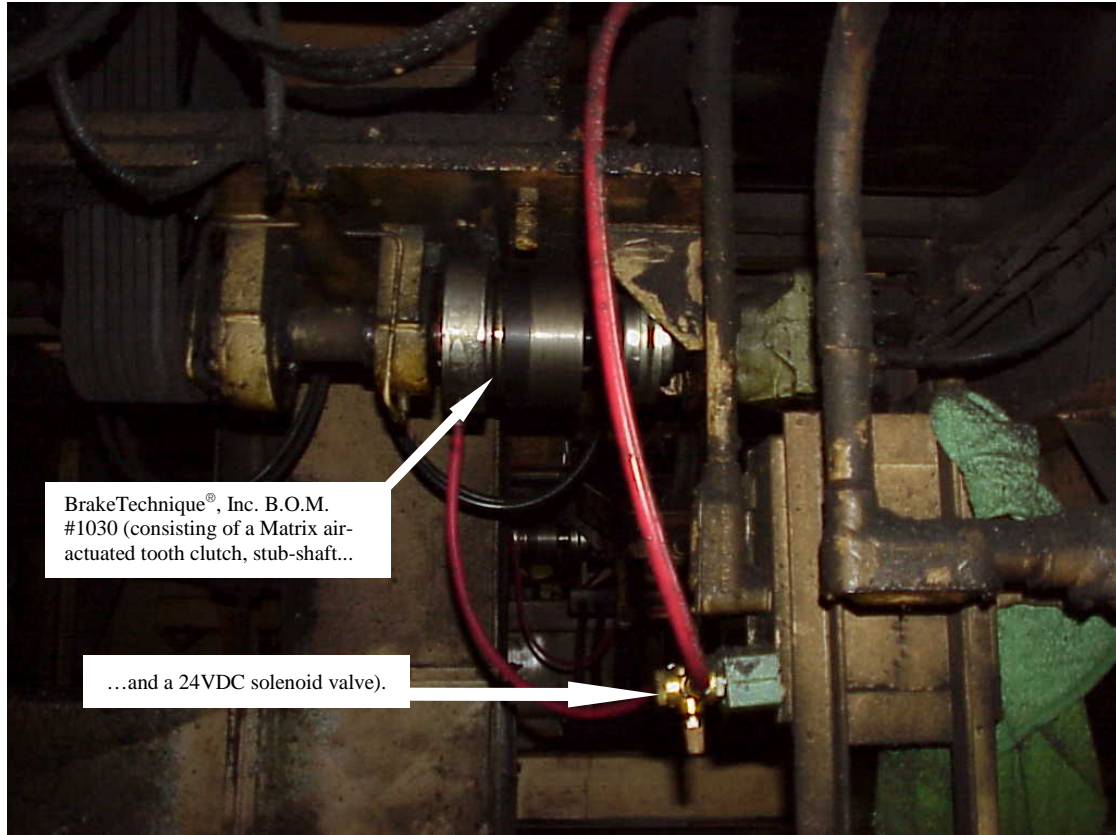


APPLICATION BULLETIN

MATRIX AIR-ACTUATED TOOTH CLUTCH, STUB-SHAFT ADAPTOR,
AND 24VDC SOLENOID VALVE



BrakeTechnique®, Inc. B.O.M.
#1030 (consisting of a Matrix air-
actuated tooth clutch, stub-shaft...

...and a 24VDC solenoid valve).

INDUSTRY: AUTOMOTIVE

APPLICATION: Burke-Porter Dynamometer (“DVT”, dynamic vehicle testing) machine. This machine drives the drums, which rotate the vehicles wheels, in order to conduct the required testing.

BACKGROUND: The customer contacted BrakeTechnique®, Inc. to repair their (2) Matrix IECO55P electromagnetic tooth clutches. Upon discussion with maintenance personnel, they indicated a desire to change to a different type of clutch due to the down-time and repair costs associated with the IECO55P electromagnetic tooth clutches. BrakeTechnique®, Inc., working in conjunction with the customer’s maintenance department, proposed our bill of material #1030, which consists of a Matrix air-actuated tooth clutch, stub-shaft adaptor, and 24VDC solenoid valve. This package is a direct drop-in replacement unit for the IECO55P electromagnetic tooth clutch.

ADVANTAGES: The Matrix air-actuated tooth clutch and stub-shaft adaptor offers a lower initial cost, less down-time due to maintenance and/or repair thus resulting in lower repair costs, cooler operating temperatures, and readily available spare parts.

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