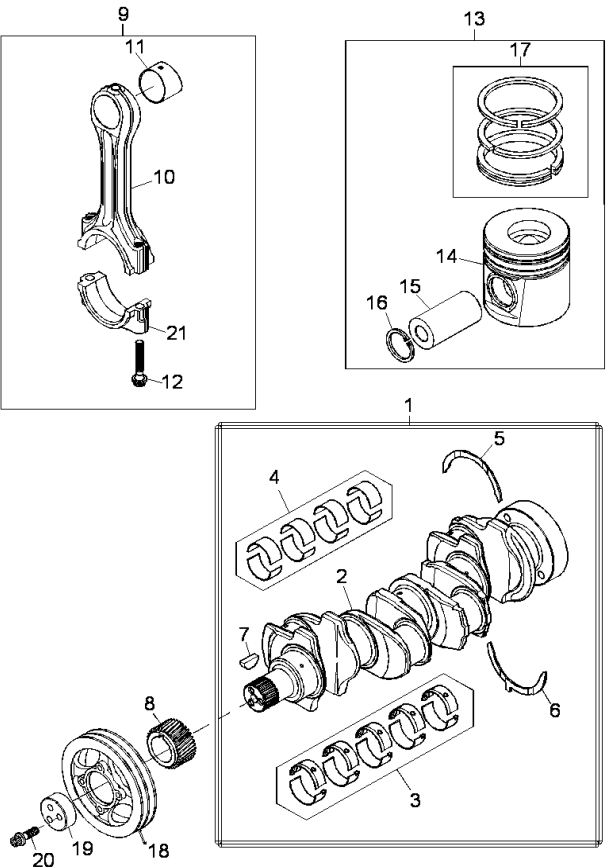
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04



A0504

Crankshaft, pistons and connecting rods



Inglese

3	U5MB0033	!	1	1 Kit
		➔	U056075 t	
3	U5MB0033A	!	1	1 Kit
		⌵	-0,25mm	
		➔	U056075 t	
3	U5MB0033B	!	1	1 Kit
		⌵	-0,50mm	
		➔	U056075 t	
3	U5MB0033C	!	1	1 Kit
		⌵	-0,75mm	
		➔	U056075 t	
		●	N.L.A.(1)	
4	T400002	!	1	1 Kit
		➔	U056075 t	
		●	T410927(1)	
4	U5ME0026	!	1	1 Kit
		➔	U056074 t	
		●	U5ME0034(1)	
4	U5ME0026A	!	1	1 Kit
		⌵	(+)0.25 mm	
		➔	U056074 t	
		●	U5ME0034A(1)	
4	U5ME0026B	!	1	1 Kit
		⌵	(+)0.50 mm	
		➔	U056074 t	
		●	U5ME0034B(1)	

Engine

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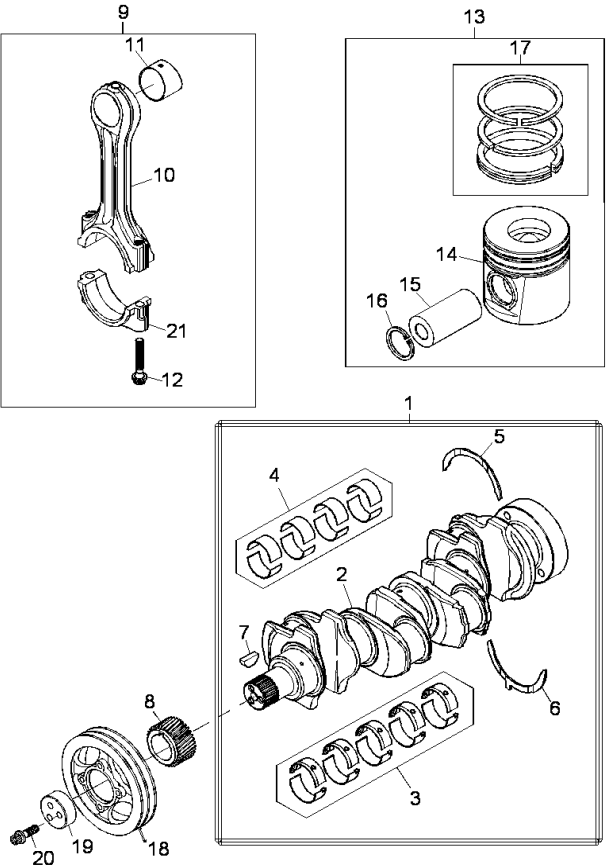
Crankshaft, pistons and connecting rods

V Series Cab Tier 3 New Generation (2007-2009) - RP04 - 80



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RP04\000015199.png



Inglese

4	U5ME0026C	!	1	1 Kit
		⚡	(+)0.75 mm	
		➡	U056074 t	
		●	U5ME0034C(1)	
5	31137312	⚡	(+)0.007"	2 Ring
		!	1	
		T-A	18:50	
5	31137551	!	1	2 Washer
		T-A	18:50	
6	31137322	⚡	(+)0.007"	2 Ring
		!	1	
		T-A	18:50	
6	31137561	!	1	2 Washer
		T-A	18:50	
7	0500012	!	1	1 Key
8	3117C221	T-A	13:0	1 Gear
9	4115C311	➡	U056074 t	4 Kit
		F		
		T-A	17:0	
9	4115C312	➡	U056074 t	4 Kit
		E		
		T-A	17:0	
9	4115C313	➡	U056074 t	4 Kit
		D		
		T-A	17:0	

Engine

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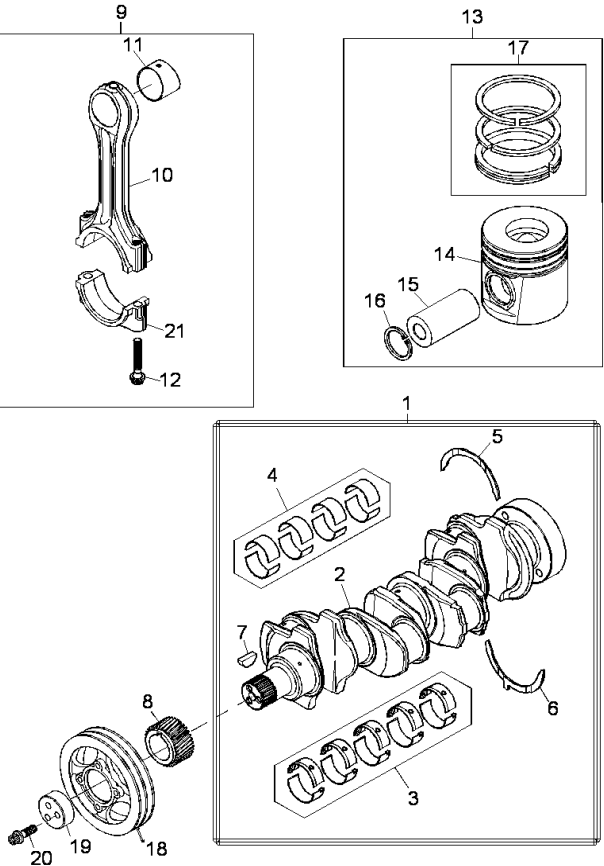
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A0504

Crankshaft, pistons and connecting rods



Inglese			
9	4115C314	➡	U056074 t
	C		
	T-A	17:0	
9	4115C315	➡	U056074 t
	B		
	T-A	17:0	
9	4115C316	➡	U056074 t
	A		
	T-A	17:0	
9	4115C361	➡	U056075 t
	F		
9	4115C362	➡	U056075 t
	E		
9	4115C363	➡	U056075 t
	D		
9	4115C364	➡	U056075 t
	C		
9	4115C365	➡	U056075 t
	B		
9	4115C366	➡	U056075 t
	A		
10	!	9	1 Conrod
	➡	Ref.n.9	
11	3112A005	!	9
	T-A	17:0	1 Bush

Engine

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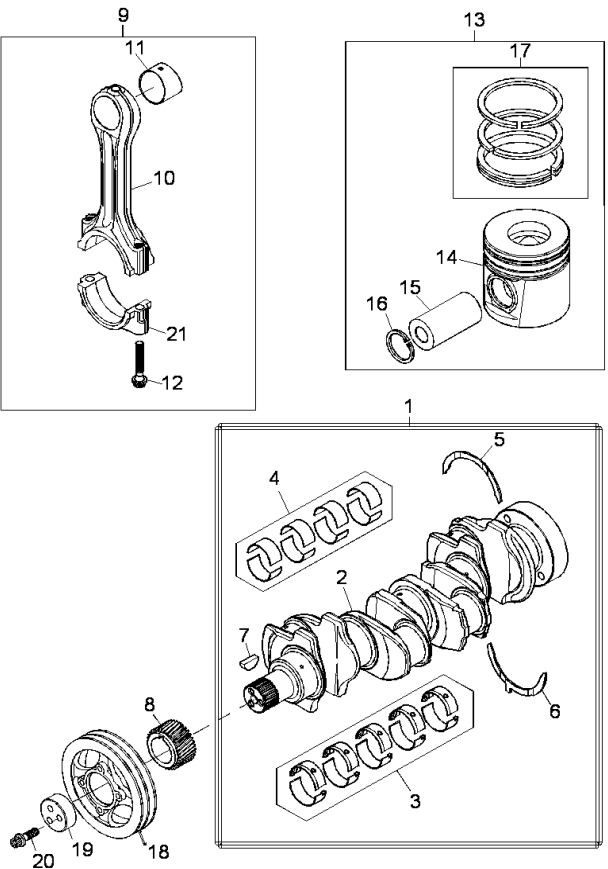


A0504

Crankshaft, pistons and connecting rods

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Inglese

12	3212V003	!	9	2	Screw
		➡	U056074 t		
12	T400001	!	9	2	Screw
		➡	U056075 t		
13	U5PR0063			4	Kit
14		!	13	1	Piston
		📦	Ref.n.13		
15		!	13	1	Pin
		📦	Ref.n.13		
16	2721332	!	13	2	Ring
17	UPRK0003	!	13	1	Kit
		(X)	1.2.5.		
		T-A	17:0		
18	3115A141	➡	U056075 t	1	Pulley
18	3115T051	➡	U056074 t	1	Pulley
		T-A	2:0		
19	3241N001	➡	U056074 t	1	Block
		T-A	2:0		
20	32186137	➡	U056074 t	3	Screw
20	32186146	➡	U056075 t	1	Bolt
21		!	9	1	Cover
		📦	Ref.n.9		

- ! This is a component of an assembly
- ➡ From serial or engine number
- ➡ Up to serial or engine number
- 📦 Not serviced, order
- ⚡ Shim

Engine

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04

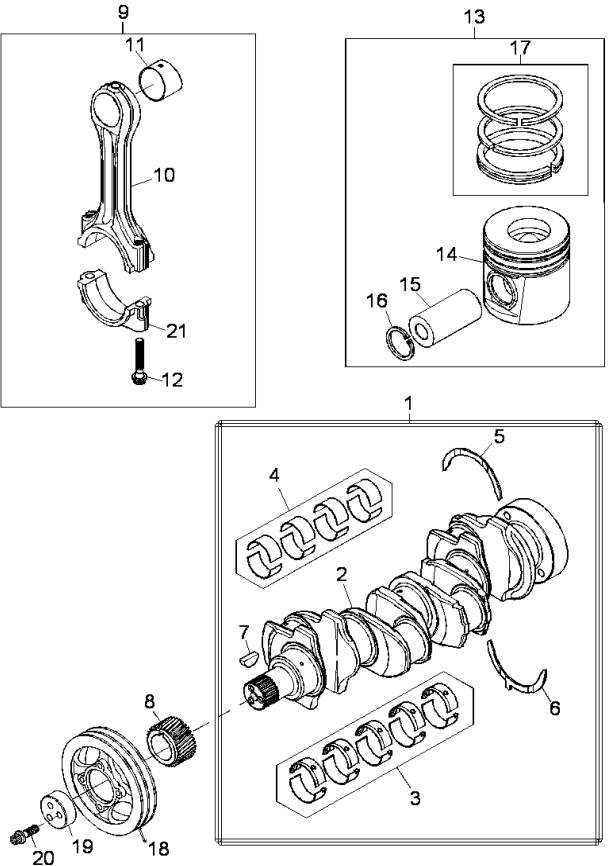
Crankshaft, pistons and connecting rods

V Series Cab Tier 3 New Generation (2007-2009) - RP04 -
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A0504

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- Replacement
- (X) Qty per tractors sold (aa.bbb.ccc.ddd) (aa) for 1,(bbb) 2-10 (ccc) 11-25 (ddd) 26-50
- T-A Replacement
- A Blue
- B Purple
- C Green
- D White
- E Orange
- F Red

Engine

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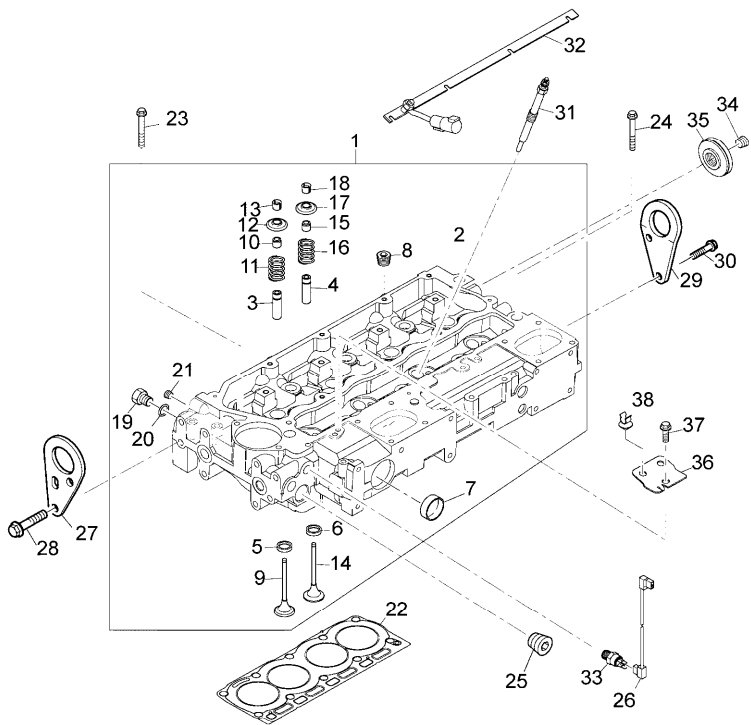
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A-05
05



A0505

Cylinder head



1 ZZ80281

2

3 3313A012

4 3313A012

5 3314A221

6 3314A231

7 32416117

8 0650588

9 3142H101

10 2418M519

11 3174A031

12 3342A021

13 2714A002

14 3142A171

15 2418M517

16 3174A031

17 3342A021

!



Ref.n.1

!

T-A 7:50

!

T-A 7:50

!

!

!

T-A 1:0

!

T-A 0:50

!

!

A

!

T417479(4)

!

!

!

!

B

!

T417479(4)

!

Inglese

1 Cylinder head

1 Head

4 Insert

4 Insert

4 Insert

4 Insert

2 Plug

4 Plug

4 Valve

4 Ring

4 Spring

4 Coperch.

8 Collar

4 Valve

4 Ring

4 Spring

4 Coperch.

Engine

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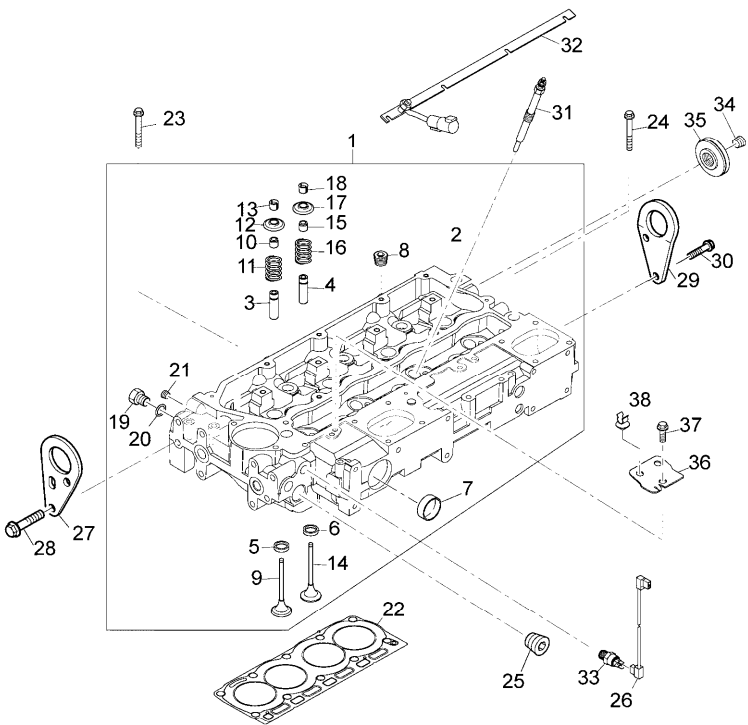
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05



A0505

Cylinder head



18 2714A002 ! 33

19 3278A006 ! 33

20 2415H003 ! 33

21 2431154 ! 33

22 3681E051

23 3218A011

24 3218A012

25 2431154

26 3161C017

27 3617A015

28 2314J002

29 3647A007

30 2314J002

31 2666A016 T-A 0:75

32 3161C054  T409642(1)

33 2848A123 C

T-A 0:25

34 2431154

35 3342A701

36 3653A017

37 2314H002

38 2481D456

! This is a component of an assembly

 Not serviced, order

 Replacement

Inglese

8 Collar

1 Plug

1 Ring

1 Plug

1 Gasket

7 Screw

3 Screw

1 Plug

1 Cable

1 Stirrup

2 Screw

1 Stirrup

2 Screw

4 Spark plug

1 Bar

1 Sensor

1 Plug

1 Connection

1 Stirrup

1 Screw

1 Clip

Engine

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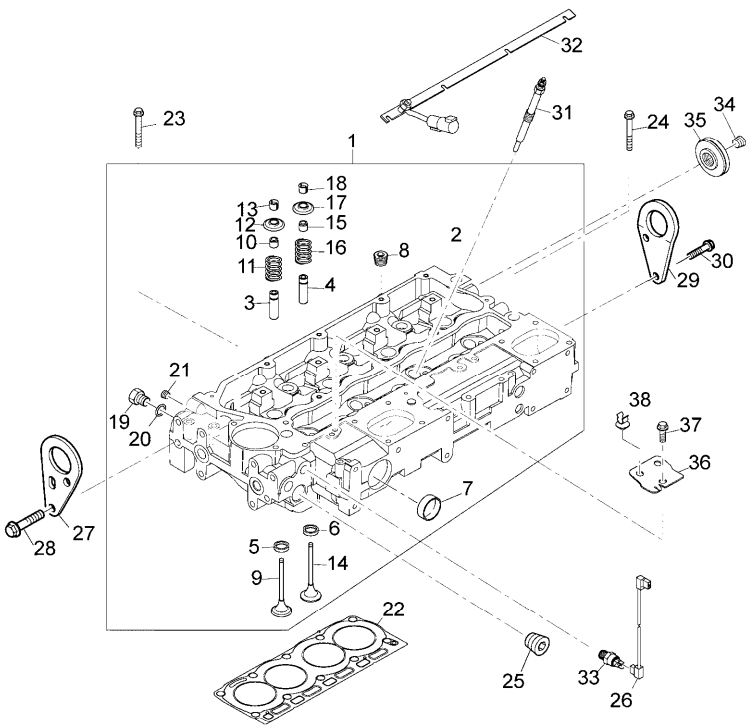
A-05
05



A0505

Cylinder head

- T-A Replacement
- A Green
- B Brown
- C Water temperature



Engine

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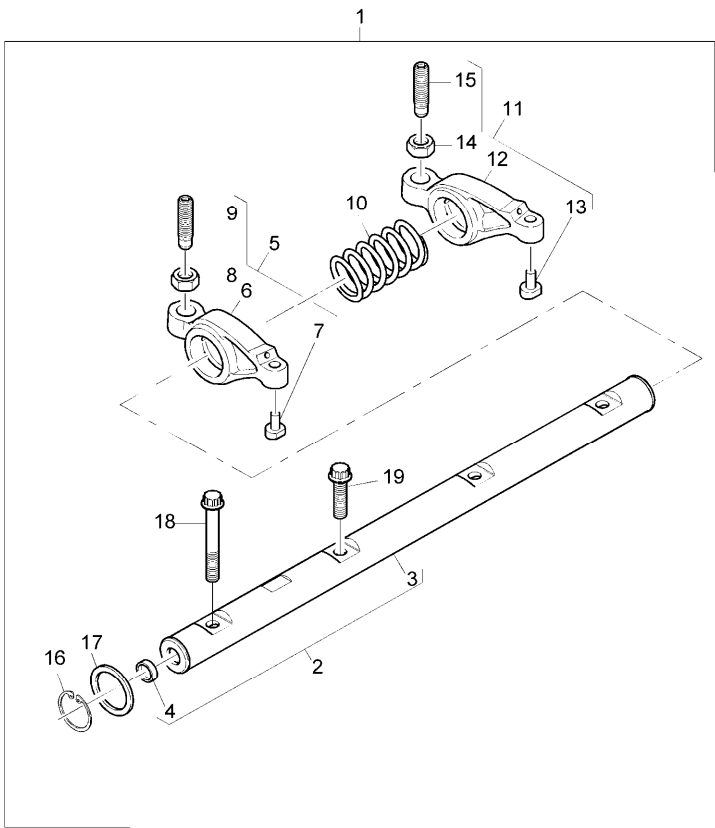
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A-05
06



A0506

Rocker shaft



Inglese

1	4115R613		1	Axle
2	4115R703	!	1	Shaft
		T-A	4:0	
3		!	2	Shaft
		➡	Ref.n.2	
4	2485A104	!	2	Plug
		T-A	4:0	
5	4115R319	!	1	Lever
6		!	5	Rocker
		➡	Ref.n.5	
7		!	5	Shim
		➡	Ref.n.5	
8	3331A006	!	5	Nut
9	3211C004	!	5	Screw
10	3174A015	!	1	Spring
		T-A	4:0	
11	4115R318	!	1	Lever
12		!	11	Rocker
		➡	Ref.n.11	
13		!	11	Shim
		➡	Ref.n.11	
14	3331A006	!	11	Nut
15	3211C004	!	1	Screw
16	2722A022	!	1	Ring
17	2134A502	!	1	Washer
		T-A	4:0	

Engine

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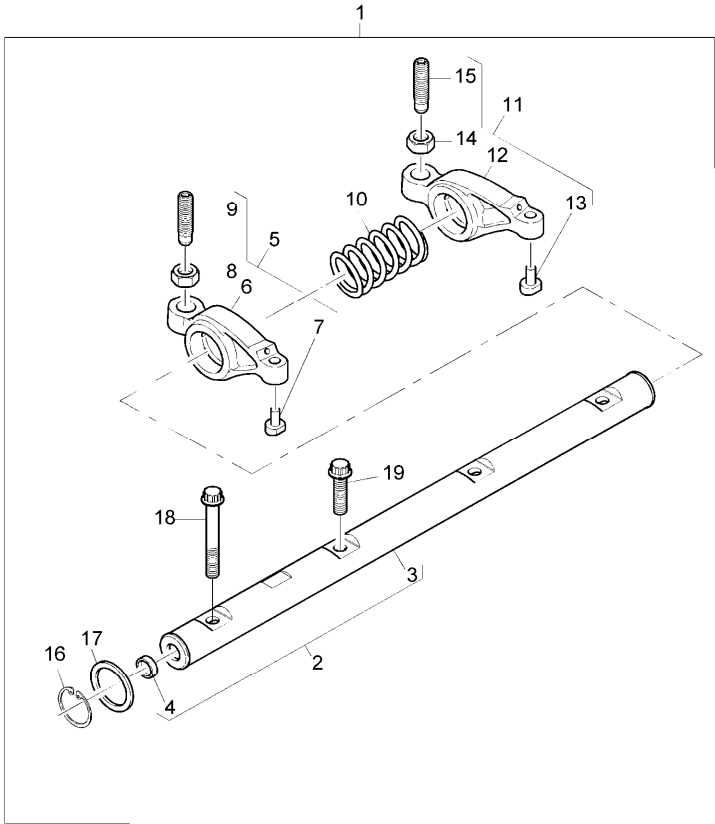
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A-05
06



A0506

Rocker shaft



Inglese

18 2316A901 ! 1

19 2316A902 ! 1

! This is a component of an assembly

Not serviced, order

T-A Replacement

1 Screw

3 Screw

Engine

V Series Cab Tier 3 New Generation (2007-2009) - RP04 - 80

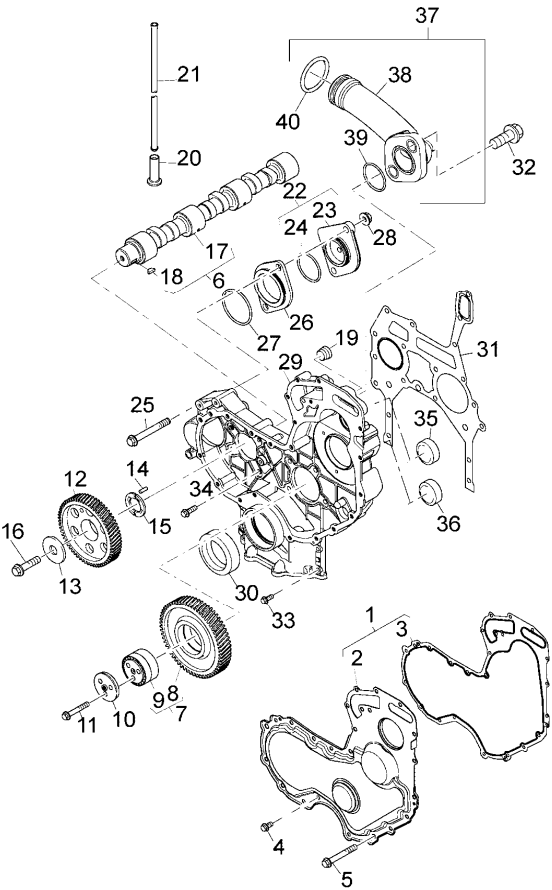
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A-05
07



A0507

Timing gear and camshaft



1	4142A503	T-A	4:50
2		!	31
		➡	Ref.n.1
3	3681P046	!	31
		(X)	0.1.3.
		T-A	4:50
4	2314H002		
5	2314H012		
6	4112K074		
7	4111A042	●	4111A048(1)
		T-A	4:75
8		!	7
		➡	Ref.n.7
9		!	7
		➡	Ref.n.7
10	3321A012	!	7
		T-A	4:75
11	2314J012		
12	3117L272	T-A	4:75
13	3321A003	T-A	4:75
14	2116053		
15	3112X011	T-A	4:75
16	2314J606		
17		!	6
		➡	Ref.n.6

Inglese

1	Kit
1	Overlay
1	Gasket
9	Screw
5	Screw
1	Shaft
1	Gear
1	Gear
1	Hub
1	Plate
3	Screw
1	Gear
1	Washer
1	Pin
1	Washer
1	Screw
1	Shaft

Engine

V Series Cab Tier 3 New Generation (2007-2009) - RP04 - 80

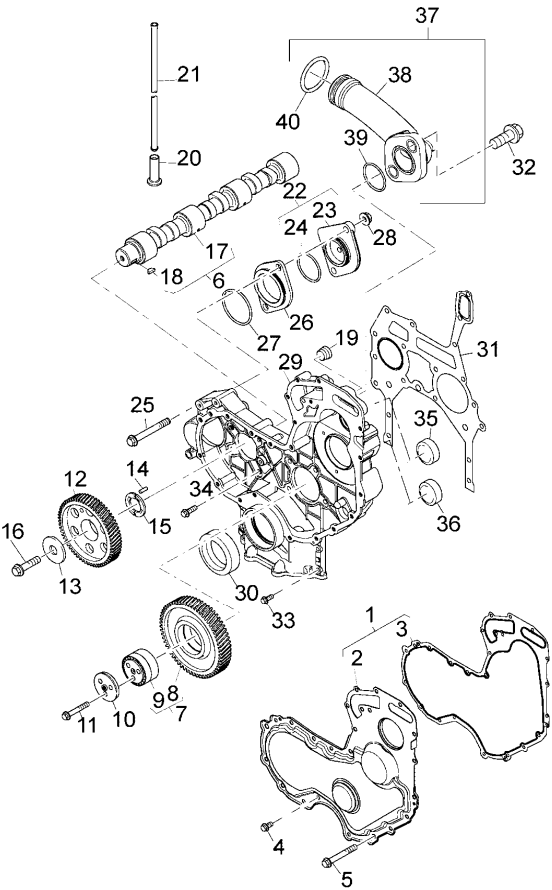
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A-05
07



A0507

Timing gear and camshaft



18	0500012	!	6
19	2431154		
20	3142U061		
21	3142V011		
22	4148K012	T-A	4:75
23		!	22
		➡	Ref.n.22
24	2415H515	T-A	4:75
25	2314J014		
26	3617a044	T-A	4:75
27	2415H516	T-A	4:75
28	2318A604		
29	3716C581	T-A	4:75
30	2418F437	(X)	0.1.3.
		T-A	4:75
31	3681P053	T-A	4:75
32	2314H003		
33	2314H003		
34	2314H034		
35	2485A124		
36	2485A118		
37	4133L048		
38		!	37
		➡	Ref.n.37

Inglese

1	Key
1	Plug
8	Tappet
8	Rod
1	Plate
1	Plate
1	Ring
2	Screw
1	Disc
1	Ring
2	Nut
1	Housing
1	Seal
1	Gasket
2	Screw
8	Screw
4	Screw
1	Plug
1	Plug
1	Connection
1	Connection

Engine

V Series Cab Tier 3 New Generation (2007-2009) - RP04 - 80

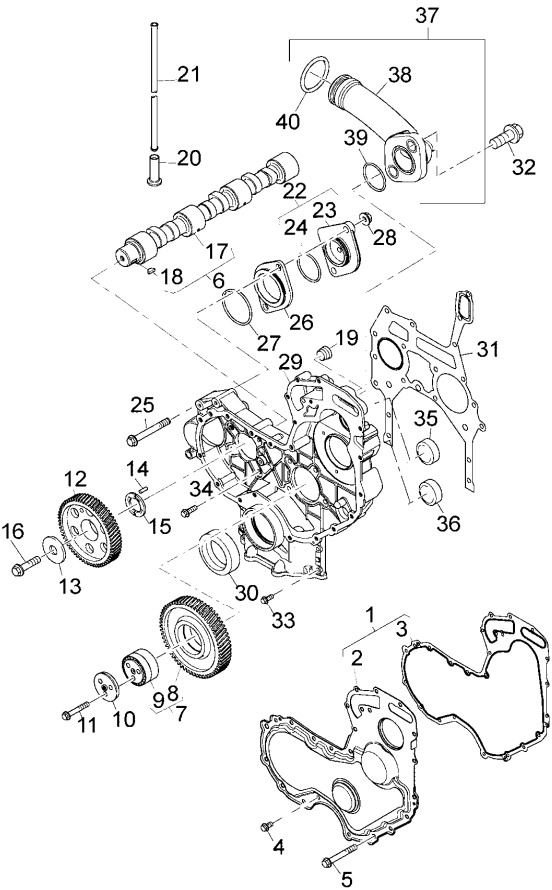
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A-05
07



A0507

Timing gear and camshaft



Inglese

39	2418F001	!	37	1	Ring
		T-A	4:75		
40	2418F002	!	37	1	Ring
		T-A	4:75		

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Not serviced, order
Replacement
(X) Qty per tractors sold (aa.bbb.ccc.ddd) (aa) for 1,(bbb) 2-10 (ccc) 11-25 (ddd) 26-50
T-A Replacement

Engine

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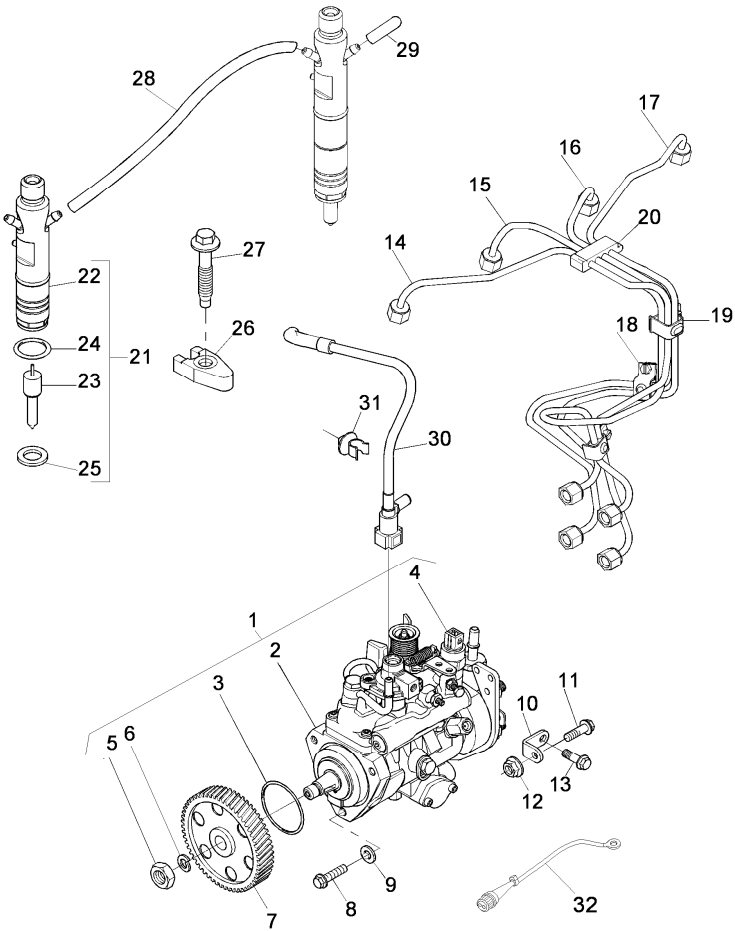
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A-05
08



A0508

Fuel injection equipment (diesel)



1 2644C319/22

2 ! 1



Ref.n.1

3 26420318 ! 1

4 26420469 ! 1

5 2318A108 ! 1

6 K134AF01 ! 1

7 3117L261

8 2314H004

9 2411D008

10 3641A007

11 2314H003

12 2318A603

13 2314J002

14 3525A101

15 3525A102

16 3525A103

17 3525A104

18 2481Y011

19 2481Y012

20 2646E019

21 2645K027

22 !



Ref.n.21

21

Inglese

1 Pump

1 Pump

1 Ring

1 Solenoid

1 Nut

1 Washer

1 Gear

3 Screw

6 Washer

1 Stirrup

1 Screw

1 Nut

1 Screw

1 Pipe

1 Pipe

1 Pipe

1 Pipe

2 Clip

1 Clip

1 Clip

1 Nozzle

1 Nozzle

Engine

V Series Cab Tier 3 New Generation (2007-2009) - RP04 - 80

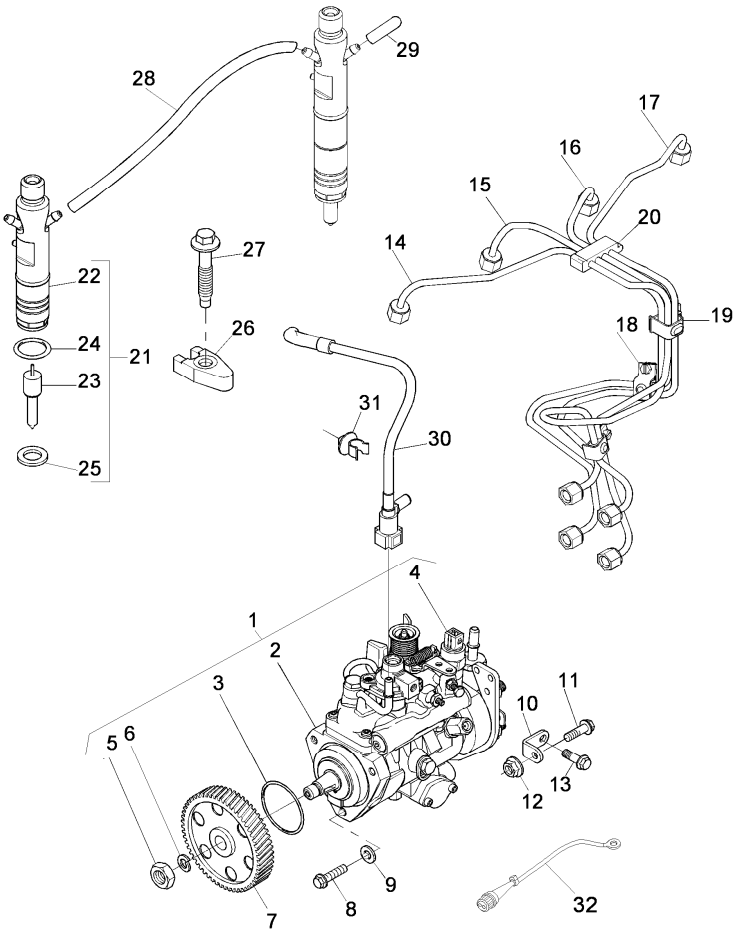
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A-05
08



A0508

Fuel injection equipment (diesel)



23



Ref.n.21

!

21

24

26460064

!

21

25

L311FF02

!

21

26

3751A241

27

2314W009

28

2646F501

29

2646E501

30

2646F007

31

2481D456

32

3673286M91

!

This is a component of an assembly



Not serviced, order

Inglese

1

Jet

1

Ring

1

Washer

4

Clamp

4

Screw

3

Pipe

1

Cap

1

Pipe

1

Clip

1

Harness

Engine

V Series Cab Tier 3 New Generation (2007-2009) - RP04 - 80

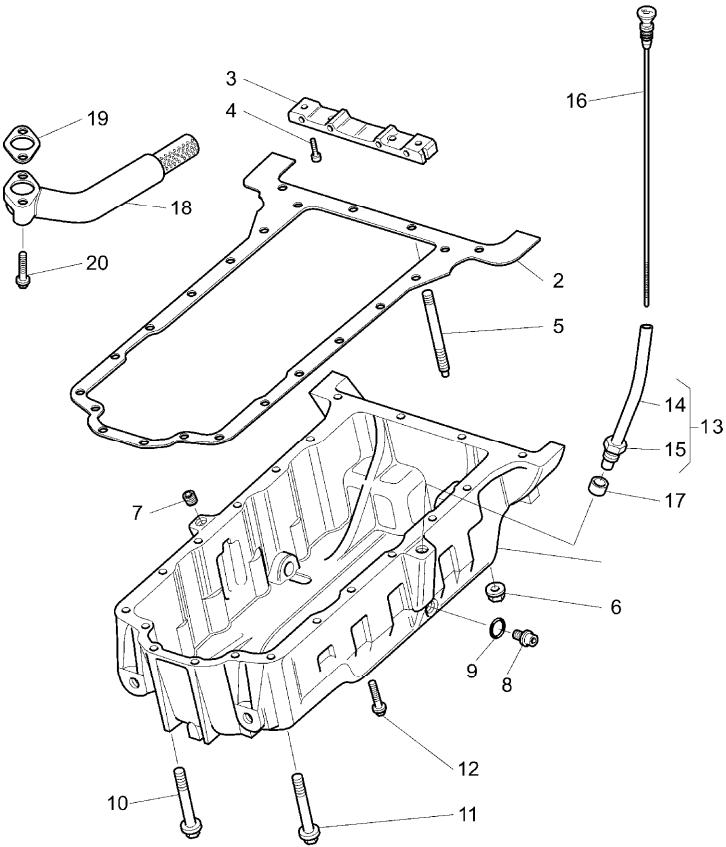
RP04\00011008.png

A-05
09



A0509

Lubricating oil sump



1	3717E271	T-A	2:0
2	3681K036	(X)	1.2.3.
		T-A	2:0
3	3627P041	T-A	2:0
4	2311D039		
5	3211P013		
6	2318A603		
7	2431A016		
8	32186405		
9	2415715		
10	2314H023		
11	2314H022	●	2314H052(1)
12	2314H015		
13	3577A159		
14		!	13
		➡	Ref. n.13
15	3353D005	!	13
16	3178C081	(X)	1.2.4.
		T-A	0:25
17	33812116	T-A	0:25
18	3765A091	T-A	2:25
19	36832137	T-A	2:25
20	2314H006		

! This is a component of an assembly
➡ Not serviced, order

Inglese

1	Crankcase
1	Gasket
1	Crosspiece
2	Screw
2	Stud
2	Nut
1	Plug
2	Plug
2	Ring
5	Screw
1	Screw
12	Screw
1	Pipe
1	Pipe
1	Nut
1	Rod
1	Olive
1	Pipe
1	Gasket
2	Screw

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