Ford Engineering Material Specification

Material Name | Specification Number

GASKET, STEEL CORE-FIBERBOARD-ASBESTOS/RUBBER E **ESE-M8G137-A**

NO PART X REF

1. SCOPE

The material defined by this specification is a steel core mechanically bonded to a resin impregnated fiberboard. This subassembly is then faced with an asbestos, synthetic rubber gasket material which is resistant to fuel, oil and water.

2. APPLICATION

This specification was released originally for material used where heat insulation and spacer requirements are involved and where high bolt torque retention is a critical factor such as, a gasket between carburetor and intake manifold.

3. REQUIREMENTS

3.1 CONSTRUCTION

The gasket consists of a perforated low carbon steel core with materials consisting of impregnated fiberboard mechanically bonded to each side of the core and a gasket of synthetic rubber binder and asbestos bonded to the outer sides of the board.

2.1.1 Steel Core — Low Carbon Steel ESE-M1A140-A

Thickness and perforations as specified on engineering drawings.

3.1.2 Fiberboard — Phenolic Resin Sheet ESB-M2E91-A

Thickness as specified on engineering drawing.

3.1.3 Fabrication

The fiberboard shall be plied uniformly and bonded on each side of the steel core and the synthetic rubber binder and asbestos shall be plied uniformly and bonded on the outer sides of the fiberboard to meet the requirements of the application and as specified according to individual blueprints.

3.2 FINISHED GASKET

Use the actual finished insulator or parts thereof for physical test specimens. Specimen size need not conform to reference ASTM test methods.

3.2.1 Density, min (ASTM F 104) — 67 lb/ft^3 (1073 kg/m^3)

Date	Para. No.	Revisions
1978 08 02		Metricated & Retyped CESH-RD782440E-SUPP#5
1972 12 09		Released E3C-93

8001 1390