

Engine

Xtx tier 3 (2007-2013) - XTX3 - 185

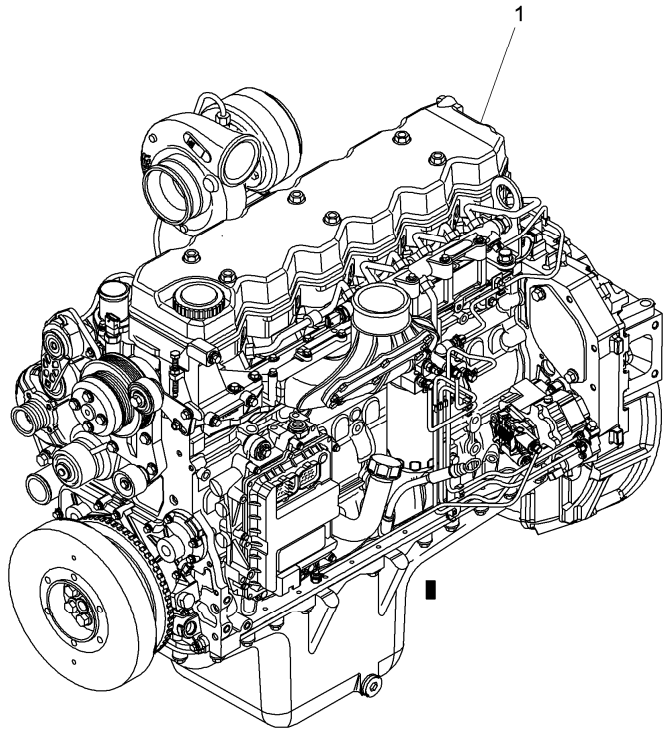
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A-05
01



A0501

Engine assembly



			Inglese
1	6507294M91	➡ N14131 129 kw	1 Engine
1	6511069M91	129 kw	1 Engine
		A	
		B	
		C	
1	714049A1	➡ N14130 129 kw	1 Engine

➡ From serial or engine number
➡ Up to serial or engine number
A Flexibility engine
B For market "cee"
C For market "n.a.o."

Engine

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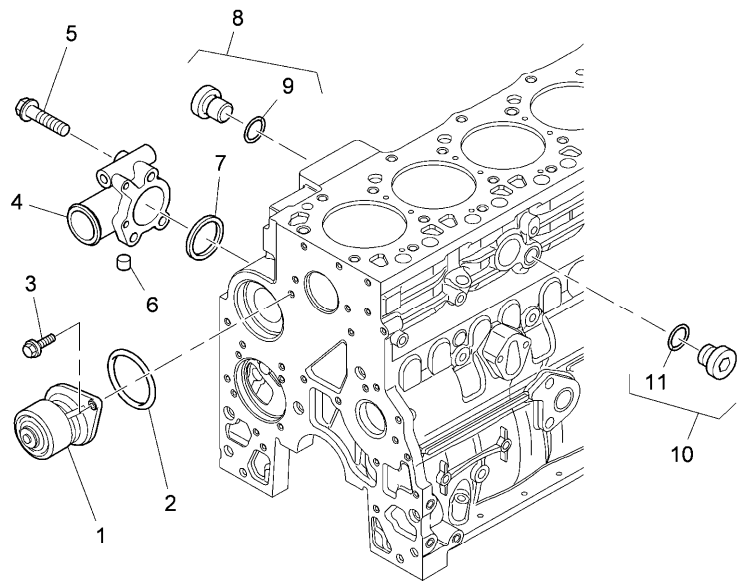
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A-05
02



A0502

Water pump



- 1 710239A1
- 2 3689033M1
- 3 3688849M1 ◀▶ M8x25
● 3688856M1(1)
- 4 705259A1
- 5 3688774M2 ◀▶ M10x65
- 6 704784A1
- 7 3689032M1
- 8 3688780M1 ● 704848A1(1)
- 9 3688781M1 ! 8
● 707405A1(1)
- 10 704578A1
- 11 704555A1 ! 10
- ! This is a component of an assembly
- ◀▶ Length
- Replacement

- Inglese
- 1 Pump assy
 - 1 Gasket
 - 2 Screw
 - 1 Elbow assy
 - 3 Screw
 - 1 Plug
 - 1 Ring
 - 1 Plug
 - 1 Ring
 - 1 Plug
 - 1 Washer

Engine

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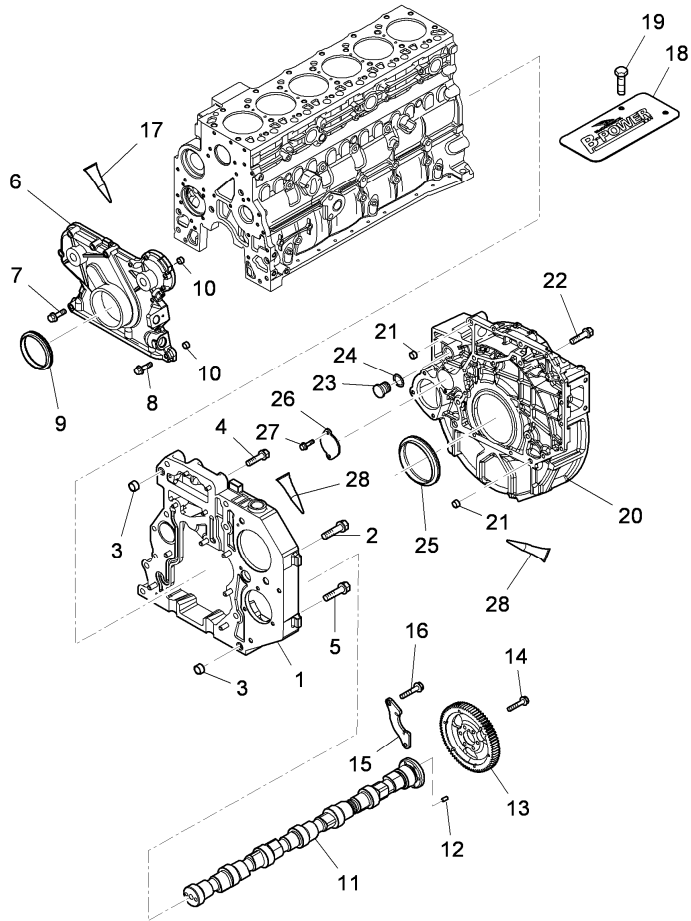
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A-05
03



A0503

Cylinder block cover - camshaft



		Inglese
1	705053A1	1 Housing
2	704999A1	1 Bolt
2	705015A1	2 Bolt
3	3688824M1	2 Dowel
4	705003A1	4 Bolt
5	704910A1	3 Bolt
6	704913A1	1 Cover
7	705003A1	5 Bolt
8	3688853M1	8 Screw
9	3688646M1	1 Ring
		70x100x12.5/16
10	704693A1	2 Dowel
11	3689061M1	1 Shaft
12	3688857M1	1 Dowel
	!	11
	●	705005A1(1)
13	704887A1	1 Gear
14	3688856M1	6 Screw
15	3688818M1	1 Stirrup
16	3688854M1	2 Screw
	●	704931A1(1)
	●	704997A1(2)
17	TBA	3 Loctite
18	707729A1	1 Note plate
19	555-1	2 Bolt
20	705098A1	1 Cover
21	3688824M1	2 Dowel

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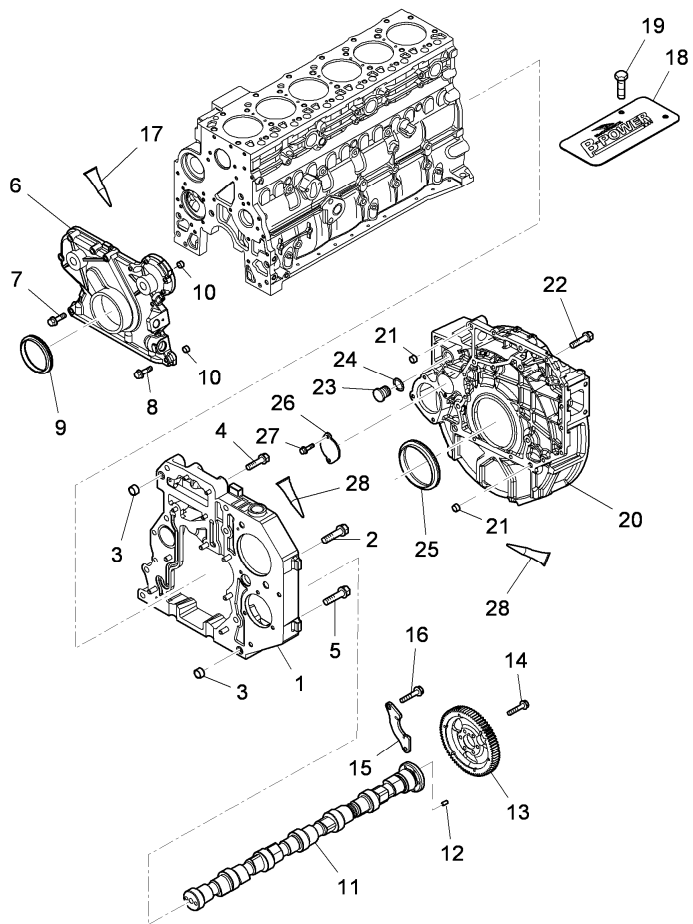
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A-05
03



A0503

Cylinder block cover - camshaft



Inglese

22	4219091M1			2	Screw
22	705002A1	◄►	M12 x 80 mm	6	Bolt
22	705020A1	◄►	M12 x 80 mm	2	Bolt
22	712165A1	◄►	M10 x 40 mm	10	Bolt
23	704847A1			1	Plug
24	714949A1			1	O-ring
25	3688647M1	●	6514306M1(1) 130x155x12,5	1	Ring
26	704799A1			1	Cover
27	3688854M1	◄►	M8x17	2	Screw
		●	704997A1(2)		

- ! This is a component of an assembly
- ◄► Length
- Replacement
- A Front
- C Flywheel

Engine

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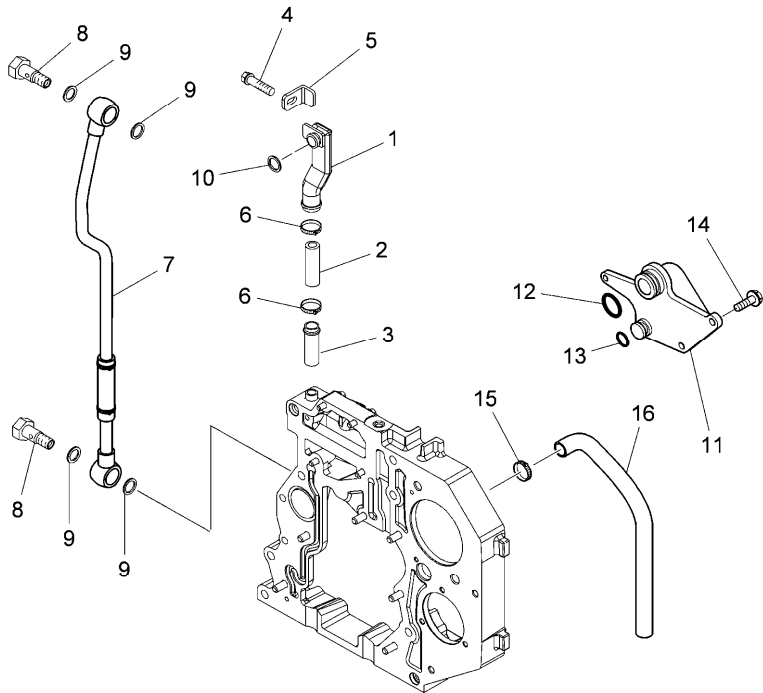
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A-05
04



A0504

Vent and airing



- 1 704935A1
 - 2 704939A1
 - 3 704940A1
 - 4 704937A1
 - 5 704936A1
 - 6 704728A1
 - 7 705029A1
 - 8 3688929M1 ! 7
 - 9 3688878M1 ! 7
 - 10 3688996M1 ● 707341A1(2)
 - 11 714673A1
 - 12 714672A1
 - 13 704960A1
 - 14 3688866M1 ● 705021A1(3)
 - 15 3551942M1
 - 16 714463A1 ◄► 760 mm
- ! This is a component of an assembly
 ◄► Length
 ● Replacement

Inglese

- 1 Pipe
- 1 Tube
- 1 Connector
- 1 Bolt
- 1 Retainer
- 2 Clip
- 1 Tube assy
- 2 Filler
- 4 Gasket
- 1 Ring
- 1 Breather
- 1 O-ring
- 1 Seal
- 3 Screw
- 1 Clamp
- 1 Hose

Engine

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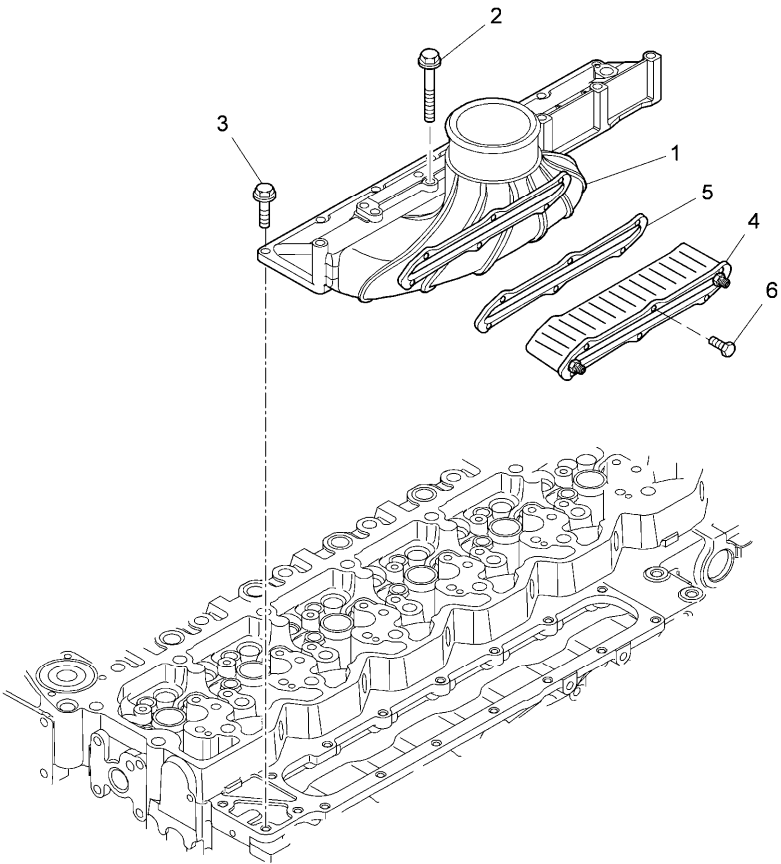
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A-05
05



A0505

Manifolds - intake



- 1 3689091M1
- 2 3688777M1
- 3 3688850M1 ◀▶ M8x25
- 4 3689105M1
- 5 3689096M1
- 6 714678A1
- ◀▶ Length

Inglese

- 1 Duct
- 2 Screw
- 8 Screw
- 1 Heater
- 1 Gasket
- 6 Bolt

Engine

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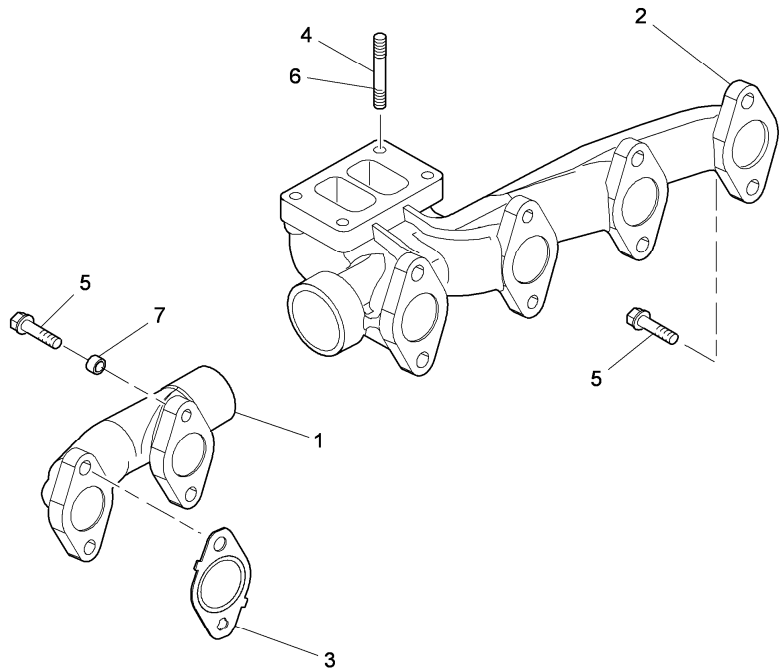
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A-05
06



A0506

Manifold - exhaust



		Inglese			
1	3688619M1	●	6521609M1(1)	1	Manifold
2	3689068M1			1	Manifold
3	3689062M1			6	Gasket
4	3688861M1	●	705008A1(3)	3	Screw
5	3689072M1			12	Screw
6	3688946M1	◄	M10x35	1	Screw
		◄	Length		
		●	Replacement		

Engine

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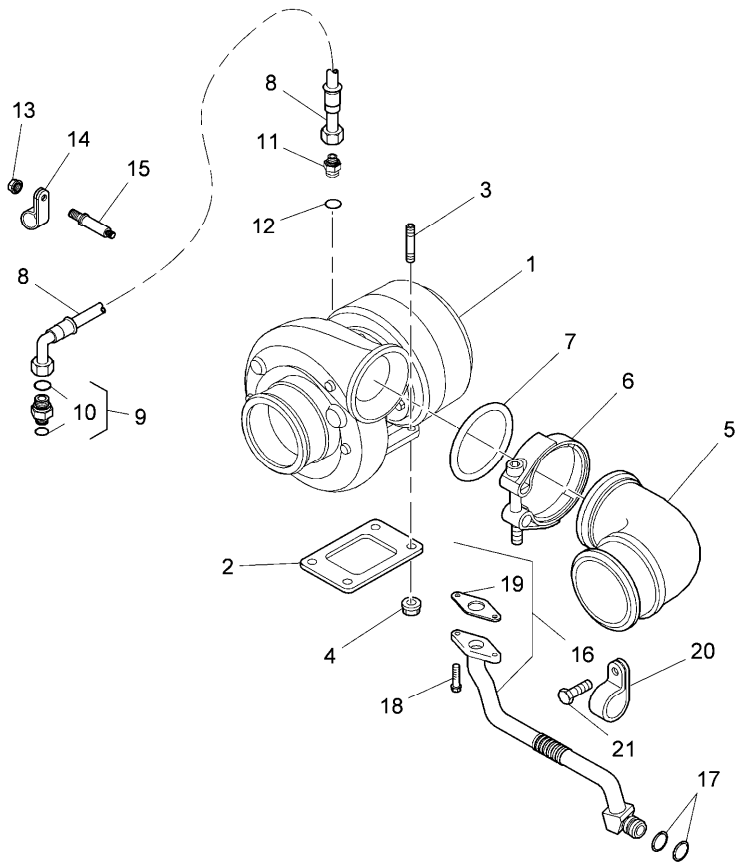
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A-05
07



A0507

Supercharging system



		Inglese		
1	6501375M1	●	3689063M1(1)	1 Turbocharger
2	3688770M1			1 Gasket
3	705008A1			4 Stud
4	3688862M1			4 Nut
5	711443A1			1 Elbow
6	3684506M91			1 Collar
7	705010A1			1 O-ring
8	3689065M1			1 Pipe
9	3688771M1	●	6514391M91(1)	1 Union
10	3688864M1	!	9	1 Ring
10	3688865M2	!	9	1 Ring
11	TBA			1 Connector
12	TBA			1 O-ring
13	3688948M1			1 Nut
14	3688875M1			1 Collar
15	3688812M1	●	3689104M1(1)	1 Screw
16	3688755M1	●	6525712M1(1)	1 Pipe
17	3688995M1	!	16	2 Ring
18	3688849M1	◄	M8x25	2 Screw
		●	3688856M1(1)	
19	3688672M1	!	16	1 Gasket
20	3688810M1	●	704905A1(1)	1 Clamp
21	3688944M1	◄	M12x25	1 Screw
		●	707366A1(1)	

! This is a component of an assembly

Engine

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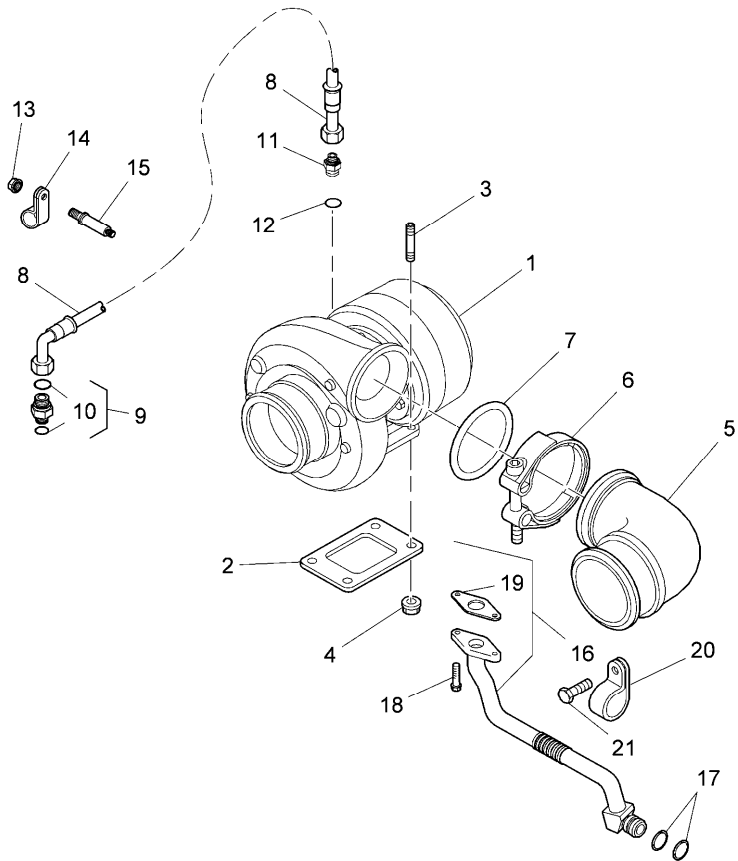
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07



A0507

Supercharging system

- ◄ Length
- Replacement



Engine

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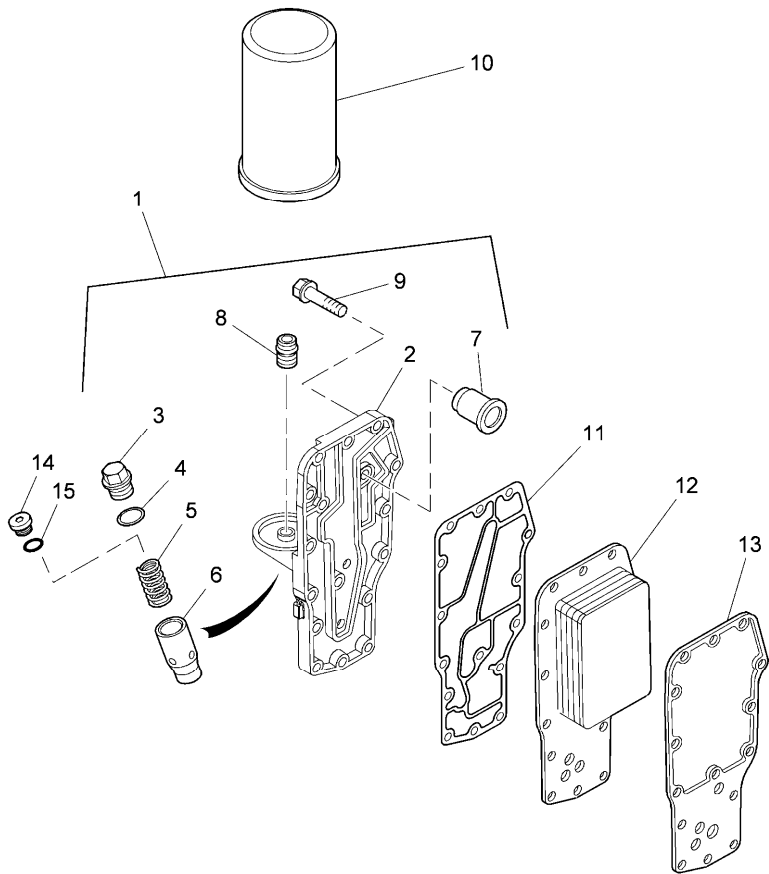
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A-05
08



A0508

Oil filter and cooler



		Inglese	
1	705234A1	● 704769A1(1), 704888A1(1), 704890A1(1), 704986A1(1), 705236A1(1), 708989A1(1)	1 Housing assy
2	705236A1	! 1	1 Housing
3	704768A1	! 1	1 Plug
		➔ 155899	
		● 708989A1(1)	
4	704986A1	! 1	1 O-ring
		➔ 155899	
5	704769A1	! 1	1 Spring
6	704888A1	! 1	1 Body
7	3688807M1	! 1	1 Valve
8	3688686M1	! 1	1 Union
		● 704732A1(1)	
9	3688823M1	◄ M8x35	10 Screw
		● 704981A1(10)	
9	3688938M2	◄ M8x100	2 Screw
9	704991A1		3 Screw
10	707209A1		1 Oil filter
11	3688627M1		1 Gasket
12	704889A1	● 6531118M91(1)	1 Core
13	3688612M1		1 Gasket
14	708989A1	➔ 155900	1 Plug
15	4218635M1	➔ 155900	1 Ring

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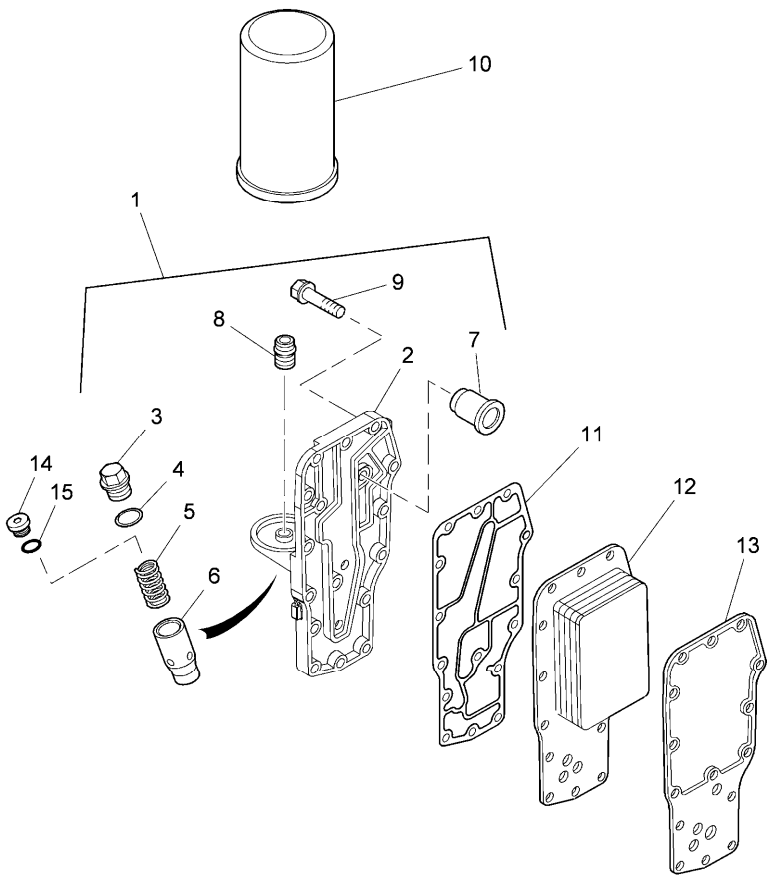
A-05
08



A0508

Oil filter and cooler

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- ! This is a component of an assembly
- ➔ From serial or engine number
- ➡ Up to serial or engine number
- ↔ Length
- Replacement

Engine

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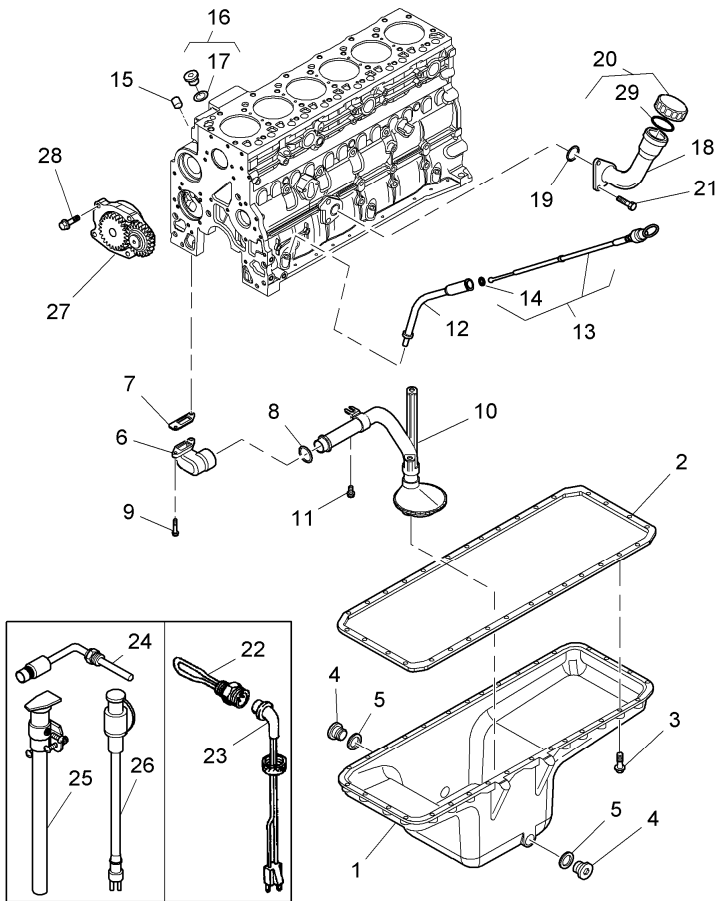
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A-05
09



A0509

Lubricating oil pump and delivery housing



- 1 705252A1
- 2 705082A1
- 3 3688942M1
- 4 707395A1
- 5 707407A1
- 6 705185A1
- 7 704957A1
- 8 704589A1
- 9 710626A1
- 10 705298A1
- 11 704827A1
- 12 705240A1
- 13 705333A1
- 14 704965A1
- 15 704987A1
- 16 704930A1
- 17 704869A1
- 18 712175A1
- 19 704590A1
- 20 705344A1
- 21 3688944M1
- 22 J904380

- ◄ M8x30
- 706309A1(32)
- 3688691M1(1)
- 3688997M1(1)
- ◄ M8 x 25 mm
- 709602A1(1)
- ! 13
- ! 16
- ◄ M12x25
- 707366A1(2)
- C

Inglese

- 1 Pan, oil
- 1 Gasket, pan
- 32 Screw
- 2 Plug
- 2 O-ring
- 1 Elbow
- 1 Gasket, pipe
- 1 O-ring
- 2 Bolt
- 1 Strainer
- 1 Bolt
- 1 Pipe
- 1 Rod
- 1 O-ring
- 3 Plug
- 2 Plug
- 1 O-ring
- 1 Filler
- 1 Ring
- 1 Cap
- 2 Screw
- 1 Heater

Engine

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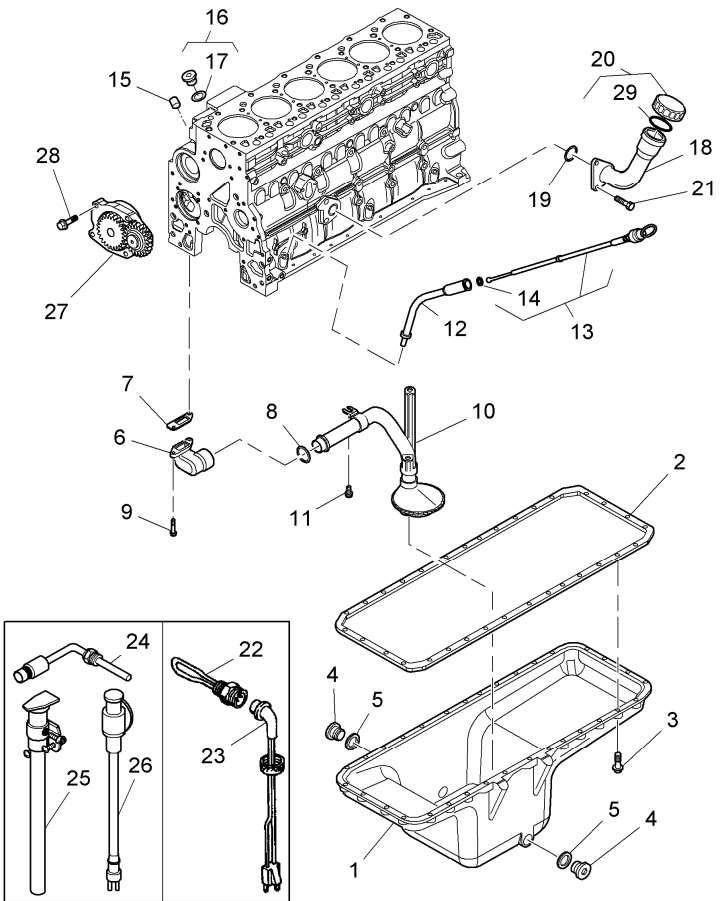
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**A-05
09**



A0509

Lubricating oil pump and delivery housing



		Inglese	
23	J905113	◄► 1829 mm	1 Cable
		A	
24	706391A1	C	1 Heater
		B	
25	314722A1	B	1 Harness
26	314723A1	B	1 Cable
27	704933A1	● 6501709M1(1)	1 Pump
28	705012A1		4 Bolt
29	4218634M1	! 20	1 Ring
!	This is a component of an assembly		
◄►	Length		
●	Replacement		
A	For market "n.a.o."		
B	Excluded "n.a.o." market		
C	Transmission oil		

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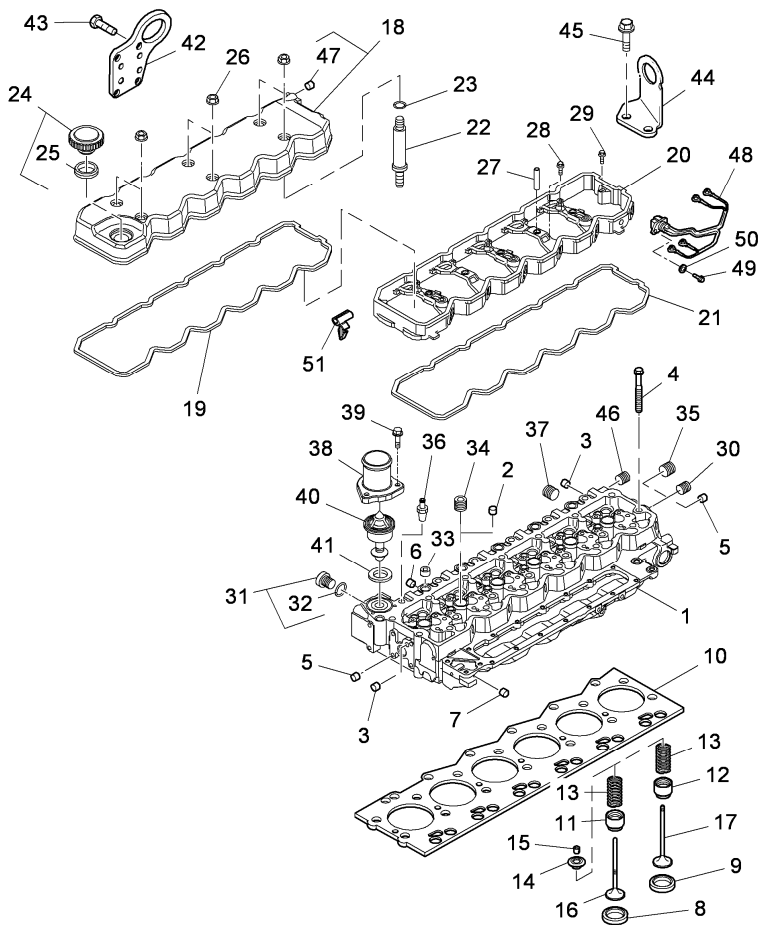
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A-05
10



A0510

Cylinder head - valve mechanism



- 1 3688621M1
- 2 3688769M1
- 3 3688782M1
- 4 3688651M1
- 4 3688652M1
- 5 3688768M1
- 6 3688795M1
- 7 3688794M1
- 8 3688685M1
- 9 3688685M1
- 10 3688616M1
- 11 3688622M1
- 12 3688622M1
- 13 3688765M1
- 14 3688766M1
- 15 3688858M1
- 16 3688761M1
- 17 3688762M1
- 18 3688802M1
- 19 3689038M1
- 20 3688872M1
- 21 3689039M1
- 22 3689104M1

- ! 1
- ! 1
- ◄► M12x130
- ◄► M12x150
- 25,74x8,13x1,27

- N.L.S.(12)
- N.L.S.(12)

- A
- B

Inglese

- 1 Head
- 11 Plug
- 22,5 mm x 1,27 m
- 7 Plug
- 12 Screw
- 14 Screw
- 13 Plug
- 2 Plug
- 2 Plug
- 12 Valve seat
- 12 Valve seat
- 1 Gasket
- 12 Cap
- 12 Cap
- 24 Spring
- 24 Cup
- 48 Cone
- 12 Valve
- 12 Valve
- 1 Coperch.
- 1 Gasket
- 1 Spacer
- 1 Gasket
- 6 Screw

Engine

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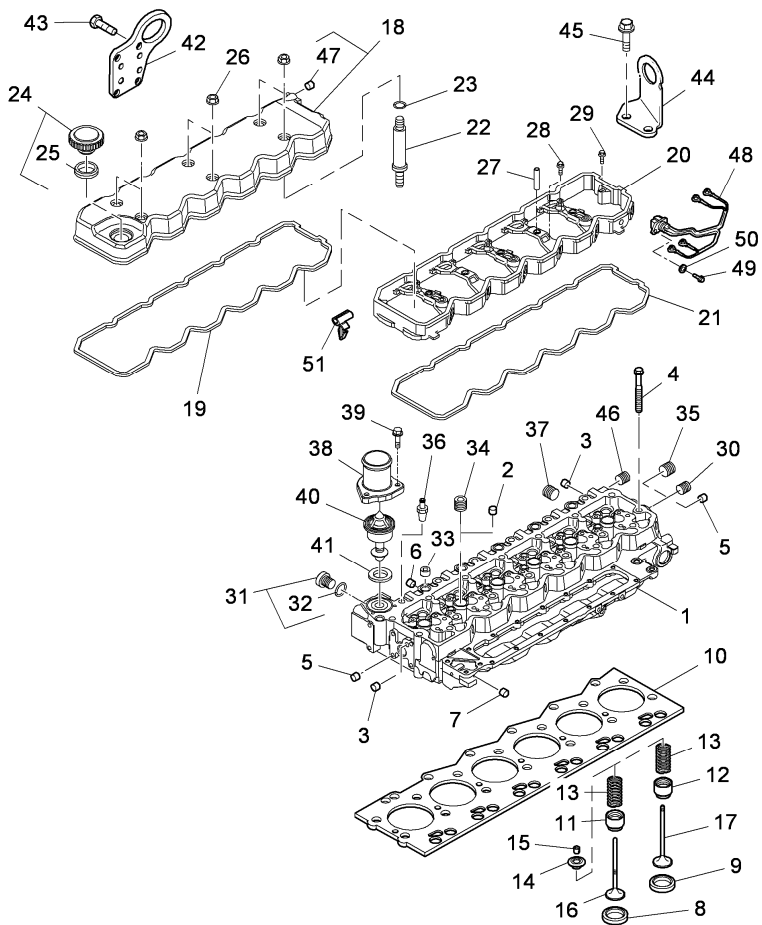
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A0510

Cylinder head - valve mechanism

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		Inglese
23	3689040M1	6 Spacer
24	3689018M1	1 Plug
25	3689016M1	! 24 1 Gasket
26	3689057M1	6 Nut
27	3688871M1	● 705039A1(5) 5 Bush
28	3688796M1	● 704858A1(5) 5 Screw
29	3688863M1	● 705011A1(2) 2 Screw
30	3688683M1	1 Plug
31	704786A1	1 Plug
32	707398A1	! 31 1 O-ring
33	704870A1	1 Plug
34	704784A1	4 Plug
35	704785A1	1 Plug
36	704795A1	1 Insert
37	704714A1	1 Plug
38	3688772M1	● 6525653M1(3), 6525654M1(1) 1 Body
39	3688866M1	● 705021A1(3) 3 Screw
40	3689024M1	● 4215605M2(1) 1 Thermostat
41	3689023M1	1 Gasket
42	704747A1	1 Hook
43	3688856M1	4 Screw
44	714717A1	1 Hook
45	704988A1	● 707366A1(1) 2 Bolt
46	3688683M1	1 Plug

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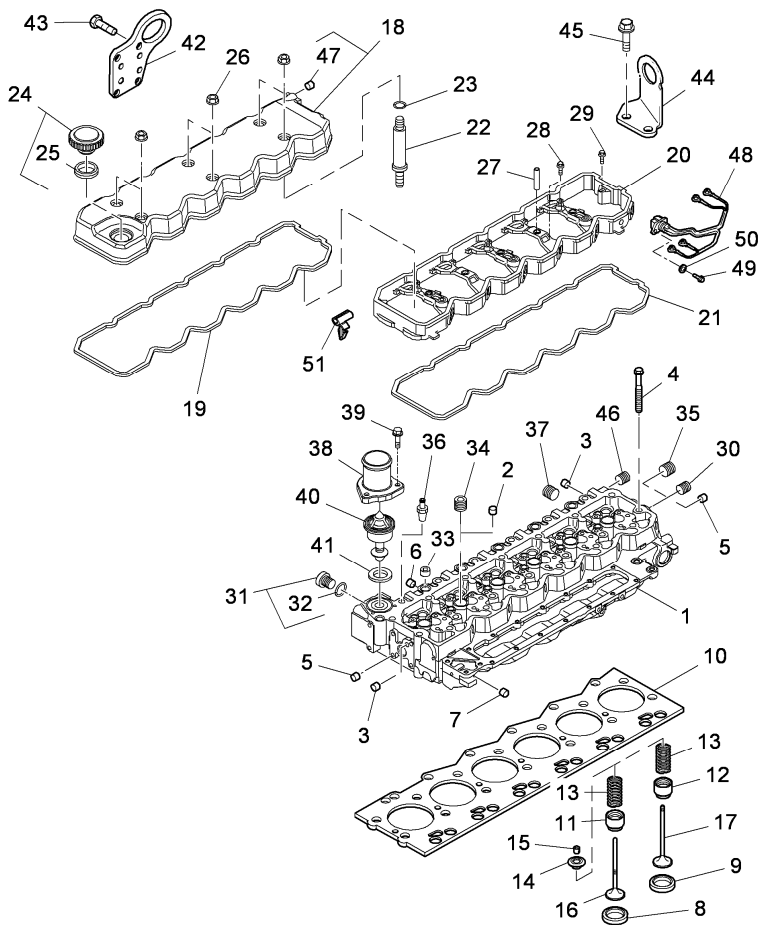
A-05
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A0510

Cylinder head - valve mechanism

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Inglese

- | | | | | | |
|----|------------------------------------|---|-------------|---|-------------|
| 47 | 3688819M1 | ! | 18 | 1 | Plug |
| | | ● | 704956A1(1) | | |
| 48 | 3689025M1 | | | 3 | Cable |
| 49 | 3688945M1 | ● | 704572A1(3) | 3 | Screw |
| 50 | 3688950M1 | ● | 707347A1(3) | 3 | Lock washer |
| 51 | 3689037M1 | ● | 705197A1(6) | 6 | Spring |
| ! | This is a component of an assembly | | | | |
| ◄ | Length | | | | |
| ● | Replacement | | | | |
| A | Exhaust | | | | |
| B | Inlet | | | | |

Engine

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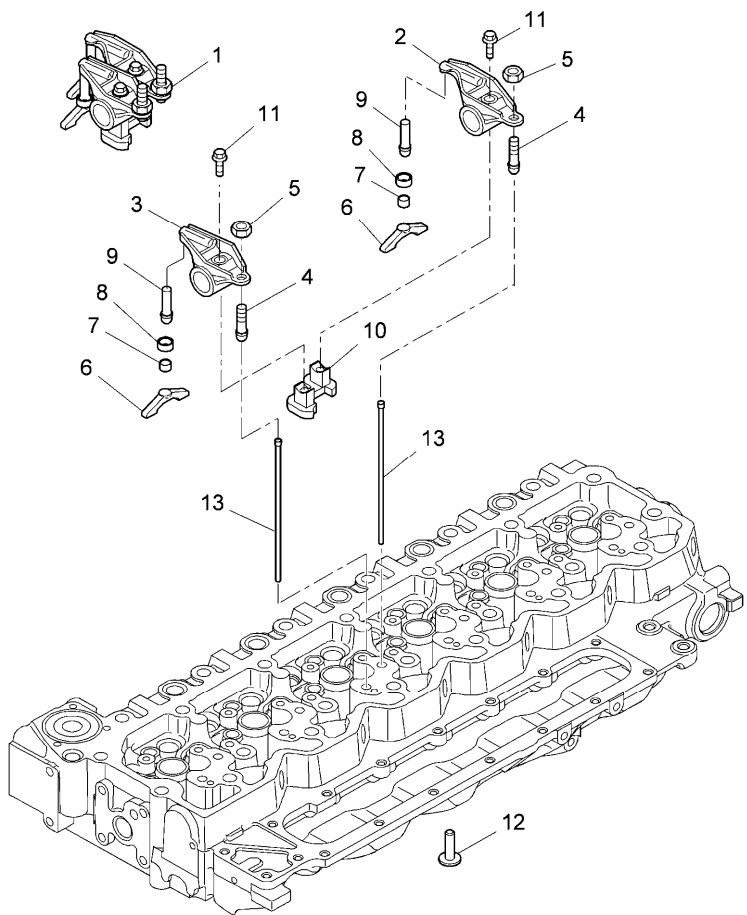
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A0511

Cylinder head - valve mechanism



Inglese

1	3688820M1	●	6503095M2(1)	6	Shaft
2	3688764M1	!	1	1	Rocker
		●	6513402M91(1)		
		A			
3	3688763M1	!	1	1	Rocker
		●	6513405M91(1)		
		B			
4	3688604M1	!	2-3	2	Screw
		●	6513404M1(2)		
5		!	2-3	1	Nut
		➡	Ref.n.2-3		
6	3689067M1	!	1	12	Bridge
7	3688815M1	!	1	2	Skate
		●	6513401M1(2)		
8	3688816M1	!	1	2	Cup
		●	6513400M1(1)		
9		!	2-3	2	Pin
		➡	Ref.n.2-3		
10	3688687M1	!	2-3	1	Support
		●	704735A1(1)		
11	3688609M1	➡	37131	12	Screw
		●	704622A1(12)		
11	3688860M1	➡	37130	12	Screw
		●	707345A1(12)		
12	3688877M1			12	Platform
13	3688756M1			12	Rod



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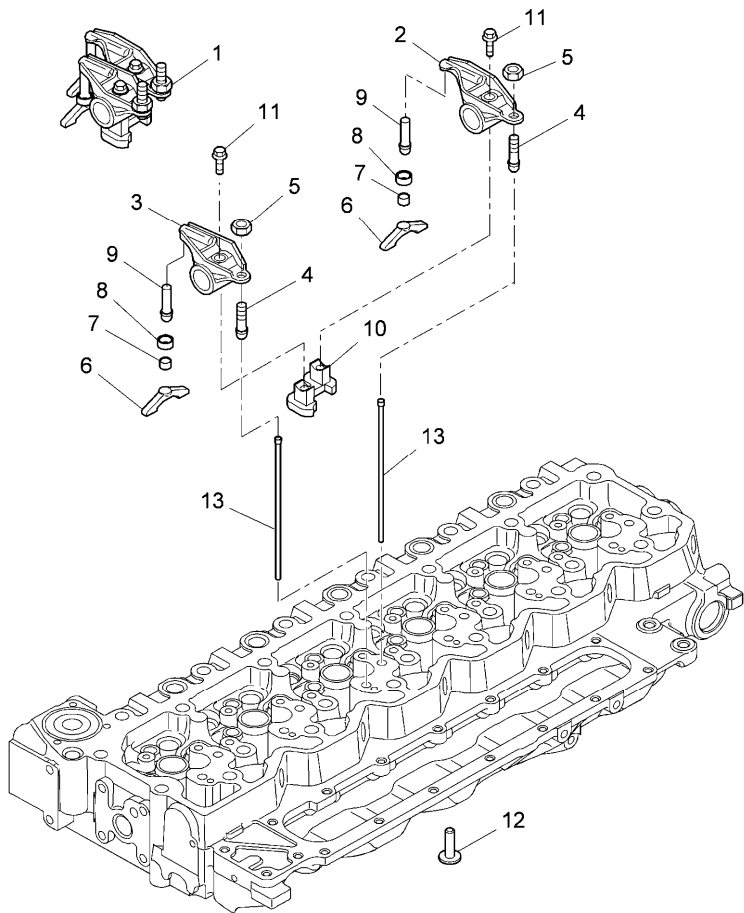
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A0511

Cylinder head - valve mechanism



- ! This is a component of an assembly
- From serial or engine number
- Up to serial or engine number
- Not serviced, order
- Replacement
- A Exhaust
- B Inlet

Engine

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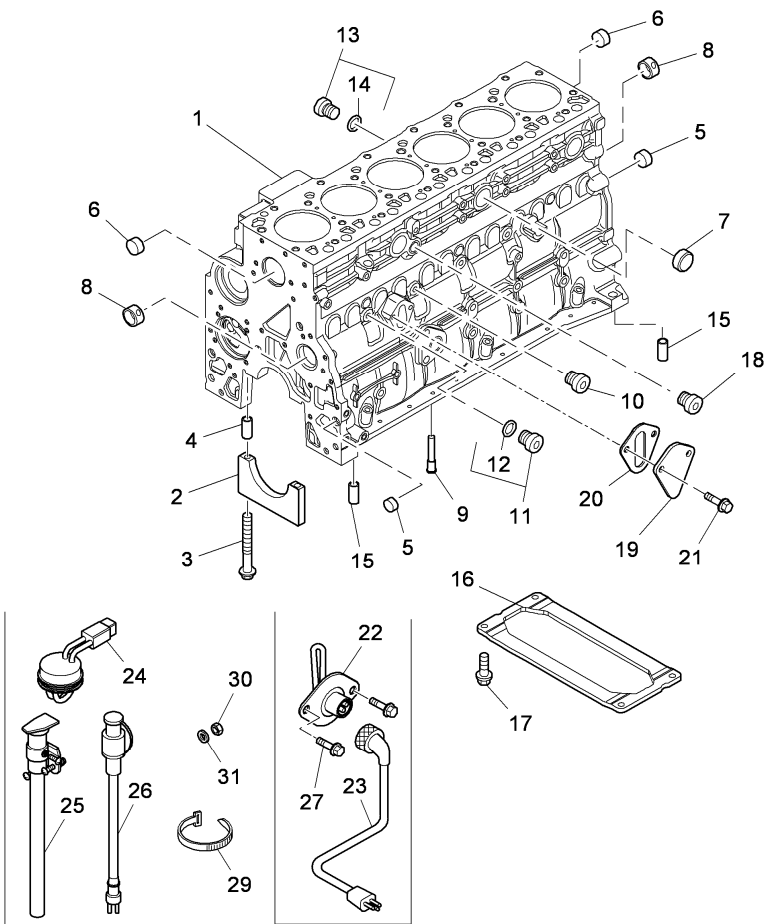
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A0512

Cylinder block



Inglese

1	4218604M1	●	N.L.S.(1)	1	Block
2	NSS	!	1	1	Cap
3	3688673M1	◄	M12x120	14	Screw
		!	1		
		●	704696A1(14)		
4	3688824M1	!	1	14	Dowel
		●	704983A1(14)		
5	3688758M1	!	1	2	Plug
			17,73x6,35x1,07		
6	3688757M1	!	1	6	Plug
			58,06x8,25x1,52		
7	3688775M1	!	1	3	Plug
			35,23x7,94x1,52		
8	3688759M1	!	1	2	Bearing
9	704885A1			6	Plug
10	3689350M1	●	704866A1(2)	2	Plug
11	3688822M1	●	704980A1(2)	2	Plug
12	3688855M1	!	11	1	Ring
13	3688780M1	●	704848A1(2)	2	Plug
14	3688781M1	!	13	1	Ring
		●	707405A1(1)		
15	3688760M1			2	Screw
16	705218A1			1	Plate
17	704985A1	◄	M10 x 25 mm	4	Bolt
18	704870A1			1	Plug

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