

Engine

G-MAX IVECO Tier 3 (2007-2012) - RP74 - 180

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A-05
01



A0501

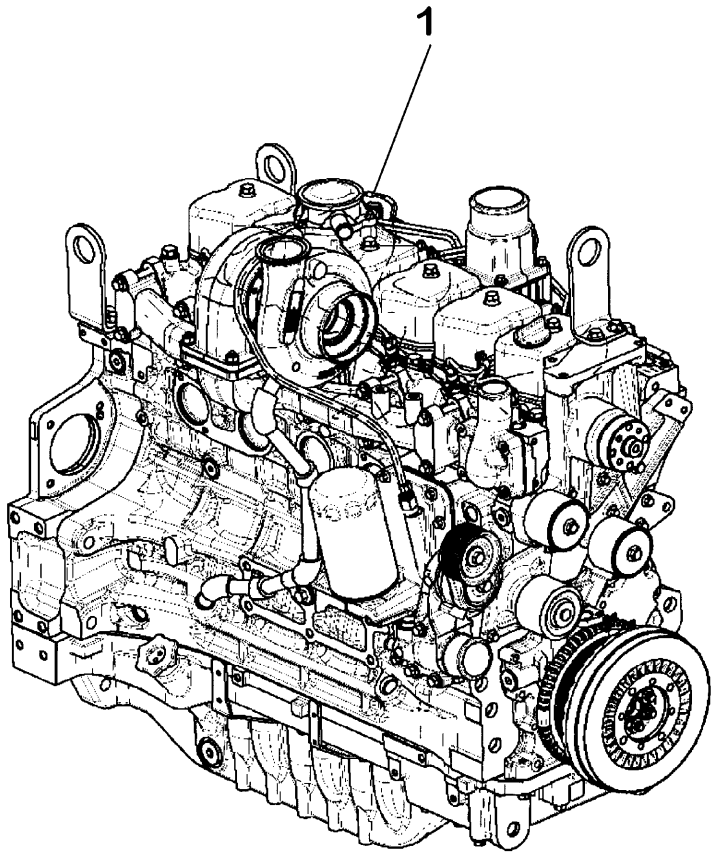
Engine assembly

Inglese

1 3691626M91

"tier 3" - 126 kw

1 Engine



Engine

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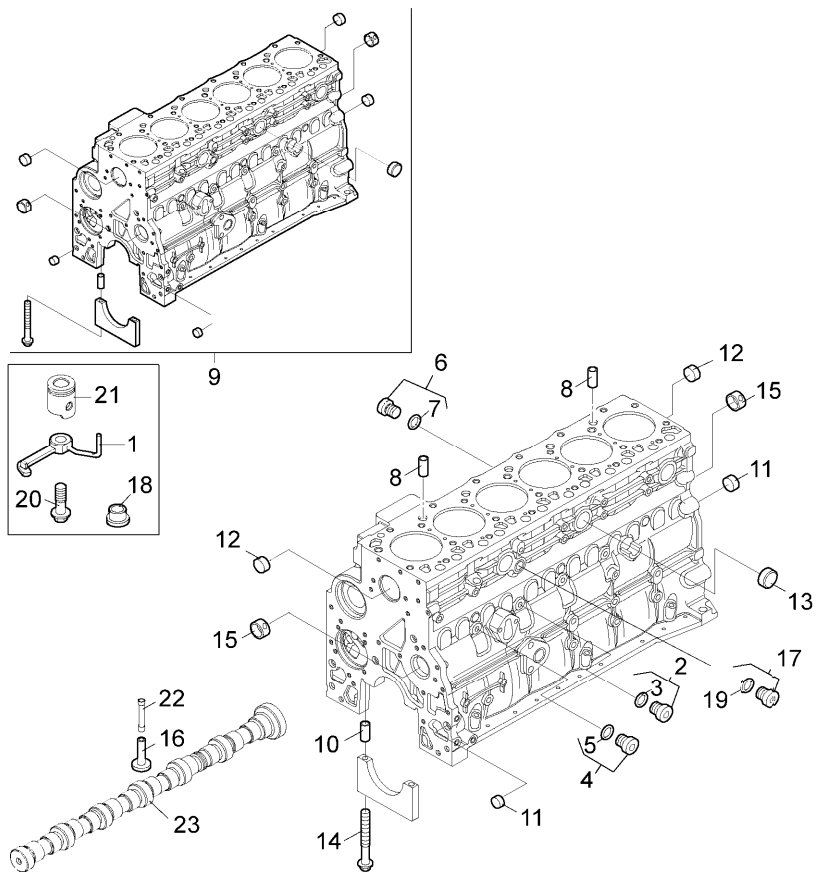
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A-05
02



A0502

Crankcase



Inglese

1	3689030M1		6 Jet
2	3689350M1	●	1 Plug M14x1,5
3	3688868M1		1 O ring
4	3688822M1	●	3 Plug M10x1
5	3688855M1		3 O ring
6	3688780M1	●	3 Plug Assy m18x1,5
7	3688781M1	●	3 O ring
8	3688761M1		2 Dowel pin
9	3688625M1		1 Crankcase
10	3688824M1	●	14 Dowel pin
11	3688758M1		2 Plug 17,73x6,35x1,07
12	3688757M1		6 Plug 58,06x8,25x1,52
13	3688775M1		3 Plug 35,23x7,94x1,52
14	3688673M1	●	14 Screw M12x120 mm
15	3688759M1		2 Bearing
16	704803A1		1 Register
17	3688800M1	●	1 Plug M16x1,5 mm assy
18	3688628M1		1 Splasher
19	3688994M1	⊗	1 Toroidal seal =2,6 mm Ø13,9 mm

Engine

G-MAX IVECO Tier 3 (2007-2012) - RP74 - 180

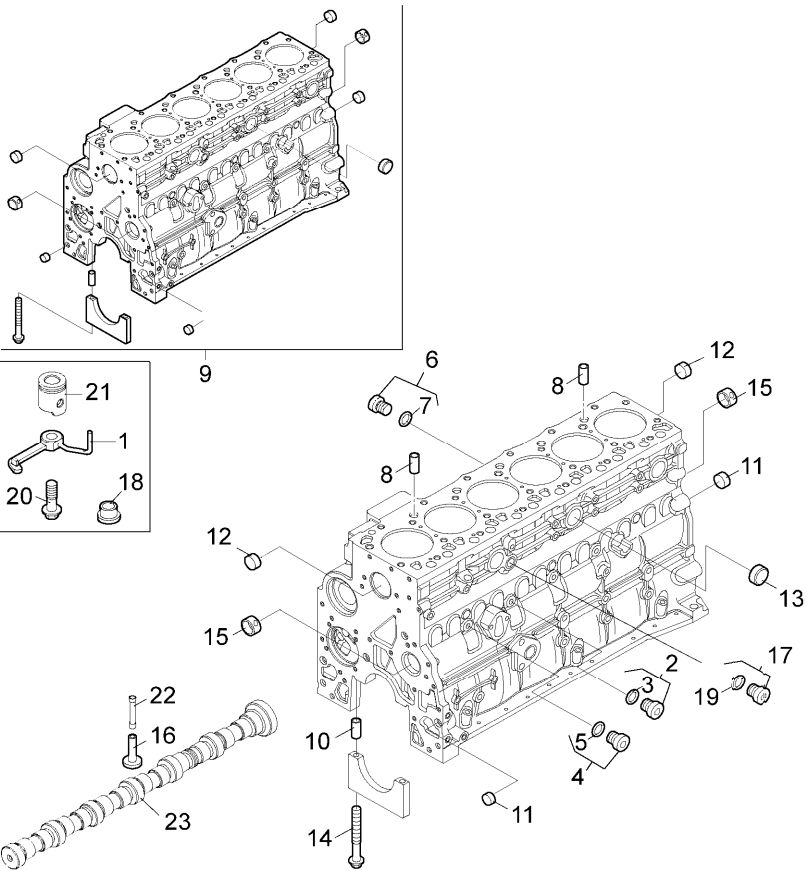
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A-05
02



A0502

Crankcase



- 20 3688692M1 M8x1,25
- 21 A-05 13 5
- 22 A-05 08 2
- 23 A-05 15 1

- See page - reference number
- Shim
- Replacement

Inglese

- 6 Filler
- 1 Piston
- 1 Rod
- 1 Camshaft

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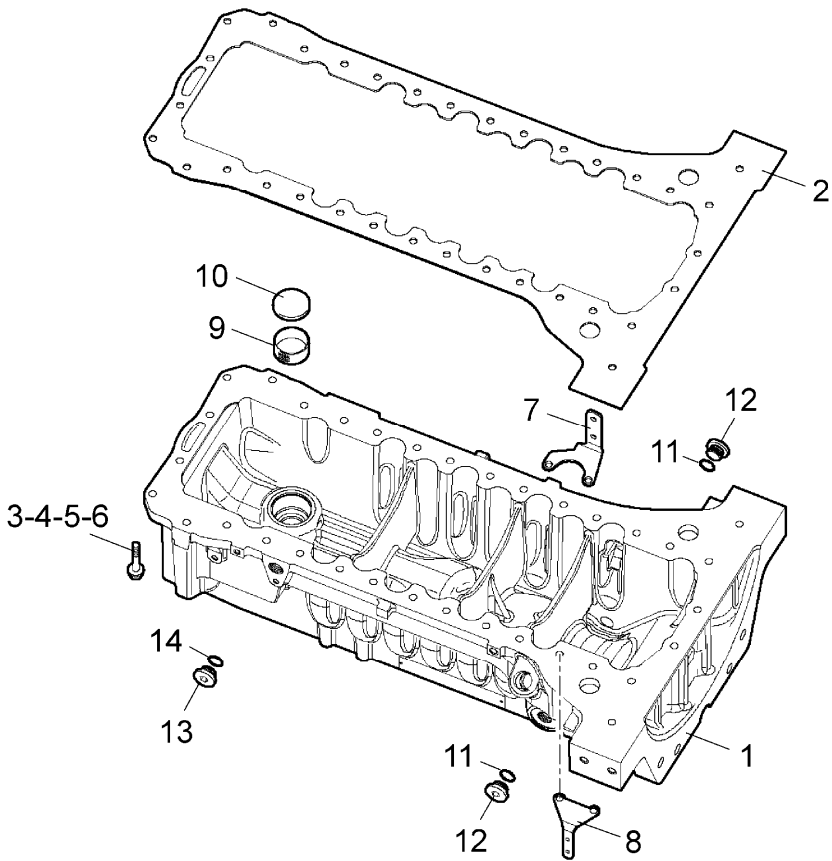
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A-05
03



A0503

Oil sump



- | | | Inglese |
|----|-----------|--------------------|
| 1 | 4208117M1 | 1 Pan |
| 2 | 3688752M1 | 1 Gasket |
| 3 | 3688778M1 | 2 Screw |
| 4 | 3688679M1 | M10x90 mm 24 Screw |
| 5 | 4208118M1 | 6 Screw |
| 6 | 3688678M1 | M10x190 mm 2 Screw |
| 7 | 4208119M1 | 1 Stirrup |
| 8 | 4208120M1 | 2 Stirrup |
| 9 | 3688803M1 | 1 Filter |
| 10 | 3688804M1 | 1 Plug |
| 11 | 3688997M1 | 2 O ring |
| 12 | 3688691M1 | M22x1,5 2 Plug |
| 13 | 4208121M1 | 1 Plug |
| 14 | 4208122M1 | =1,5 mm 1 Gasket |

=1,5 mm
 6528826M1(1)
 Ø18x26 mm

Shim
 Replacement

Engine

G-MAX IVECO Tier 3 (2007-2012) - RP74 - 180

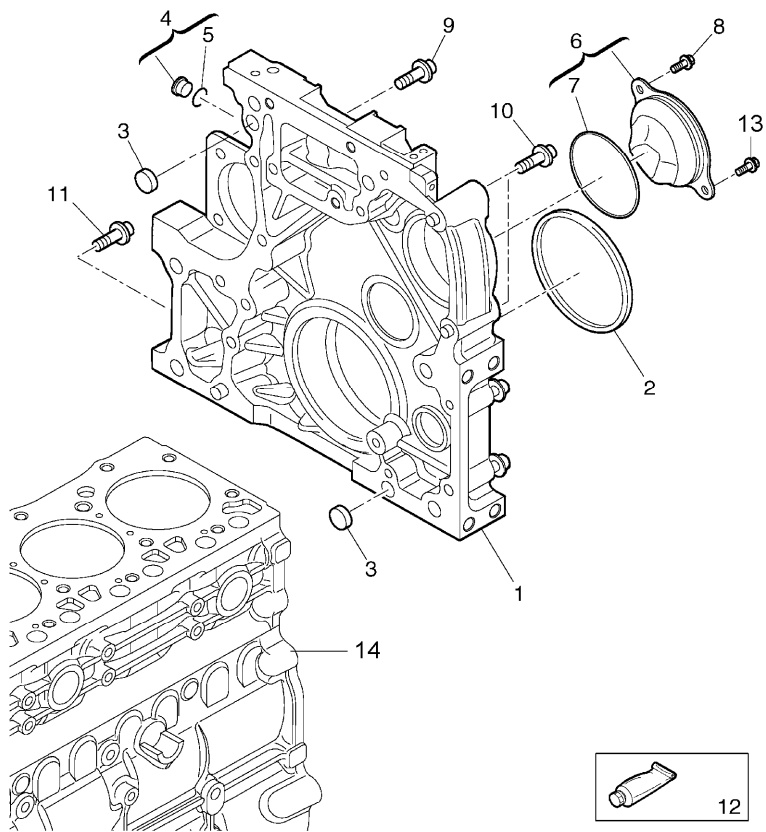
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**A-05
04**



A0504

Crankcase covers



		Inglese
1	4206380M1	1 Coperch.
2	3688647M1 ● 6514306M1(1) 130x155x12,5	1 Ring
3	3688753M1	2 Screw
4	3688780M1 ● 704848A1(1) M18x1,5	1 Plug
5	3688781M1 ● 707405A1(1)	1 O ring
6	4208123M1	1 Coperch.
7	3689092M1	1 O ring
8	3688941M1 ● 710625A1(1) M8x1,25x20 mm	1 Screw
9	3688874M1 M16x1,5	1 Screw
10	3688671M1 M12x1,75	15 Screw
11	3688869M1	2 Screw
12	3688632M1 ● 3688632M2(1)	1 Adhesive
13	4208124M1 M8x1,25x23 mm	1 Screw
14	⦿ A-05 02 9	Crankcase
⦿	See page - reference number	
●	Replacement	

Engine

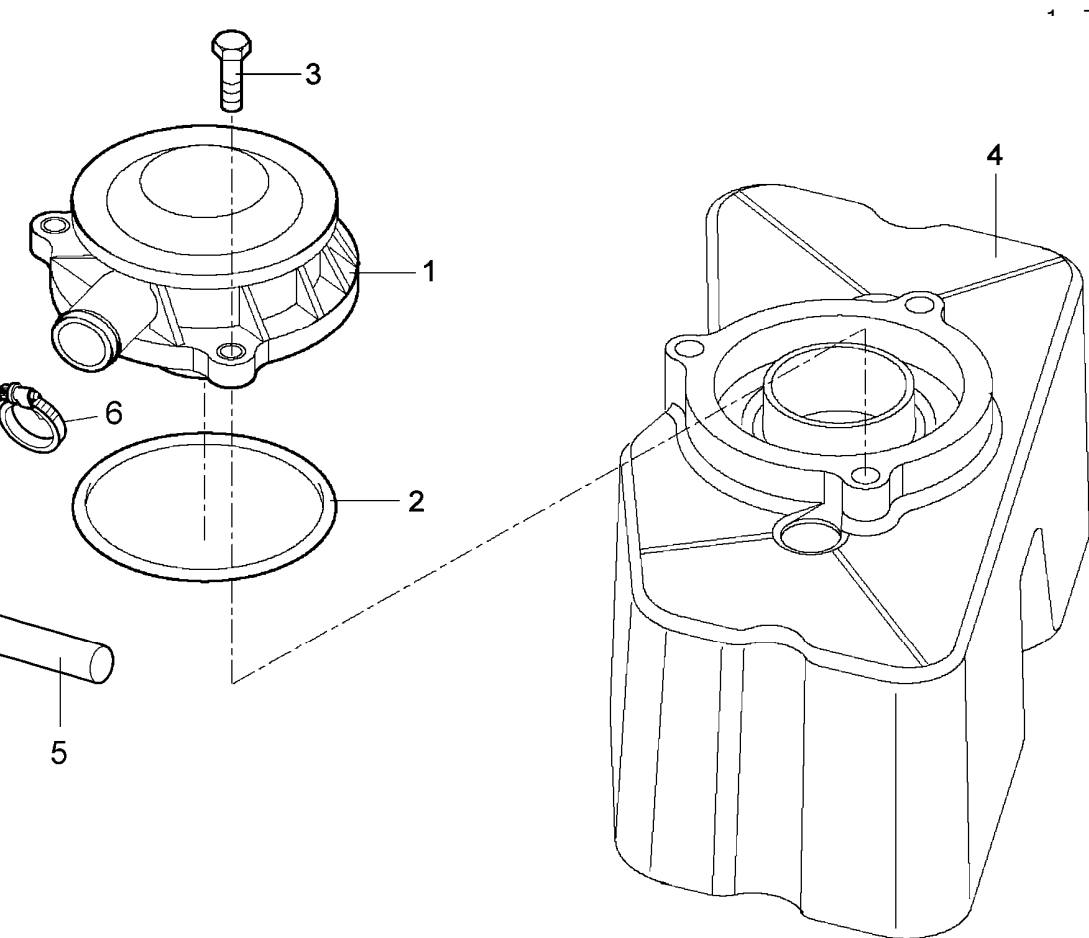
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A-05
05
A0505



Engine breathers



- 1 707434A1
- 7435A1
- 38866M1 ● 705021A1(3)
- ◁ A-05 07 7
- 34643M1
- 51942M1
- see page - reference number
- replacement

- Inglese
- 1 Valve
 - 1 Gasket
 - 3 Screw
 - 1 Cover
 - 1 Pipe
 - 1 Clamp

Engine

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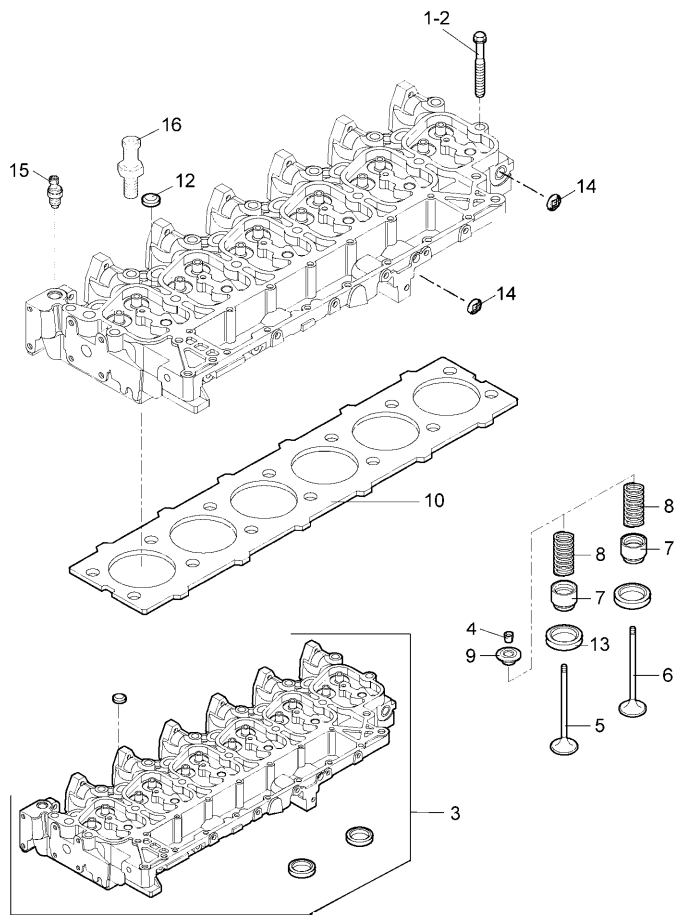
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A-05
06



A0506

Head cylinder



		Inglese
1	704717A1	6 Screw
2	707390A1	14 Screw
3	704877A1	1 Head
4	704804A1	24 Half cone
5	704807A1	6 Valve
6	704806A1	6 Valve
7	704836A1	12 Cap
8	704821A1	12 Spring
9	704805A1	12 Cup
10	704652A1	1 Gasket
	▲ 1,15 mm	
	⌋ 707379a1	
10	707379A1	1 Gasket
	● N.L.S.(1)	
	▲ =1,25 mm	
	⌋ 704652a1	
11	704922A1	6 Valve seat
12	704802A1	3 Plug
13	704921A1	Valve seat
15	4217672M1	1 Sensor
	⊕ D-00 04 5	
	A	
	B	
15	705080A1	1 Transmitter
	● 4217672M1(1)	
	A	
16	705133A1	1 Union

⊕ See page - reference number
⌋ Alternative

Engine

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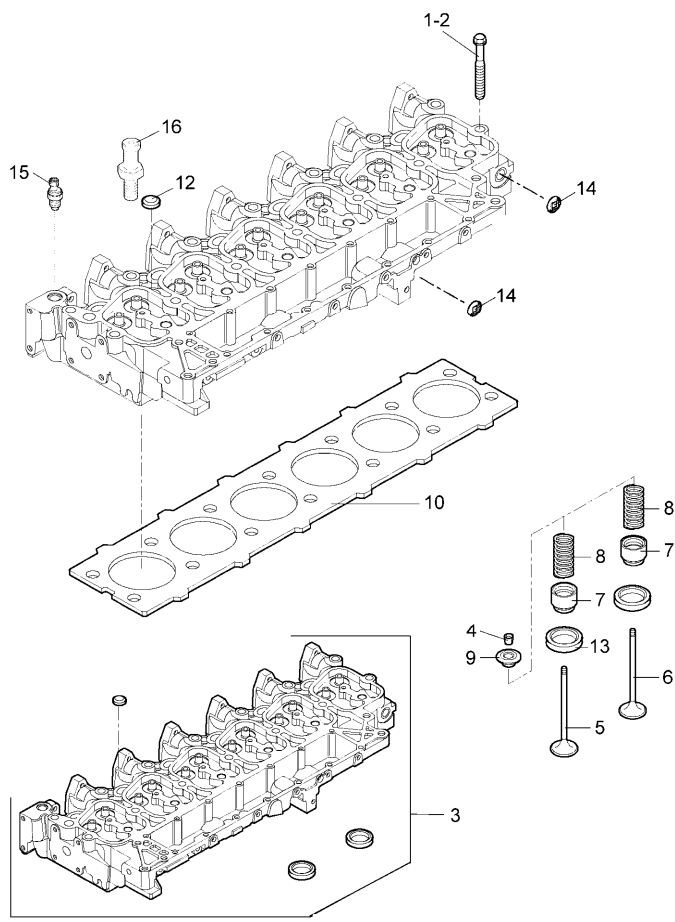
A-05
06



A0506

Head cylinder

- ✕ Shim
- Replacement
- A Engine water temperature
- B For markets climi freddi



Engine

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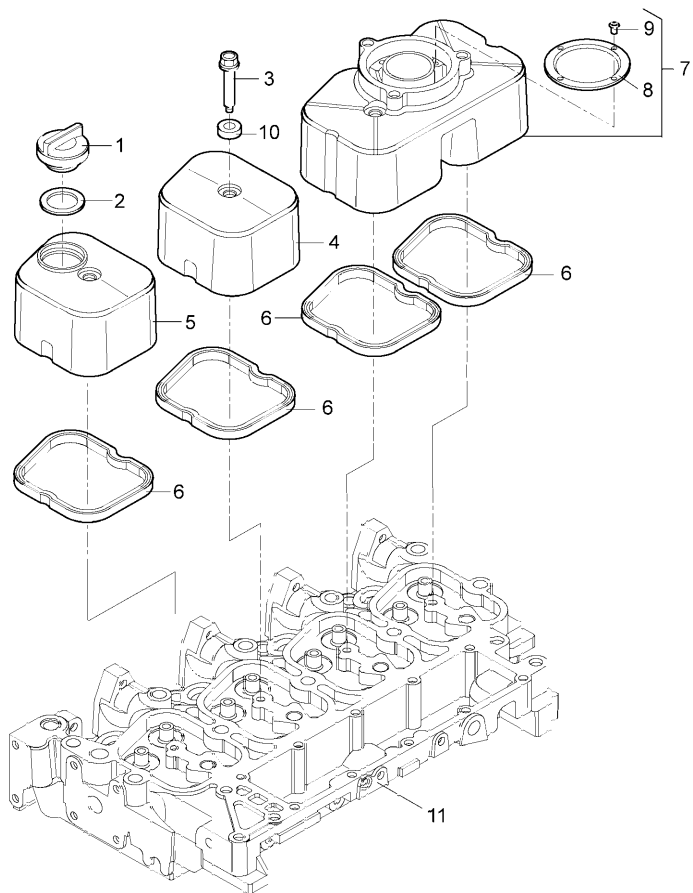
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A-05
07



A0507

Cylinder head cover



- 1 4208125M1
- 2 4208126M1
- 3 704820A1 M8x1,25
- 4 705188A1
- 5 4208127M1
- 6 705147A1
- 7 704650A1
- 8 707378A1
- 9 704576A1
- 10 707403A1
- 11 A-05 06 3

See page - reference number

Inglese

- 1 Plug
- 1 Gasket
- 6 Screw
- 3 Coperch.
- 1 Coperch.
- 6 Gasket
- 1 Cover
- 1 Ring
- 4 Screw
- 6 Ring
- Head

Engine

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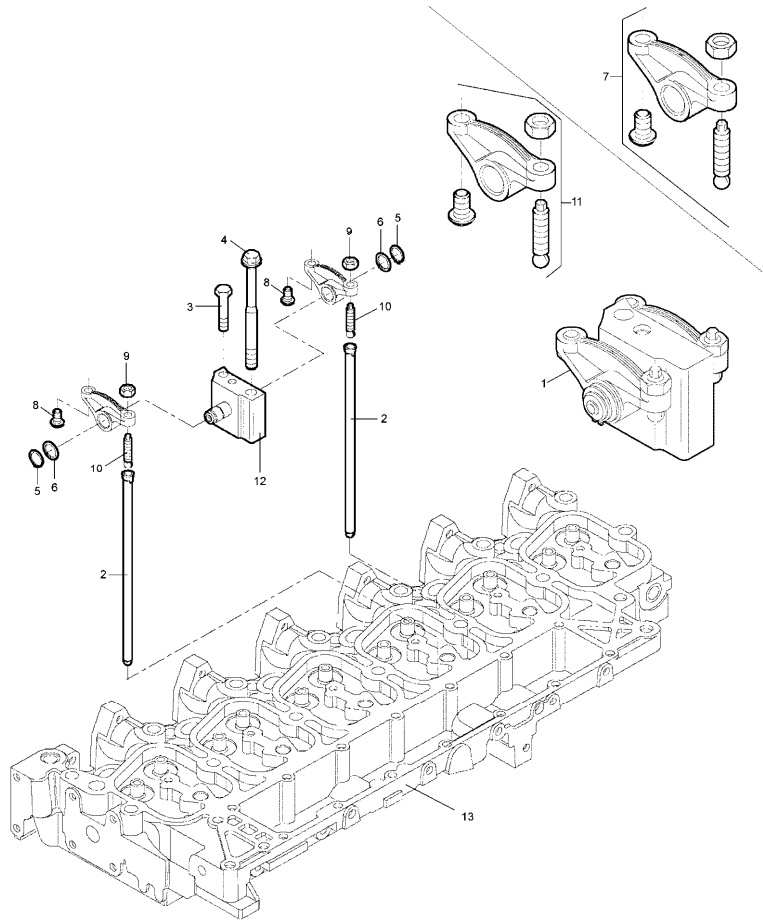
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A-05
08



A0508

Rocker arm



- | | | | | | |
|-----|-----------------------------|---------------|---------------|----|----------|
| 1 | 704809A1 | | | | |
| 2 | 704841A1 | | | | |
| 3 | 4208128M1 | M8x1,25x60 mm | | 6 | Screw |
| 4 | 704716A1 | M12x1,75 | | 6 | Screw |
| 5 | 704843A1 | | | 12 | Ring |
| 6 | 704844A1 | | | 12 | Washer |
| 7 | 704810A1 | | | 6 | Rocker |
| 8 | 704845A1 | | | 12 | Ball pin |
| 9 | 704812A1 | | | 12 | Nut |
| 10 | 704813A1 | | | 12 | Screw |
| 11 | 704814A1 | | | 6 | Rocker |
| 12 | 704816A1 | | | 6 | Support |
| 13 | | | < > A-05 06 3 | | Head |
| < > | See page - reference number | | | | |

Inglese

Engine

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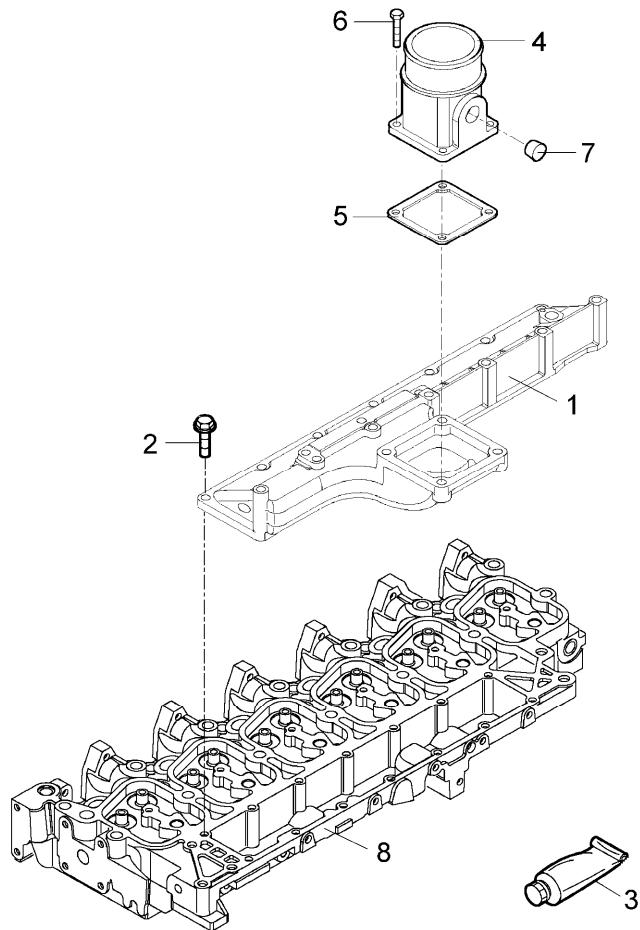
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A-05
09



A0509

Induction manifold




			Inglese
1	705187A1		1 Cover
2	3688850M1	M8x1,25x25 mm	10 Screw
3	3688633M1	● 6500933M1(1)	1 Adhesive
4	4208129M1		1 Duct
5	705061A1	● 6500220M1(1)	1 Gasket
6	3688850M1	M8x1,25x25 mm	4 Screw
7	3688683M1		1 Plug
8		◁ A-05 06 3	Head
◁	See page - reference number		
●	Replacement		

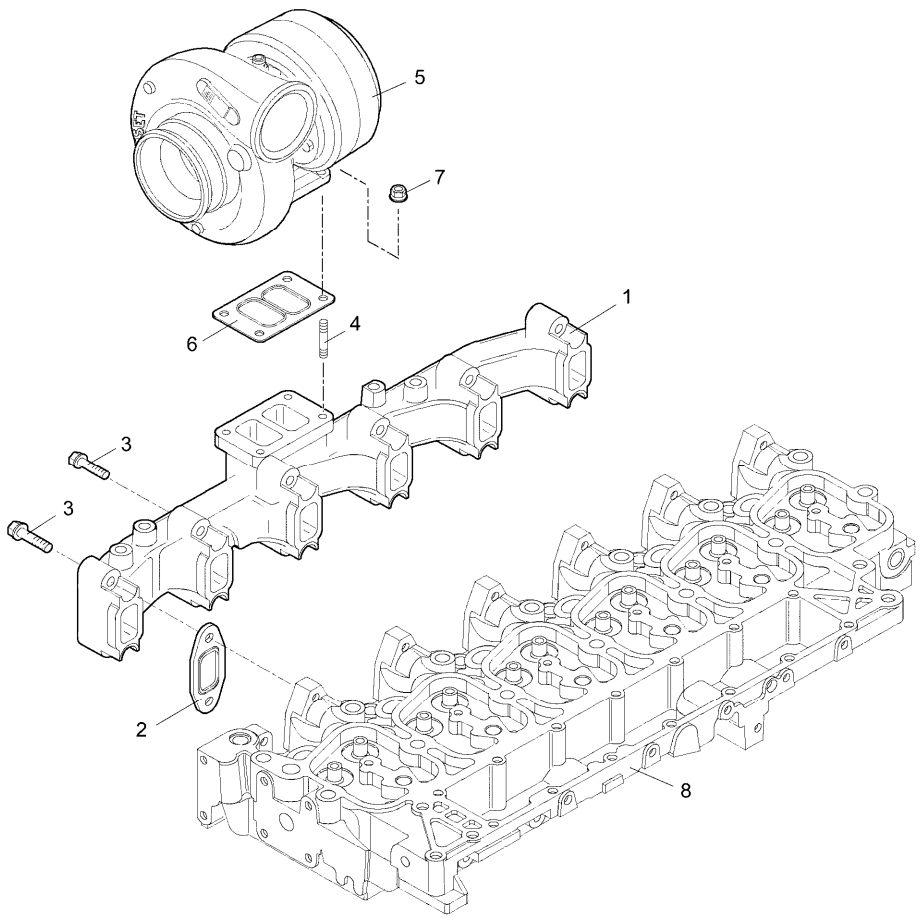
Engine



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A-05
10
 A0510



Exhaust manifold



- 1 705199A1
- 2 705273A1
- 3 3688774M2 M10x1,5x65 mm
- 4 3688861M1  705008A1(4) M10x1,5
- 5 708801A1
- 6 3688770M1
- 7 3688862M1 M10x1,5
- 8  A-05 06 3

Inglese

- 1 Collet
- 6 Gasket
- 12 Worm
- 4 Screw
- 1 Turbocharger
- 1 Gasket
- 4 Nut
- Head

 See page - reference number
 Replacement

Engine

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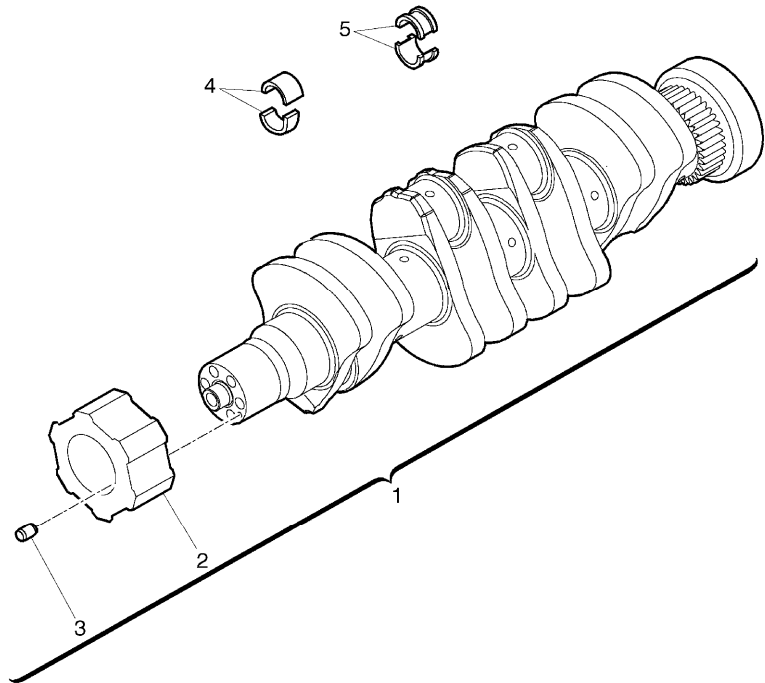
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A-05
11



A0511

Crankshaft



			Inglese
1	3688630M1	● 3688630M2(1)	1 Shaft
2	4206387M1		1 Bushing
3	3688851M1	● 704992A1(1)	1 Screw
4	3688637M1	Std.	6 Cuscinet
4	3688638M1	-0.250	6 Cuscinet
4	3688639M1	-0.500	6 Cuscinet
5	3688634M1	Std.	1 Cuscinet
5	3688635M1	-0.250	1 Bearing
5	3688636M1	-0.500	1 Cuscinet
●	Replacement		

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G-MAX IVECO Tier 3 (2007-2012) - RP74 - 180

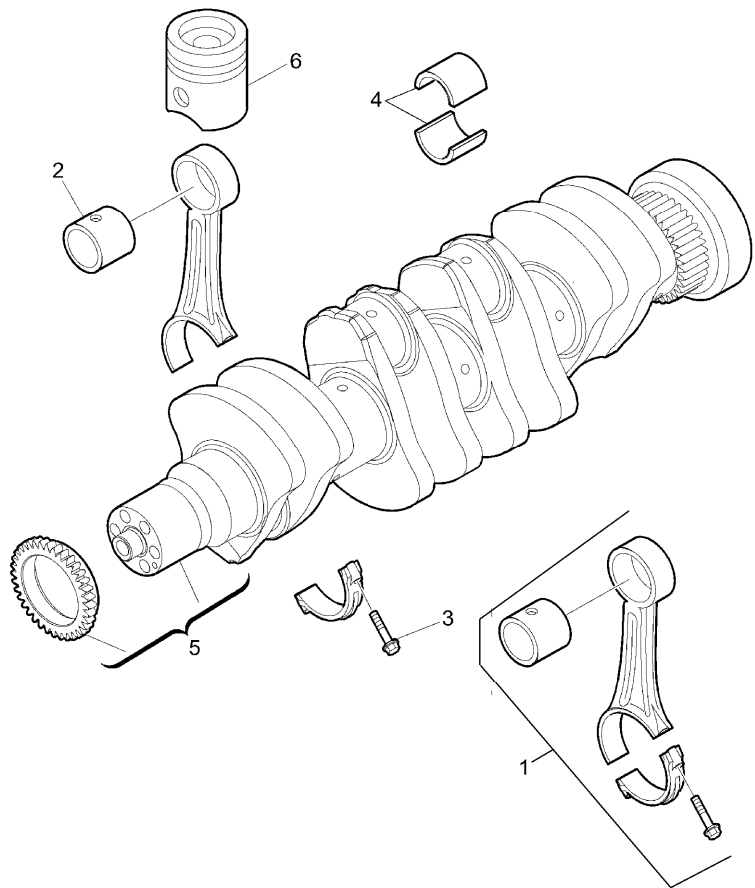
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A-05
12



A0512

Crank shaft - connecting rods



Inglese

- | | | | | |
|-------------------------------|-----------|-------------|----|----------|
| 1 | 3688624M1 | | 6 | Conrod |
| 2 | 3688675M1 | | 6 | Bush |
| 3 | 3688623M1 | | 12 | Screw |
| 4 | 3688880M1 | Std | 6 | Cuscinet |
| 4 | 4206388M1 | -o,250 | 6 | Cuscinet |
| 4 | 4206389M1 | -0,500 | 6 | Cuscinet |
| 5 | | ↔ A-05 11 1 | 1 | Shaft |
| 6 | | ↔ A-05 13 5 | 6 | Piston |
| ↔ See page - reference number | | | | |

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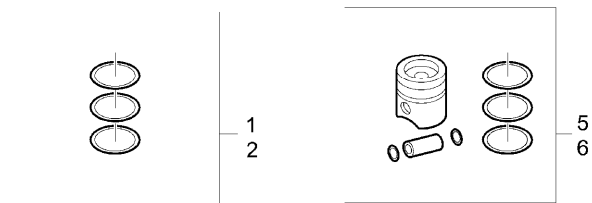
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13**



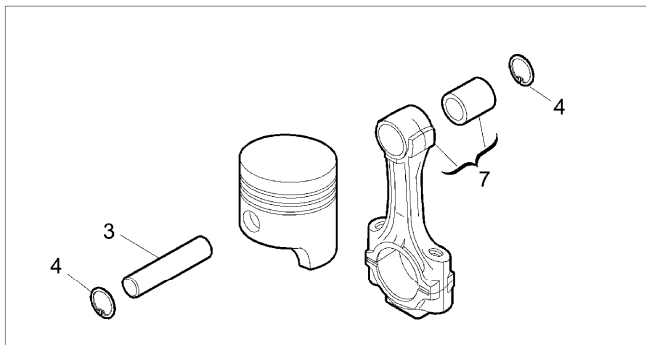
A0513

Piston assay piston rings - piston complete



				Inglese
1	706290A1	●	3688921M1(1)	6 Kit
2	707354A1	✕	+0,4	6 Kit
		●	713981A1(6)	
3	3688676M1			6 Pin
4	3689087M1			12 Ring
5	4208130M1			6 Piston
6	4208156M1	✕	+0,4	6 Piston
7		◁▷	A-05 12 1	6 Conrod

- ◁▷ See page - reference number
- ✕ Shim
- Replacement



Engine

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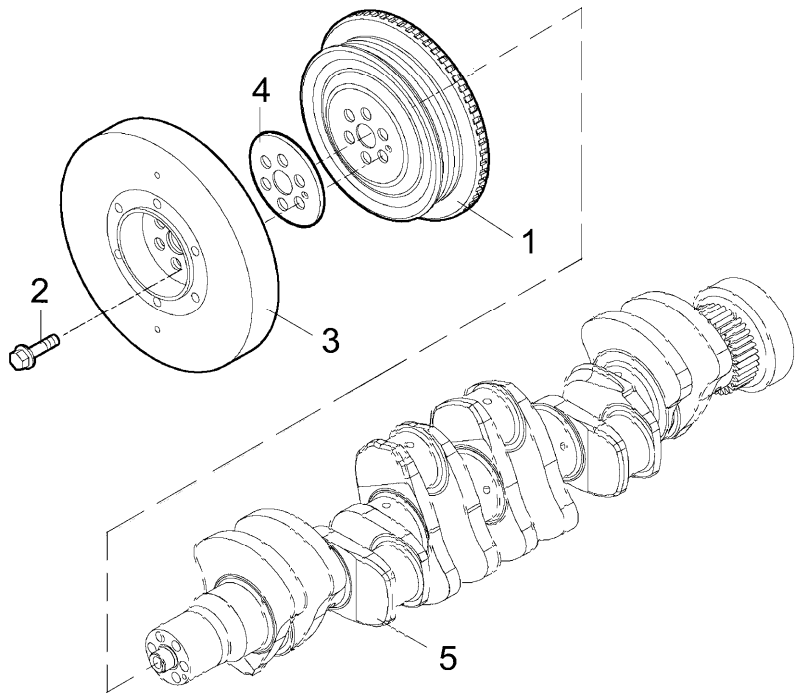
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A-05
14



A0514

Vibration damper



Inglese

- | | | | | |
|---|-----------|----------------|---|------------------|
| 1 | 3689094M1 | | 1 | Pulley |
| 2 | 3688681M1 | M12x1,5 | 6 | Screw |
| 3 | 4208157M1 | ● 4208157M2(1) | 1 | Vibration damper |
| 4 | 4208158M1 | | 1 | Spacer |
| 5 | | ◁ A-05 11 1 | 1 | Shaft |
- ◁ See page - reference number
● Replacement

Engine

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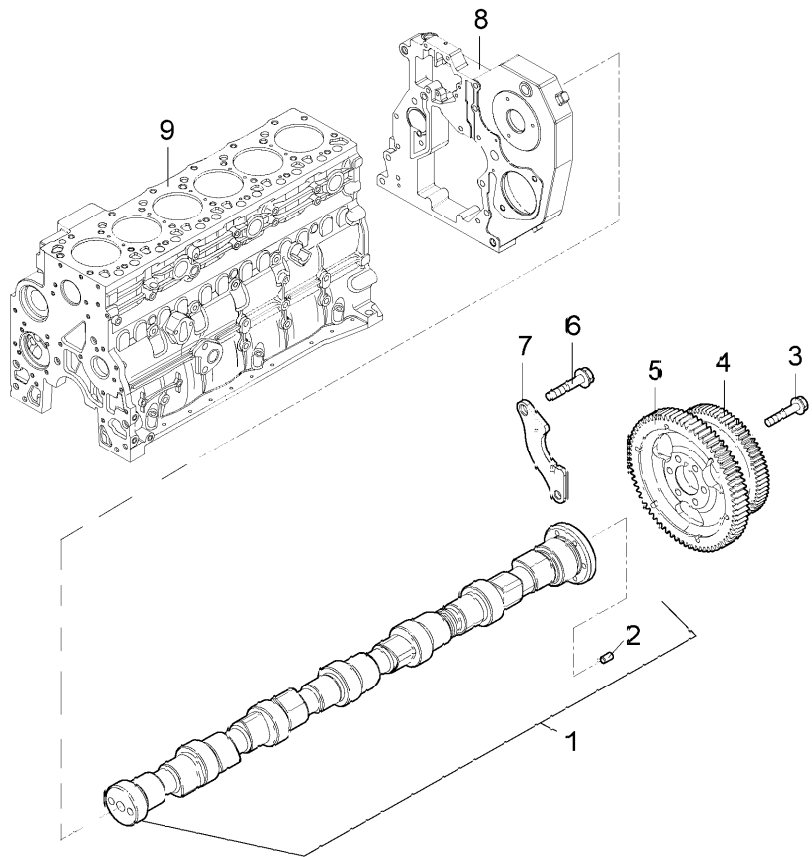
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A-05
15



A0515

Timing parts



- | | | | |
|---|-----------|---|-------------------------|
| 1 | 4208161M1 | | |
| 2 | 3688857M1 | ● | 705005A1(1) |
| 3 | 4208159M1 | | |
| 4 | 4208162M1 | | |
| 5 | 4208160M1 | | |
| 6 | 3688854M1 | ● | 704997A1(2)
M8x17 mm |
| 7 | 3688818M1 | ● | 704931A1(1) |
| 8 | | ◁ | A-05 04 1 |
| 9 | | ◁ | A-05 02 9 |
- ◁ See page - reference number
● Replacement

Inglese

- | | |
|---|---------|
| 1 | Shaft |
| 1 | Screw |
| 6 | Screw |
| 1 | Gear |
| 1 | Gear |
| 2 | Screw |
| 1 | Stirrup |
| 1 | Cover |
| 1 | |

Engine

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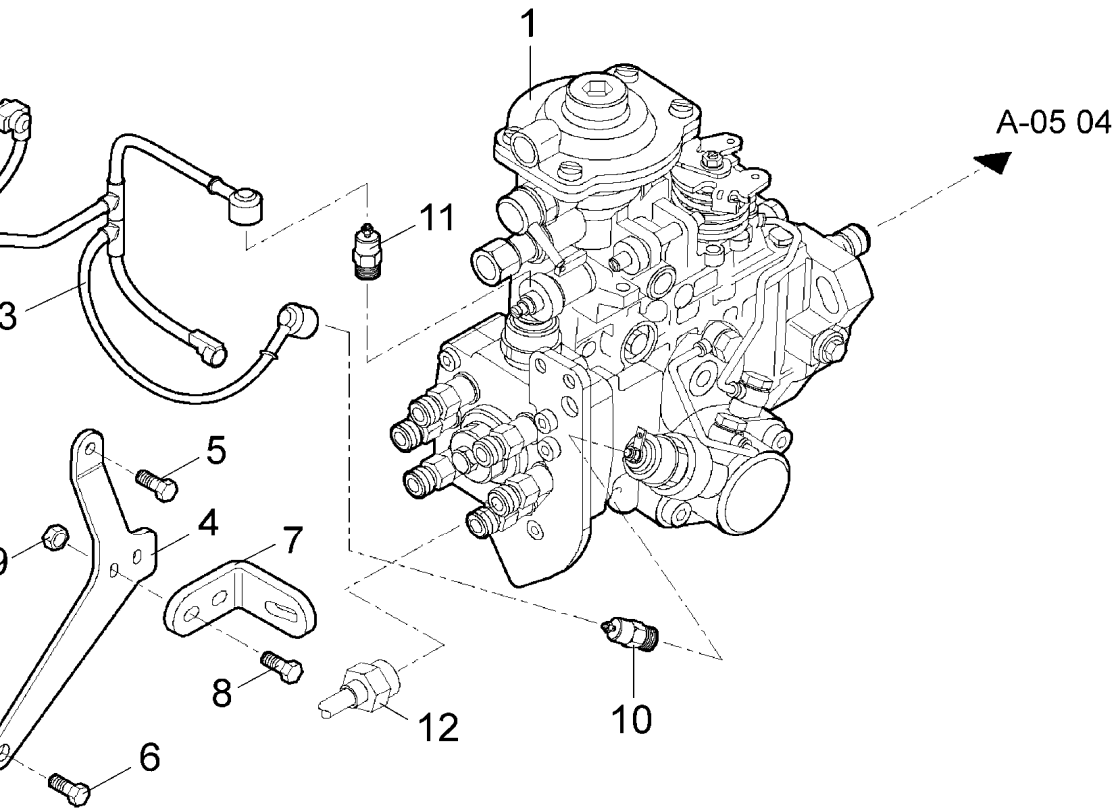
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**A-05
16**



A0516

Fuel injection pump



1 4203240M1

1 4213703M1(1)

1

M1

M1

710625A1(1)
M8x1,25x20 mm

1

M1

M1

M1

M1

M1

A-05 22 1

je - reference number
ement

Inglese

1 Pump

1 Sensor

1 Cable

1 Console

1 Screw

1 Screw

1 Console

3 Screw

3 Nut

1 Magnet

1 Electro-valve

1 Pipe

Engine

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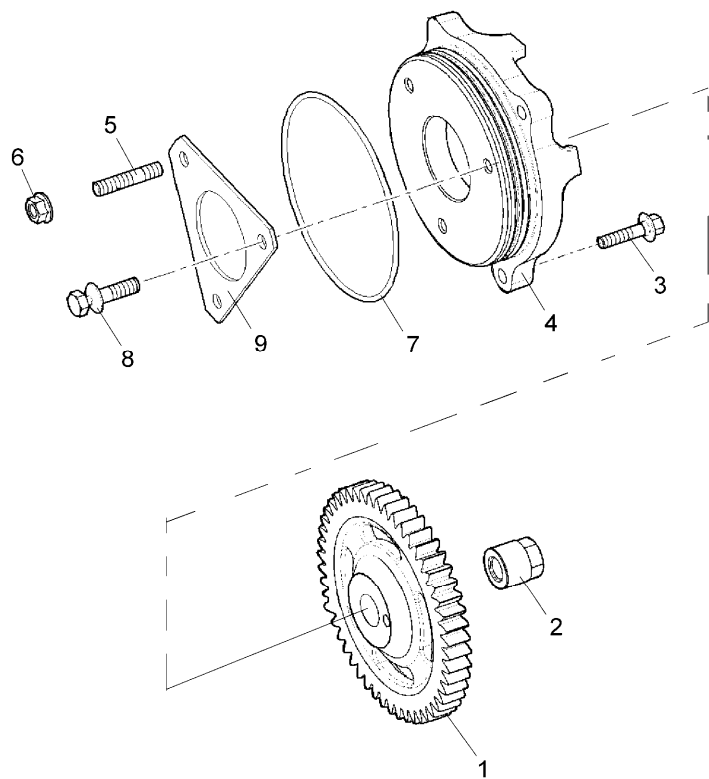
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A-05
17



A0517

Injection pump drive



		Inglese
1	4208168M1	1 Gear
2	4208169M1 M14x1,5	1 Nut
3	3688853M1 M8x30 mm	3 Screw
4		1 Spacer
5	4208171M1 M8x30 mm	2 Screw
6	3688948M1 M8	2 Nut
7	3689000M1 Δ =3,53 mm \varnothing 120,24 mm	1 O ring
8	4208172M1	1 Screw
9	710622A1	1 Gasket
Δ	Shim	

Engine

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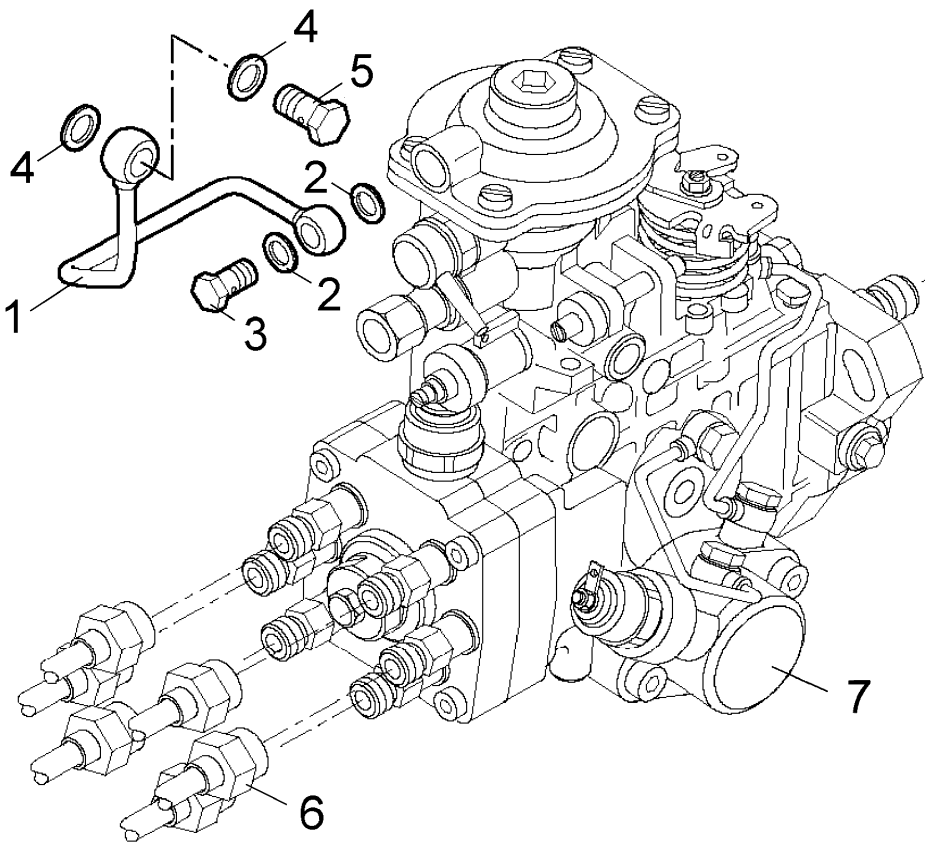
A-05
18



A0518

Injection pipes

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- | | | | | |
|---|----------|--|----------------------|----------|
| 1 | 704634A1 | | | 1 Pipe |
| 2 | 704633A1 | | | 2 Gasket |
| 3 | 704621A1 | | | 1 Filler |
| 4 | 704558A1 | | =1 mm
Ø10x13,5 mm | 2 Gasket |
| 5 | 704556A1 | | 6515434M1(1) | 1 Filler |
| 6 | | | A-05 22 1 | 1 Pipe |
| | | | A-05 16 1 | 1 Pump |

- See page - reference number
- Shim
- Replacement

Engine

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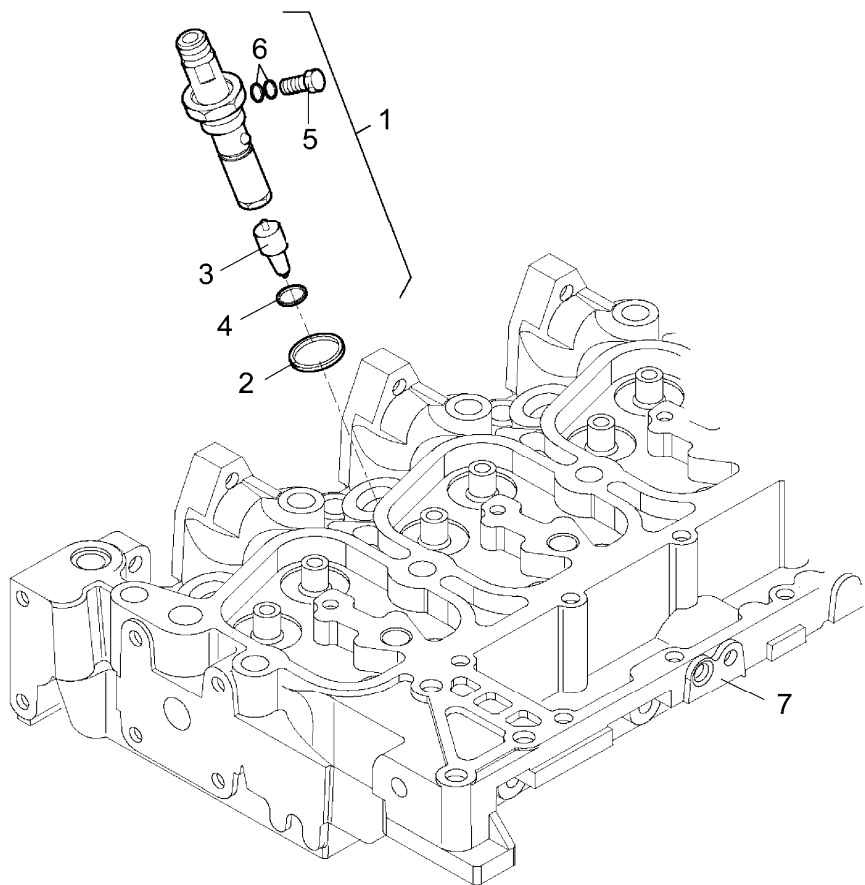
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A-05
19



A0519

Nozzles



- 1 4208341M1
- 2 707401A1
- 3 4208342M1
- 4 4208343M1
- 5 4208176M1 M8x1
- 6 4208177M1 Ø6x10 mm
- 7 A-05 06 3

See page - reference number

Inglese

- 6 Nozzle
- 6 Gasket
- 6 Nozzle
- 6 Washer
- 6 Filler
- 12 Ring
- 1 Head

Engine

G-MAX IVECO Tier 3 (2007-2012) - RP74 - 180

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A-05
20

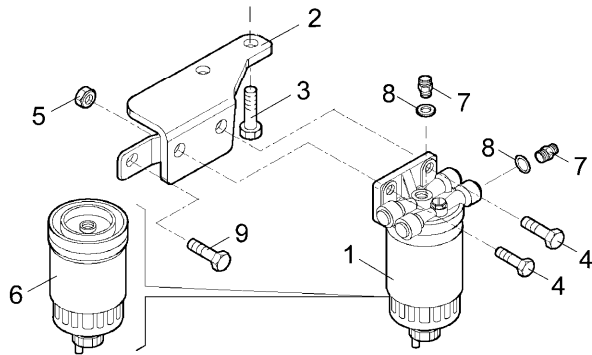
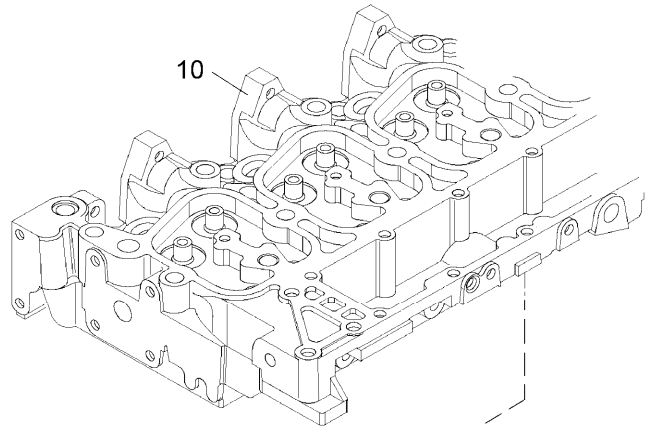


A0520

Fuel filter

Inglese

-	➔	N17029	
1		4207948M91	1 Filter
2		4208178M1	1 Support
3		4208179M1	2 Screw
4		3688934M1	2 Screw
5		4208180M1	2 Nut
6		4207949M1	1 Filter
7		4208234M1	2 Union
8		4208235M1	2 Gasket
9		3688854M1	1 Screw
10		⦿ A-05 06 3	1 Head
➔		Up to serial or engine number	
⦿		See page - reference number	
●		Replacement	



Engine

G-MAX IVECO Tier 3 (2007-2012) - RP74 - 180

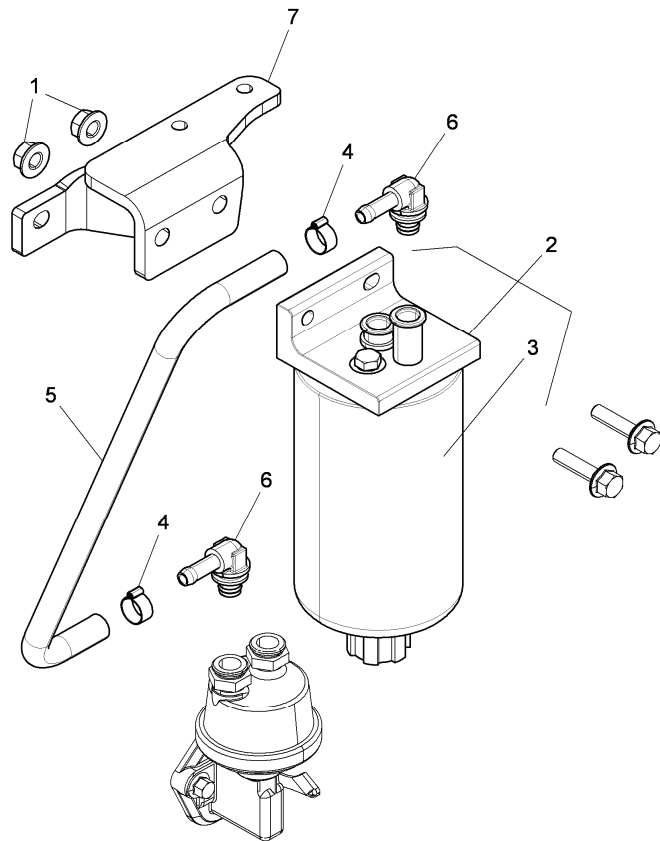
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A-05
205



A05205

Heavy duty fuel filter



- ➡ N17030
- 1 4208180M1
- 2 6507443M91
- 3 6508562M91 ! 2
- 4 3647035M1
- 5 6500786M1
- 6 3692722M91
- 7 4208178M1
- ! This is a component of an assembly
- ➡ From serial or engine number

Inglese

- 2 Nut
- 1 Filter
- 1 Cartridge
- 2 Clamp
- 1 Pipe
- 2 Union
- 1 Support

Engine

G-MAX IVECO Tier 3 (2007-2012) - RP74 - 180

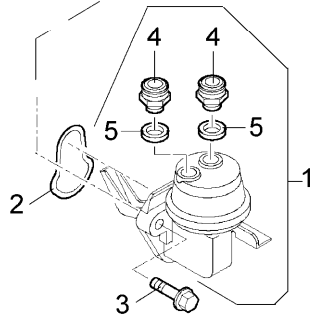
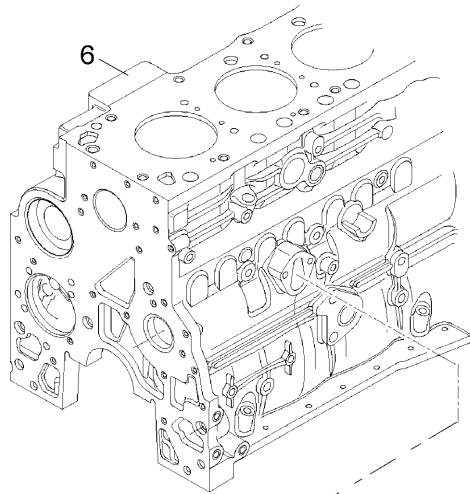
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A-05
21



A0521

Fuel pump



		Inglese	
1	707371A1	● 3688650M1(2), 3688754M1(2), 6507275M91(1)	1 Pump
2	707370A1		1 Ring
3	3688849M1	● 3688856M1(1) M8x25 mm	2 Screw
4	3688650M1	! 1 M12x1,5	2 Union
5	3688754M1	! 1	2 Ring
6		◁ A-05 2 9	
!	This is a component of an assembly		
◁	See page - reference number		
●	Replacement		



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A-05
22



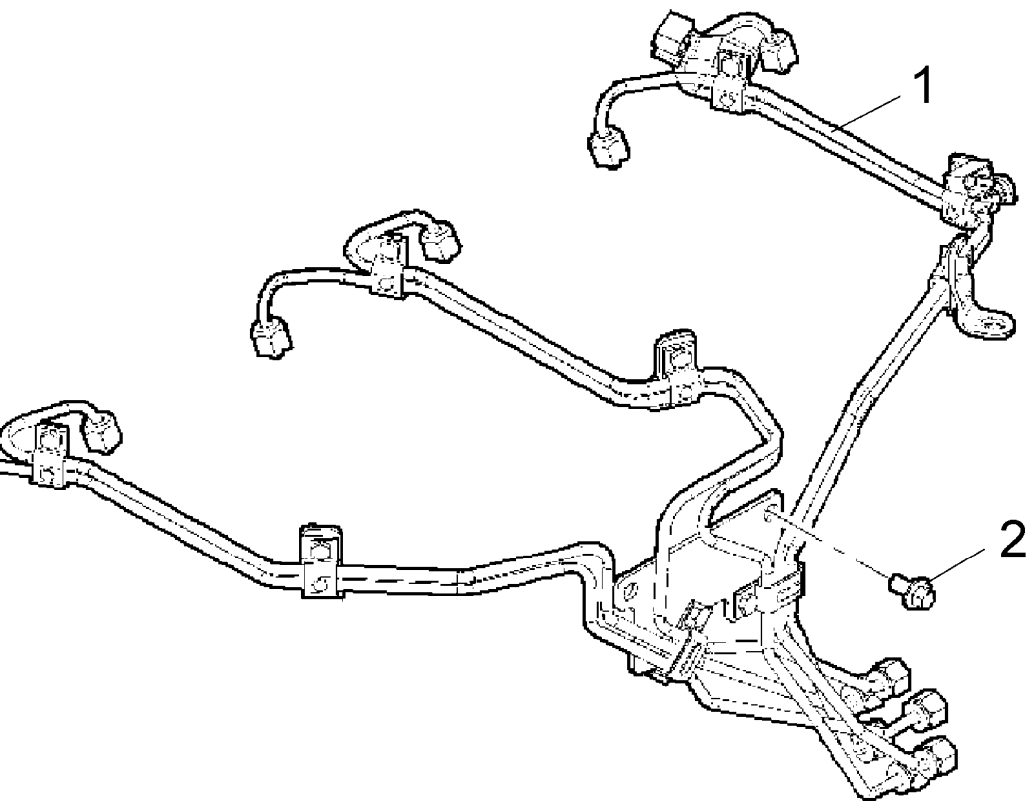
A0522

Injection pipes

Inglese

- 1 420236M1
J4A1

- 1 Pipe
- 2 Screw



Engine

A-05
23

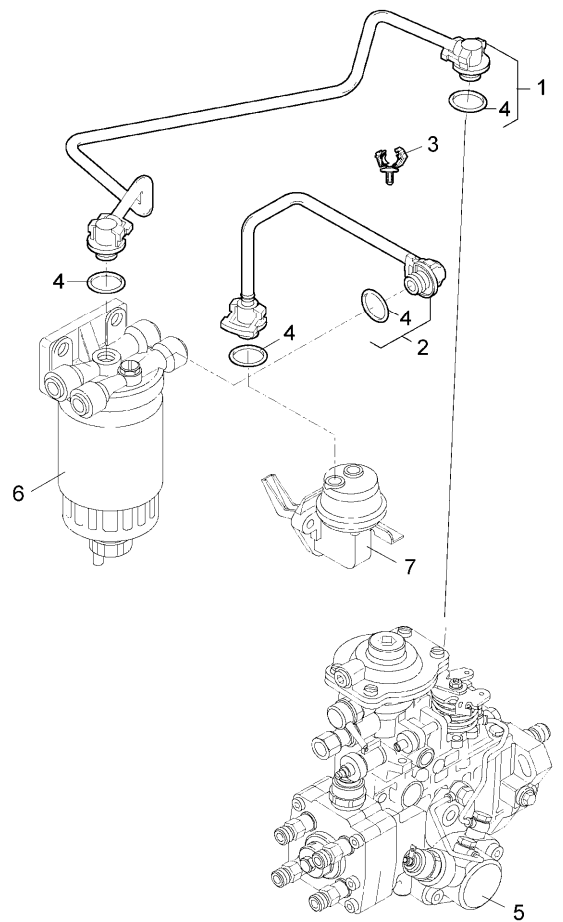
Fuel lines

G-MAX IVECO Tier 3 (2007-2012) - RP74 - 180



A0523

RP74\00006016.png



- 1 4208237M1
- 2 4208238M1
- 3 705191A1
- 4 3688690M1
- 5 A-05 16 1
- 6 A-05 20 1
- 7 A-05 21 1
- See page - reference number

Inglese

- 1 Pipe
- 1 Pipe
- 2 Clip
- 4 O ring
- 1 Pump
- 1 Filter
- 1 Pump, fuel

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