

# Technical Bulletin

Bulletin No: TCH-013-011

Effective Date: 12/14/05

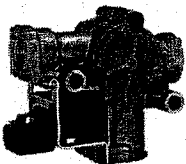
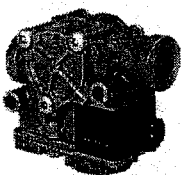




Cancels: N/A

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## Subject: Bendix Modulator Changeover

This Bulletin is to alert vehicle technicians repairing or upgrading Bendix® ABS modulators, that it may be necessary to replace both modulators on the axle to maintain the vehicle's ABS operation to specifications.

Please see the chart below for the applicable replacement guidelines.

Modulator being replaced:		Replacement with an M-30™ modulator	Replacement with an M-32QR™ modulator*	Replacement with an M-32™ modulator
				
M-21™ Modulator 		It is necessary to replace <u>both</u> modulators on the axle with M-30™ modulators	It is necessary to replace <u>both</u> modulators on the axle with M-32QR™ modulators	It is necessary <u>only</u> to replace the modulator with an M-32™ modulator
M-22™ Modulator 		It is necessary to replace <u>both</u> modulators on the axle with M-30™ modulators	It is necessary to replace <u>both</u> modulators on the axle with M-32QR™ modulators	It is necessary <u>only</u> to replace the modulator with an M-32™ modulator
M-30™ Modulator 		It is necessary <u>only</u> to replace the modulator with an M-30™ modulator	It is necessary <u>only</u> to replace the modulator with an M-32QR™ modulator	It is necessary to replace <u>both</u> modulators on the axle with M-32™ modulators

Bendix® M-32QR™ and M-32™ modulators should be replaced like for like.

Please note that due to the critical safety function provided by ABS modulators, Bendix does not assume responsibility for antilock system reliability or performance issues in situations where a substitute non-Bendix® ABS modulator valve is used on a vehicle equipped with Bendix® ABS. In addition, the use of alternate components in place of genuine Bendix® components could lead to rejection of ABS warranty claims.

For more information on Bendix modulators, see Service Data sheets:

M-21™ and M-22QR™ modulators: SD-13-4793

M-30™ modulators: SD-13-4830

M-32™ and M-32QR™ modulators: SD-13-4870

Free downloads are available on [www.bendix.com](http://www.bendix.com).

\* All M-32QR™ modulators except some p/n 5011281 (Bluebird) have the shorter exhaust port.

