

We recommend replacing these products at best order them immediately.

When replacing these products, we recommend that the products listed below be also replaced.*

▶ It is generally recommended to replace the motor oil and the oil filter.

tappets required

camshaft

camshaft kit

conrod bearings

connecting rod

valves

shaft seals valve cover gasket timing belt drive/	required
chain drive water pump	
tappets shaft seals valve cover gasket	required
tappets recommende	ed at 100.000km

valve-springs if worn out

valve guides if worn out

valve collets required cylinder head gasket set required cylinder head bolts required

oil pan gasket required

connecting rod bolts required

full gasket set recommended

conrod bearings required cylinder head bolts.....required

full gasket set recommended crankcase gasket set required

main bearings required main bearing bolts recommended conrod bearings required

connecting rod bolts required cylinder head bolts required



cylinder head

cylinder head gasket	required
(diesel: partly different thic	cknesses)
cylinder head bolts	required
thermostatrecord	nmended

air filter recommended thermostat recommended

chain drive recommended cylinder head gasket set.....required cylinder head bolts required

timing belt drive/

cvl lin

unaer	
ers	and the
	1

pistons	recommended

full gasket set recommended

pistons and	
piston rings	
100	

conrod bearings	recommended
connecting rod bolts	required
cylinder head bolts	required
cylinder liners	recommended
(engine-dependent: eng	ine with liners)

turbocharger



charger gasket set	required
air filter	required
oil lines	recommended
oil cooler	recommended
charge air cooler	recommended
adjacent parts of turbocharger see Sl0089	

oil pump

oil pump drive	recommended
oil pan gasket	required



This list is not intended to be exhaustive.

For further information see: www.ms-motorservice.de/downloads

*The repair instructions issued by the engine manufacturer must be observed.











