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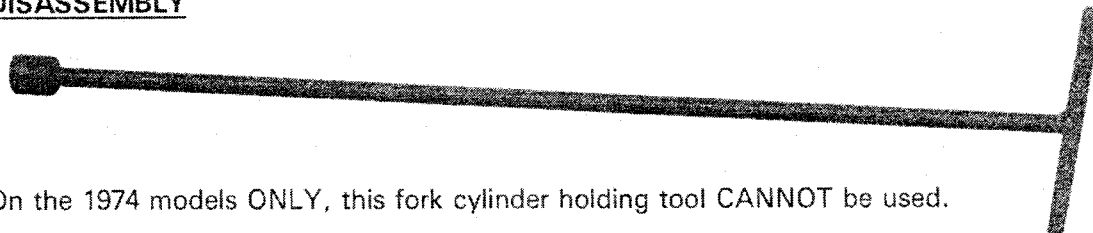
MOTORCYCLE INDUSTRY COUNCIL

BACKGROUND

REFER TO BULLETIN SER 74 GEN-17

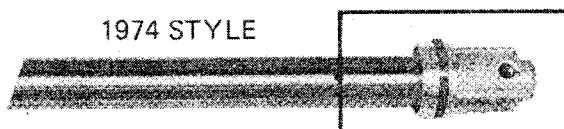
Front fork disassembly and assembly procedures for the S3, H1, H2, Z1, KX250, and KX450 (1974 models) vary from those outlined in the current shop manuals.

DISASSEMBLY

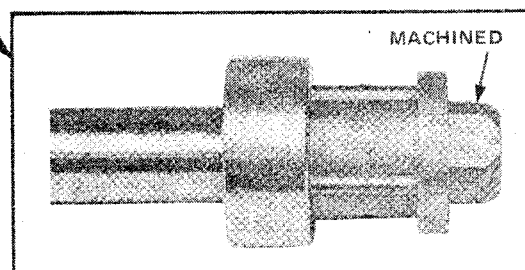
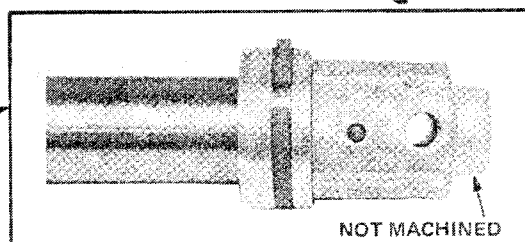
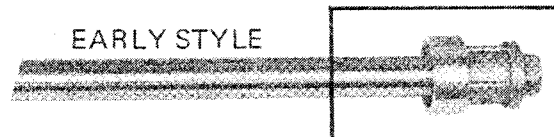


On the 1974 models ONLY, this fork cylinder holding tool CANNOT be used.

1974 STYLE



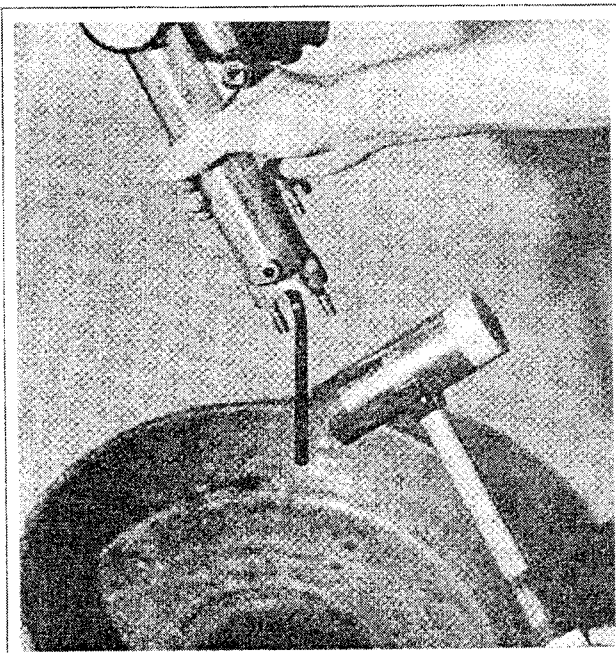
EARLY STYLE



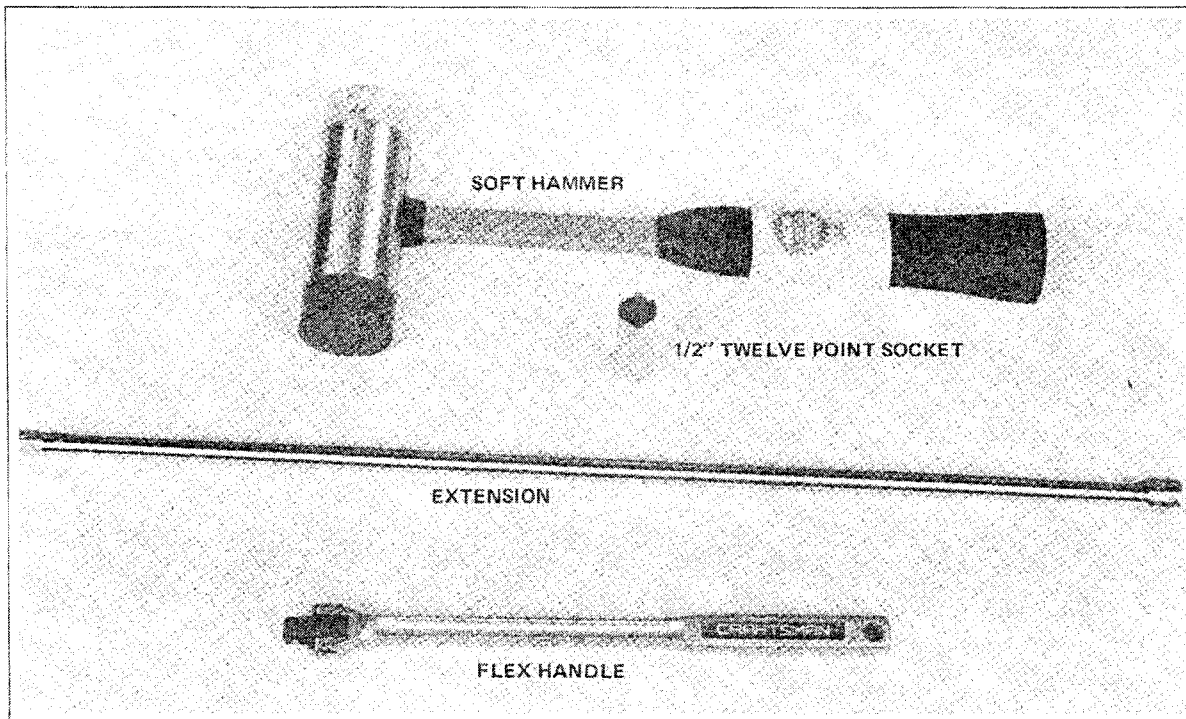
The cap of the 1974 style fork damper cylinder (except KX250) is not machined to fit the fork cylinder holding tool.

NOTE: The 1975 fork damper cylinder remains identical to the 1974 style except the cap is again machined to allow use of the holding tool.

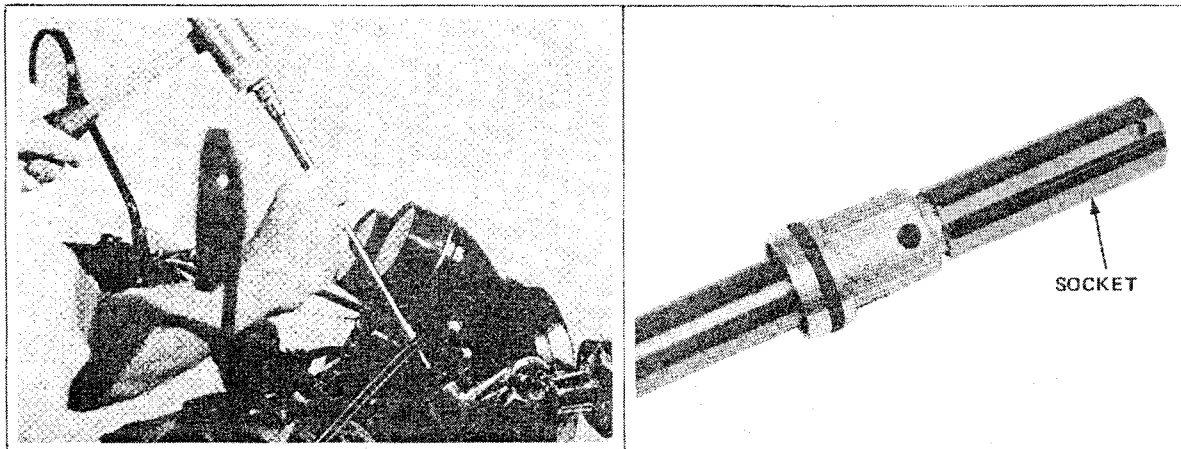
Remove the Allen bolt before disassembling any part of the fork assembly. Fork spring tension on the damper cylinder cap should prevent its rotation.



Please see reverse side for additional information.



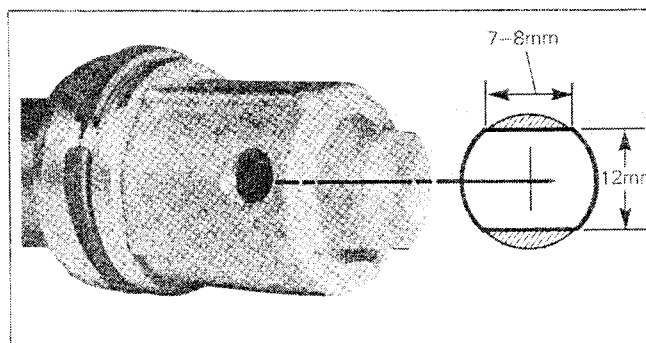
If the damper cylinder rotates with the Allen bolt, gather these tools.



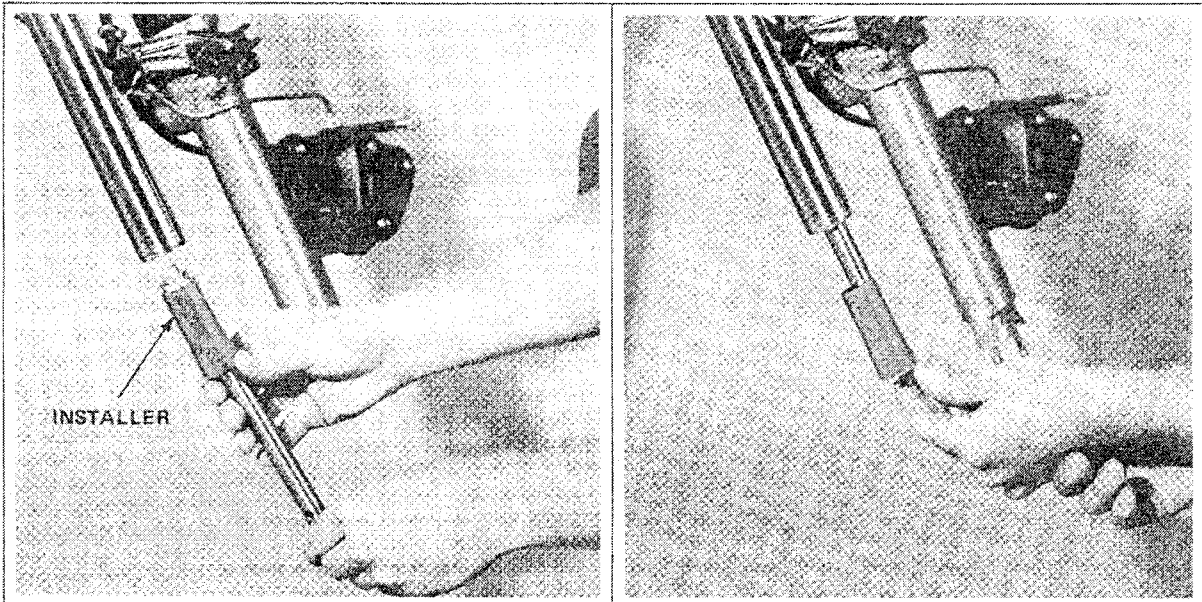
Drive the socket onto the top of the damper cylinder using an extension to reach down into the inner fork tube. Then fit a flex handle onto the extension and remove the Allen bolt.

ASSEMBLY

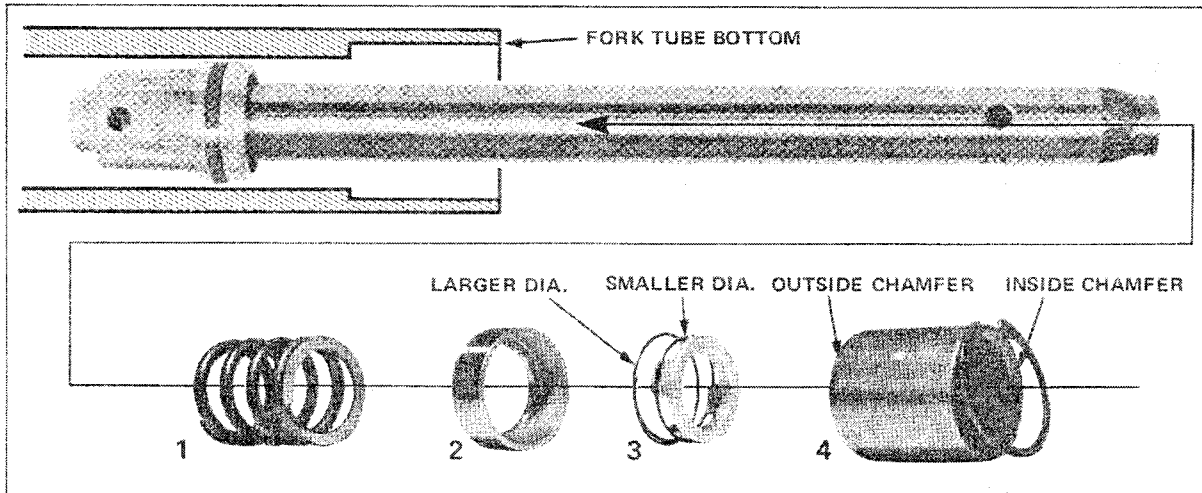
File two flats opposite each other into the 1974 style damper cylinder cap. The damper cylinder holding tool can then be used for future disassembly.



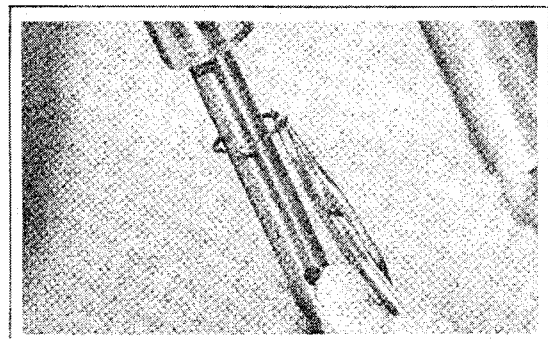
Use the Fork Damper Installer (P/N T56019-004) to compress the phenolic ring on the damper cylinder cap allowing easy installation past the step in the fork tube. This procedure also applies to 1975 models.



Slide these pieces, which are also used on 1975 models, over the damper cylinder and into the fork tube.



Install the snap ring carefully into the fork tube to hold the pieces securely in place. Steps for completing fork assembly are outlined in the Shop Manuals.



WARRANTY INFORMATION

This Bulletin is for service information only, not for warranty authorization.



REFER TO BULLETIN SER 74 GEN-16

PROBLEM

Some 1973 Z1, H2A, H1D, and S2A owners have reported an occasional clunking noise coming from the front forks. The noise occurs when the front wheel hits a rough break in the riding surface, such as a hole in the pavement, railroad crossing, or driveway entrance.

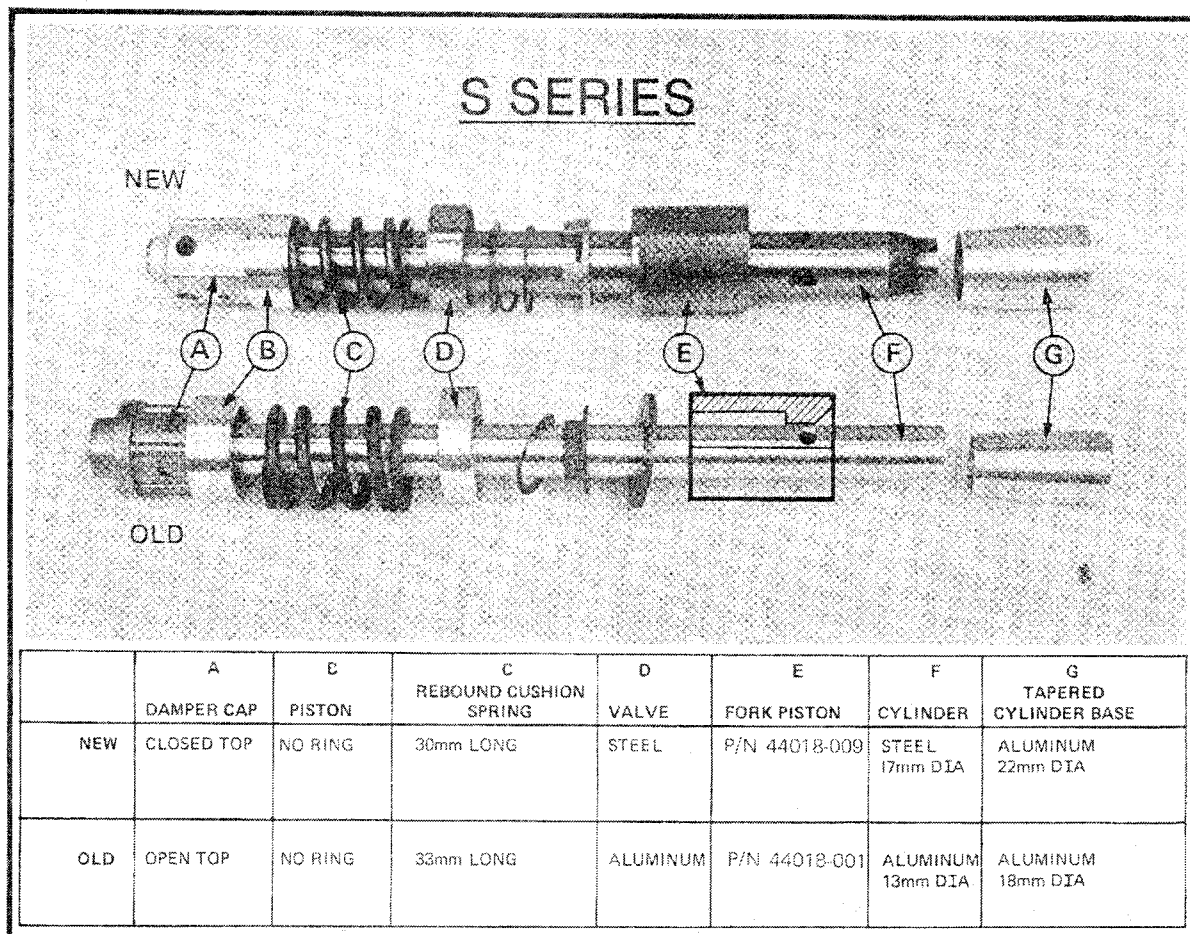
CAUSE

The noise is NOT caused by any loose, broken, or defective front end components. It is caused by the fork oil flow characteristics through the fork damper cylinders during short, rapid fork strokes.

FACTORY ACTION

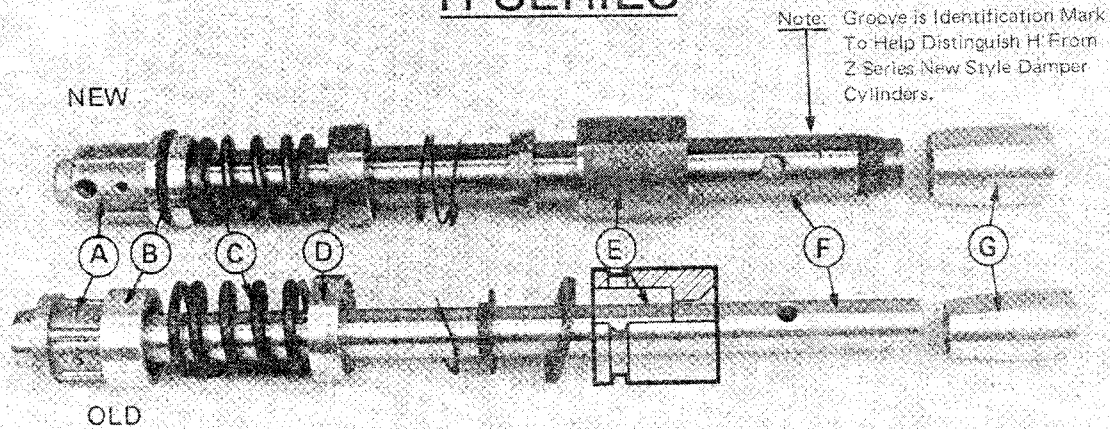
For the 1974 Z1A, H2B, H1E, and S3 models, new style front fork damper cylinders were developed to improve performance and eliminate the clunking noise.

IDENTIFICATION



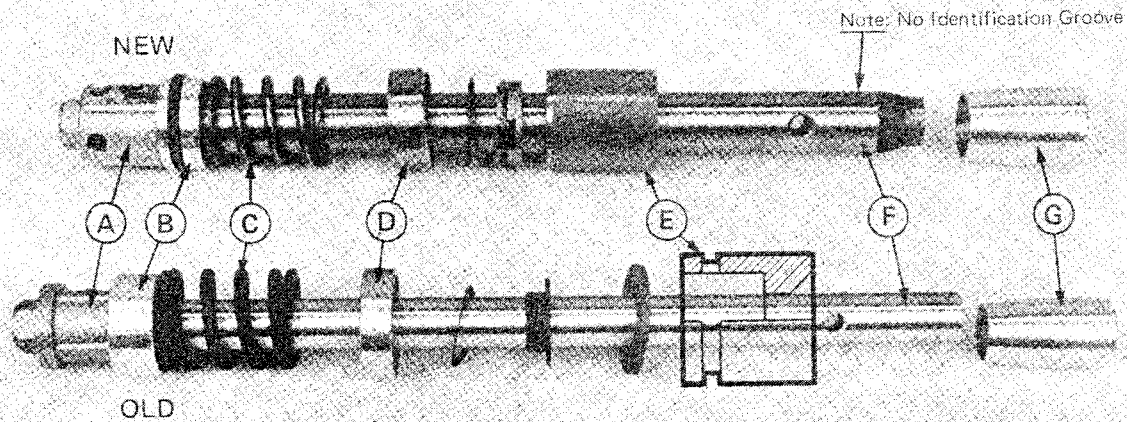
Please see reverse side for additional information.

H SERIES



	A DAMPER CAP	B PISTON	C REBOUND CUSHION SPRING	D VALVE	E FORK PISTON	F CYLINDER	G TAPERED CYLINDER BASE
NEW	CLOSED TOP	PHENOLIC PISTON RING	30mm LONG	STEEL	P/N 44018-009	STEEL 17mm DIA.	ALUMINUM 22mm DIA.
OLD	OPEN TOP	NO RING	33mm LONG	ALUMINUM	P/N 44018-003	ALUMINUM 13mm DIA.	ALUMINUM 18mm DIA.

Z SERIES



	A DAMPER CAP	B PISTON	C REBOUND CUSHION SPRING	D VALVE	E FORK PISTON	F CYLINDER	G TAPERED CYLINDER BASE
NEW	CLOSED TOP	PHENOLIC PISTON RING	30mm LONG	STEEL	P/N 44018-009	STEEL 17mm DIA.	ALUMINUM 22mm DIA.
OLD	OPEN TOP	NO RING	33mm LONG	ALUMINUM	P/N 44018-003	ALUMINUM 13mm DIA.	ALUMINUM 18mm DIA.

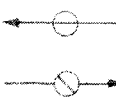
SPECIFICATION CHANGES

SPECIFICATION CHANGES	YEAR	Z1	H2	H1	S2, S3
Fork Oil Capacity (cc)	'73	169	160	170	150
	'74	172	175	170	145
Oil Level from top of tube (mm)	'73	418	403	417	347
	'74	422	379	385	345

NOTE: The Z1 fork spring should be installed with the closely wound end down in the '73 model and with it up in the '74 model.

PARTS INFORMATION

NOTE: Always install damper cylinder sets as matched pairs only. Never use one old style and one new style damper cylinder set together in the front forks.

DESCRIPTION	OLD PARTS ('73 MODEL)		INTER-CHANGE	NEW PARTS ('74 MODEL)		EFFECTIVE I.D.
	OLD P/N	REMARKS		OLD P/N	REMARKS	
Front Fork Assembly	44001-095 44001-090-21 44001-105 44001-097-21	Z1 H2A H1D S2A		44001-136 44001-124 44001-131 44001-144	Z1A H2B H1E S3	'74 Model Year
Damper Cylinder Assembly	44022-010 44022-007 44022-007 44022-011	Z1 H2A H1D S2A Does not include fork piston or circlip.		44022-028 44022-027 44022-027 44022-026	Z1A H2B H1E S3 Does not include fork piston or circlip.	'74 Model Year
Damper Cylinder Set				44023-007 44023-006 44023-006 44023-005	Z1A H2B H1E S3 Includes Fork Piston and Circlip.	For updating Pre-'74 Machines
Fork Piston	44018-003 44018-001	Z1, H2A, H1D S2A		44018-009	Z1A, H2B H1E, S3	'74 Model Year
Fork Circlip	44044-008	Z1, H2A, H1D, S2A		44044-019	Z1A, H2B, H1E, S3	'74 Model Year

⊖ = interchangeable ⊗ = not recommended X = not interchangeable □ = not available

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