

Engine

6400 - 6600 isr-ism-vrm (2011-) - RS43 - 6450 ism-vrm

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A-05
01



A0501

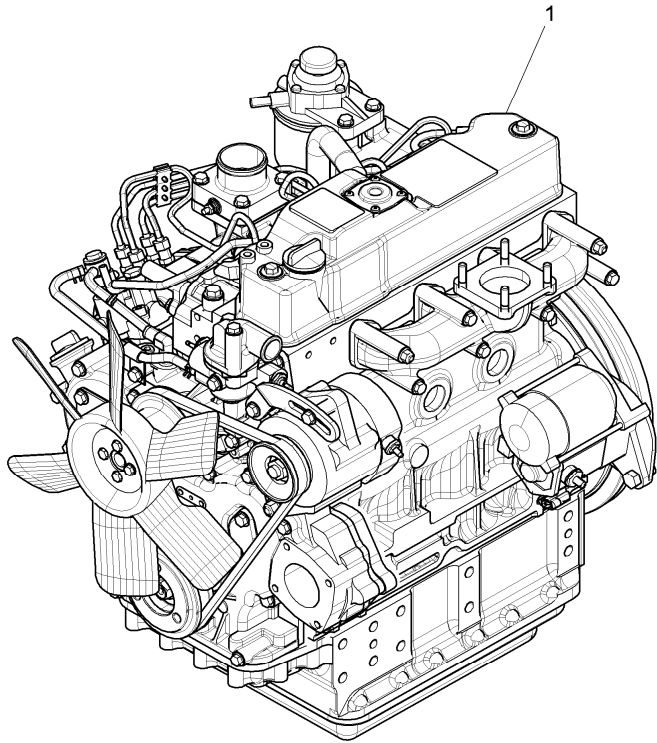
Engine assembly

Inglese

1 4221983M91

Yanmar 4tnv88

1 Engine



Engine

6400 - 6600 isr-ism-vm (2011-) - RS43 - 6450 ism-vm

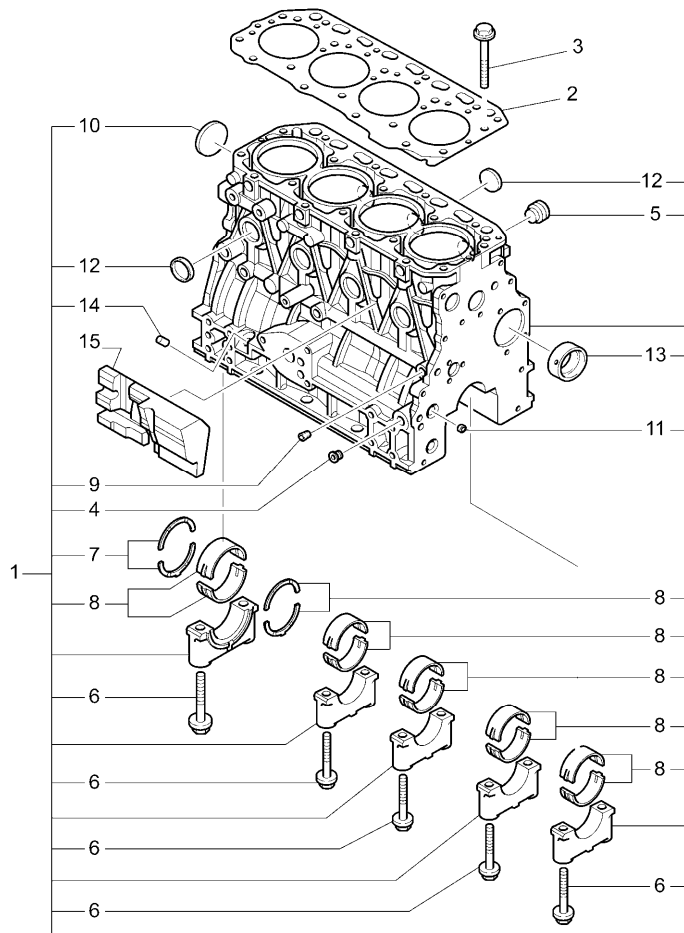
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A-05
02



A0502

Cylinder block



				Inglese
1	3681363M1	T-A 33:50		1 Kit
2	3653740M1	(X) 1.3.6.1 T-A 5:50		1 Gasket
3	3653428M1			18 Stud
4	3653316M1	T-A 0:25		2 Plug
5	3653796M1	! 1 T-A 0:25		1 Plug
6	3653429M1	! 1		10 Bolt
7	3653432M1	! 1		2 Ring
		● 4215968M1(2) T-A 16:50		
7	3653433M1	! 1		2 Ring
		● 4215970M1(2) A T-A 16:50		
8	3653336M1	! 1		5 Kit
		● 4215967M1(5)		
8	3653431M1	! 1		5 Ring
		● 3653431M2(5) B T-A 16:50		
9	3678007M1	! 1 T-A 0:25		1 Plug
10	3664445M1	! 1		1 Plug
11	3653888M1	! 1		2 Plug

Engine

6400 - 6600 isr-ism-vm (2011-) - RS43 - 6450 ism-vm

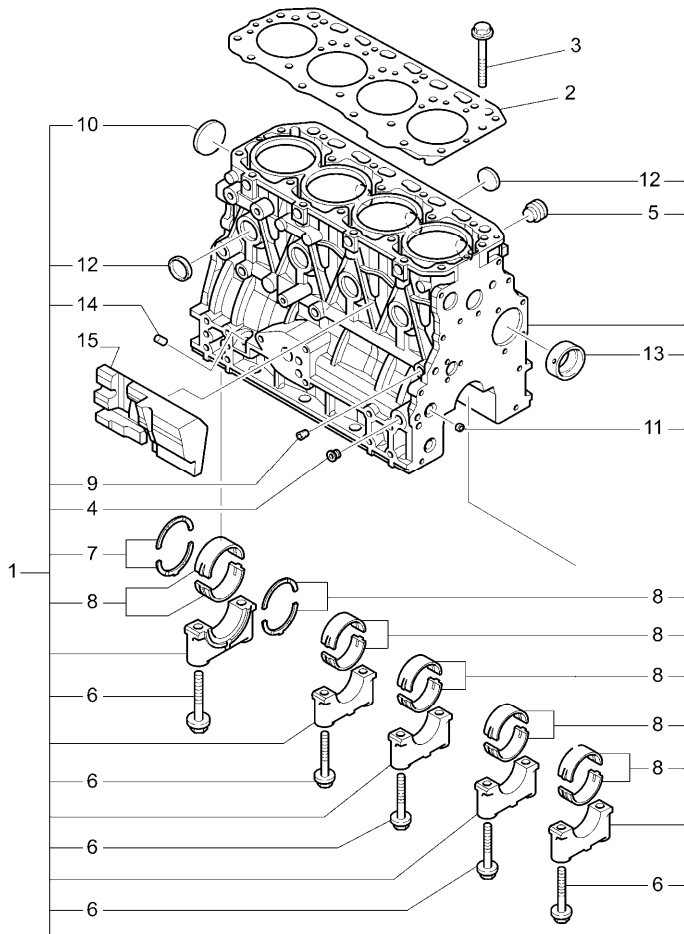
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A-05
02



A0502

Cylinder block



		Inglese		
12	3653889M1	!	1	8 Plug
		●	3653889M2(8)	
		T-A	0:75	
13	3653791M1	!	1	1 Bearing
		T-A	31:0	
14	3677943M1	!	1	1 Plug
15	3678014M1	!	1	1 Spacer
	!	This is a component of an assembly		
	●	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	Over-size (0,25mm) part.		
	B	Under-size (0,25mm) part.		

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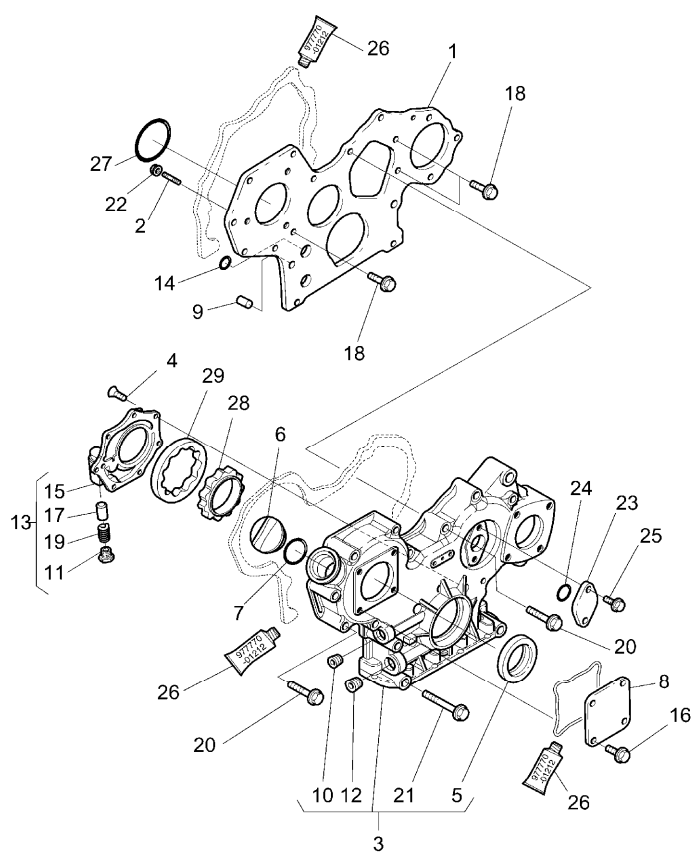
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A-05
03



A0503

Distribution cover



		Inglese
1	3678023M1	1 Flange
2	3677969M1	M8x25
3	3680176M1	1 Stud
4	3677981M1	M6x16
5	3653788M1	! 3
		72x55x9
	(X)	1.3.6.1
6	3653315M1	1 Plug
7	3653835M1	! 6
8	3653320M1	1 O ring
9	3653789M1	1 Coperch.
10	3665018M1	2 Bush
11	3678013M1	! 3
12	3678309M1	! 13
13	3677980M1	! 1 Plug
14	3677944M1	! 13
15	3677979M1	! 1 Cover
16	3653858M1	M8x16
17	3678295M1	! 4 Bolt
18	3653858M1	! 13
19	3678043M1	! 1 Valve
20	3653865M1	M8x16
21	3664450M1	! 3 Bolt
		! 13
		1 Spring
		11 Bolt
		3 Bolt
		M8x85
22	3666905M1	3 Nut

Engine

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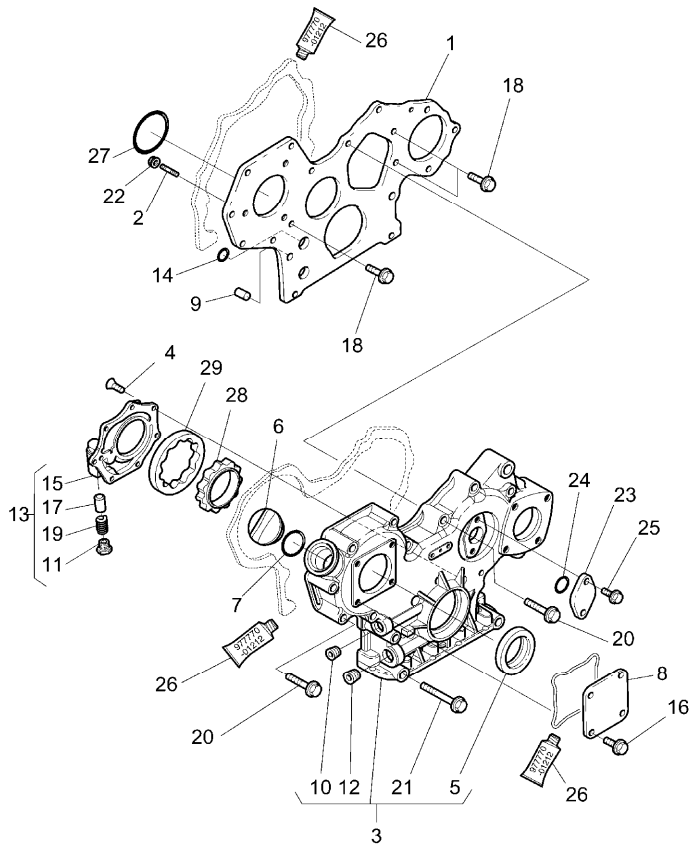
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03



A0503

Distribution cover



				Inglese
23	3653299M1			1 Cover
24	3653841M1			1 O ring
25	3653853M1	M6x16		2 Bolt
26	3653908M1	 3653908M2(1)		1 Gasket
		A		
27	3653310M1			1 O ring
28	3680177M1			1 Rotor
29	3680178M1			1 Rotor
!	This is a component of an assembly			
	Replacement			
(X)	Qty per tractors sold (aa.bbb.ccc.ddd) (aa) for 1,(bbb) 2-10 (ccc) 11-25 (ddd) 26-50			
A	For application, refer to workshop manual			

Engine

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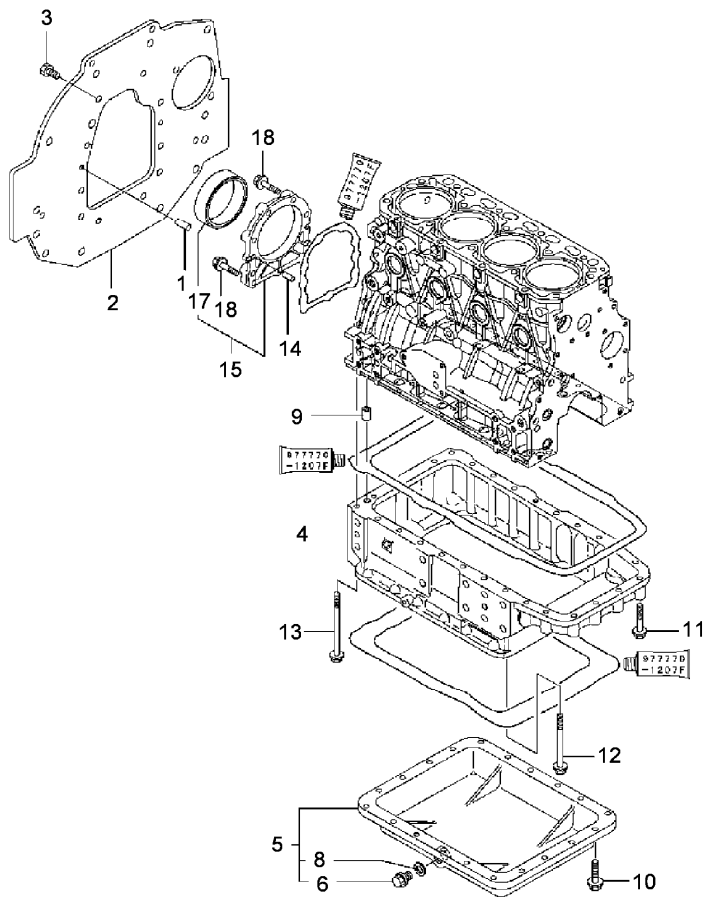
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A-05
04



A0504

Lubricating oil pump and delivery housing



- | | | | |
|----|-----------|---|--------------|
| 1 | 3653378M1 | | |
| 2 | 4221984M1 | | |
| 3 | 3653872M1 | | |
| 4 | 3685498M1 | | |
| 5 | 3685499M1 | | |
| 6 | 3653253M1 | ! | 5 |
| 8 | 3653811M1 | ! | 5 |
| 9 | 3686501M1 | | |
| 10 | 3653860M1 | | |
| 11 | 3653864M1 | | |
| 12 | 3653351M1 | | |
| 13 | 3653352M1 | | |
| 14 | 3653378M1 | | |
| 15 | 3653379M1 | ● | 4206673M1(1) |
| 17 | 3653787M1 | ! | 15 |
| | | ● | 3653787M2(1) |
| 18 | 3653772M1 | | |

Inglese

- | | |
|----|---------|
| 2 | Dowel |
| 1 | Flange |
| 10 | Bolt |
| 1 | Spacer |
| 1 | Pan |
| 1 | Plug |
| 1 | Bush |
| 1 | Pipe |
| 20 | Bolt |
| 8 | Bolt |
| 14 | Bolt |
| 4 | Bolt |
| 2 | Dowel |
| 1 | Housing |
| 1 | Seal |
| 9 | Bolt |

! This is a component of an assembly
● Replacement

Engine

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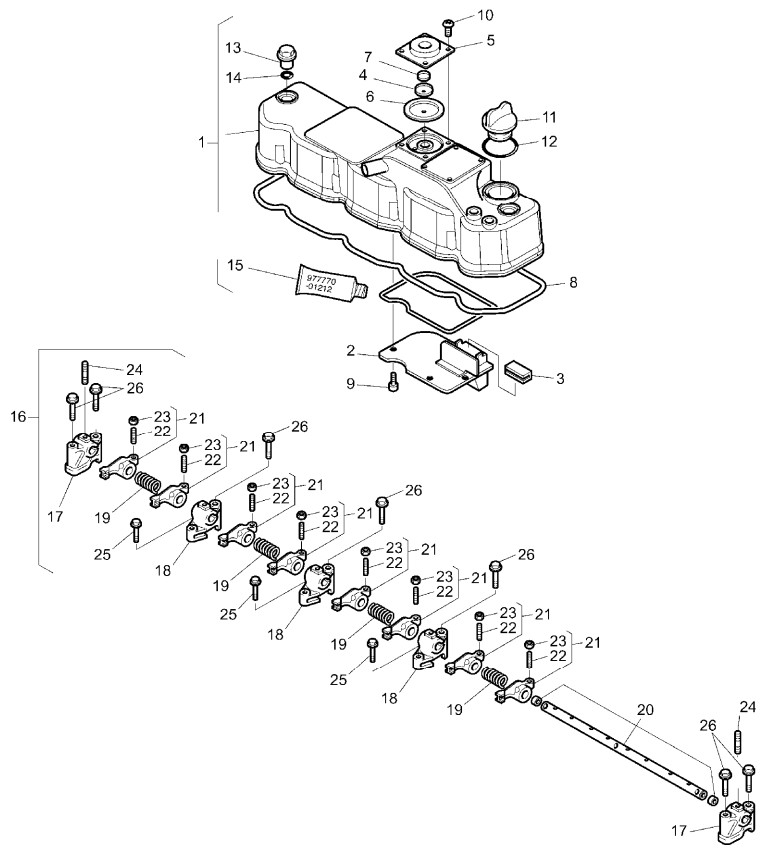
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05



A0505

Cylinder head-rocker shaft



		Inglese	
1	3680190M1		1 Coperch.
2	3680191M1	! 1	1 Plate
3	3653435M1	! 1	1 Guard
4	3680210M1	! 1	1 Plate
5	3680211M1	! 1	1 Coperch.
6	3680212M1	! 1	1 Diaphragm
7	3680213M1	! 1	1 Spring
8	3680214M1	! 1	1 Gasket
9	3665010M1	(X) 1.3.6.1 ! 1 M5x10	4 Screw
10	3665010M1	! 1 M5x10	4 Screw
11	3653315M1	! 1	1 Plug
12	3653835M1	! 1	1 O ring
13	3653317M1	! 1	3 Plug
14	3653831M1	! 1	3 O ring
15	3653908M1	! 1	1 Gasket
	● 3653908M2(1)		
16	3680184M1		1 Shaft
17	3680185M1	! 16	2 Support
18	3680186M1	! 16	3 Support
19	3653440M1	! 16	4 Spring
20	3680187M1	! 16	1 Shaft
21	3680188M1	! 16	8 Cam

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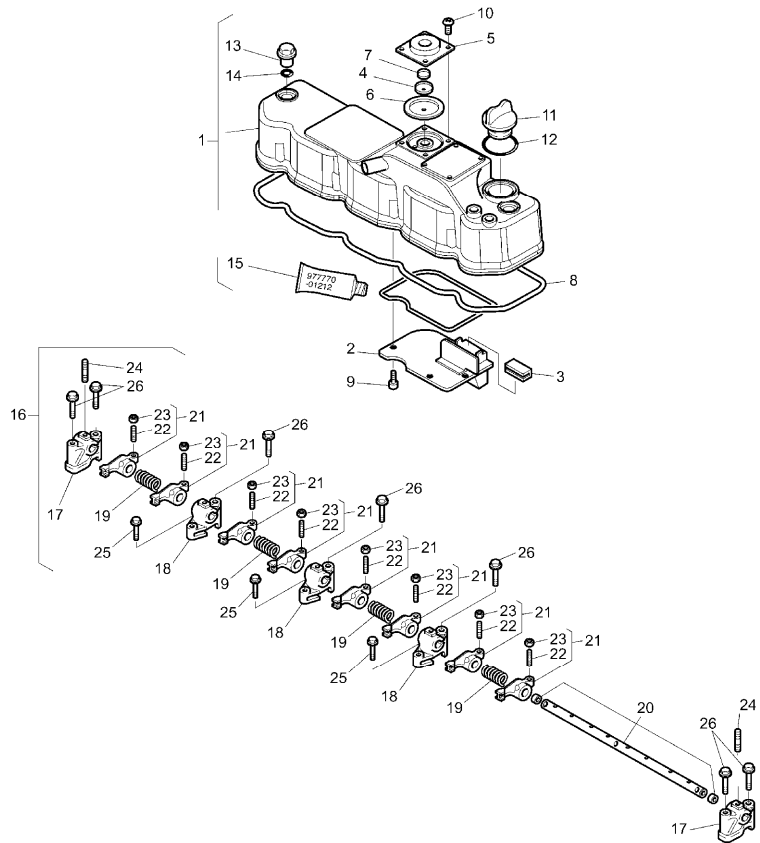
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05



A0505

Cylinder head-rocker shaft



Inglese

22	3653439M1	!	21	8	Screw
23	3653444M1	!	21	8	Nut
24	3653875M1	!	16	3	Bolt
					M8x18
25	3653860M1	!	16	3	Bolt
					M8x25
26	3653864M1	!	16	7	Bolt
					M8x50

! This is a component of an assembly

 Replacement

(X) Qty per tractors sold (aa.bbb.ccc.ddd) (aa) for 1,(bbb) 2-10 (ccc) 11-25 (ddd) 26-50

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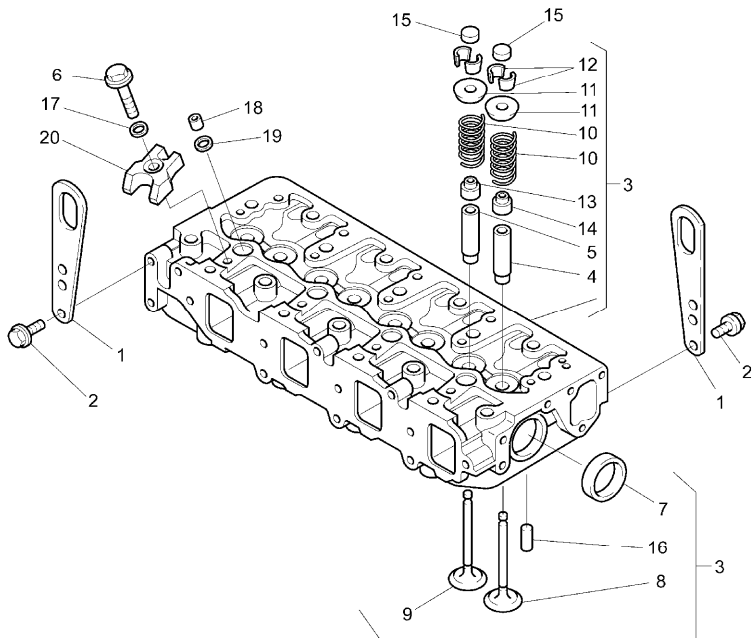
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051**



A05051

Cylinder head-rocker shaft



		Inglese
1	3664580M1	2 Stirrup
2	3653857M1	4 Bolt
3	3683143M1	1 Head
4	3653298M1	4 Guide
5	3653445M1	4 Guide
6	3653861M1	4 Bolt
		M8x35
7	3653890M1	2 Plug
	(X) 2.4.8.1	
8	3681364M1	3 Valve
	(X) 3.6.9.1	
9	3653381M1	3 Valve
	● 3653381M2(3)	
	(X)	
10	3653792M1	8 Spring
11	3653793M1	8 Nameplate
12	3680181M1	8 Clip
13	3653304M1	4 Thimble
14	3653323M1	4 Thimble
15	3653443M1	8 Shim
16	3653818M1	2 Pin
17	3680183M1	4 Washer
18	3677971M1	4 Guard
19	3653266M1	4 Washer
20	3680182M1	4 Clip

Engine

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051

Cylinder head-rocker shaft

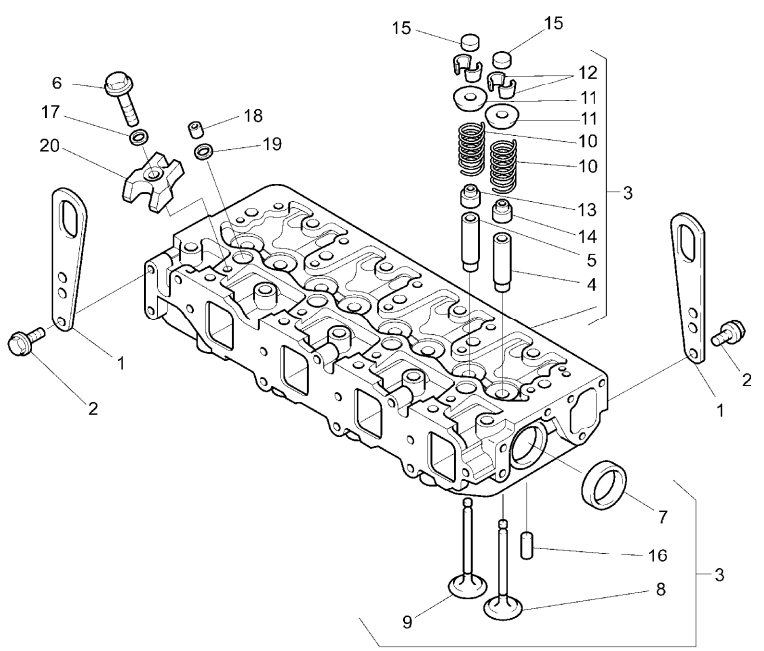
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- ! This is a component of an assembly
- Replacement
- (X) Qty per tractors sold (aa.bbb.ccc.ddd) (aa) for 1,(bbb) 2-10 (ccc) 11-25 (ddd) 26-50



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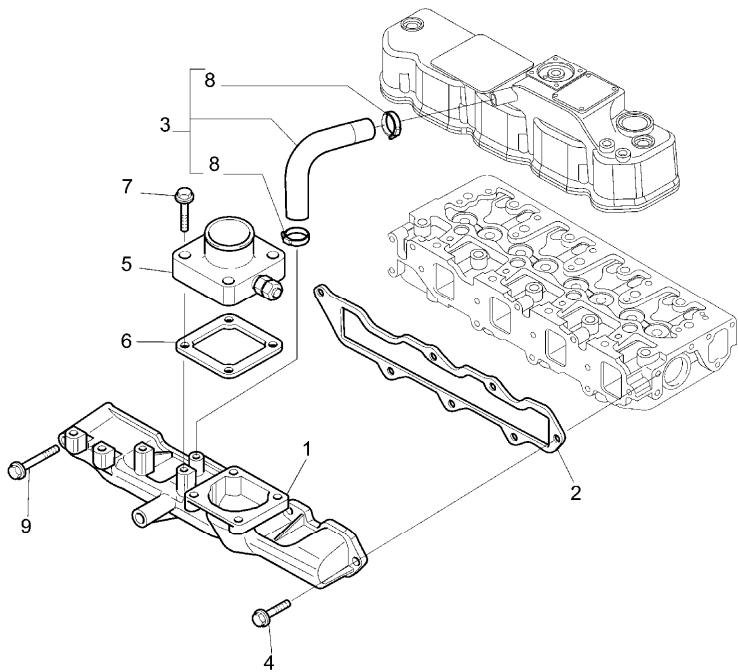
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06



A0506

Induction manifold



				Inglese
1	3680217M1			1 Manifold
2	3680218M1	(X)	1.3.6.1	1 Gasket
3	3680215M1			1 Pipe
4	3653859M1		M8x20	6 Bolt
5	3653399M1	●	4216176M1(1)	1 Heater
6	3653467M1			1 Gasket
7	3653861M1			4 Bolt
8	3680216M1			2 Clamp
9	3653868M1		M8x80	1 Bolt
● Replacement				
(X) Qty per tractors sold (aa.bbb.ccc.ddd) (aa) for 1,(bbb) 2-10 (ccc) 11-25 (ddd) 26-50				

Engine

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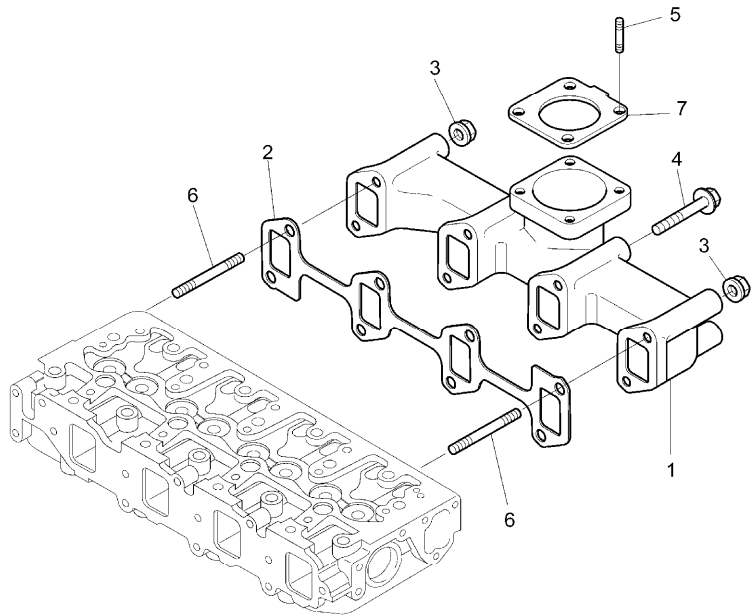
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07



A0507

Exhaust manifold



Inglese

1	3680219M1			1	Manifold
2	3678292M1	(X)	1.3.6.1	1	Gasket
3	3666905M1			2	Nut
4	3679695M1		M8x80	6	Bolt
5	3653262M1		M8x22	4	Bolt
6	3679694M1		M8x80	2	Stud
7	3679696M1			1	Gasket

(X) Qty per tractors sold (aa.bbb.ccc.ddd) (aa) for 1,(bbb) 2-10 (ccc) 11-25 (ddd) 26-50

Engine

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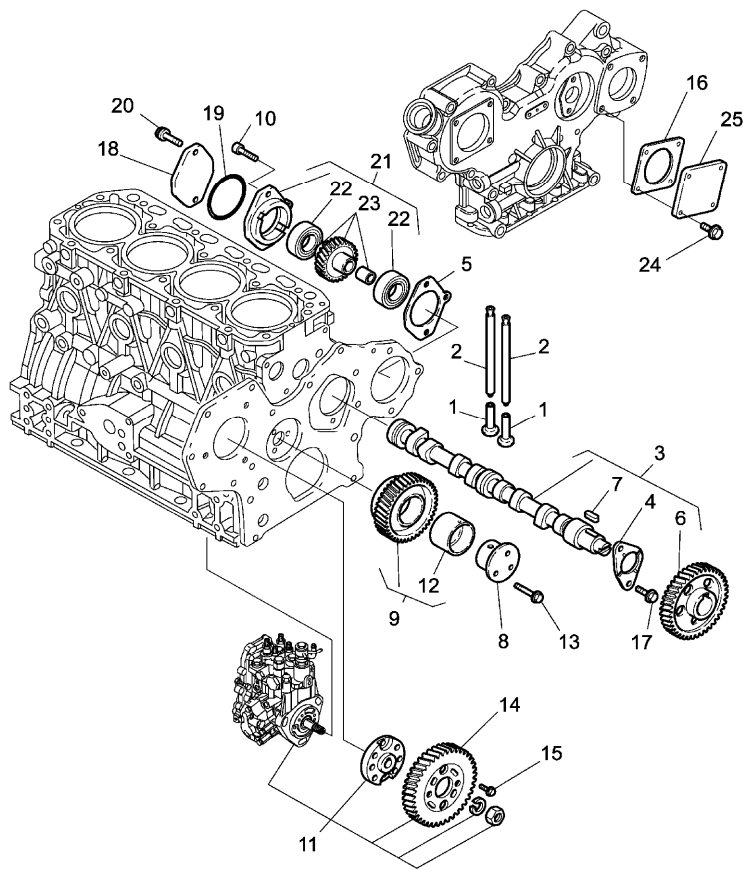
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08



A0508

Timing gear and camshaft



		Inglese
1	3653447M1	8 Tappet
2	3653448M1	8 Rod
3	3653896M1	1 Shaft
4	3653430M1	! 3 1 Plate
5	3653800M1	1 Gasket
6	3653446M1	! 3 1 Gear
7	3653820M1	! 3 1 Key
8	3677975M1	1 Shaft
9	3677977M1	1 Gear
10	3653879M1	M8x28 1 Bolt
11	A-05 12 27	1 Pump
12	3677976M1	! 9 1 Bush
13	3653862M1	M8x40 3 Bolt
14	3677978M1	1 Gear
15	3664454M1	4 Screw
16	3653321M1	1 Gasket
17	3653857M1	M8x14 2 Bolt
18	3653300M1	1 Cover
19	3653839M1	1 O ring
20	3653869M1	M10x45 2 Bolt
21	3653363M1	1 Kit
22	3653830M1	! 21 2 Bearing
23	3653364M1	! 21 1 Gear
24	3653858M1	M8x16 4 Bolt

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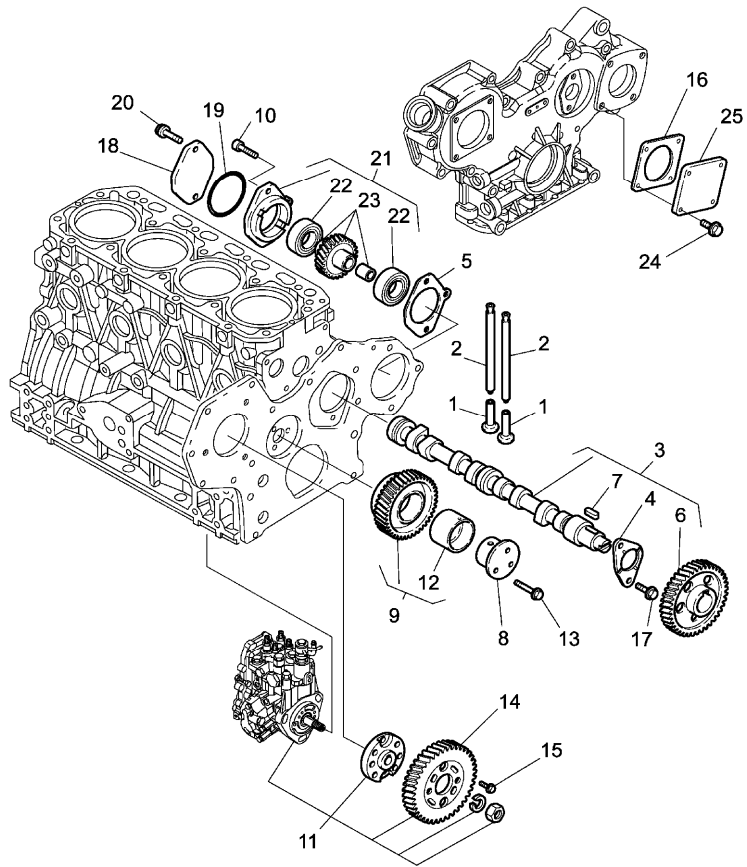
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A0508

Timing gear and camshaft



Inglese

25 3653320M1

1 Cover

! This is a component of an assembly

👁 See page - reference number

Engine

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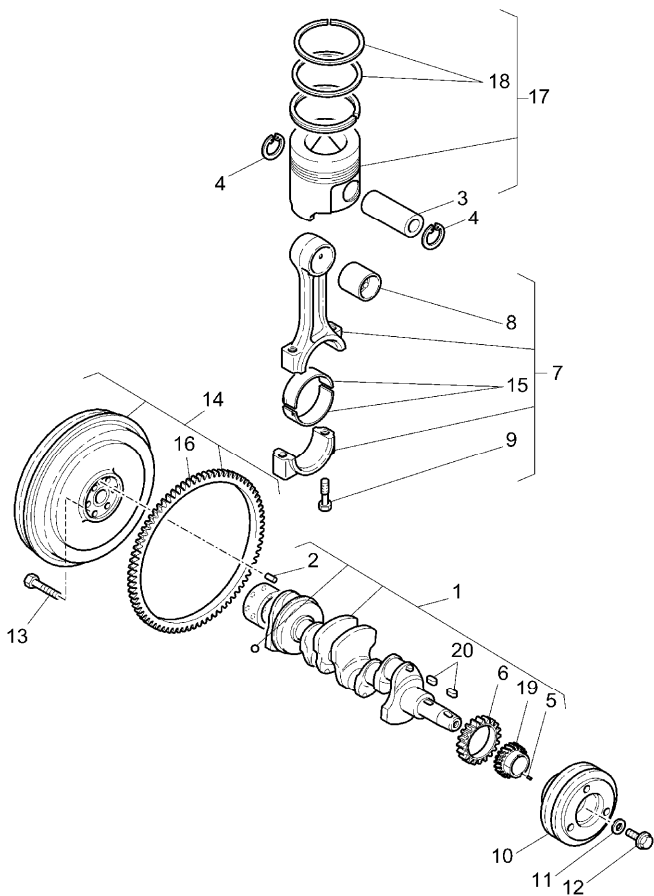
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09



A0509

Crankshaft, pistons and connecting rods



1	3680220M1		
2	3653378M1	!	1
3	3653731M1		
4	3653815M1		
5	3653308M1	!	1
6	3664468M1	!	1
7	3653897M1		
8	3653383M1	!	7
9	3653307M1	!	7
10	3685385M1		
11	3653794M1		
12	3653309M1		
13	3653301M1		
14	3653762M1		
15	3653450M1	!	7
	● 4216034M1(4)		
15	3653451M1	!	7
	B		
16	3653297M1	!	14
17	3681365M1		
17	3681367M1	A	
18	3681366M1	!	17
	(X) 1.3.6.1		
18	3681368M1	!	17
	A		

Inglese

1	Shaft
1	Dowel
4	Cotter
8	Clip
1	Dowel
1	Gear
4	Conrod
4	Bearing
8	Bolt
1	Pulley
1	Washer
1	Bolt
6	Bolt
1	Flywheel
4	Bearing
4	Bearing
1	Crownwheel
4	Piston
4	Piston
4	Kit
4	Kit

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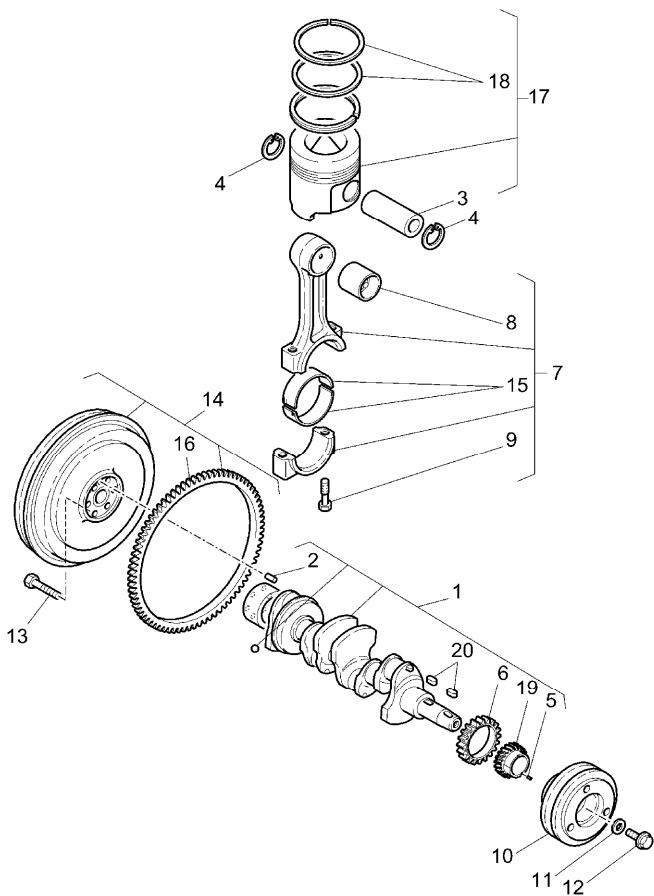
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09



A0509

Crankshaft, pistons and connecting rods



Inglese

19 3677974M1 ! 1 1 Gear

● 4206674M1(1)

20 3653820M1 ! 1 2 Key

! This is a component of an assembly

● Replacement

(X) Qty per tractors sold (aa.bbb.ccc.ddd) (aa) for 1,(bbb) 2-10 (ccc) 11-25 (ddd) 26-50

A Over-size (0,25mm) part.

B Under-size (0,25mm) part.

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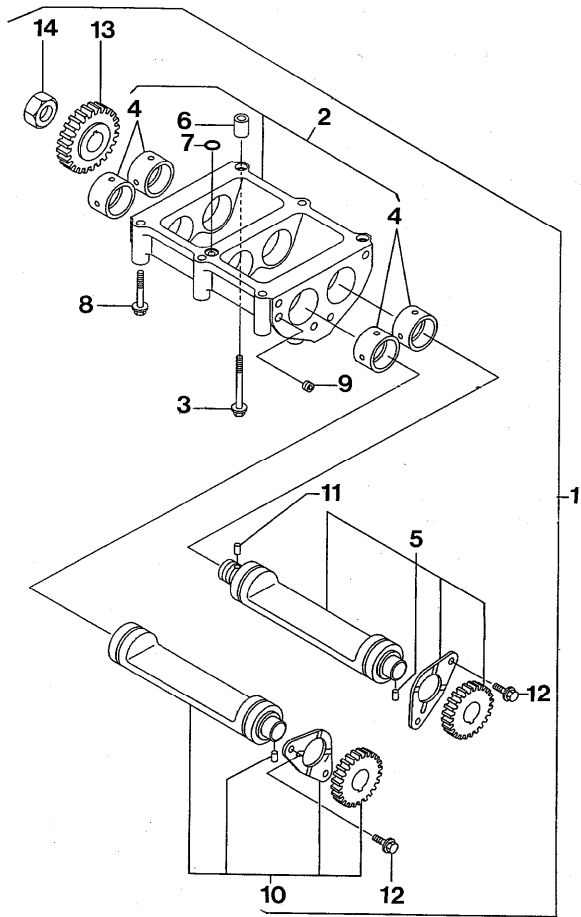
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A0510

Balancer unit



		Inglese
1	3653764M1	1 Weight
2	3664476M1	! 1 Housing
3	3653868M1	! 2 Bolt M8x80
4	3653743M1	! 2 Bush
5	3653905M1	! 1 Kit
6	3653790M1	! 2 Bush
7	3653832M1	! 2 O ring
8	3653866M1	! 2 Bolt M8x60
9	3653827M1	! 2 Plug
10	3653906M1	! 1 Kit
11	3653308M1	! 1 Dowel
12	3653857M1	M8x14 4 Bolt
13	3653739M1	! 1 Gear
14	3653334M1	! 1 Nut
! This is a component of an assembly		

Engine

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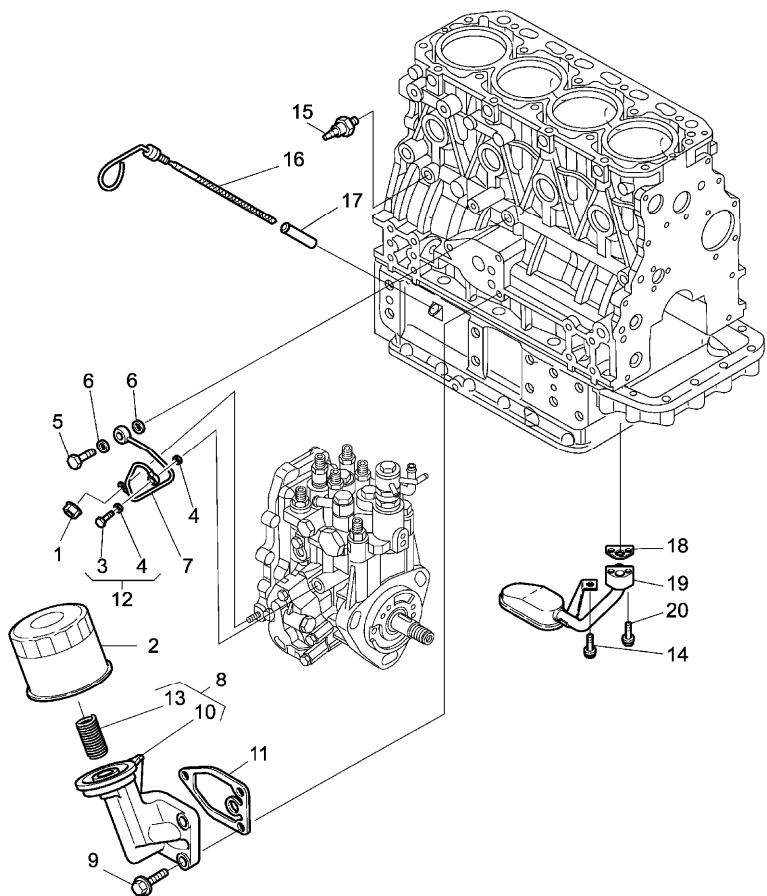
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A0511

Lubricating oil pump and delivery housing-oil filter

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Inglese

1	3653876M1			1	Nut
2	3678034M1	●	3678034M2(1)	1	Filter
		(X)			
3	3665013M1	!	12	1	Bolt
4	3653808M1	!	12	2	Washer
5	3653318M1			1	Bolt
6	3653809M1			2	Washer
7	3680223M1			1	Pipe
8	3685581M1			1	Stirrup
9	3653859M1		M8x20	3	Bolt
10	3685582M1	!	8	1	Stirrup
11	3653458M1			1	Gasket
12	3678024M1			1	Bolt
13	3680225M1	!	8	1	Stud
14	3653847M1		M8x16	1	Bolt
15	3664370M1			1	Bulb
16	3653766M1			1	Rod
17	3653306M1			1	Guide
18	3653456M1	●	3653456M2(1)	1	Gasket
19	3685583M1			1	Pipe
20	3653861M1		M8x35	2	Bolt
	!	This is a component of an assembly			
	●	Replacement			
	(X)	Qty per tractors sold (aa.bbb.ccc.ddd) (aa) for 1,(bbb) 2-10 (ccc) 11-25 (ddd) 26-50			

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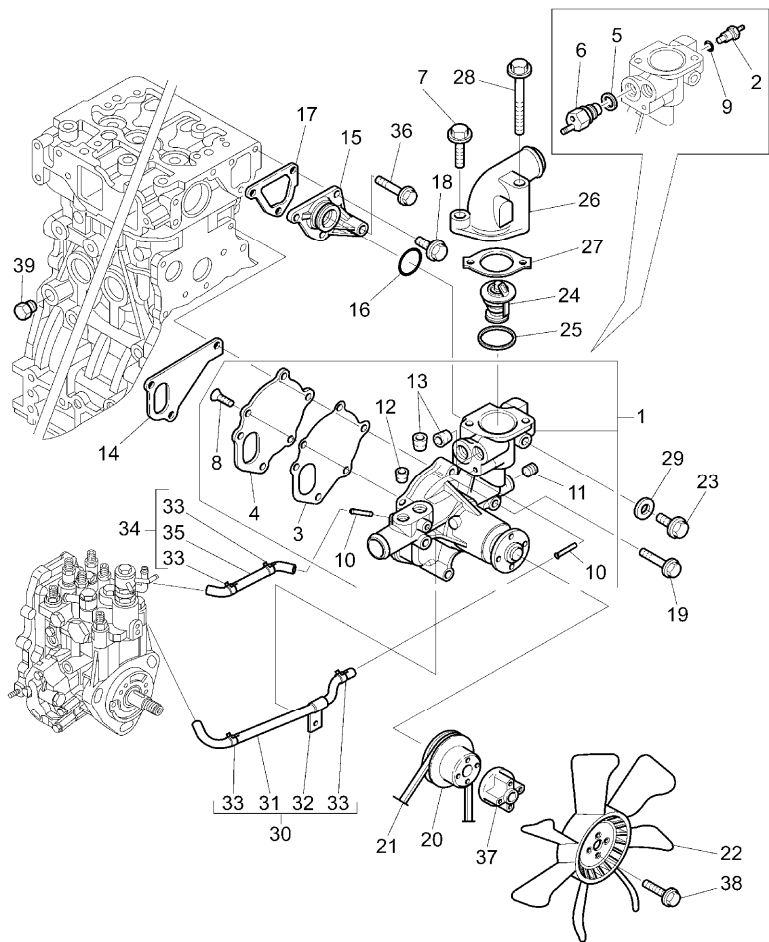
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A0512

Water pump, thermostat and heat exchanger



1	3680226M1			
2	3653322M1	(X)	1.3.6.1	
3	3678031M1	!	1	
4	3678032M1	!	1	
5	3653324M1			
6	3653302M1	(X)	1.3.6.1	
7	3653860M1		M8x25	
8	3678000M1	!	1	
9	3653462M1			
10	3686509M1	!	1	
11	3665017M1	!	1	
12	3678308M1	!	1	
13	3665018M1	!	1	
14	3664547M1			
15	3678017M1			
16	3664548M1			
17	3664432M1			
18	3653858M1		M8x16	
19	3653866M1		M8x60	
20	6504081M1	●	3674556M1(1)	
21	3680227M1	(X)	1.3.6.1	
22	3674559M1	(X)	1.3.6.1	
23	3653856M1		M8x12	
24	3693923M1	(X)	1.3.6.1	

Inglese

1	Pump
1	Bulb
1	Gasket
1	Disc
1	Gasket
1	Switch, indirect
1	Bolt
3	Screw
1	Gasket
2	Union
1	Plug
1	Plug
2	Plug
1	Gasket
1	Gasket
1	Ring
1	Gasket
3	Bolt
3	Bolt
1	Pulley
1	Belt
1	Fan
1	Bolt
1	Thermostat

Engine

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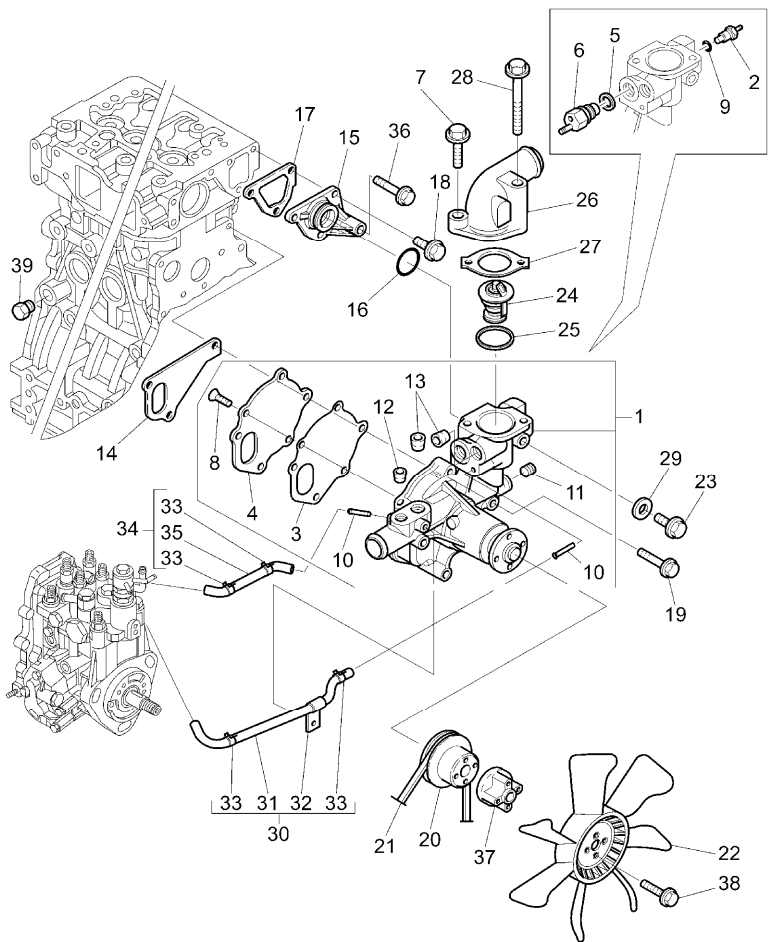
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Water pump, thermostat and heat exchanger



		Inglese
25	3653463M1	1 Gasket
26	3678009M1	1 Cover
27	3653795M1	1 Gasket
28	3679984M1	1 Bolt
29	3653822M1	1 Gasket
30	3678018M1	1 Pipe
31	3678020M1	! 30 1 Pipe
32	3677984M1	! 30 1 Clamp
33	3678010M1	! 30 4 Clamp
34	3678019M1	1 Pipe
35	3678021M1	1 Pipe
36	4218102M1	1 Bolt
37	3653801M1	1 Spacer
38	3680228M1	M6x45 4 Bolt
39	3653797M1	1 Plug
!	This is a component of an assembly	
◄►	Length	
●	Replacement	
(X)	Qty per tractors sold (aa.bbb.ccc.ddd) (aa) for 1,(bbb) 2-10 (ccc) 11-25 (ddd) 26-50	



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Engine

6400 - 6600 isr-ism-vrm (2011-) - RS43 - 6450 ism-vrm

RS43\00040959.png

A-05
13



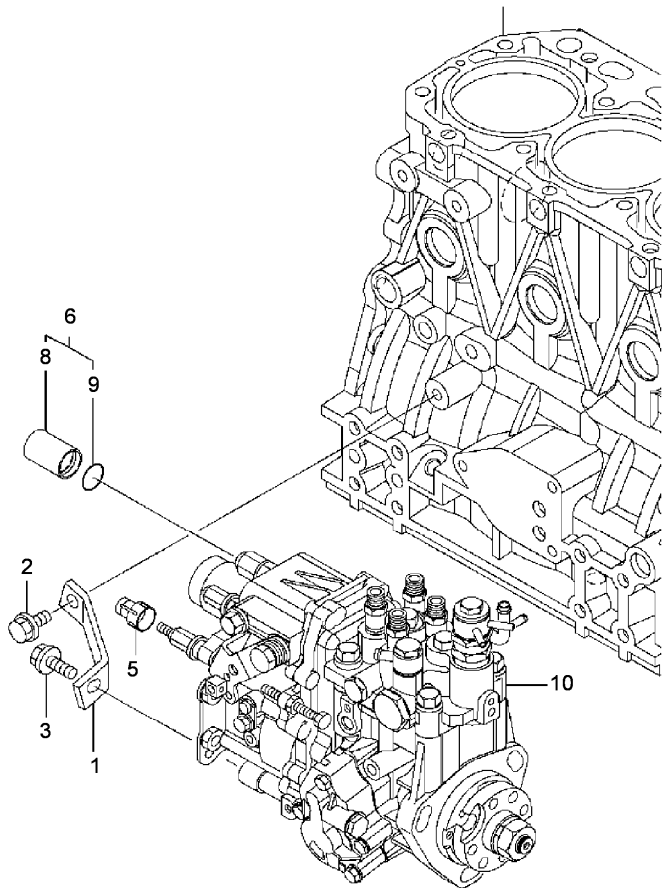
A0513

Fuel injection equipment

Inglese

- | | | | | |
|----|-----------|-----|---|---------|
| 1 | 3680229M1 | | 1 | Support |
| 2 | 3653858M1 | | 1 | Bolt |
| 3 | 3653859M1 | | 1 | Bolt |
| 5 | 6510228M1 | | 1 | Plug |
| 6 | 6510229M1 | | 1 | Cover |
| 8 | 6510230M1 | ! 6 | 1 | Cover |
| 9 | 3678310M1 | ! 6 | 1 | Ring |
| 10 | 3681369M1 | | 1 | Pump |

! This is a component of an assembly



Engine

6400 - 6600 isr-ism-vrm (2011-) - RS43 - 6450 ism-vrm

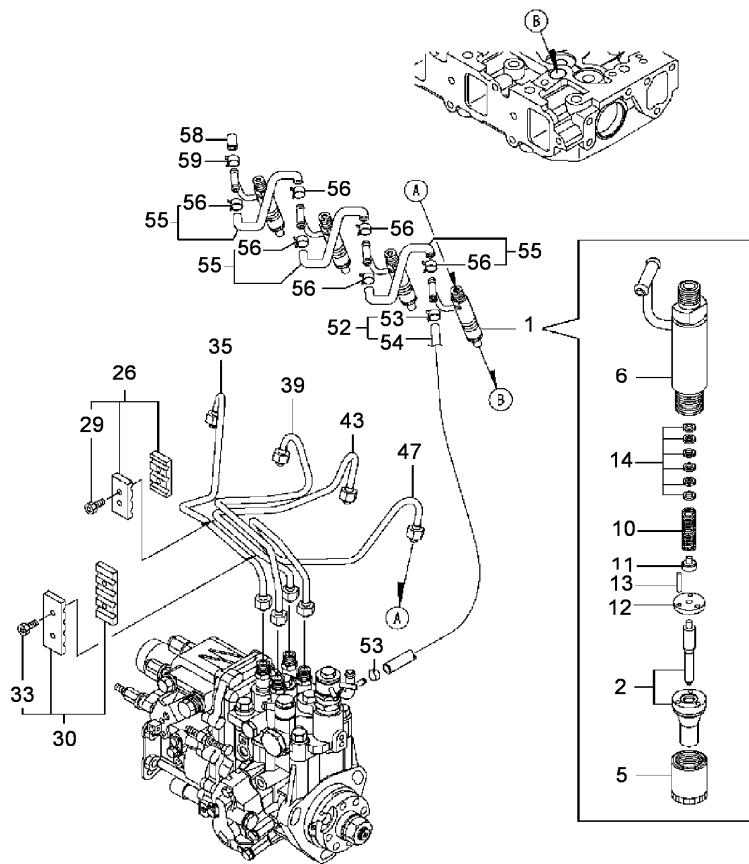
RS43\00040960.png

A-05 14



A0514

Fuel injection equipment



1	3680231M1		
2	3680232M1	!	1
5	3653255M1	!	1
6	3680233M1	!	1
10	3653256M1	!	1
11	3653257M1	!	1
12	3653258M1	!	1
13	3653259M1	!	1
14	3653260M1	!	1
	● 3653260M2(1)		
26	3653464M1		1
29	3653465M1	!	26
30	3664552M1		1
33	3653465M1	!	30
35	3680234M1		1
39	3680235M1		1
43	3680236M1		1
47	3680237M1		1
52	3680238M1		1
53	3678010M1	!	52
54	3680239M1	!	52
55	3679973M1		3
56	3678010M1	!	55
58	3680242M1		1

Inglese

4	Valve
1	Nozzle
1	Nut
1	Body
1	Spring
1	Nameplate
1	Retainer
2	Pin
1	Kit
1	Clip
2	Bolt
1	Bolt
2	Bolt
1	Pipe
1	Pipe
1	Pipe
1	Pipe
1	Pipe
2	Clamp
1	Pipe
3	Pipe
2	Clamp
1	Coperch.

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