Name

Ref: 01.00.2

9\_33211\_00\_0\_A

Section: E	ENGINE
CRANK	CASE
Fig.	P/n

ΟΤΥ

## **Notes:** [ROCK 70 N]

1

1.1 1.2 1.3

1.4 1.5 1.6

1.12

1.12.1 1.12.1.2

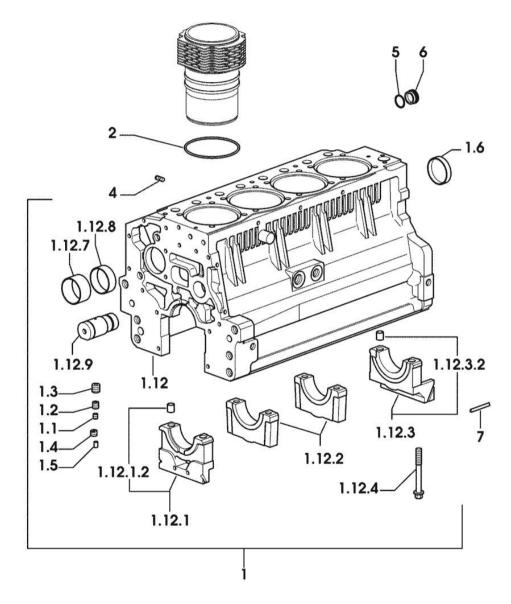
1.12.2

1.12.3 1.12.3.2

1.12.4

1.12.7 1.12.8

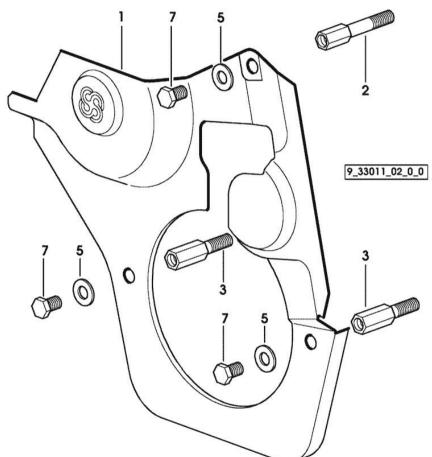
7



0.007.1140.6/10	1	crankcase
2.3130.001.1	11	plug 1/8" gas
2.3130.002.1	2	plug 1/4" gas
2.3130.003.1	7	plug 3/8" gas
2.1324.011.0	1	plug
2.3199.092.0	4	plug 8 x 12
2.3179.012.0	1	plug 60
0.000.0000.1		cannot be supplied
0.065.1112.7	1	support
2.1699.165.0	1	bush 12.3x15x16
0.065.1114.0/10	3	support
0.065.1116.3	1	support
2.1699.165.0	1	bush 12.3x15x16
0.065.1117.0	10	screw m 12 x 100
0.065.1141.0	1	special bushing 59X55X30
0.065.1140.0	4	special bushing 59X55X20
0.066.1151.0	1	pin
2.1539.130.0/10	4	special oil seal 117.07x3.53
2.0432.003.7	12	stud bolt m 8 p.1.25 / p.1 x 20
2.1532.072.0	1	oil seal 26.70x1.78
2.3199.405.2	1	plug m 28 p.1.5
0.066.1152.0/10	4	gasket

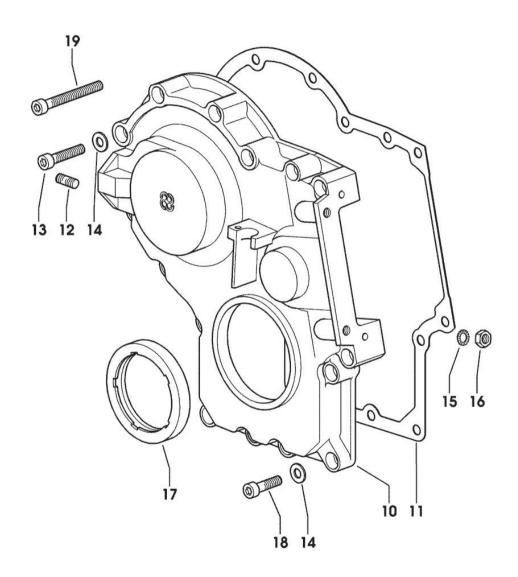
ROCK 70	N

Section: I GUARD	ENGINE D PLATE		Ref: 01.00.5
Fig.	P/n	QTY	Name
Notes: [ROCK 70]	N]		
1	0.007.1262.3/50	1	guard
2	0.007.1271.0/10	1	small column m 8 p.1.25 / $L = mm 60$
3	0.007.1272.0/10	2	small column m 8 p.1.25 / $L = mm 50$
5	2.1310.004.2	3	flat washer 8.4x17
7	2.0112.203.2	3	screw m 8 p.1.25 x 12



9\_33211\_00\_0\_B

Section: EN			Ref: 01.00.9
Fig.	P/n	QTY	Name
Notes: [ROCK 70 N]			
10	0.013.4981.0	1	guard -> 1156 X ROCK 70
10	0.065.1132.0/50	1	guard 1155 <- X ROCK 70
11	0.065.1150.0/30	1	gasket
12	2.0432.003.7	2	stud bolt m 8 p.1.25 / p.1 x 20
13	2.0312.214.2	3	screw m 8 p.1.25 x 40
14	2.1480.014.1	15	washer 8
15	2.1470.004.2	4	lock washer 8
16	2.1011.405.2	2	nut m 8 p.1
17	2.1529.141.0	1	special oil seal
18	2.0312.208.2	8	screw m 8 p.1.25 x 25
19	2.0312.219.2	4	screw m 8 p.1.25x65



<b>ROCK 70</b>	
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Section: ENGINE

Ref: 01.00.10

	<b>34</b> 000	33	<b>32</b>
6  - 7			30 

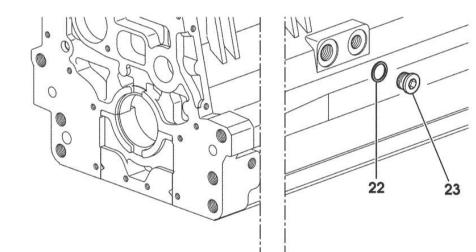
CRANI	CRANKCASE				
Fig.	P/n	QTY	Name		
Notes: [ROCK 70	N]				
6	2.0439.250.7	1	stud bolt m 12 / m 10 x 30		
7	0.011.9294.0/10	1	bush		
30	2.0112.511.2	8	screw m 14 p.2 x 30		
31	2.1651.912.0	2	cylindrical plug 12x28		
32	2.1651.917.0	1	cylindrical plug 12x40		
33	2.0432.257.7	1	stud bolt m 12 p.1.75 - 1.25 x 30		
34	0.007.9745.0/10	1	flange		

### 9\_33311\_02\_0\_0

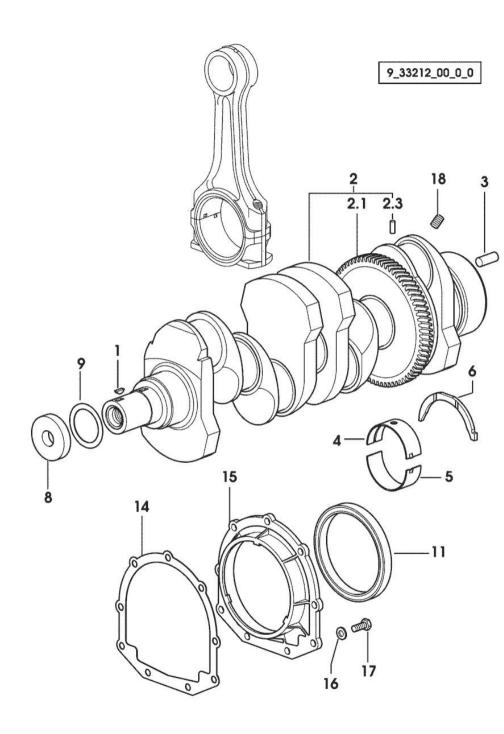
Ref: 01.00.13

# Section: ENGINE SIDE PLUG FOR CYLINDER BLOCK

Fig.	P/n	QTY	Name
Notes: [ROCK 70 N]			
22 23	2.1560.017.0 2.3120.002.4	1 1	gasket 22.2 x 27 plug m 22 x 1.5



#### 9\_33211\_07\_0\_0



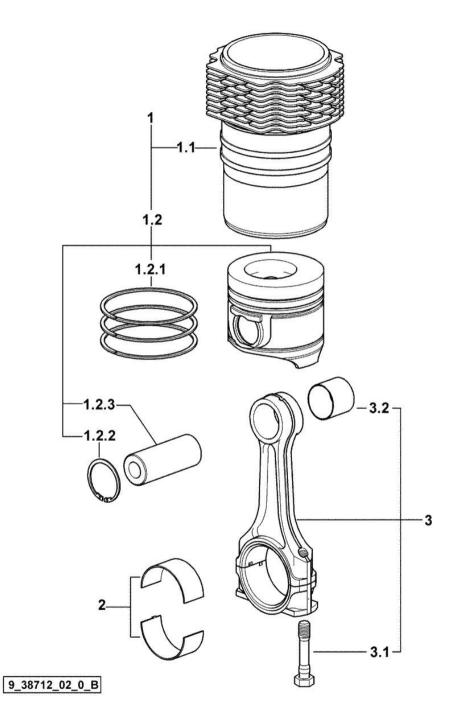
			ROCK 70 N
	ENGINE <b>KSHAFT</b>		Ref: 01.00.17
Fig.	P/n	QTY	Name
<b>Notes:</b> [ROCK 70	N]		
1	2.1720.006.0	1	key 4x6.5
2	0.086.1210.3/30	1	crankshaft
2.1	0.065.1211.0/10	1	crown wheel
2.3	2.1630.608.0	1	pin 6x16
3	2.1651.915.0	1	pin 12x35
4	0.065.1215.0	5	main half bushing STANDARD
4	0.065.1215.7		main half bushing - mm 0.25
4	0.065.1215.8		main half bushing - mm 0.50
5	0.065.1216.0	5	main half bushing
5	0.065.1216.7		main half bushing - mm 0.25
5	0.065.1216.8		main half bushing - mm 0.50
6	0.065.1218.0	4	shim STANDARD
6	0.065.1218.7		$shim + mm \ 0.10$
6	0.065.1218.8		$shim + mm \ 0.15$
8	2.1599.524.7	1	washer 21x60x12
9	2.1589.189.0	2	shoulder ring mm 1.00
11	2.1529.073.0	1	special oil seal 110x130x13
14	0.065.1254.0/20	1	gasket
15	0.007.1711.0/10	1	cover
16	2.1475.002.2	9	conical washer 8
17	2.0112.207.2	9	screw m 8 p 1.25 x 20
18	2.3130.001.1	4	plug 1/8" gas



#### **CYLINDER - PISTON - CONNECTING ROD**

Section: ENGINE

Fig.	P/n	QTY	Name
<b>Notes:</b> 71504 <= 3	K ROCK 70 [ROCK 70 N]		
1	0.336.0065.A	4	cyl. piston assembly "A" - CLASS A
1	0.336.0065.B	4	cyl. piston assembly "B" - CLASS B
1.1	0.A13.0355.0	1	engine cylinder "A" - CLASS A
1.1	0.B13.0355.0	1	engine cylinder "B" - CLASS B
1.2	0.086.0060.A	1	complete piston "A" - CLASS A
1.2	0.086.0060.B	1	complete piston "B" - CLASS B
1.2.1	0.086.0052.6/10	1	piston ring set
1.2.2	2.1411.014.1	2	circlip 35
1.2.3	0.078.1236.0	1	piston pin Ø 18 / Ø 35 / L = mm 86
2	0.065.1225.0	8	con.rod half bushing STANDARD - A = 28.75 -> 29.00
2	0.065.1225.7	8	con.rod half bushing - mm 0.25
2	0.065.1225.8	8	con.rod half bushing - mm 0.50
3	0.078.1220.3/30	4	engine connecting rod
3.1	2.0399.213.0	2	screw m 12 p.1.25x61.5
3.2	2.1559.114.0/10	1	special bushing

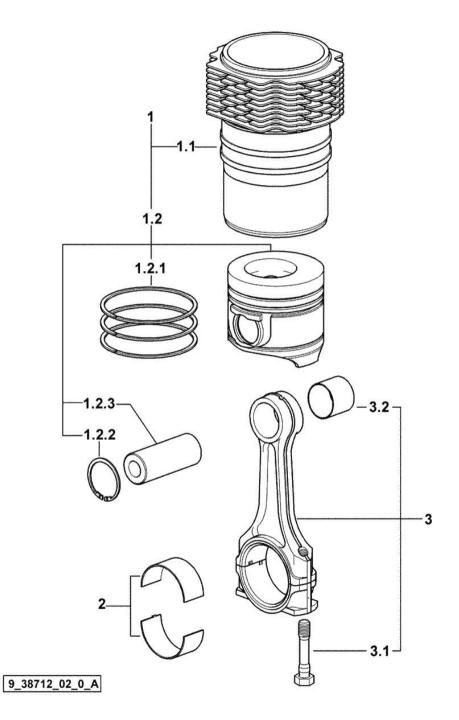




#### **CYLINDER - PISTON - CONNECTING ROD**

Section: ENGINE

Fig.	P/n	QTY	Name
Notes:	X ROCK 70 [ROCK 70 N]		
-> /1505 .	A ROCK /0 [ROCK /0 N]		
1	0.379.0065.A	4	cyl. piston assembly "A" - CLASS A
1	0.379.0065.B	4	cyl. piston assembly "B" - CLASS B
1.1	0.A13.0355.0	1	engine cylinder "A" - CLASS A
1.1	0.B13.0355.0	1	engine cylinder "B" - CLASS B
1.2	0.379.0060.A	1	complete piston "A" - CLASS A
1.2	0.379.0060.B	1	complete piston "B" - CLASS B
1.2.1	0.086.0052.6/10	1	piston ring set
1.2.2	2.1411.014.1	2	circlip 35
1.2.3	0.078.1236.0	1	piston pin Ø 18 / Ø 35 / L = mm 86
2	0.065.1225.0	8	con.rod half bushing STANDARD - A = 28.75 -> 29.00
2	0.065.1225.7	8	con.rod half bushing - mm 0.25
2	0.065.1225.8	8	con.rod half bushing - mm 0.50
3	0.078.1220.3/30	4	engine connecting rod
3.1	2.0399.213.0	2	screw m 12 p.1.25x61.5
3.2	2.1559.114.0/10	1	special bushing



1/1

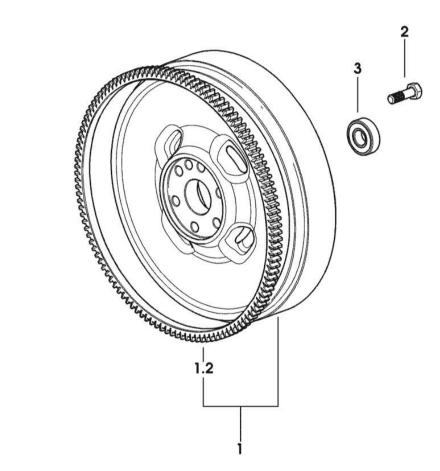
Ref: 01.00.29

#### Section: ENGINE ENGINE FLYWHEEL

Fig.	P/n	QTY	Name

#### **Notes:** [ROCK 70 N]

1	0.007.9562.3/10	1	flywheel
1.2	0.065.1242.0	1	crown wheel $Z = 123$
2	2.0119.174.0/10	6	screw m 12 p.1.25x45
3	2.2041.008.0	1	ball bearing 20x47x14



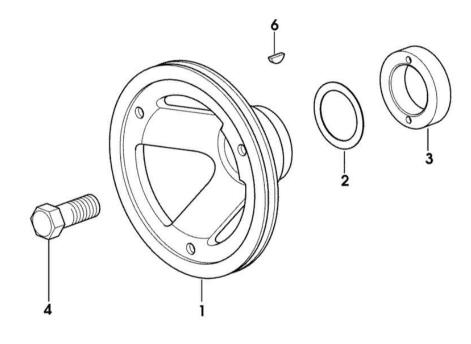
Ref: 01.00.30

### Section: ENGINE CRANKSHAFT PULLEY Fig. P/n

ig.	P/n	QTY	Name
otes:			

Notes: [ROCK 70 N]

1	0.007.1330.0/40	1	pulley
2	2.1589.189.0	2	shoulder ring mm 1.00
3	0.085.1248.0/20	1	hub
4	2.0399.144.7/10	1	screw m 20 p.1.5x51
6	2.1720.006.0	1	key 4x6.5



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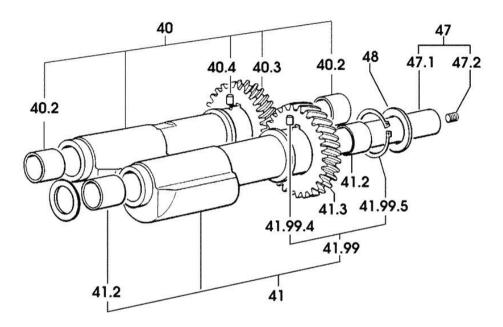
Name

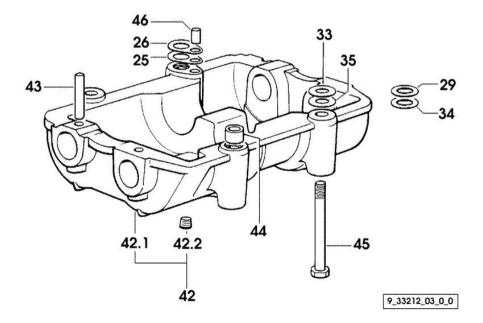
#### Section: ENGINE COUNTERWEIGHTS

P/n

## ΟΤΥ

Ref: 01.00.33



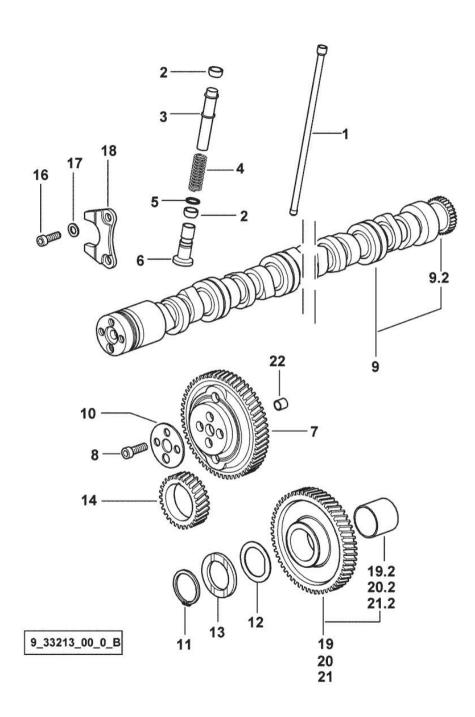


Notes:	

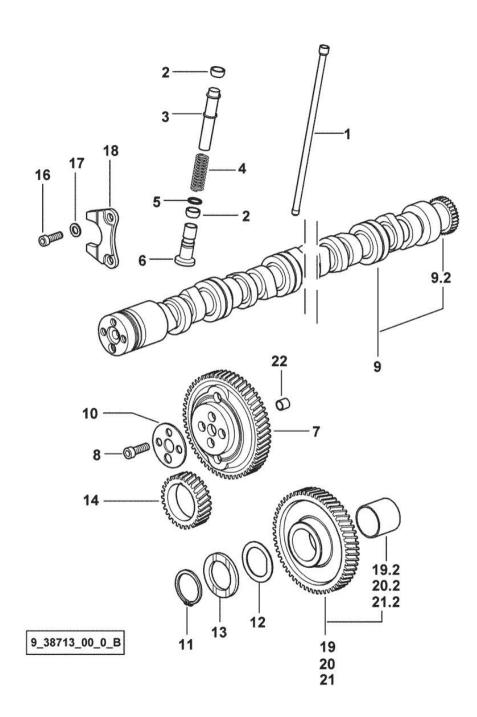
Fig.

[ROCK	70	N]
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25	2.1589.139.0	1	shoulder ring mm 0.3
26	2.1589.140.0	3	shoulder ring mm 0.1
29	2.1579.628.0	3	spacer 16.5x26x0.1
33	2.1579.629.0	6	spacer 12.5x26x0.1
34	2.1589.048.0	1	shoulder ring 16.5x26x0.3
35	2.1589.049.0	1	shoulder ring 12.5x26x0.3
40	0.086.1233.3/30	1	mass sx/lh/li
40.2	2.1559.115.0	2	special bushing 26x30x30
40.3	0.000.0000.1		cannot be supplied
40.4	2.1651.302.0	1	roll pin 4x6
41	0.065.1233.3/30	1	mass dx/rh/re
41.2	2.1559.115.0	2	special bushing 26x30x30
41.3	0.000.0000.1		cannot be supplied
41.99	0.000.0000.1		cannot be supplied
41.99.4	2.1651.302.0	1	roll pin 4x6
41.99.5	2.1410.018.1	1	circlip 45
42	0.000.0000.1		cannot be supplied
42.1	0.086.1231.0/10	1	box
42.2	2.3130.001.1	4	plug 1/8" gas
43	2.1631.717.0	2	roll pin 8 x 40
44	2.1579.626.0	2	spacer 13.2x16x11
45	2.0139.028.2	4	screw m 12
46	2.1699.191.0	1	bush 7x10x16
47	0.000.0000.1		cannot be supplied
47.1	0.065.1234.0/10	1	shaft
47.2	2.3130.001.1	1	plug 1/8" gas
48	2.1589.185.0	4	shoulder ring 26.1x34x1



ENGINE I A FT		Ref: 01.00.38
P/n	QTY	Name
ROCK 70 [ROCK 70 N]		
0.065.1331.2	8	rod
	-	gasket 14x18.5x8
		sleeve
2.4019.300.1/10		spring 18.5x52x2
2.1599.437.0		shoulder ring
0.065.1330.0	8	tappets
0.013.5017.0	1	gear z=58
2.0132.207.2	4	screw m 10 p.1 x 25
0.066.1310.3/40	1	camshaft
0.065.1324.0/10	1	gear $Z = 32$
0.065.1350.0	1	small disc
2.1410.016.1	1	circlip 40
0.065.1352.0	1	shim
0.065.1351.0	2	shoulder ring
0.065.1323.0/30	1	gear Z = 29
2.0312.205.2	2	screw
2.1480.014.1	2	washer 8
0.065.1353.0	1	small plate
0.007.1177.3/20		gear z = 57 - WITH RED IDENTIFICATION STAMP
2 1559 185 0/10	1	bushing
		gear $z = 57$
0.007.1170.0720		- WITH YELLOW IDENTIFICATION STAMP
2,1559,185,0/10	1	bushing
0.007.1179.3/20	-	gear $z = 57$
		- WITH GREEN IDENTIFICATION STAMP
2.1559.185.0/10	1	bushing
2.1559.398.0	1	bushing 10.5x13x12
	P/n           0.065.1331.2           2.1569.114.0/10           0.065.1332.0           2.1569.114.0/10           0.065.1332.0           2.4019.300.1/10           2.1599.437.0           0.065.1330.0           0.013.5017.0           2.0132.207.2           0.066.1310.3/40           0.065.1324.0/10           0.065.1352.0           2.1410.016.1           0.065.1352.0           0.065.1352.0           0.065.1352.0           0.065.1353.0           0.065.1353.0           0.0065.1353.0           2.1559.185.0/10           0.007.1177.3/20           2.1559.185.0/10           0.007.1179.3/20           2.1559.185.0/10           0.007.1179.3/20           2.1559.185.0/10	P/n         QTY           XROCK 70 [ROCK 70 N]         0.065.1331.2         8           2.1569.114.0/10         16         0.065.1332.0         8           2.1569.114.0/10         16         0.065.1332.0         8           2.4019.300.1/10         8         2.1599.437.0         8           0.065.1330.0         8         0.013.5017.0         1           2.0132.207.2         4         0.066.1310.3/40         1           0.065.1350.0         1         2.1410.016.1         1           0.065.1352.0         1         0.065.1352.0         1           0.065.1351.0         2         0.065.1323.0/30         1           2.0312.205.2         2         2.1480.014.1         2           0.065.1353.0         1         0.007.1177.3/20         2           2.1559.185.0/10         1         0.007.1179.3/20         1           2.1559.185.0/10         1         2         1



			KUCK /UN
Section: CAMS	ENGINE		Ref: 01.00.41
Fig.	P/n	QTY	Name
Notes:	X ROCK 70 [ROCK 70 N]		
	X ROCK 70 [ROCK 70 N]		
1	0.065.1331.2	8	rod
2	2.1569.114.0/10	16	gasket 14x18.5x8
3	0.065.1332.0	8	sleeve
4	2.4019.300.1/10	8	spring 18.5x52x2
5	2.1599.437.0	8	shoulder ring
6	0.065.1330.0	8	tappets
7	0.013.5017.0	1	gear z=58
8	2.0132.207.2	4	screw m 10 p.1 x 25
9	0.007.1712.3/10	1	camshaft
9.2	0.065.1324.0/10	1	gear Z = 32
10	0.065.1350.0	1	small disc
11	2.1410.016.1	1	circlip 40
12	0.065.1352.0	1	shim
13	0.065.1351.0	2	shoulder ring
14	0.065.1323.0/30	1	gear Z = 29
16	2.0312.205.2	2	screw
17	2.1480.014.1	2	washer 8
18	0.065.1353.0	1	small plate
19	0.007.1177.3/20		gear $z = 57$
			- WITH RED IDENTIFICATION STAMP
19.2	2.1559.185.0/10	1	bushing
20	0.007.1178.3/20		gear $z = 57$
			- WITH YELLOW IDENTIFICATION STAMP
20.2	2.1559.185.0/10	1	bushing
21	0.007.1179.3/20		gear $z = 57$
			- WITH GREEN IDENTIFICATION STAMP
21.2	2.1559.185.0/10	1	bushing
22	2.1559.398.0	1	bushing 10.5x13x12

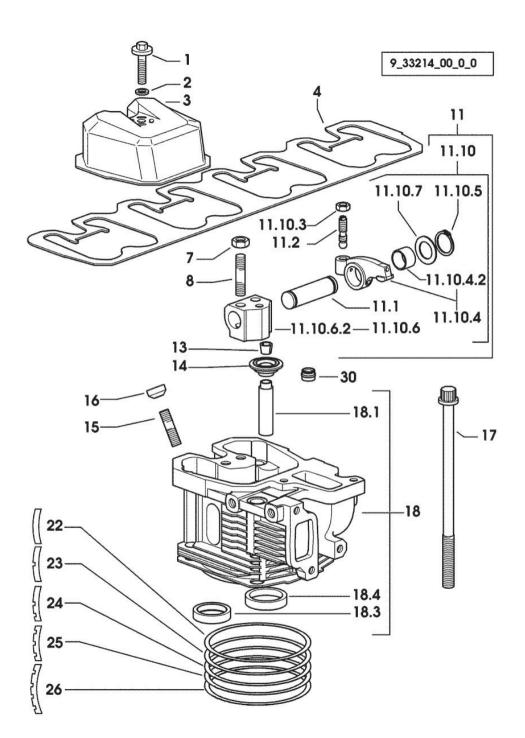


Fig.         P/n         QTY         Name           Notes: [ROCK 70 N]         2.0399.130.2/10         4         screw m 8x36x44           1         2.0399.288.2/10         4         screw m 8x36x46           2         2.1539.151.0         4         screw m 8x36x46           2         2.1539.151.0         4         special oil scal 9.19 x 2.62           2         2.1569.170.0/10         4         gasket 8.2 x 14           1328 < X ROCK 70         1328 < X ROCK 70         2           2         2.0107.1139.0/10         4         small cap           4         0.065.1450.0/30         1         tappet gasket           7         2.1011.421.2         8         nut m 10 p.1.25           8         2.0432.163.7         8         stud bolt m 10 p.1.5 / p.1.25 x 45           11         0.000.000.1         cannot be supplied         11.1.1           11.10         0.000.000.1         cannot be supplied         11.1.1.2           11.10.3         2.1011.405.2         2         nut m 8 p.1           11.10.4         0.066.1432.3         2         rocker arm           11.10.5         2.1410.055.7         2         circlip 19           11.10.5         2.1410.05.7	Section: ENGINE CYLINDER HEAD			<b>ROCK 70 N</b> Ref: 01.00.45	
[ROCK 70 N]12.0399.130.2/104screw m 8x36x44 1328 <- x ROCK 7012.0399.288.2/104screw m 8x36x46 $->$ 1329 X ROCK 7022.1539.151.04special oil seal 9.19 x 2.62 $->$ 1329 X ROCK 7022.1569.170.0/104gasket 8.2 x 14 1328 <- X ROCK 7022.1569.170.0/104gasket 8.2 x 14 1328 <- X ROCK 7030.007.1139.0/104small cap40.065.1450.0/301tappet gasket72.1011.421.28nut m 10 p.1.5 / p.1.25 x 45110.000.000.1 cannot be supplied11.10.066.1431.0111.100.000.000.1 cannot be supplied11.10.32.1011.405.2211.10.40.066.1432.3211.10.52.1410.055.722circlip 1911.10.60.000.000.1 cannot be supplied11.10.60.000.000.1 cannot be supplied11.10.52.1410.055.7211.10.60.000.000.1 	Fig.	P/n	QTY	Name	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		]			
12.0399.288.2/104screw m 8x36x46 $-> 1329 \times ROCK 70$ 22.1539.151.04special oil seal 9.19 x 2.62 $-> 1329 \times ROCK 70$ 22.1569.170.0/104gasket 8.2 x 14 $1328 < X ROCK 70$ 30.007.1139.0/104small cap40.065.1450.0/301tappet gasket72.1011.421.28nut m 10 p.1.5 / p.1.25 x 45110.000.0000.1cannot be supplied11.10.066.1431.0111.20.021.1434.022screw11.100.000.0000.1cannot be supplied11.10.32.1011.405.2211.10.40.066.1432.3211.10.52.1410.055.7211.10.52.1410.055.7211.10.52.1410.055.7211.10.50.000.000.111.10.52.1410.055.711.10.52.1410.055.711.10.50.000.000.111.10.52.1410.055.711.10.52.1410.055.711.10.52.1410.055.711.10.52.1410.055.711.10.6.20.066.1430.0/1011.10.71.599.432.012.11.10.72.1599.432.013.11.10.72.1599.432.0140.066.1425.0152.0432.161.7140.066.1425.0152.0432.161.7160.007.1112.0/10170.065.1443.0/2016screw180.007.1110.3/6019engine head	1	2.0399.130.2/10	4		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	1	2.0399.288.2/10	4	screw m 8x36x46	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2	2.1539.151.0	4	•	
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23       0.085.1451.0/10       3       head gasket mm 0.7         24       0.085.1452.0/10       1       head gasket mm 1.0         25       0.085.1453.0/10       3       head gasket mm 0.8         26       0.013.4598.0       3       head gasket mm 1.3	18.4		1		
240.085.1452.0/101head gasket mm 1.0250.085.1453.0/103head gasket mm 0.8260.013.4598.03head gasket mm 1.3					
25         0.085.1453.0/10         3         head gasket mm 0.8           26         0.013.4598.0         3         head gasket mm 1.3					
26 0.013.4598.0 3 head gasket mm 1.3					
30 2.1519.117.0 8 special oil seal					
	30	2.1519.117.0	8	special oil seal	

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# Section: ENGINE INLET AND EXHAUST VALVES

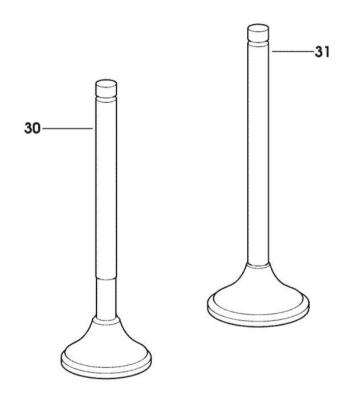
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31

Fig.	P/n	QTY	Name
Notes: [ROCK 70 N]			
30	0.066.1421.0	4	exhaust valve

inlet valve mm 43.63 / Ø mm 9

4



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