

## STANDARD PART LIST (M97 2006 – 2008, not for M96!!)

Part name	Qty	Part number	genuine/OEM	Cost (ea)	Cost (ext)	Source	Comment
Head gasket	2	100-904-211	OEM (M97.1 SET)	\$408.95	\$408.95	europarts.com	complete gasket and seal set, Europarts states it's OEM but does not list manufacturer, likely Eling.
Main oil pump housing gasket	1						
Thermostat gasket	1						
Upper radiator hose gasket	1						
Upper case water jacket	1						
Water bypass gasket	1						
Water housing gasket	1						
Water outlet gasket	1						
Water pump gasket	1						
Water temp sensor gasket	1						
Air injection cut-off valve gasket	1						
Crankcase lid gasket	1						
Secondary Air Injection Pipe Bracket	1						
Gasket	1						
Secondary Air Injection Pipe Gasket (on Crankcase)	1						
Case bolt o rings	4						
Chain rail bolt o ring	6						
Dipstick tube o ring	1						
Inner spark plug tube o ring	6						
Oil pump housing o ring	2						
Outer spark plug tube o ring	6						
Pick up tube o ring	1						
Scavenge pump o ring	2						
Oil fill tube o ring	1						
Large heat exchanger seal	2						
Oil drain plug seal	1						
Oil level sensor seal	1						
Oil pressure switch seal	1						
Small heat exchanger seal	2						
Solenoid seal	4						
Front seal	1						
Rear main seal	1						
AOS – Primary (for 3.8, 3.6 is 996-107-026-52)	1	997-107-038-01	genuine	\$225.17	\$225.17	Porsche-partsnow.com	Non-OEM from Pelican available (Febi Bilstein for \$91)
AOS – Secondary	2	997-107-138-00	genuine	\$66.95	\$122.44	Porsche-partsnow.com	
Cam sprocket bolts	8	PAF-008-124-A	genuine	\$3.01	\$24.08	Porsche-partsnow.com	
Camshaft gear bolt	2	987-105-254-00	genuine x2	\$18.54	\$37.08	Porsche-partsnow.com	reuse unless worn
Camshaft shim washer	2	996-105-203-00	genuine x2	\$23.90	\$47.80	europarts.com	
Carrier bolts	14	996-101-115-62	genuine x14	\$6.93	\$97.02	Porsche-partsnow.com	ARP are \$130 from LNE
Case bolts	25	9A7-008-125-00	genuine x25	\$0.75	\$18.75	europarts.com	
Crush washer	1	900-123-106-30	genuine	\$1.61	\$1.61	Porsche-partsnow.com	
Head bolts	24	996-104-180-58	OEM x24	\$8.20	\$196.80	europarts.com	reuse unless worn
Large cam plug	2	Could not find					
Exhaust Lifter	12	996-105-041-72	OEM (INA 4200104100)	\$15.92	\$191.04	europarts.com	reuse unless worn
Lower case water jacket	1	included with thermostat					
Main bearing	14	996-101-209-04	genuine x14	\$34.95	\$489.30	europarts.com	Possible-OEM full set from Pelican for \$328 (Kolbenschmidt 996-101-209-04-SET-M173)
Oil cooler	1	997-107-025-02	OEM (Mahle CLC61000P)	\$173.95	\$173.95	europarts.com	reuse unless worn
Oil drain plug	1	900-219-009-30	OEM (900-219-009-30)	\$2.92	\$2.92	europarts.com	
Oil filter	1	996-107-225-60	OEM (Mann HU7195X)	\$8.75	\$8.75	europarts.com	
Rod bearing	12	996-103-121-62	genuine x12	\$9.30	\$111.60	europarts.com	
Rod bolts	12	997-103-115-01	OEM x12	\$3.46	\$41.52	europarts.com	
Small cam plug	4	996-104-215-54	OEM (Eling 692290)	\$6.91	\$27.64	europarts.com	
Spark plug	6	999-170-223-90	OEM (Bosch FGR5KQE0)	\$5.80	\$34.80	europarts.com	
Tensioner paddle wear pin	1	996-105-197-00	genuine	\$44.10	\$44.10	Porsche-partsnow.com	
Tensioner washer	4	900-123-147-30	genuine	\$1.08	\$4.32	Porsche-partsnow.com	
Thermostat	1	996-106-013-61	OEM (Wahler 424971D)	\$49.95	\$49.95	europarts.com	Comes with housing/jacket, 71 deg opening
Thrust bearing	2	996-101-129-52	genuine	\$13.77	\$27.54	europarts.com	Alternate: 0PB-105-638 (may be superseded)
Timing chain	2	996-105-152-01	OEM (IWIS 50026971) x2	\$42.95	\$85.90	europarts.com	Says BMW part but IWIS PN same for M97
Timing chain (IMS large sprocket)	1	996-105-171-58	genuine	\$129.60	\$129.60	Porsche-partsnow.com	
Timing chain guide (IMS large sprocket)	1	996-105-166-51	genuine	\$41.01	\$41.01	Porsche-partsnow.com	
Guide rail (left lower, right lower)	2	996-105-168-04	genuine x2	\$35.35	\$70.70	Porsche-partsnow.com	
Timing chain rail (tensioner side 1-3)	1	996-105-156-00	genuine	\$38.99	\$38.99	Porsche-partsnow.com	
Timing chain rail (tensioner side 4-6)	1	996-105-158-01	genuine	\$43.20	\$43.20	Porsche-partsnow.com	
Timing chain rail (1-3)	1	996-105-054-01	genuine	\$66.12	\$66.12	Porsche-partsnow.com	
Timing chain rail (4-6)	1	996-105-164-00	genuine	\$38.95	\$38.95	europarts.com	
Timing chain rail pad (for IMS tensioner)	1	996-105-195-00	genuine	\$24.76	\$24.76	europarts.com	
Valve cover bolts	54	999-385-003-01	genuine	\$2.65	\$143.10	Porsche-partsnow.com	
				SUM	\$3,069.46		
				SUM w/o red	\$2,470.59		
				SUM w/o red with green option	\$2,175.12		

## PREMIUM PARTS LIST FOR M97 (ADDITIONAL)

Part name	Qty	Part number	genuine/OEM	Cost (ea)	Cost (ext)	Source	Comment
Air injection cut-off valve gasket	1	included in gasket set					
Cam sensor	2	997.606.106.03	OEM (Bosch 0232103092)	\$23.82	\$47.64	europarts.com	reuse unless worn
Chain Tensioner - IMS	1	996-105-180-58	genuine	\$75.30	\$75.30	Porsche-partsnow.com	reuse unless worn
Chain Tensioner - Lower Left	1	996-105-186-02	genuine	\$102.35	\$102.35	Porsche-partsnow.com	reuse unless worn
Chain Tensioner - Upper Right	1	996-105-188-02	genuine	\$121.07	\$121.07	Porsche-partsnow.com	reuse unless worn
Crank sensor	1	986-606-112-04	OEM (Bosch 0261210248)	\$52.95	\$52.95	europarts.com	reuse unless worn
Knock sensor	2	0PB-905-377-B	OEM (Bosch 0261231173)	\$23.24	\$46.48	Pelican Parts	reuse unless worn
Oil fill tube	1	997-107-131-00	genuine	\$78.84	\$78.84	Porsche-partsnow.com	reuse unless worn
Oil level sensor	1	996-606-150-01	genuine	\$83.00	\$83.00	Porsche-partsnow.com	reuse unless worn
Oil pressure switch	1	996-606-203-03	genuine	\$70.90	\$70.90	Porsche-partsnow.com	reuse unless worn
Secondary Air Injection Pipe Bracket	1	included in gasket set					
Gasket	1	included in gasket set					
Secondary Air Injection Pipe Gasket (on Crankcase)	1	included in gasket set					
Solenoid (variable valve timing)anos\y	4	996-105-303-06 (front) 996-105-301-04 (rear*) 997-105-301-00 (rear*)	genuine x2 Genuine x2	\$202.18 \$194.79	\$793.94	Porsche-partsnow.com	reuse unless worn * Note: PN on rear Solenoid changed partway through the M97 run, need to check engine number
Vent hose - primary oil separator to engine	1	997-107-145-02	OEM (4008292)	\$60.95	\$60.95	europarts.com	reuse unless worn
Vent hose - primary to secondary oil separator (cyl. 1-3)	1	997-107-143-01	OEM (4008293)	\$44.95	\$44.95	europarts.com	reuse unless worn
Vent hose - primary to secondary oil separator (cyl. 4-6)	1	997-107-146-03	OEM (4008291)	\$103.95	\$103.95	europarts.com	reuse unless worn

Vent line for primary oil separator (lower fitting)	1	997-106-024-02	genuine	\$50.76	<b>\$50.76</b>	Porshepartsnow.com	reuse unless worn
Water pump	1	997-106-011-06	OEM (Pierburg 728015020)	\$189.95	<b>\$189.95</b>	europarts.com	europarts.com also has a Gates 42579 WP listed as OEM quality for \$132
Water temperature sensor	1	996-606-410-00	genuine	\$31.95	<b>\$31.95</b>	europarts.com	reuse unless worn
				<b>SUM</b>	<b>\$1,954.98</b>		
				<b>SUM w/o red</b>	<b>\$189.95</b>		
				<b>SUM w/o red with green option</b>	<b>\$131.95</b>		

**Legend on cost column:**

- Black: part should be replaced
- Red: part may be reused if not damaged or worn excessively
- Green: No OEM option found but other sources shown in comments could be considered

**Updates:**

- Secondary AOS is quantity 2 not 1
- Valve solenoid (rear) may change mid way through M97 build to 997-105-301-00