

Engine

TTX Tier 3 (2007-) - XTX4 - 210

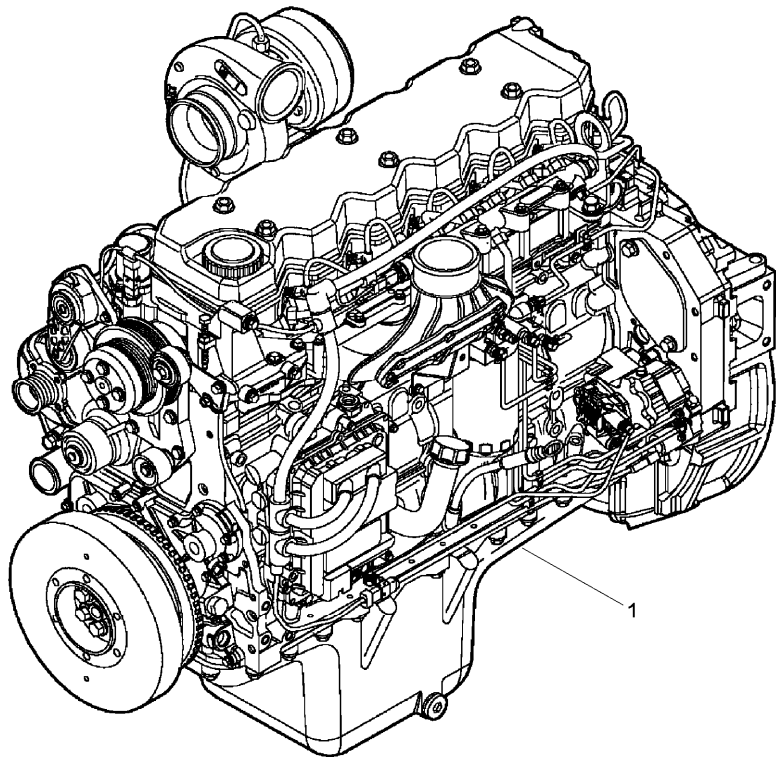
XTX4\00006680.png

A-05
01



A0501

Engine assembly



			Inglese
1	4207446M91	Iveco 143 kw F4he9684q*j101	1 Engine
1	6505630M91	145 kw	1 Engine
		A	
A	Flexibility engine		

Engine

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**A-05
015**



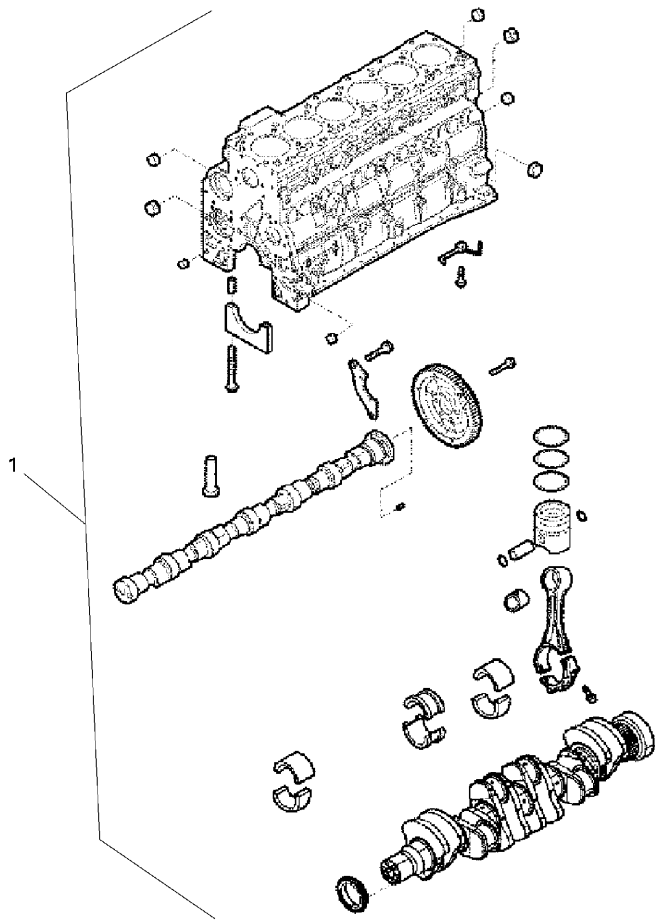
A05015

Short engine

Inglese

1 6518645M91

1 Short engine



Engine

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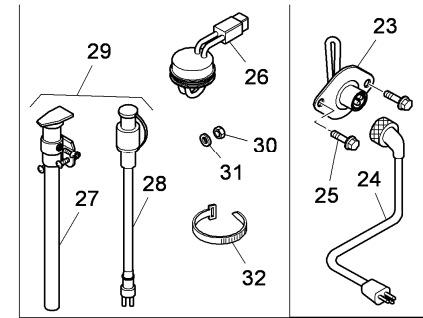
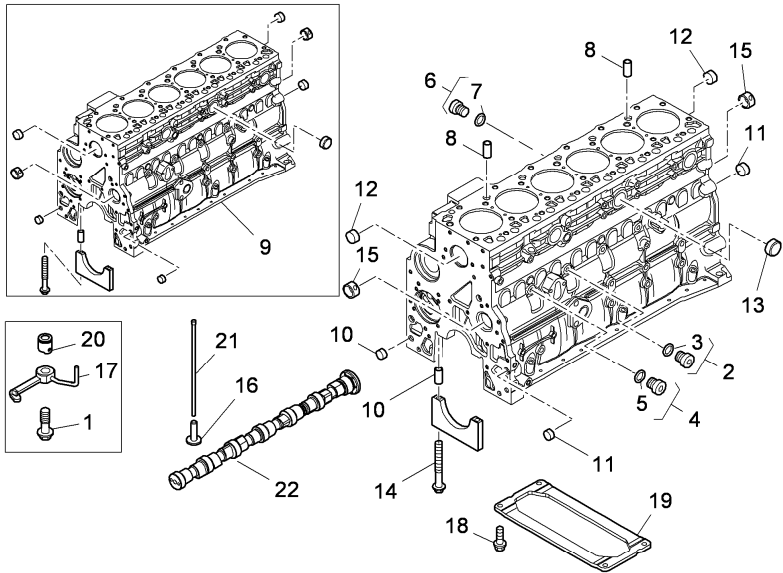
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A-05
02



A0502

Crankcase



		Inglese
1	3688692M1	6 Filler
2	3689350M1	2 Plug
3	3688868M1	1 O ring
4	3688822M1	2 Plug
5	3688855M1	1 O ring
6	3688780M1	3 Plug
7	3688781M1	1 O ring
		707405A1(1)
8	3688760M1	2 Dowel pin
9	704604A1	1 Crankcase
10	3688824M1	14 Dowel pin
		704983A1(14)
11	3688758M1	3 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
		704696A1(14)
15	3688759M1	1 Bearing
16	3688877M1	12 Platform
17	3689030M1	6 Splasher
18	704985A1	4 Bolt
		M10x25 mm

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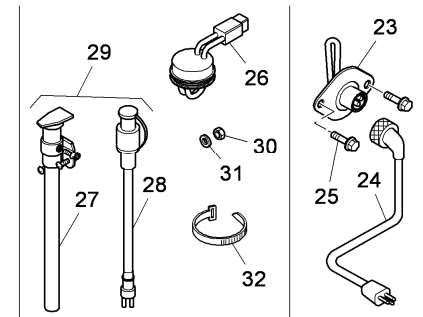
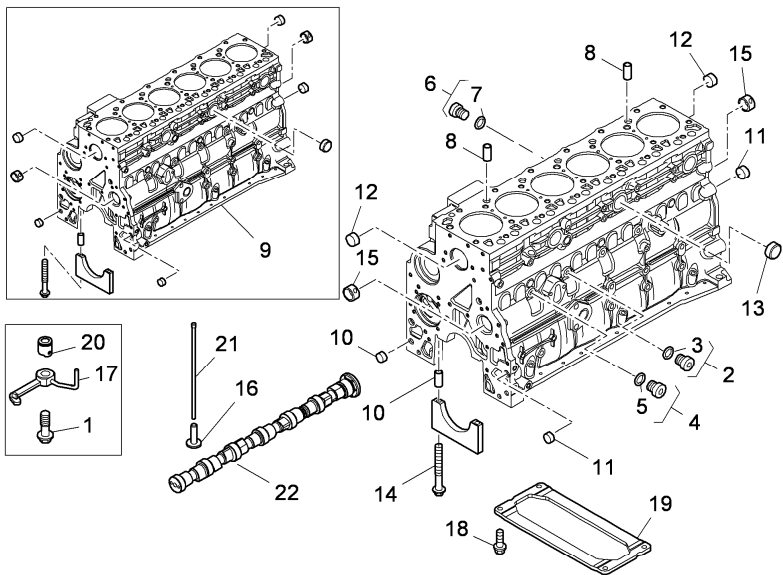
A-05
02



A0502

Crankcase

XTX4\00006683.png



		Inglese
19	705218A1	1 Plate
20	⊕ A-05 11 20	6 Piston
21	⊕ A-05 09 17	12 Rod
22	⊕ A-05 14 5	1 Camshaft
23	706388A1 A	1 Heater
24	J905113 A	1 Cable
25	844-8020 ◀▶ M8x20 mm	2 Bolt
	A	
26	706389A1 B	1 Heater
27	314722A1 ! 29	1 Cable
28	314723A1 ! 29	1 Cable
29	313126A2 ● 314722A1(1), 314723A1(1)	1 Cable
	B	
30	825-1405 ● 390995X1(1)	1 Nut
	B	
31	893-16005 B	2 Washer
32	289862C1 B	3 Clamp
! This is a component of an assembly		
⊕ See page - reference number		
◀▶ Length		
● Replacement		
A For market "n.a.o."		
B Excluded "n.a.o." market		

Engine

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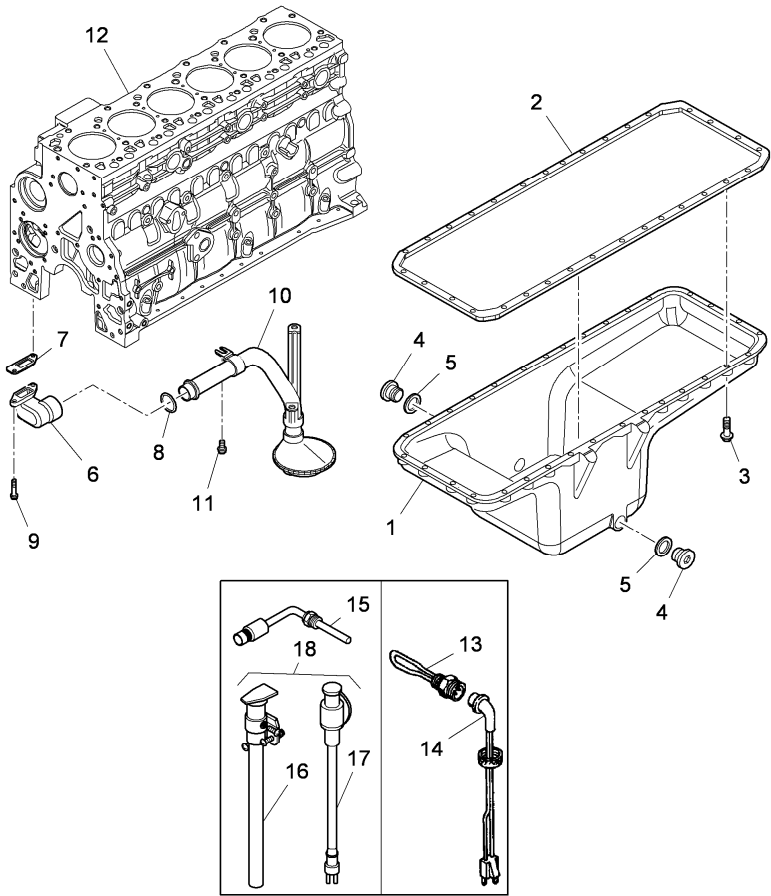
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A-05
03



A0503

Oil sump



		Inglese
1	705252A1	1 Housing
2	705082A1	1 Gasket
3	3688942M1	32 Screw
	◀ M8x30 mm	
	● 706309A1(32)	
4	3688691M1	2 Plug
5	3688997M1	2 O ring
6	705185A1	1 Insert
7	704957A1	1 Gasket
8	704589A1	1 Gasket
9	710626A1	2 Screw
	◀ M8x25 mm	
10	705298A1	1 Pipe
11	704827A1	1 Screw
	◀ M10x20 mm	
12	◁ A-05 02 9	1 Housing
13	J904380 A	1 Heater
14	J905113 A	1 Cable
15	706391A1 B	1 Heater
16	314722A1 ! 18	1 Cable
17	314723A1 ! 18	1 Cable
18	313126A2 ● 314722A1(1), 314723A1(1)	1 Cable

- ! This is a component of an assembly
- ◁ See page - reference number
- ◀ Length
- Replacement
- A N.a.o. market

Engine

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A-05
03

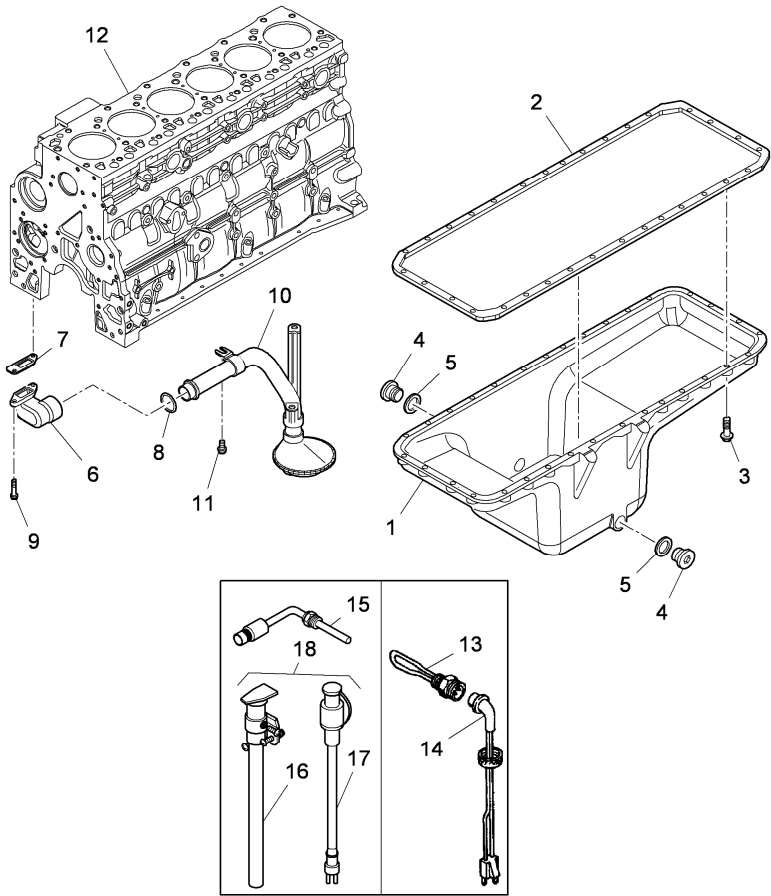


A0503

Oil sump

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B Excluded "n.a.o." market



Engine

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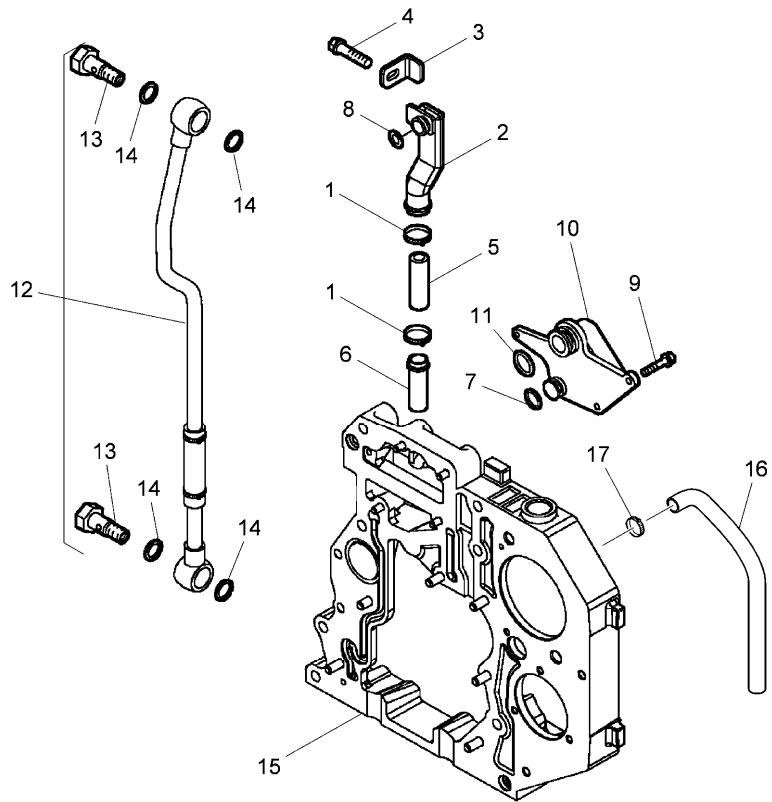
A-05
06



A0506

Engine breathers

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- 1 704728A1
 - 2 704935A1
 - 3 704936A1
 - 4 704937A1
 - 5 704939A1
 - 6 704940A1
 - 7 704960A1
 - 8 3688996M1
 - 9 3688866M1 ● 705021A1(3)
 - 10 714673A1
 - 11 714672A1
 - 12 705029A1
 - 13 3688929M1 ! 12
 - 14 3688878M1 ! 12
 - 15 <◇> A-05 04 10
 - 16 714463A1
 - 17 3551942M1
- ! This is a component of an assembly
 <◇> See page - reference number
 ● Replacement

Inglese

- 2 Clamp
- 1 Pipe
- 1 Bracket
- 1 Screw
- 1 Sleeve
- 1 Union
- 1 Gasket
- 1 O ring
- 3 Screw
- 1 Breather
- 1 Ring
- 1 Pipe
- 2 Filler
- 4 Gasket
- 1 Box
- 1 Pipe
- 1 Clamp

Engine

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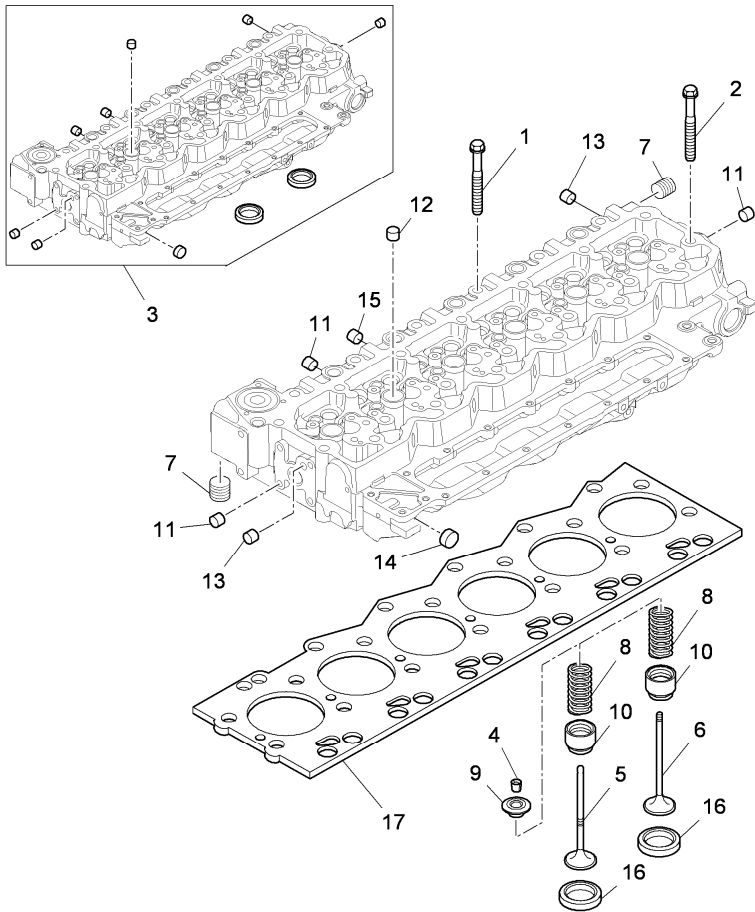
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**A-05
07**



A0507

Head cylinder



Inglese

1	3688651M1	◄►	M12x130 mm	12	Screw
2	3688652M1	◄►	M12x150 mm	14	Screw
3	3688621M1			1	Head
4	3688858M1	!	3	48	Cone
5	3688761M1	!	3	12	Valve
6	3688762M1	!	3	12	Valve
7	3688683M1	!	3	1	Plug
8	3688765M1	!	3	24	Spring
9	3688766M1	!	3	24	Cup
10	3688622M1	!	3	24	Cap
11	3688768M1	!	3	13	Plug
			25,74x8,13x1,27		
12	3688769M1	!	3	11	Plug
			22,5 mm x 1,27 m		
13	3688782M1	!	3	7	Plug
14	3688794M1	!	3	2	Plug
15	3688795M1	!	3	2	Plug
16	3688685M1	!	3	24	Valve seat
		●	N.L.S.(24)		
17	3688616M1	!	3	1	Gasket

- ! This is a component of an assembly
- ◄► Length
- Replacement

Engine

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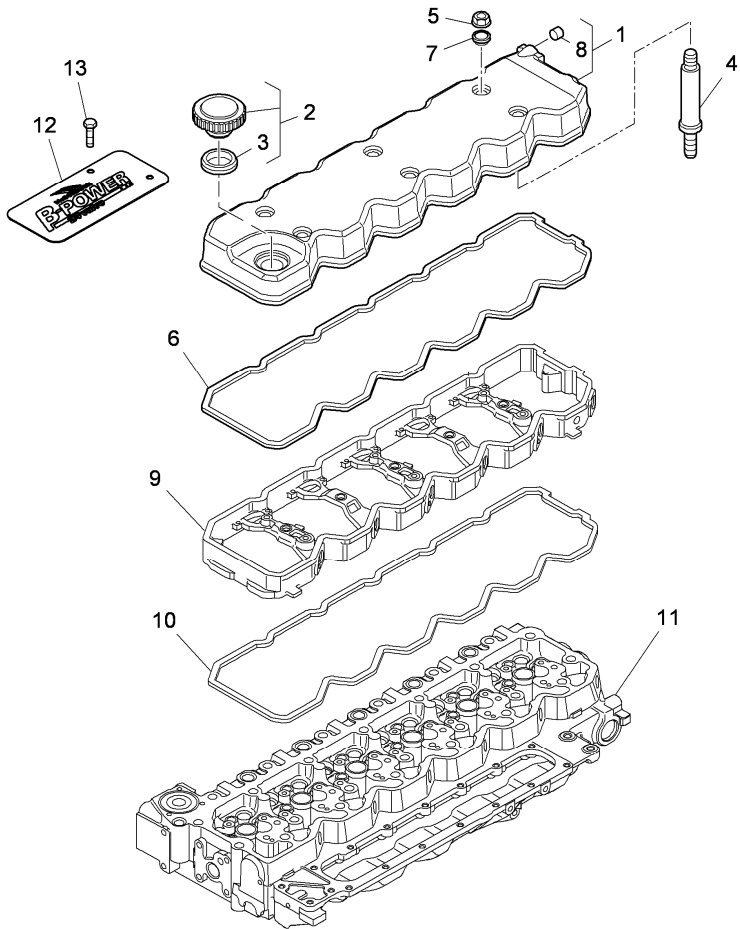
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A-05
08



A0508

Cylinder head cover



		Inglese
1	3688802M1	1 Cover
2	3689018M1	1 Plug
3	3689016M1 ! 2	1 Gasket
4	3689104M1	6 Screw
5	3689057M1	6 Nut
6	3689038M1	1 Gasket
7	3689040M1	6 Spacer
8	3688819M1 ! 1	1 Plug
	● 704956A1(1)	
9	◁ A-05 09 13	1 Spacer
10	◁ A-05 09 19	1 Gasket
11	◁ A-05 07 3	1 Head
12	707729A1	1 Note plate
13	555-1 ◀ M8x16 mm	2 Bolt

! This is a component of an assembly

◁ See page - reference number

◀ Length

● Replacement

Engine

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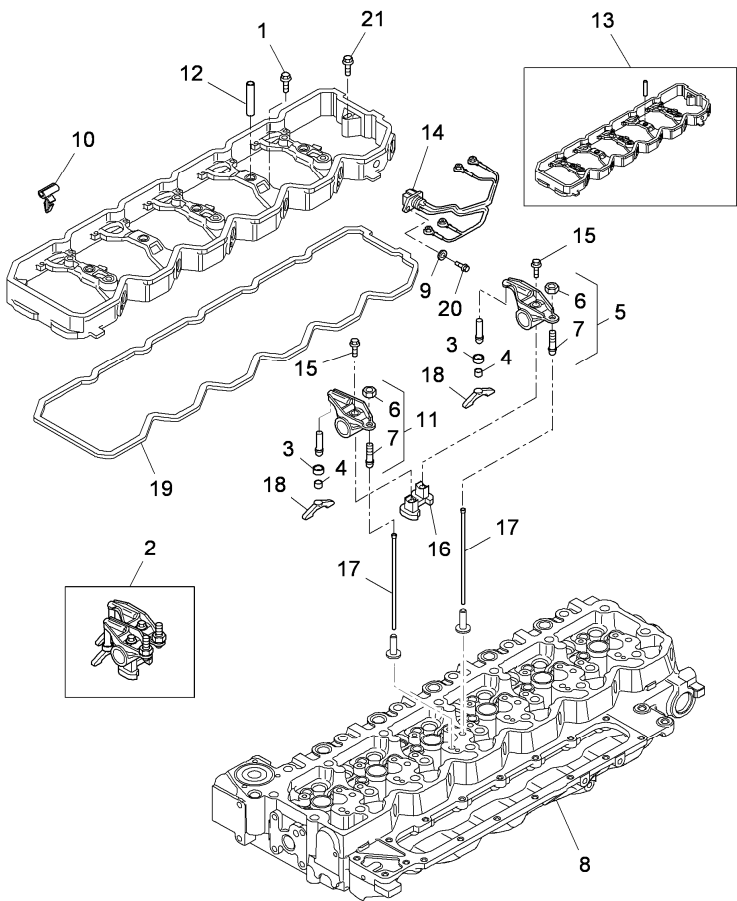
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A-05
09



A0509

Rocker shaft



		Inglese	
1	3688796M1	◄► M8x70 mm	5 Screw
		● 704858A1(5)	
2	3688820M1	● 6503095M2(1)	6 Shaft
3	3688816M1	● 6513400M1(1)	12 Cup
4	3688815M1	● 6513401M1(12)	12 Skate
5	3688764M1	● 6513402M91(6)	6 Rocker
6	A		12 Nut
7	3688604M1	● 6513404M1(12)	12 Screw
8		◁ A-05 07 3	1 Head
9	3688950M1	● 707347A1(3)	3 Lock washer
10	3689037M1	● 705197A1(6)	6 Spring
11	3688763M1	● 6513405M91(6)	6 Rocker
12	3688871M1	● 705039A1(5)	5 Bush
13	3688872M1		1 Spacer
14	3689025M1		3 Cable
15	3688609M1	➔ 37131	12 Screw
		● 704622A1(12)	
15	3688860M1	➔ 37130	12 Screw
		● 707345A1(12)	
		● 704735A1(6)	6 Support
16	3688687M1		12 Rod
17	3688756M1		12 Bridge
18	3689067M1		1 Gasket
19	3689039M1		3 Screw
20	3688945M1	◄► M6x16 mm	
		● 704572A1(3)	

Engine

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09



A0509

Rocker shaft

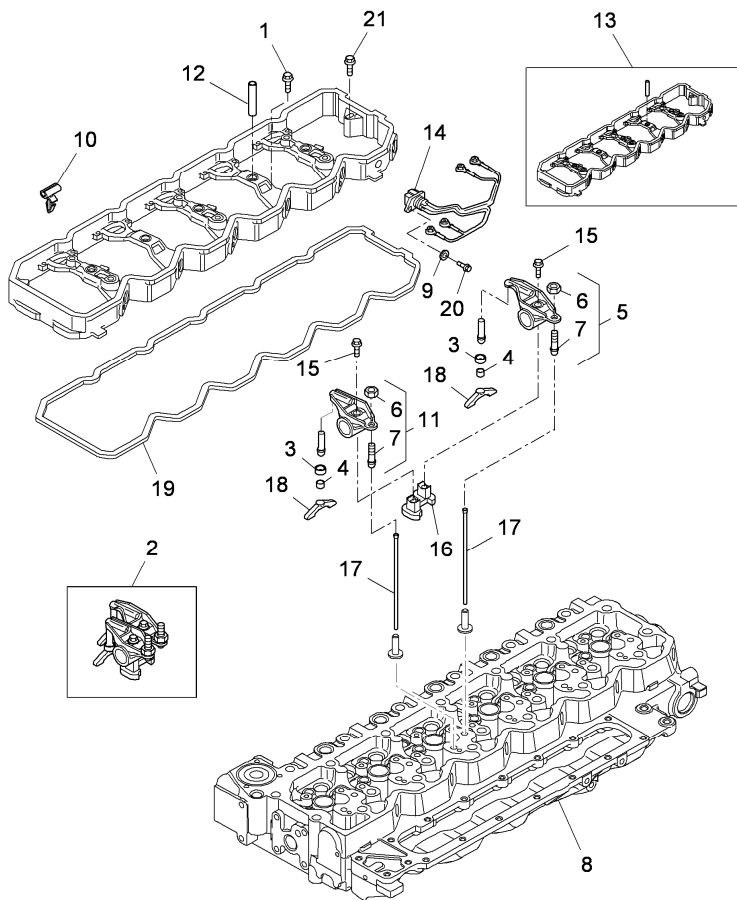
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Inglese

21 3688863M1 ● 705011A1(2)

2 Screw

- ➔ From serial or engine number
- ➡ Up to serial or engine number
- 👁 See page - reference number
- ↔ Length
- Replacement
- A To be advised



Engine

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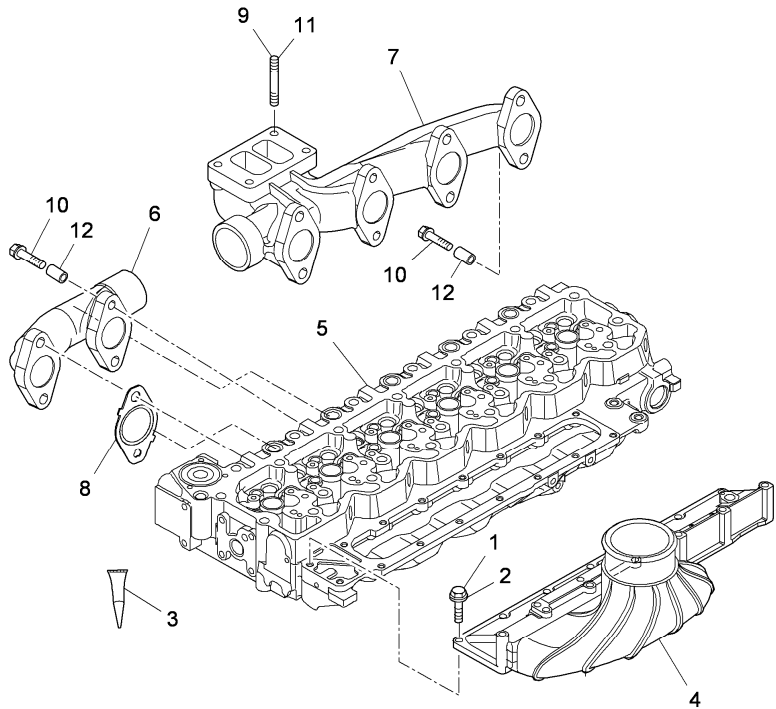
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**A-05
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A0510

Intake and exhaust manifold



		Inglese
1	3688777M1	2 Screw
2	3688850M1	8 Screw
3	3688633M1	1 Adhesive
4	3689091M1	1 Duct
5		1 Head
6	3688619M1	1 Manifold
7	3689060M1	1 Manifold
8	3688610M1	6 Gasket
9	3688861M1	3 Screw
10	3688774M2	12 Screw
11	3688946M1	1 Screw
12	3688620M1	12 Spacer

☞ See page - reference number

◄ Length

● Replacement

A Inlet

B Exhaust

Engine

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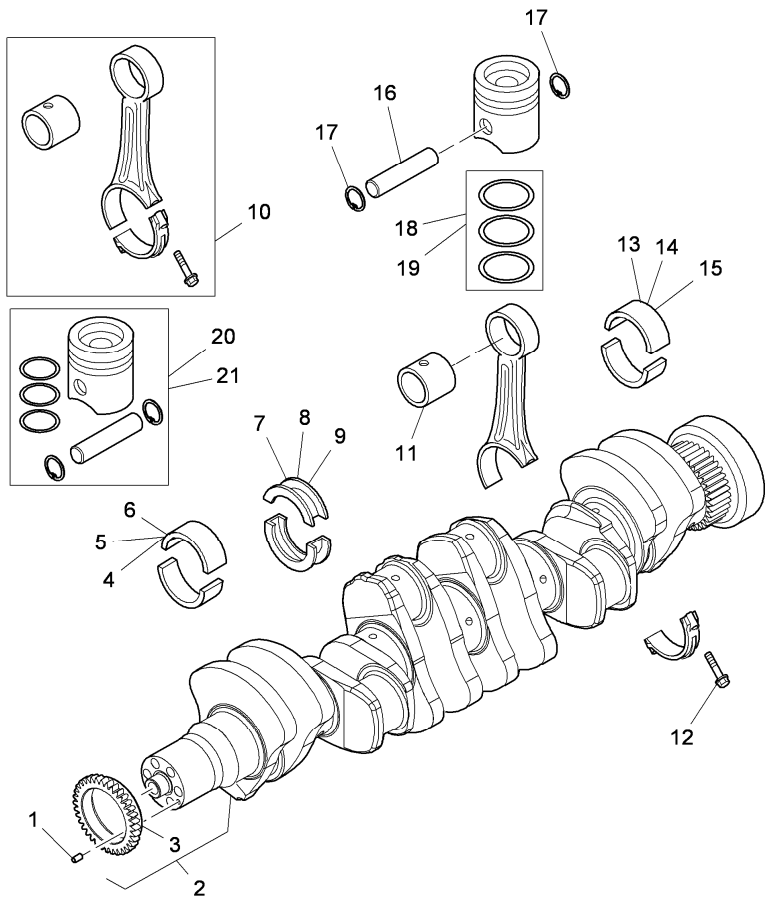
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A-05
11



A0511

Crank shaft - connecting rods



1	3688851M1	●	704992A1(1)
2	705157A1	●	705157A2(1)
3	704730A1	!	2
4	3688637M1		
5	3688638M1	✕	-0,250 mm
6	3688639M1	✕	-0,500 mm
7	3688634M1		
8	3688635M1	✕	-0,250 mm
9	3688636M1	✕	-0,500 mm
10	3688624M1		
11	3688675M1	!	10
12	3688623M1	!	10
13	3688880M1		
14	4206388M1	✕	-0,250 mm
15	4206389M1	✕	-0,500 mm
16	3688676M1		
17	3689087M1		
18	706290A1	●	3688921M1(1)
19	707354A1	✕	+0,400 mm
		●	713981A1(6)
20	707353A1	●	3688927M1(1)
21	707355A1	✕	+0,400 mm
		●	3688928M1(1)

Inglese

1	Dowel pin
1	Shaft
1	Gear
6	Cuscinet
6	Cuscinet
6	Cuscinet
1	Cuscinet
1	Bearing
1	Cuscinet
6	Conrod
1	Bush
2	Screw
6	Cuscinet
6	Cuscinet
6	Cuscinet
6	Cuscinet
12	Ring
6	Kit
6	Kit
6	Piston
6	Piston

! This is a component of an assembly
✕ Shim

Engine

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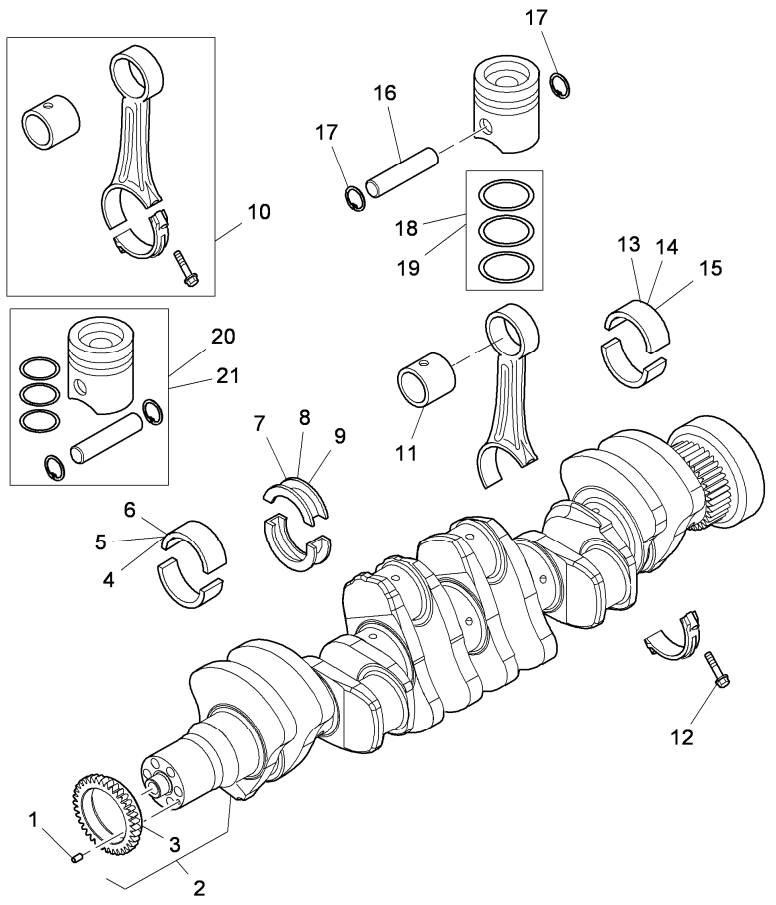
Crank shaft - connecting rods

TTX Tier 3 (2007-) - XTX4 - 210



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● Replacement



Engine

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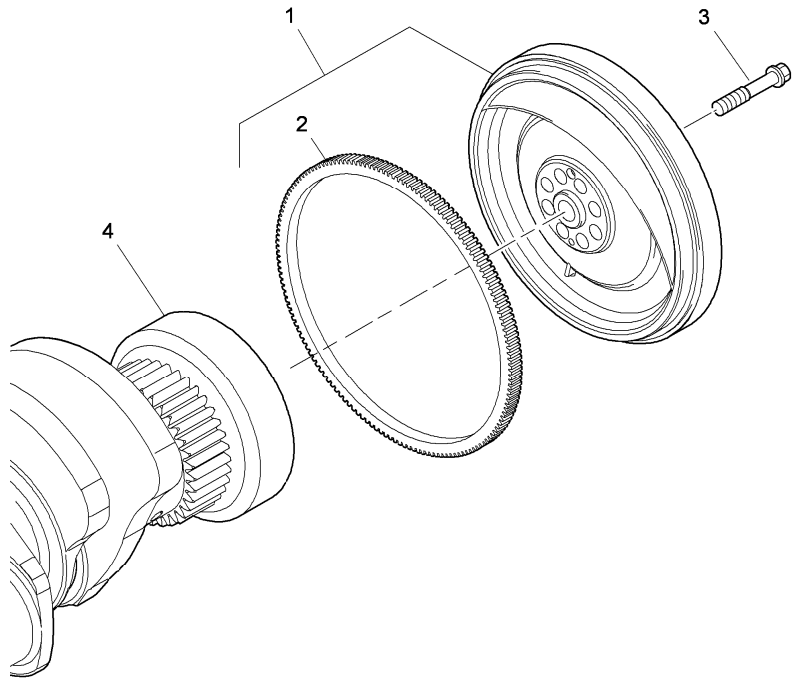
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A-05
12



A0512

Engine flywhell - damper



- 1 705228A1
- 2 705069A1 ! 1
● N.L.S.(1)
- 3 704752A1
- 4 A-05 11 2
- ! This is a component of an assembly
- See page - reference number
- Replacement

Inglese

- 1 Flywheel
- 1 Crownwheel
- 8 Screw
- 1 Shaft

Engine

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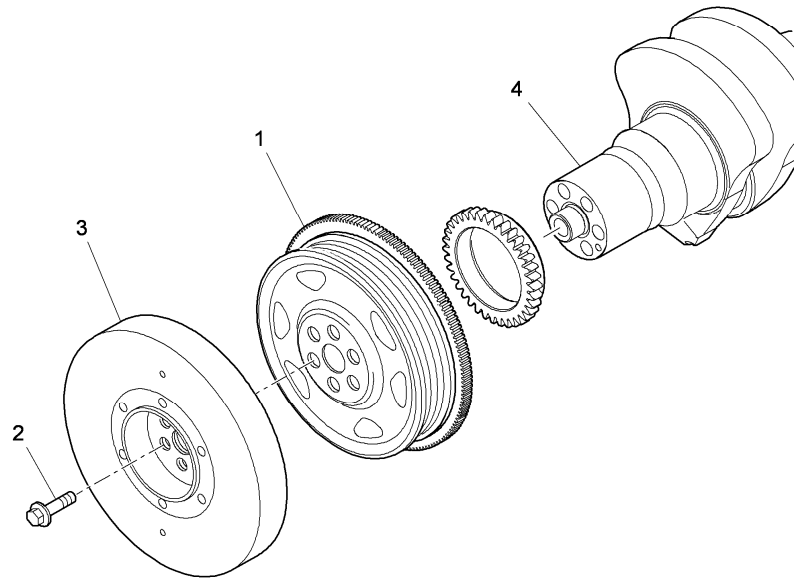
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A0513

Vibration damper



- 1 704899A1
 - 2 3688681M1
 - 3 704720A1
 - 4  A-05 11 2
-  See page - reference number

Inglese

- 1 Pulley
- 6 Screw
- 1 Kit
- 1 Shaft

Engine

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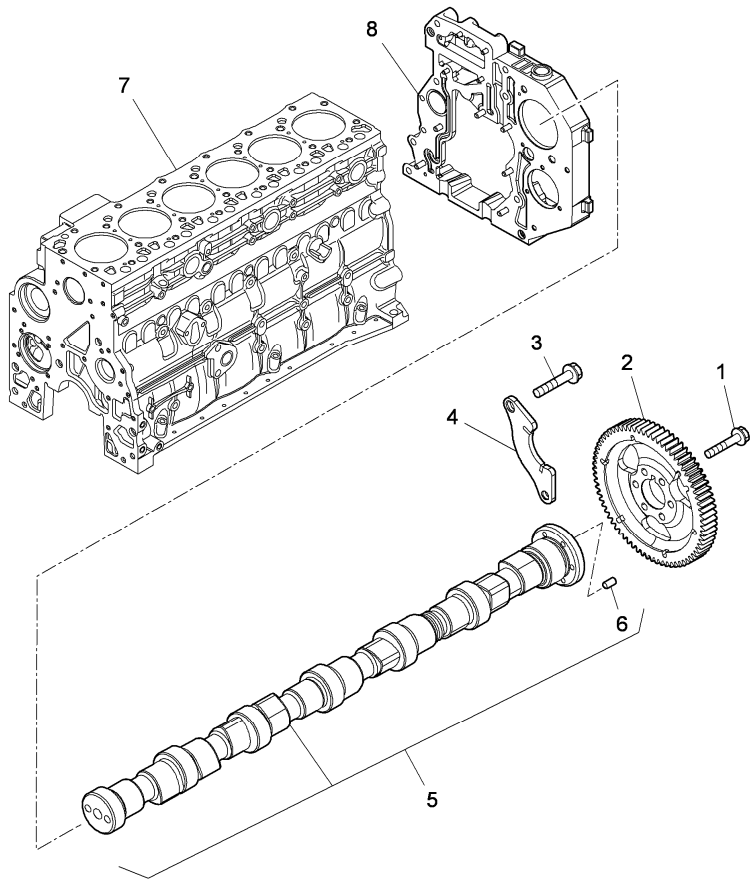
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**A-05
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A0514

Timing parts



		Inglese
1	3688856M1	6 Screw
2	704887A1	1 Pinion
3	3688854M1	2 Screw
	◄ M8x17 mm	
	● 704997A1(2)	
4	3688818M1	1 Stirrup
	● 704931A1(1)	
5	3689061M1	1 Camshaft
6	3688857M1	1 Screw
	! 5	
	● 705005A1(1)	
7	◁ A-05 02 9	1 Housing
8	◁ A-05 04 10	1 Rotor drive
!	This is a component of an assembly	
◁	See page - reference number	
◄	Length	
●	Replacement	

Engine

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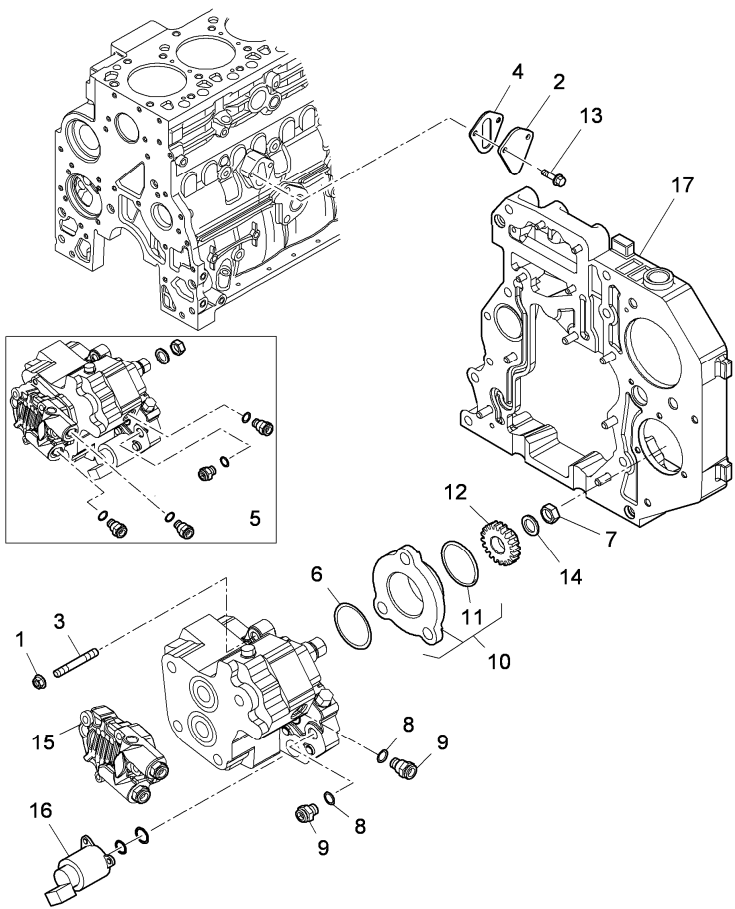
**A-05
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A0515

Fuel injection equipment

XTX4\00006702.png



		Inglese
1	3688948M1	3 Nut
2	3688811M1	1 Coperch.
3	704575A1	3 Stud
4	3688642M1	1 Gasket
5	3688821M1	1 Pump
6	3689012M1	1 O ring
7	3688641M1	1 Nut
8	3689015M1	4 Gasket
9	3688689M1	4 Union
10	705116A1	1 Spacer
11	704591A1	1 Gasket
12	704731A1	1 Pinion
13	3688941M1	2 Screw
14	3688990M1	1 Washer
15	⊕ A-05 17 10	1 Pump
16	⊕ A-05 17 1	1 Adjuster
17	⊕ A-05 04 10	1 Rotor drive

! This is a component of an assembly

⊕ See page - reference number

◄ Length

● Replacement

Engine

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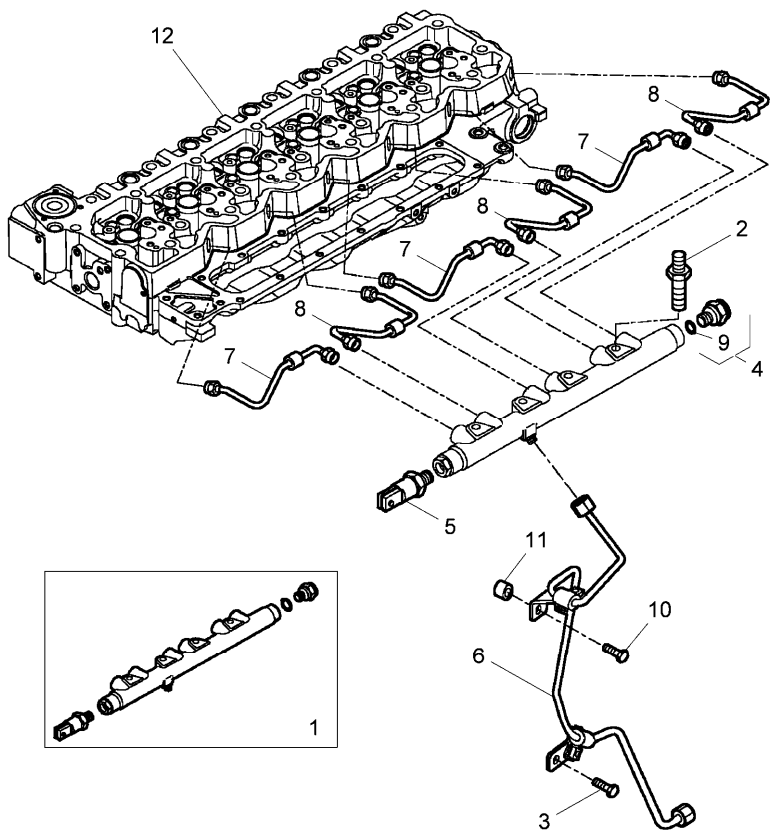
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**A-05
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A0516

Accumulator hydraulic



		Inglese		
1	3689071M1	●	3689071M2(1)	1 Accumulator
2	3689029M1	●	705148A1(4)	4 Screw
3	3688941M1	◄	M8x20 mm	1 Screw
		●	710625A1(1)	
4	3689078M1	!	1	1 Valve
		●	3689078M2(1)	
5	3689100M1	!	1	1 Sensor
		●	3689100M2(1)	
6	4218885M1			1 Pipe
7	4218886M1			3 Pipe
8	4218887M1			3 Pipe
9	4218938M1	!	4	1 Ring
10	704904A1			1 Screw
11	714693A1			1 Spacer
12		◊	A-05 07 3	1 Head

- ! This is a component of an assembly
- ◊ See page - reference number
- ◄ Length
- Replacement

Engine

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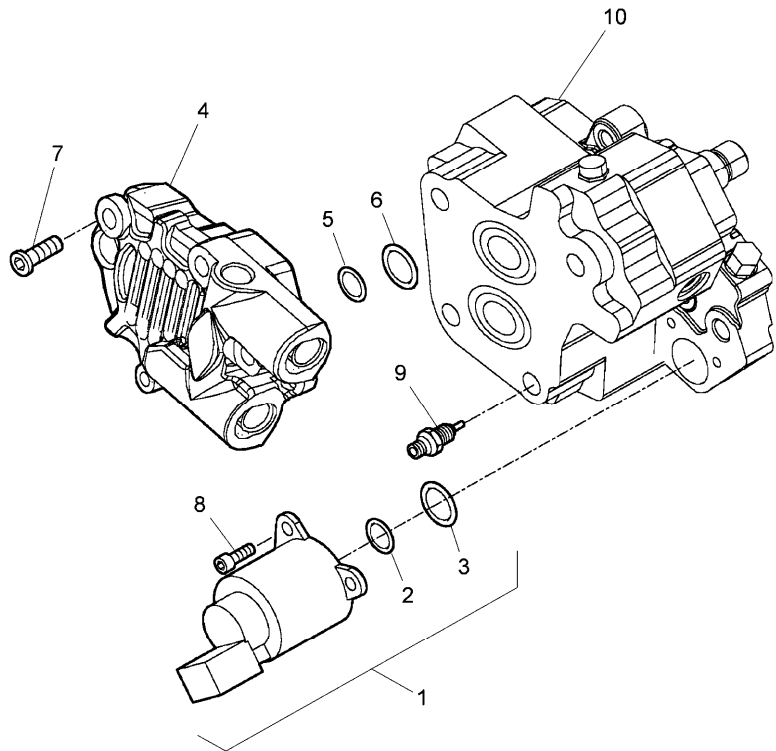
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**A-05
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A0517

Injection pump (componenti)



		Inglese
1	3689009M1	1 Adjuster
2	3689008M1 ! 1	1 O ring
3	3689007M1 ! 1	1 O ring
4	3689010M1 ● 3689010M2(1)	1 Pump
5	3689013M1	1 O ring
6	3689011M1	1 O ring
7	3689112M1 ● 6525662M1(4)	4 Screw
8	3689128M1 ● 6525661M1(3)	3 Screw
9	3689129M1	1 Valve
10	◁ A-05 15 5	1 Pump
!	This is a component of an assembly	
◁	See page - reference number	
●	Replacement	

Engine

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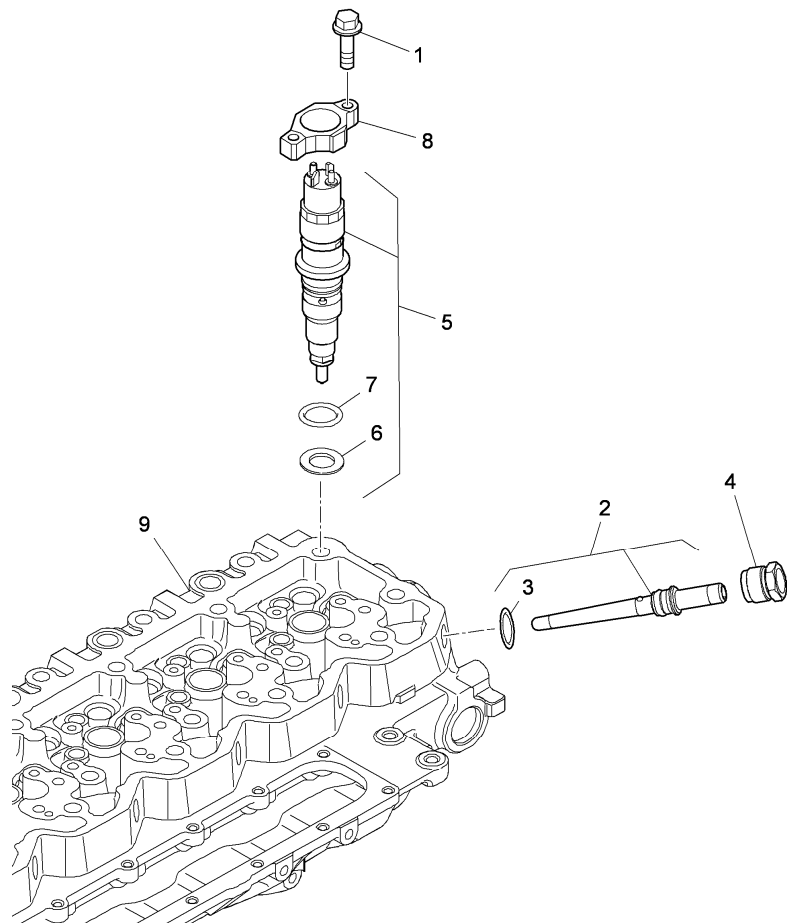
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A0518

Nozzles



1 3688798M1

2 3689089M1

3 3688649M1 ! 2

4 3688688M1

5 3689085M1

6 3688876M1 ! 5

7 3688648M1 ! 5

8 3689084M1

9 A-05 07 3

! This is a component of an assembly

 See page - reference number

Inglese

12 Screw

6 Pipe

1 Ring

6 Nut

6 Nozzle

1 Washer,locking

1 Ring


1 Stirrup

1 Head

Engine

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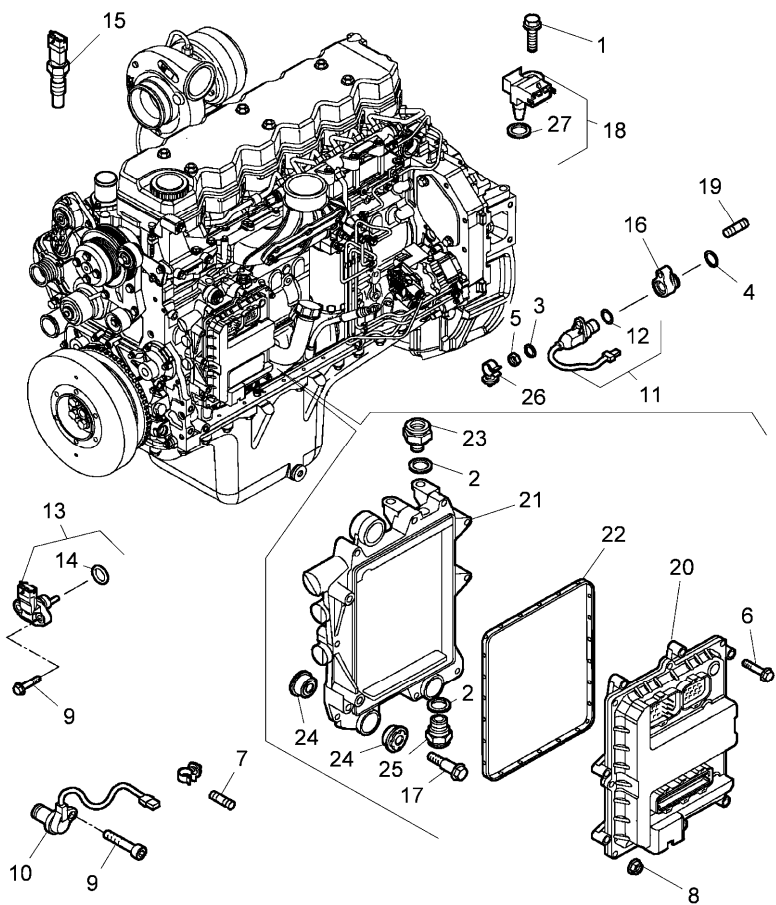
**A-05
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A0519

Electronic control unit

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		Inglese
1	3688801M1	1 Screw
2	4206399M1	2 Ring
3	705023A1	2 Washer
4	704588A1	1 O ring
5	714708A1	1 Nut
6	3688931M1	◀ M6x30 mm 7 Screw
7	714709A1	1 Stud
8	714711A1	1 Nut
9	3688866M1	● 705021A1(3) 3 Screw
10	704677A1	A 1 Sensor
11	707382A1	A 1 Sensor
12	3688993M1	! 11 1 O ring
13	3688640M1	● 3688640M2(1) 1 Sensor
		B
		C
14	3688797M1	! 13 1 O ring
15	3688813M1	C 1 Sender
16	704702A1	1 Support
17	705003A1	3 Screw
18	3689055M1	● 6513418M91(1) 1 Sensor
		D
		C
19	704800A1	1 Stud
20	3688920M1	● N.L.S.(1) 1 Electronic unit control

Engine

TTX Tier 3 (2007-) - XTX4 - 210

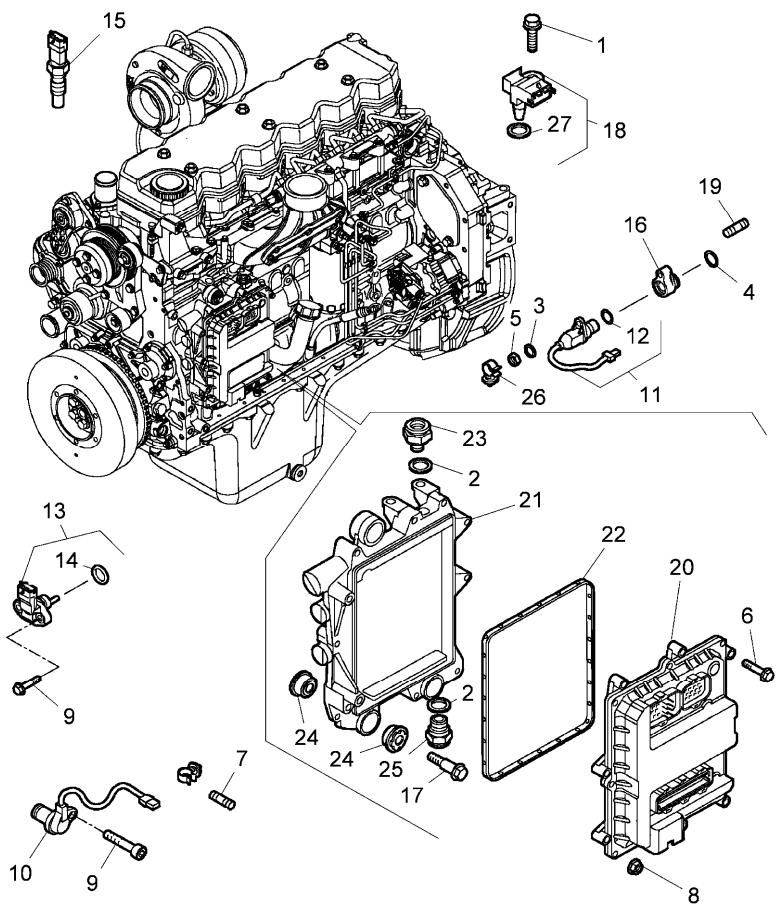
**A-05
19**



A0519

Electronic control unit

XTX4\00006707.png



- 21 3689086M1
- 22 3689053M1
- 23 704894A1
- 24 3689019M1
- 25 3688650M1
- 26 705180A1
- 27 4206392M1

Inglese

- 1 Support
- 1 Gasket
- 1 Coupler
- 6 Spacer
- 1 Union
- 2 Clip
- 1 O ring

- ! This is a component of an assembly
- ◄ Length
- Replacement
- A Speed
- B Oil pressure
- C Temperature
- D Air pressure

Engine

TTX Tier 3 (2007-) - XTX4 - 210

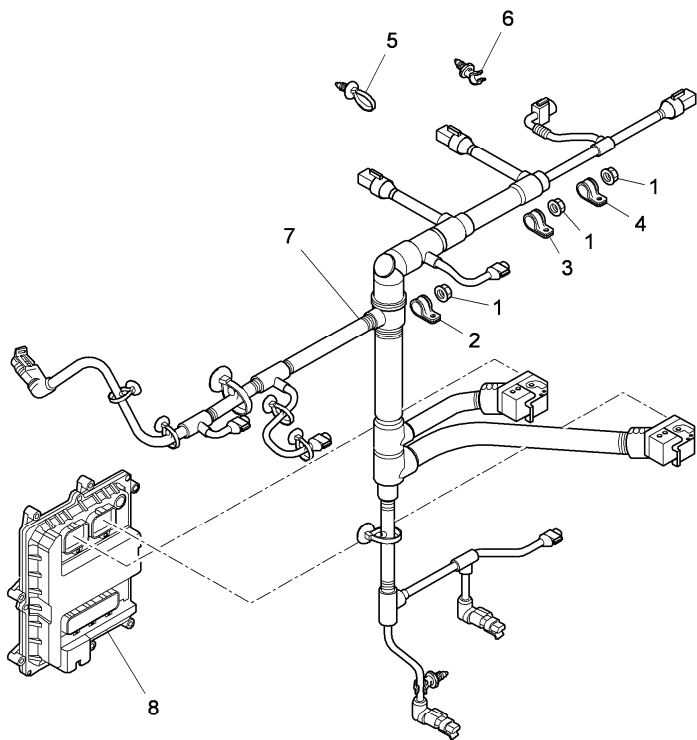
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A-05
20



A0520

Engine wiring



- 1 3688947M1
- 2 714911A1
- 3 3689001M1 ● 704593A1(1)
- 4 704594A1
- 5 707369A1
- 6 705180A1
- 7 714718A1
- 8 ◁ A-05 19 20

- ◁ See page - reference number
- Replacement

Inglese

- 3 Nut
- 1 Stirrup
- 1 Stirrup
- 1 Stirrup
- 1 Clip
- 1 Clip
- 1 Harness
- 1 Electronic unit control



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Engine

TTX Tier 3 (2007-) - XTX4 - 210

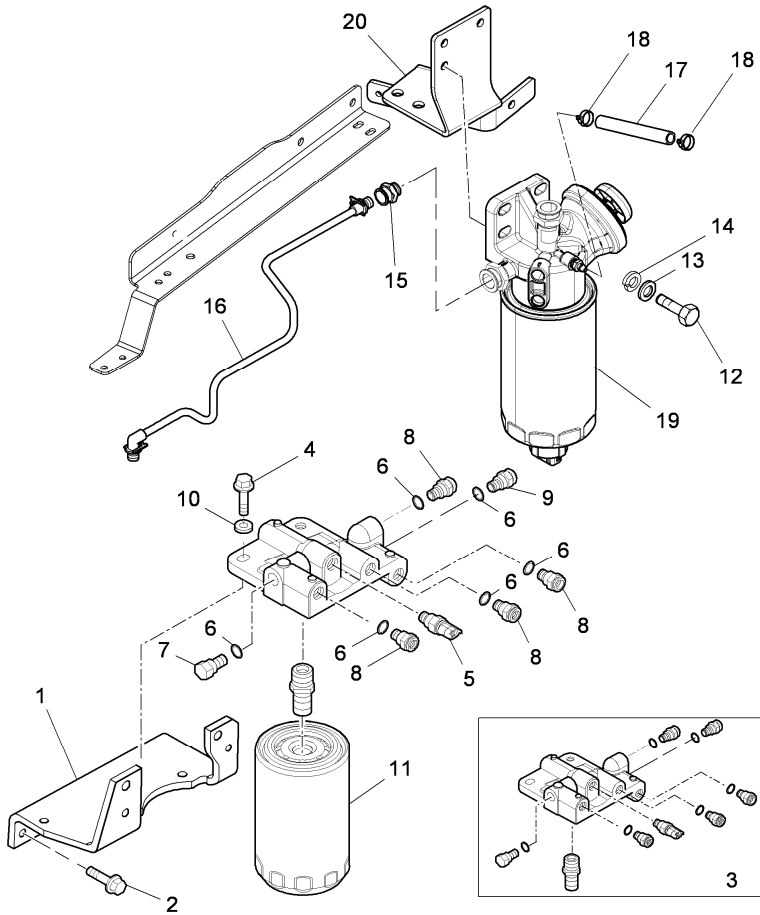
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**A-05
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A0521

Fuel filter



		Inglese
1	4218939M1	1 Support
2	3688941M1	4 Screw
	◀▶ M8x20 mm	
	● 710625A1(4)	
3	705297A1	1 Support
4	704647A1	2 Screw
5	3688813M1	1 Sender
6	3688754M1	6 Ring
7	704734A1	1 Plug
8	3688650M1	4 Union
9	3688808M1	1 Union
	● 704895A1(1)	
10	704645A1	2 Washer
11	711853A1	1 Filter
12	339337X1	3 Screw
	◀▶ M8x30 mm	
13	390972X1	3 Washer
	● Substitutions error	
14	1440313X1	3 Lock washer
	● Substitutions error	
15	◁▷ C-32 08 39	1 Connector
16	◁▷ C-32 08 37	1 Pipe
17	◁▷ C-32 08 7	1 Hose
18	◁▷ C-32 08 13	2 Element, joining
19	◁▷ A-05 211 1	1 Pre filter
20	4206729M92	1 Support
◁▷	See page - reference number	
◀▶	Length	
●	Replacement	

Engine

TTX Tier 3 (2007-) - XTX4 - 210

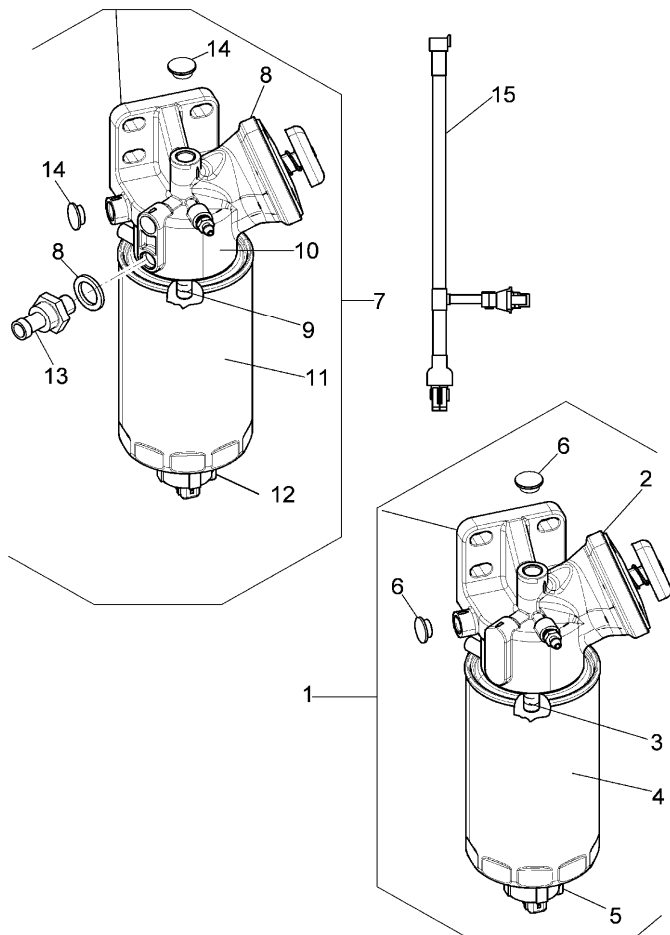
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211



A05211

Pre filter



			Inglese
1	4206777M91	A	1 Pre filter
2	!	1	1 Sensor
	➡	Ref.n.1	
3	4207839M1	!	1 Insert
	●	N.L.S.(1)	
4	4215225M1	!	1 Filter
	●	4215225M2(1)	
5	4215224M1	!	1 Warn indicator
6	4207835M1	!	2 Plug
	●	N.L.S.(2)	
7	3696551M91	B	1 Pre filter
8	!	7	1 Sensor
	➡	Ref. n.7	
9	!	7	1 Insert
	➡	Ref. n.7	
10	!	7	1 Heater
	➡	Ref. n.7	
11	4215225M1	!	1 Filter
	●	4215225M2(1)	
12	4215224M1	!	1 Warn indicator
13	4218508M91	!	1 Thermostat
14	!	7	2 Plug
	➡	Ref. n.7	
15	4216333M91	B	1 Bridle
!	This is a component of an assembly		
➡	Not serviced, order		

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