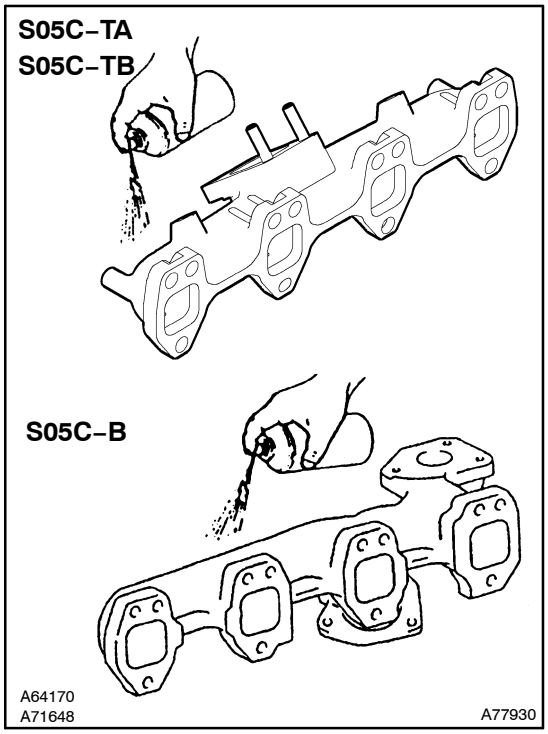
EXHAUST MANIFOLD

INSPECTION

1508L–01



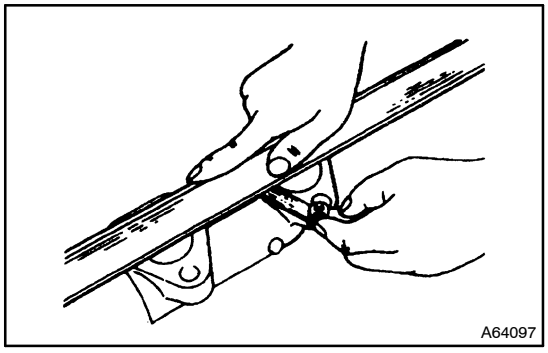
1. INSPECT EXHAUST MANIFOLD

HINT:

Clean the exhaust manifold with a commercial cleaning agent before the inspection.

(a) Using a dye penetrate, check the exhaust manifold for cracks.

If cracks are found, replace the manifold.



(b) Using a precision straight edge and feeler gauge, measure the surface contacting the cylinder head for warpage.

Maximum warpage: 0.20 mm (0.0079 in.)

If the warpage is greater than the maximum, correct the exhaust manifold by grinding it so that the warpage is within 0.1 mm (0.004 in.) per 2 flanges or 0.1 mm (0.004 in.) per flange.

If damage such as deformation and wear is excessive, replace the manifold.