

Section: ENGINE CRANKCASE

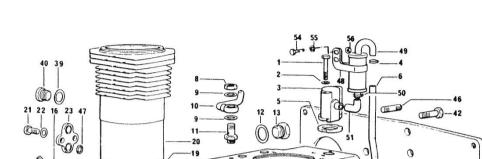
Ref: 01.00.0

CIMITI	CASE		
Fig.	P/n	QTY	Name

Fig.	<u>P/n</u>	QTY	Name	
Notes: [EXPLOR	ER 70 SPECIAL]			
0	0.065.0050.6	1	gasket set FOR ENGINE ASSEMBLY 916.4 A	
0	0.086.0050.6	1	gasket set FOR 1000.4A ENGINE ASSEMBLY	
1	2.0312.219.2	6	screw m 8 p.1.25x65	
2	2.1470.004.2	8	lock washer 8	
3	0.065.1143.3/10	1	body () <-	
4	2.6859.072.2	1	clamp	
5	0.065.1156.0	2	gasket () <-	
6	0.065.1155.0/10	1	tube () <-	
7	0.065.1157.0	1	bracket	
8	2.1099.108.2	4	special nut m 10 p.1	
9	2.1560.006.0	8	gasket 10.2 x 16	
10	0.086.1550.2	4	sprayer nozzle	
11	0.065.1160.3/20	4	valve	
12	2.1539.047.2	1	old part number	
13	2.3199.405.2	1	plug m 28 p.1.5	
16	2.0432.003.7	12	stud bolt m 8 p.1.25 / p.1 x 20	
19	2.1519.096.0/10	4	oil seal 107.67x1.78 X 1000.4 A	
19	2.1589.154.0	4	shoulder ring X 916.4 A	
19	2.1589.155.0	4	shoulder ring X 916.4 A	
19	2.1589.156.0	4	shoulder ring X 916.4 A	
20	0.065.1120.0/10	4	engine cylinder X 916.4 A	
20	0.085.1120.0/10	4	engine cylinder X 1000.4 A	
21	2.0112.207.2	2	screw m 8 p 1.25 x 20	
22	2.1470.004.2	2	lock washer 8	
23	0.065.1163.0	1	flange	
25	0.066.1152.0/10	4	gasket	
26	9.06599.41.3	1	crankcase	
26	9.08699.41.1	1	X 916.4 A crankcase	1/2
=~	3.00033	-	X 1000.4 A	1/2

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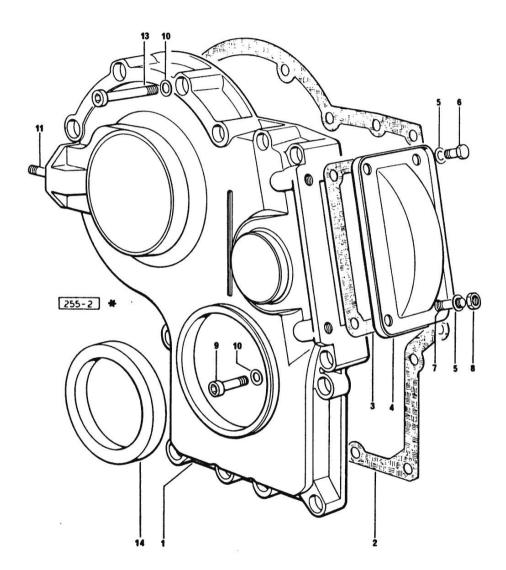
29 25 43

37 36--

35—@ 41—@ 38—Û

Fig.	P/n	QTY	Name
-	0.065.444.0.5		
27	0.065.1112.7	1	support
27	2.1699.165.0	1	bush 12.3x15x16
28	0.065.1114.7/10	3	support
29	0.065.1116.7	1	support
29	2.1699.165.0	1	bush 12.3x15x16
30	0.065.1117.0	10	screw m 12 x 100
31	0.066.1151.0	1	pin
32	0.065.1141.0	1	special bushing 59X55X30
33	0.065.1140.0	4	special bushing 59X55X20
34	2.3179.012.0	1	plug 60
35	2.3130.001.1	10	plug 1/8" gas
36	2.3130.002.1	2	plug 1/4" gas
37	2.3130.003.1	7	plug 3/8" gas
38	2.3199.092.0	4	plug 8 x 12
39	2.1560.017.0	1	gasket 22.2 x 27
40	2.3120.002.4	1	plug m 22 x 1.5
41	2.1324.011.0	1	plug
42	2.0112.511.1	8	screw m 14 p.2 x 30
43	0.066.1130.0	1	flange
			2590 <-
43	0.066.1130.0/10	1	old part number
			-> 2591
44	2.1651.912.0	2	cylindrical plug 12x28
45	2.1651.917.0	1	cylindrical plug 12x40
46	2.0432.255.1	2	stud bolt m 12 p.1.75 - 12 p1.25x25
47	2.1539.048.0	2	special oil seal 20.35x1.78
48	2.6859.074.2/10	1	clamp
			() <-
49	0.065.1165.2	1	sediment bowl
			-> ()
50	2.6859.073.2	2	clamp
			() <
51	0.065.1166.0	1	sleeve
			-> ()
52	2.1560.017.0	1	gasket 22.2 x 27
53	2.3120.002.4	1	plug m 22 x 1.5
54	2.0112.004.2	1	screw m 6 p.1 x 14
55	2.1470.002.2	1	lock washer 6
56	2.1011.103.2	1	nut m 6 p.1
			•

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Section: ENGINE TIMING CASE Ref: 01.00.1

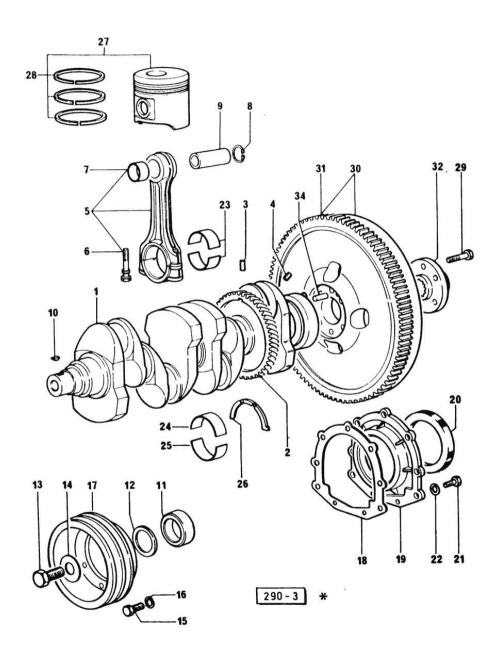
P/n	QTY	Name

Notes:

Fig.

[EXPLOR	ER 70 SPECIAL]			
1	0.065.1132.0/20	1	guard	
2	0.065.1150.0/10	1	gasket	
3	0.065.1152.0	1	gasket	
4	0.065.1151.0	1	cover	
5	2.1470.004.2	4	lock washer 8	
6	2.0112.205.2	2	screw m 8 p.1.25 x 16	
7	2.0432.001.1	2	stud bolt m 14 p.2-1.5x35	
8	2.1011.405.2	2	nut m 8 p.1	
9	2.0312.208.1	8	screw m 8 p.1.25 x 25	
10	2.1480.014.1	15	washer 8	
11	2.0432.003.7	2	stud bolt m 8 p.1.25 / p.1 x 20	
13	2.0312.214.1	3	screw m 8 p.1.25 x 40	
13	2.0312.219.2	4	screw m 8 p.1.25x65	
14	2.1529.072.0	1	oil seal	

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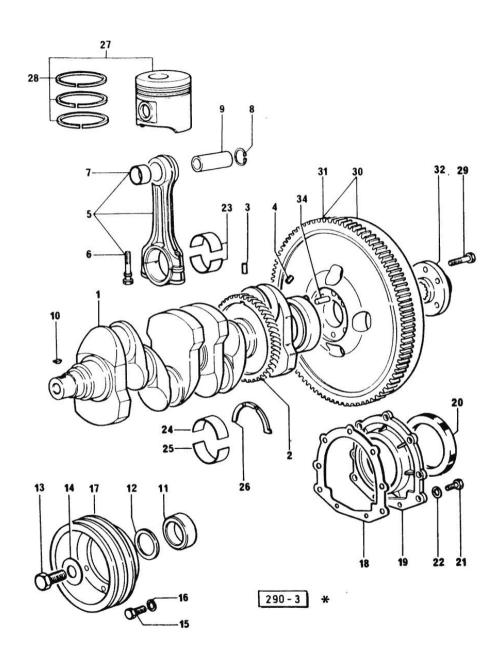


Section: ENGINE

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CRANKSHAFT

Fig.	P/n	QTY	Name	
Notes:				
	ER 70 SPECIAL]			
·	,			
1	0.065.1210.3/20	1	old part number	
			4196 < X 916.4A	
1	0.066.1210.3/20	1	crankshaft	
			-> 4197 - PER MOTORE 916.4A	
1	0.086.1210.3/10	1	crankshaft	
			X 1000.4 A	
2	0.065.1211.0/10	1	crown wheel	
3	2.1630.608.0	1	pin 6x16	
4	2.3130.001.1	4	plug 1/8" gas	
5	0.065.1220.3/10	4	engine connecting rod	
-	0.070.1220.2/10	4	X 916.4 A	
5	0.078.1220.3/10	4	engine connecting rod - X 1000.4 W	
6	2.0139.021.0	0	X 1000.4 A	
6 7	0.065.1227.0	8 4	screw	
/	0.005.1227.0	4	special bushing X 916.4 A	
7	2.1559.114.0/10	4	special bushing	
,	2.1337.114.0/10	7	X 1000.4 A	
8	2.1411.013.1	8	circlip 32	
Ü	2.1 111.013.1	Ü	X 916.4 A	
8	2.1411.014.1	8	circlip 35	
			X 1000.4 A	
9	0.065.1236.0	4	piston pin	
			X 916.4 A	
9	0.078.1236.0	4	piston pin Ø $18 / Ø 35 / L = mm 86$	
			X 1000.4 A	
10	2.1720.006.0	3	key 4x6.5	
11	0.065.1248.0/10	1	hub	
			() <-	
11	0.085.1248.0	1	hub	
			-> ()	
12	2.1589.136.0	1	shoulder ring 71x110x0.5	
			() <-	
12	2.1589.137.0	1	shoulder ring 71x110x1	
			() <-	
12	2.1589.189.0	1	shoulder ring mm 1.00	
			-> ()	
13	2.0399.095.2/10	1	screw	
	2 22 22 2 1 1 1 -		() <-	
13	2.0399.144.7	1	screw m 20 p.1.5x51	1/3
			-> ()	

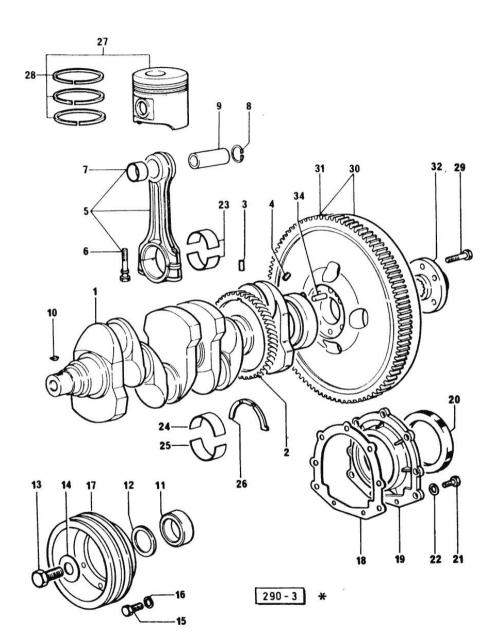


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CRANKSHAFT

Fig.	P/n	QTY	Name
14	2.1599.503.2	1	shoulder ring
	2.1377.303.2	•	() <-
14	2.1599.524.7	1	washer 21x60x12
	2.1099.021.7	•	-> ()
15	2.0112.317.2	6	screw m 10 p.1.5 x 45
10	2.0112.317.2	· ·	() <-
16	2.1470.006.2	6	lock washer 10
	2.1.17.01000.2	•	() <-
17	0.065.1244.0	1	pulley
			() <-
17	0.085.1244.0	1	pulley
			-> ()
18	0.065.1254.0	1	gasket
19	0.065.1253.0/10	1	cover
20	2.1529.073.0	1	special oil seal 110x130x13
21	2.0112.207.2	9	screw m 8 p 1.25 x 20
22	2.1474.009.2	9	spring washer 8
23	0.065.1225.0	8	con.rod half bushing STANDARD - $A = 28.75 \rightarrow 29.00$
23	0.065.1225.7	8	con.rod half bushing - mm 0.25
23	0.065.1225.8	8	con.rod half bushing - mm 0.50
24	0.065.1215.0	5	main half bushing STANDARD
24	0.065.1215.7	5	main half bushing - mm 0.25
24	0.065.1215.8	5	main half bushing - mm 0.50
25	0.065.1216.0	5	main half bushing
25	0.065.1216.7	5	main half bushing - mm 0.25
25	0.065.1216.8	5	main half bushing - mm 0.50
26	0.065.1218.0	4	shim STANDARD
26	0.065.1218.7	4	$shim + mm \ 0.10$
26	0.065.1218.8	4	$shim + mm \ 0.15$
27	0.069.0060.6	4	complete piston STANDARD
			X 916.4 A
27	0.086.0060.6	4	complete piston
			X 1000.4 A
28	0.069.0052.6	4	piston ring set
			X 916.4 A
28	0.086.0052.6	4	piston ring set
			X 1000.4 A
29	2.0139.022.2	6	screw m 12 p.1.25x55
30	0.065.1247.3	1	flywheel
			1180 <-
30	0.065.1247.3/20	1	old part number
			-> 1181 AL No. () ORDER ALSO 1x 255.2320.3/10 - 6x
			2.0112.207.2 - 6x 2.147.009.1 - 3x 2.1699.173.0 2/3

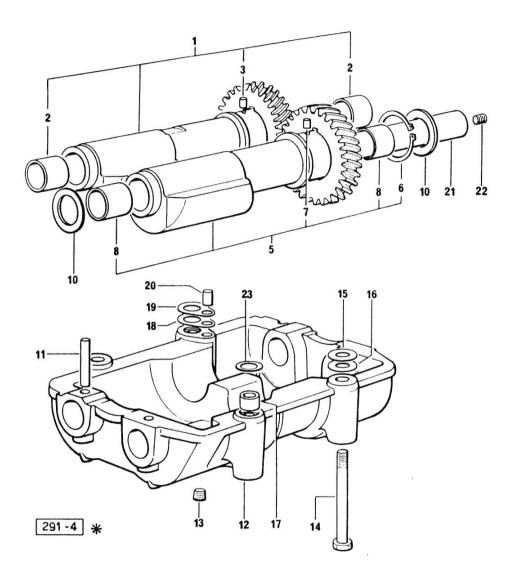


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CRANKSHAFT

Fig.	P/n	QTY	Name
32	0.255.2525.0/10	1	flange
34	2.1652.915.0		cylindrical plug 12x35



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COUNTERWEIGHTS

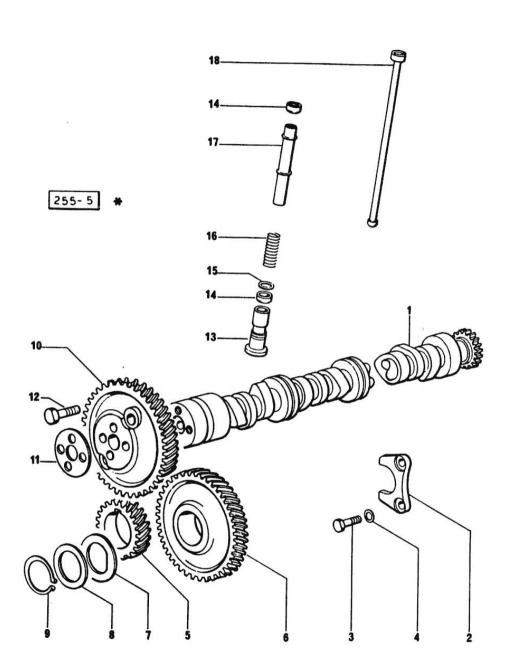
6x30x30
6x30x30
x34x1
5 x 90
x26x0.3
1
1
0.3
0.1
1
x26x0.3

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Fig.	P/n	QTY	Name
Notes: [EXPLORE	ER 70 SPECIAL]		
1	0.065.1324.0	1	gear
1	0.066.1310.3/30	1	camshaft
2	0.065.1353.0	1	small plate
3	2.0312.205.2	2	screw
4	2.1480.014.1	2	washer 8
5	065.1323.0/20	1	-
6	065.1325.3/20	1	-
6	2.1559.185.0/10	1	bushing
7	065.1351.0	2	-
8	0.065.1352.0	1	shim
9	2.1410.016.1	1	circlip 40
10	0.065.1354.0/10	1	gear z=58
11	0.065.1350.0	1	small disc
12	2.0132.207.2	4	screw m 10 p.1 x 25
13	0.065.1330.0	8	tappets
14	2.1569.114.0	16	gasket
15	2.1599.437.0	8	shoulder ring
16	2.4019.300.1	8	spring
17	0.065.1332.0	8	sleeve
18	0.065.1331.2	8	rod

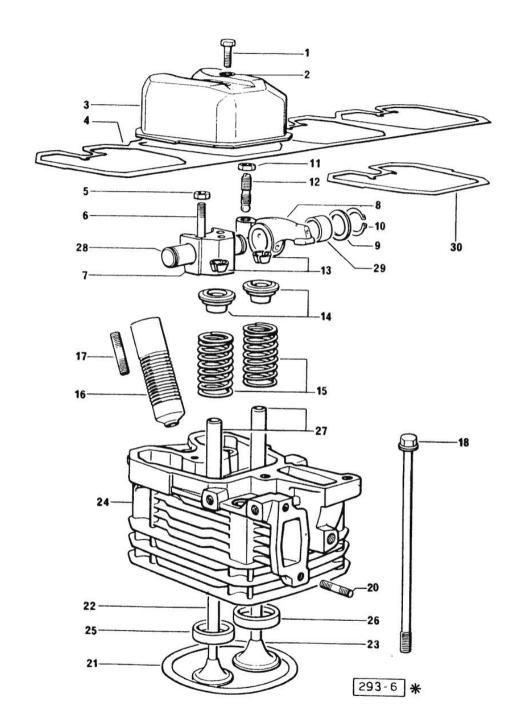


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CYLINDER HEAD

Fig.	P/n	QTY	Name
Notes:			
	ER 70 SPECIAL]		
0	0.065.0057.6	4	gasket set
			- FOR 1 CYLINDER VALVE GRINDING AND PISTON
			RINGS REPLACEMEN - X 916.4 A
0	0.085.0057.6	4	gasket set
v	0.0000.000	·	- FOR 1 CYLINDER VALVE GRINDING AND PISTON RINGS REPLACEMEN - X 1000.4 A
1	2.0112.211.2	4	screw m 8 p.1.25 x 30
2	2.1560.204.0	4	gasket
3	0.066.1440.0/10	4	small cap
4	0.065.1450.0/10	1	gasket
5	2.1011.321.2	8	nut m 10 p.1.25
6	2.0432.163.1	8	stud bolt m 10 p.1.5 / p.1.25 x 45
7	0.066.1430.0	4	support
8	0.066.1432.0	8	rocker arm
9	2.1599.432.0	8	shoulder ring
10	2.1410.055.1	8	circlip 19
11	2.1011.405.2	8	nut m 8 p.1
12	0.021.1434.0	8	screw
13	0.074.1423.0	8	conical valve cotter
14	0.066.1425.0	8	cup
15	2.4019.287.0	8	spring
16	0.065.1413.0/10	4	bush L = mm 97.1
17	2.0432.161.7	4	stud bolt m 10 p.1.5 / p.1.25 x 40
18	0.065.1443.0/20	16	screw
20	2.0432.007.1	8	stud bolt m 8 p.1.25 / p.1 x 30
21	0.085.1450.0	4	head gasket mm 0.5 -A- X 1000.4 A
21	0.085.1451.0	4	head gasket mm 0.7 -B- X 1000.4 A
21	0.085.1452.0	4	head gasket mm 1.0 -C- X 1000.4 A
21	0.085.1453.0	4	head gasket mm 0.8 -D- X 1000.4 A
21	2.1569.112.0	4	gasket
22	0.066.1401.0	4	X 916.4 A
22	0.066.1421.0	4	exhaust valve
23	0.066.1420.0	4	inlet valve Ø mm 9
22	0.070.1430.0	4	X 916.4 A
23	0.078.1420.0	4	inlet valve

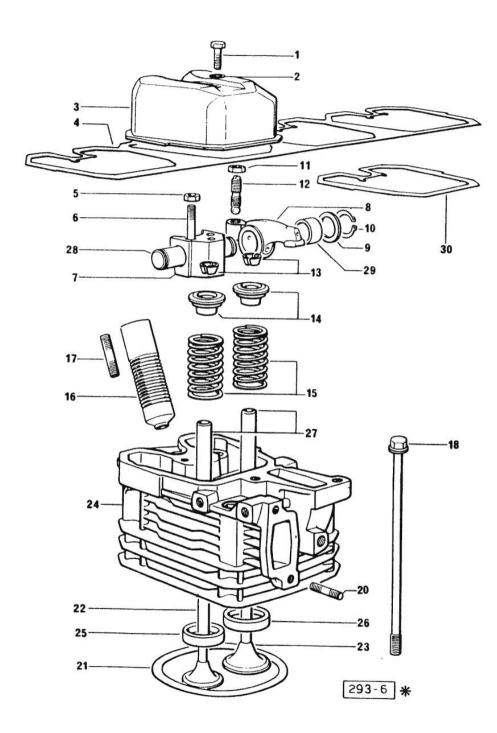


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CYLINDER HEAD

Fig.	P/n	QTY	Name
			X 1000.4 A
24	0.065.1410.3/20	4	engine head
	010001111010120	•	X 916.4 A
24	0.081.1410.3/10	4	engine head
			X 1000.4 A
25	0.066.1427.0	4	valve seat
26	0.066.1426.0	4	valve seat
			X 916.4 A
26	0.078.1426.0	4	valve seat
			X 1000.4 A
27	0.066.1416.0	8	valve guide
28	0.066.1431.0	4	pin
29	2.1559.021.0/40	8	bushing 15x19x22
30	0.066.1450.0	4	tappet gasket

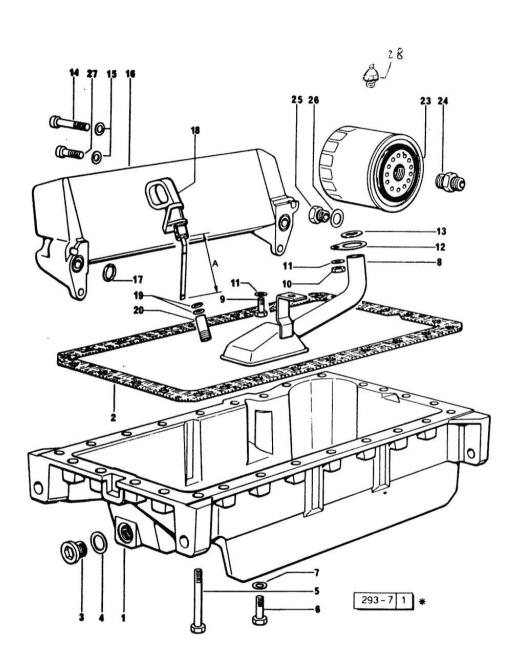


Section: ENGINE

Ref: 01.00.6

LUBRICATION

Notes: [EXPLORER 70 SPECIAL] 1 0.065.1510.0/20 1 oil sump 2 0.065.1550.0 1 gasket	
[EXPLORER 70 SPECIAL] 1 0.065.1510.0/20 1 oil sump	
1	
1	
2 0.065.1550.0 1 goskat	
2 0.003.1330.0 1 gasket	
3 2.3199.001.2 1 plug 1/2" gas	\$
4 2.1560.054.0 1 gasket 21 x 2	26
5 2.0112.227.2 6 screw m 8 p.	1.25 x 90
5 2.0112.235.2 3 screw m 8 p.	1.25 x 130
6 2.0112.215.2 17 screw m 8 p.	1.25 x 40
7 2.1470.004.2 26 lock washer	8
8 0.065.1531.3 1 tube	
9 2.0112.205.2 1 screw m 8 p.	1.25 x 16
10 2.1011.105.2 1 nut m 8 p.1.2	25
11 2.1470.004.2 2 lock washer	8
12 0.065.1538.0 1 flange	
13 2.1539.040.0 1 special oil se	al 21.82 x 3.53
14 2.0312.216.1 2 screw	
15 2.1310.004.2 4 flat washer 8	.4x17
16 0.065.1540.3/20 1 oil cooler	
17 2.1539.048.0 2 special oil se	al 20.35x1.78
18 0.066.1513.2/10 1 dipstick mm	106
- WITH SPA	CER
18 0.086.1513.2 1 dipstick	
WITHOUT S	SPACER
19 2.1539.065.0 1 special oil se	al 8.73 x 1.78
20 0.066.1551.0 1 spacer	
23 0.044.1567.0 1 oil filter elen	nent
24 2.3339.307.1/20 1 pipe fitting	
25 2.3339.353.2 1 pipe fitting	
10507 <-	
25 2.3339.353.2/10 1 pipe fitting 1	2 p.1.5-18 p.1.5
-> 10508	•
26 2.1560.014.0 1 washer 18.2	x 24
27 2.0399.113.2/10 2 screw	
28 2.7099.040.0/10 1 pressure swit	tch
10507 <-	
28 2.7099.960.0 1 pressure swit	tch 11 Bar
-> 10508	



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