

SERVICE BULLETIN

PLAINTIFF'S EXHIBIT

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FOR BRANCHES, DISTRIBUTORS AND CUSTOMERS. (Supersedes Bulletin dated JULY 16, 1976)

CHASSIS AFFECTED ALLENTOWN ☐ HAYWARD ☐ OAKVILLE ☒

ANTI-WHEEL LOCK PICKUP AND VALVE/CONTROLLER ASSEMBLY Service Subassemblies and Components (Eaton, Goodrich and Bendix)

PURPOSE To provide service personnel with part numbers of the component parts used in subject assemblies.

RECOMMENDATION Whenever possible, replace failed components instead of the complete assembly when servicing anti-wheel lock valve/controller assemblies and wheel speed pickups. This practice will lower cost of replacement parts and generally reduce labor time.

INFORMATION Anti-wheel lock controller assemblies consist of three major components or subassemblies which can easily be replaced in the field. They are the valve, controller and solenoid(s). The following parts list shows part number of the valve/controller assemblies currently in use and their components.

Valve/Controller Assembly Component Parts - See Figures 1, 2, 4 and 5.

Vendor	Assembly No.	Controller	Valve	Solenoid Kit
Eaton	Model 21	5MN41R-P1 ①2719-630083(Pos. Grd.)	2719-600084	②2719-640023
		5MN41R-P2 ①2719-630069(Neg. Grd.)		
	Model 1201	5MN48R 2719-630383(Neg. Grd.)	2719-600084	2719-640023
		5MN401R 2719-630380(Neg. Grd.)	2719-600084	2719-640023
B. F. Goodrich	5MN35R	7MN31R	3355-1700-6	③3355-1670-1
Bendix	5MN49R	745-289670(Neg. Grd.)	745-289614	745-289278
	5MN400R	745-289367(Neg. Grd.)	745-289614	745-289278
	5MN402R	745-289367(Pos. Grd.)	745-289614	745-289278
	5MN403R	745-289670(Pos. Grd.)	745-289614	745-289278

- ① Includes gasket, harness pigtail and clip
- ② Includes O-rings
- ③ Includes O-rings and cover gasket

CIRCULATION

Service Manager
Shop Foreman
Night Foreman
Night Foreman
Inspector Leadman
Inspector Leadman
Inspector Leadman
Unit Overhaul Room
Shop Office

(Continued Over)

Service Operations, Allentown, Pa. U. S. A.

Mack

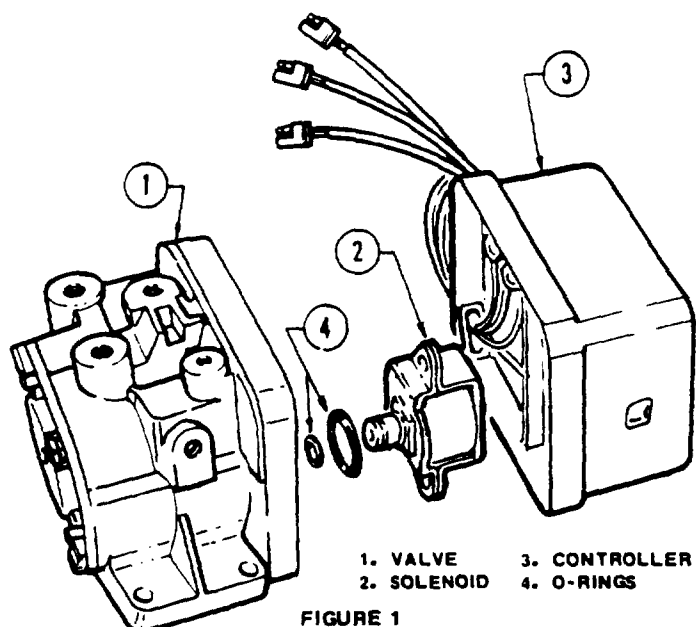


FIGURE 1

EATON VALVE/CONTROLLER ASSEMBLY - MODEL 21

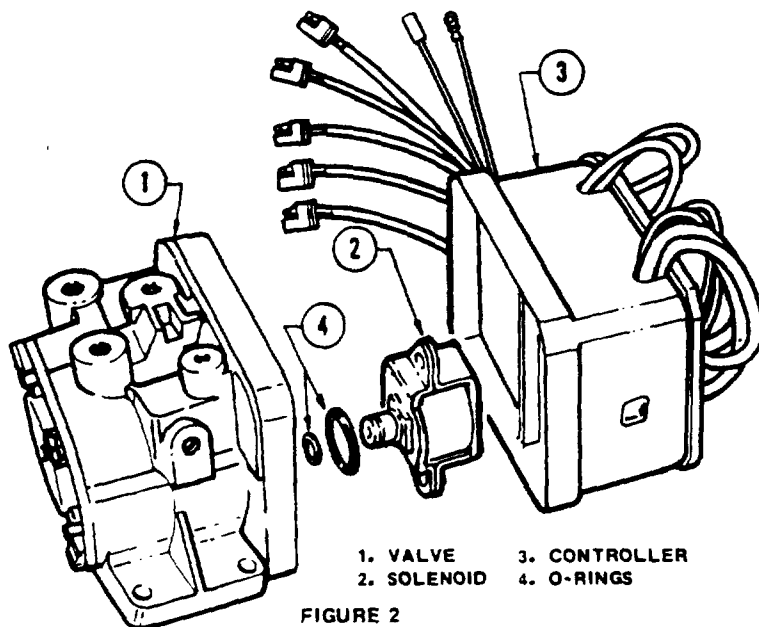
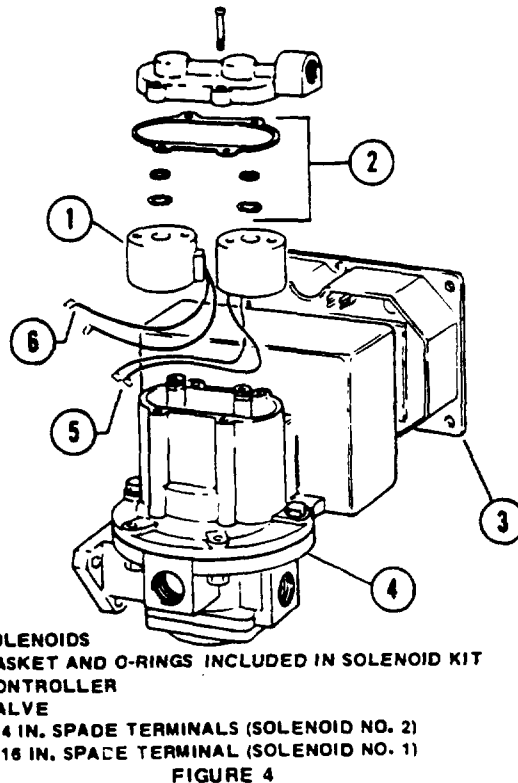
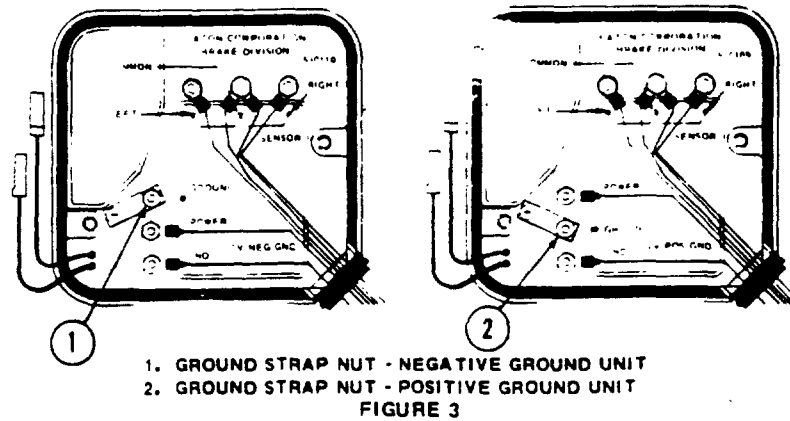


FIGURE 2

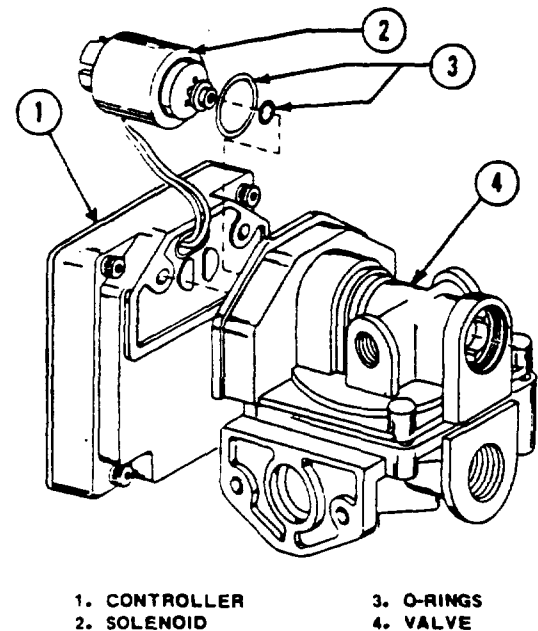
EATON VALVE/CONTROLLER ASSEMBLY - EAL 1201

SERVICE NOTE

Eaton service controllers 2719-630083 and 2719-630069 are furnished without nuts on any of the terminals. Terminal nuts must be transferred from the old to the new controller, including one for the ground strap. The strap is furnished with the controller and installed on the terminal but is not secured with a nut. Some service people have overlooked need for a nut at this location (see Figure 3), resulting in an intermittent ground and erratic performance of the controller.



B.F. GOODRICH VALVE/CONTROLLER ASSEMBLY 5MN 35R



BENDIX VALVE/CONTROLLER ASSEMBLY

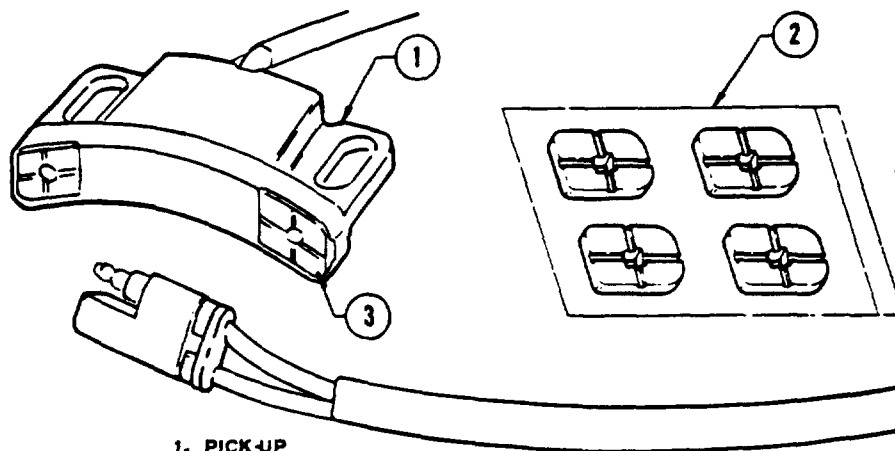
Wheel speed pickup assemblies consist of the pickup, pickup gage blocks and mounting bracket. Gage blocks experience some wear during the initial operating period following a clearance adjustment. They must be replaced when the wear indicator grooves are no longer visible. The following parts list shows part numbers for the gage block service kit and the pickup. Bracket part numbers are not shown because they vary depending on the axle used. Consult chassis record for correct bracket part number.

(Continued Over)

Wheel Speed Pickup Parts - See Figure 6.

Qty.	Part Number	Description
④	2719-640002	Gage Block Service Kit
⑤	9MN32	Wheel Speed Pickup

- ④ Each kit contains four blocks (services one axle)
⑤ One required per wheel



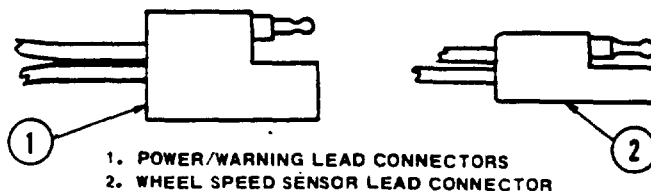
1. PICK-UP
2. GAGE BLOCK KIT (PLASTI-PAK)
3. GAGE BLOCK. REPLACE WHEN WEAR INDICATOR GROOVES ARE NO LONGER VISIBLE.

FIGURE 6
WHEEL SPEED PICKUP

Chassis built prior to January 1976 require an adapter harness when a current production type controller is installed. This is due to the larger power warning lead connector used. See Figure 7.

Qty.	Part Number	Description
⑥	41MR3516-P1	Adapter Harness

- ⑥ One required per controller



1. POWER/WARNING LEAD CONNECTORS
2. WHEEL SPEED SENSOR LEAD CONNECTOR

FIGURE 7
CONNECTORS USED ON CURRENT
PRODUCTION CONTROLLERS