## Service Bulletin

NO. 1285

Date: December 10, 1991

Subject: Ball Guide Motor Drive Shafts and Shaft Sub-assemblies sold for Service Repair

All Fixed and Variable Ball Guide Motor Drive Shafts and Shaft Sub-assemblies used in Models 33 thru 54 Motors are being replaced by the following Pump Drive Shafts and Shaft Sub-assemblies. This change is being made so that all fixed or variable ball guide Motors and Pumps will now use the same drive shafts. This change will take place when all current stock of ball guide motor drive shafts and shaft sub-assemblies is depleted.

Fixed or Variable Motor Shafts			Variable Pump Shafts	
Shaft No.	Shaft S/A No.		Shaft No.	Shaft S/A No.
103203-000	101054-000	replaced by	103202-000	101052-000
103191-000	101058-000	replaced by	103190-000	101056-000
103251-000	101062-000	replaced by	103250-000	101060-000
103205-000	101117-000	replaced by	103206-000	101146-000
103193-000	101119-000	replaced by	103194-000	101158-000
103253-000	101121-000	replaced by	103255-000	101170-000
103254-000	101164-000	replaced by	103252-000	101120-000
103257-000	101174-000	replaced by	103256-000	101172-000
103258-000	101300-000	replaced by	103317-000	103319-000
103208-000	101531-000	replaced by	103207-000	101529-000
103197-000	101535-000	replaced by	103196-000	101533-000
103260-000	101539-000	replaced by	103259-000	101537-000
103210-000	101582-000	replaced by	103209-000	101580-000



Eaton Corporation Hydraulics Division 15151 Hwy. 5 Eden Prairie, MN 55344 Telephone 612/937-9800 Fax 612/937-7130

Eaton Ltd. Hydraulics Division Glenrothes, Fife Scotland, KY7 4NW Telephone 01-592-771-771 Fax 01-592-773-184 Eaton GmbH Hydraulics Products Am Schimmersfeld 7 40880 Ratingen, Germany Telephone 02102-406-830 Fax 02102-406-800



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