

Service Bulletin

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BMW Motorrad USA

Subject: Torque values changed for engine block, engine cover and cylinder head, F 650 GS, F 650 GS Dakar, F 650 CS.

Details: As a result of quality monitoring, BMW Motorrad has determined that leaks can develop at the engine block and the engine covers.

Service Solution: **Engine Block and Engine Covers:** The tightening torque values for the M6 screws of the engine block and the M6 screws for the engine covers have been increased.

If the engine shows signs of slight leaks, the engine block and engine cover screws should be tightened to the new torque value and the engine tested for leaks.

More extensive repairs should not be attempted unless this initial measure is unsuccessful.

New Torque Values: 12 Nm. (increased from 10 Nm)

The new torques values for these M6 screws are noted in the 09/2003 edition TSD CD.

Service Solution: **Torquing procedure, cylinder head screws:** BMW Motorrad has reviewed and redefined the procedure for torquing the threaded fasteners securing the cylinder head.

1) The tightening torque of the M8x53 collared screws has been reduced to a **new specification of 30 Nm, threads free of oil.** The original specification was 33 Nm, threads free of oil.

Important Note: Under no circumstances is oil to be applied to the threaded fasteners. If in doubt about the status of the collard screws, install new parts.

2) The cylinder head gasket has been modified: The new cylinder head gasket has been modified with the addition of two extra beads. They prevent engine oil from entering the bores for the engine stud bolts.

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