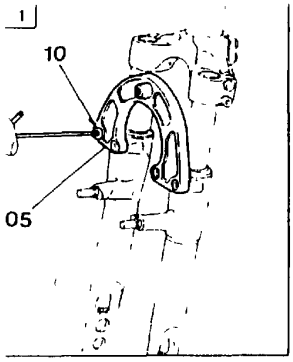
FAILURES, CAUSES AND REMEDIES

This paragraph reports some troubles that may occur when using the fork. It also indicates possible causes and suggests a remedy Always refer to this table before doing any repair work.

FAILURES	CAUSES	REMEDIES
Fluid escapes through the oil seal	1) Oil seal is worn out 2) Stanchion tube is scored 3) Exceeding dirt on oil seal	1) Replace oil seal 2) Replace oil seal and stanchion tube 3) Replace oil seal
Pressure leakage	1) Valve of inflating plug is loosened 2) Plug O-ring is damaged	1) Tighten plug or replace air valve 2) Replace O-ring and check that O-ring seat on the plug is in good conditions Replace plug body
Fork has not been used for some time and tends to lock out during initial travel	Oil seal and dust seal tend to stick to stanchion tube	Raise dust seal and lubricate oil seal and dust seal with oil
Damping is no longer as steady as in the beginning	Exhausted oil	Change oil
Fork bottom or top out too easily	1) Pressure is too low 2) Low oil level	1) Check pressure 2) Refill oil
Even at low pressure, fork is too progressive	Oil level is too high	Reduce oil level
Fork rebounds too fast	Dirt inside, valves do not close perfectly	Clean carefully and replace oil

RECOMMENDATIONS FOR MAINTENANCE

MARZOCCHI forks are based on advanced technology, supported by year-long experience in the field of professional mountain biking In order to achieve best results, we recommend to check and clean the area below the oil seal and the stanchion tube after each use and lubricate with silicone oil



10 (US) (UK)

DISASSEMBLY (see figures on the folded leaflet enclosed to this manual)

The reference numbers given in this section relate to the components shown in the fork exploded drawing on the folded leaflet enclosed to this manual

FIG. 1
Loosen the screws (10) which block the brake arch (305) to the sliders

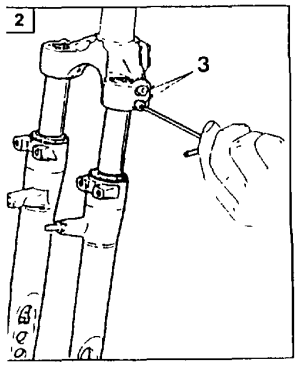


FIG. 2
Remove the fork legs from the crown by loosening the screws (3) on the locking clamps

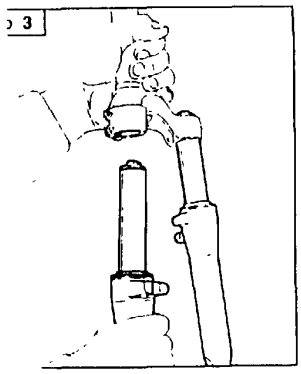


FIG. 3
Slide the top of the stanchion tubes out of the crown

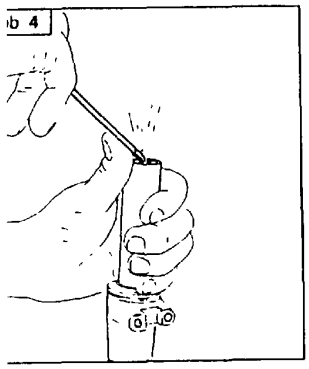


FIG. 4
Before carrying out any maintenance or replacement work, remove the protection caps (303) and release the air pressure in the fork legs through the valves

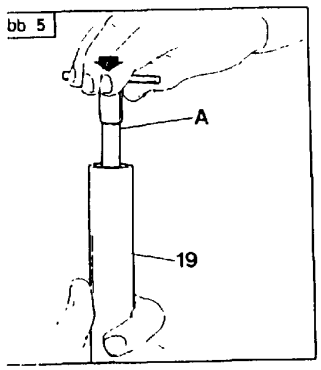


FIG. 5
Screw the special tool A (MARZOCCHI Item 104 - LARM Item 60 32) onto the plug threaded projection
Push the plug (17) into the stanchion tube (19) deep enough to be able to get at the stop ring Loosen and remove the tool.

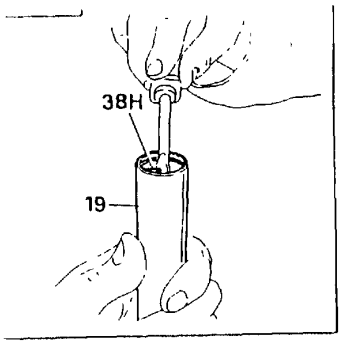


FIG. 6
Take out the upper stop ring (38H) by means of a screw driver.

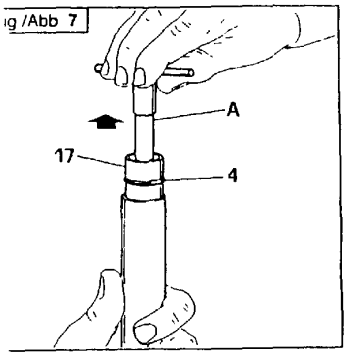


FIG. 7
Mount tool A (MARZOCCHI Item 104 - LARM Item 60.32) and pull out the plug (17) from the stanchion tube. Pull hard to overcome the resistance made by the OR oil seal (4)

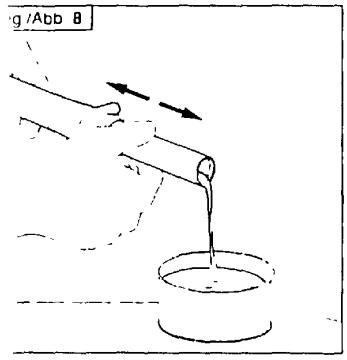


FIG.8
Drain the oil contained in the fork leg by pushing the slider up and down to let all the oil come out

WARNING: Do not waste the exhausted oil in the environment!

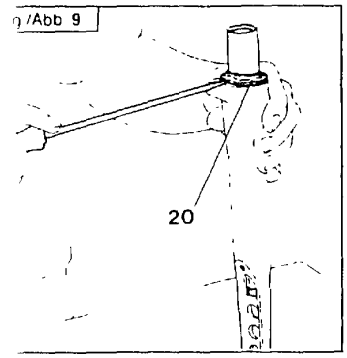


FIG. 9
Remove the dust seal (20) from the top of the slider by exerting an upward pressure with a screwdriver

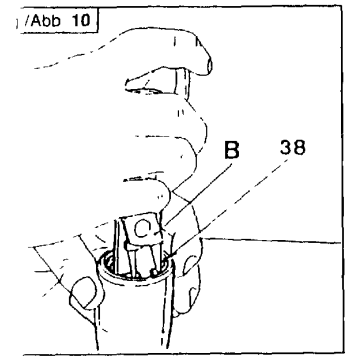


FIG. 10
By means of pointed pliers B (MARZOCCHI Item R 5043 - LARM Item 60 21) remove the lower stop ring (38).

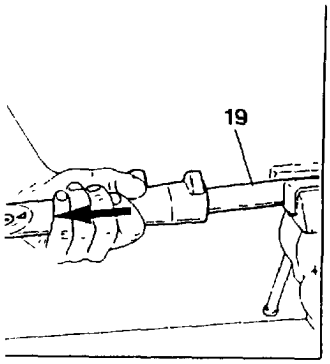


FIG. 11
Temporarily fit the plug (17) into the stanchion tube in order to block the tube in a vice with protective jaws without ovalizing it. Pull hard from the slider, with alternating motions, until stanchion tube comes out (19).

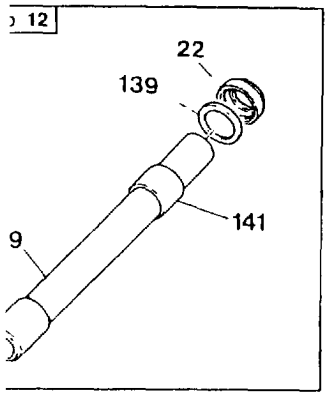


FIG. 12
Remove the oil seal (22), the lower retaining cup (139), the pilot support (141) complete with bushing from the stanchion tube Check the wear of the removed parts

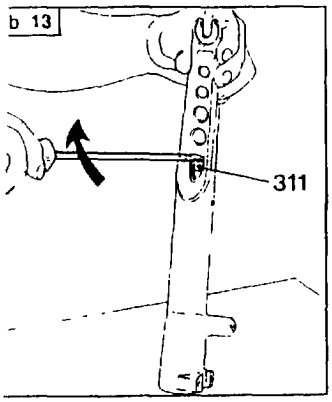


FIG. 13
Using a screw driver as a lever, push on the edge of the adjuster knob (311) to take out the foot valve set (301) from the slider To make this operation easier, hit the slider with a mallet a few times

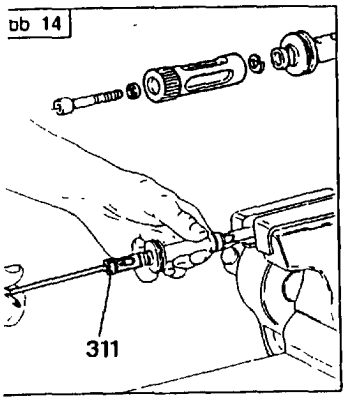
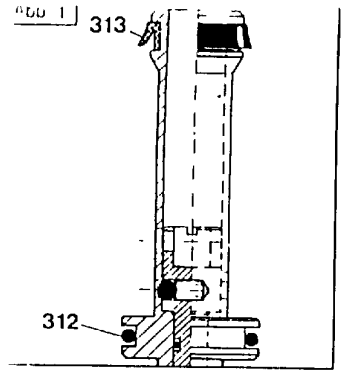


FIG. 14
The valve set consists of various components and should only be disassembled when necessary To remove the adjuster knob (311), stop the inner cylinder, which is integral with the knob, from spinning by means of a flat-head screw driver
Vice the screwdriver and unscrew the the fastening screw of the adjusting knob by means of a 3 mm Allen wrench. Remove the screw, the first spring washer, the knob and the second spring washer
The body of the foot valve has an O-ring (312) and a lip seal (313) that should be replaced after every overhaul.



REASSEMBLY (see figures on the folded leaflet enclosed to this manual)

IMPORTANT: before reassembling all components should be washed carefully and dried with compressed air. The foot valve should be cleaned with special care

FIG. 1
Fit a new O- ring (312) into the seat of the valve body Fit a new lip seal seal (313) from the opposite side. These seals should be duly greased Take special care when fitting the lip seal. the widest side must face the bottom of the valve body

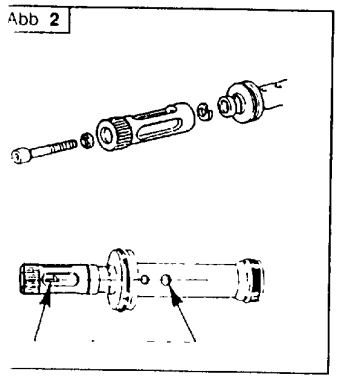


FIG. 2
Fit a spring washer on either side of the adjuster knob (311) and fit the fastening screw from the knurled side Insert the adjuster knob onto the cylinder and line up reference "1" with the open oil hole with larger diameter

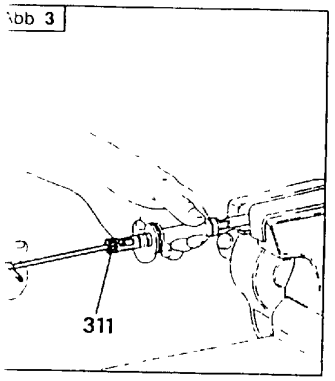


FIG. 3
Hold the inner cylinder with the same screw driver you used for disassembling and, at the same time, tighten the fastening screw of the adjuster knob

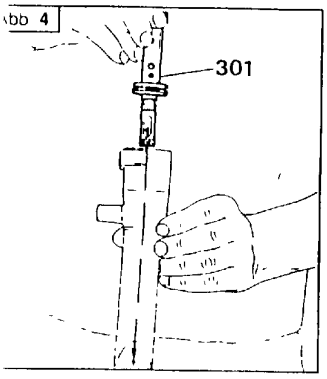


FIG. 4
Having the knob on "1" and lined up with the larger open hole, fit the foot valve set (301) into the slider until it reaches the bottom Line up its reference "1" with the harrow on the slider

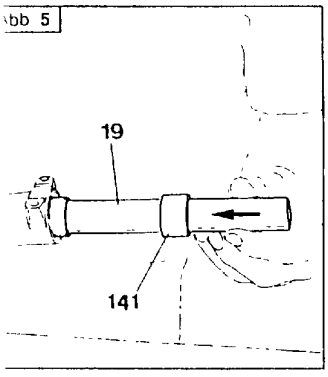


FIG. 5
Lubricate the pilot boss support (141) complete with bushing and mount them on the stanchion tube (19)
Fit this assembly into the slider up to the bottom

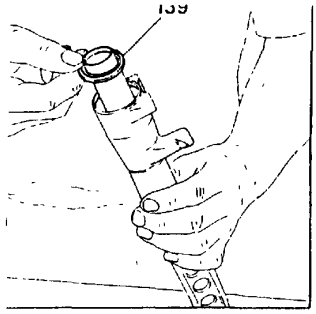


FIG. 6
Fit the lower retaining cup (139) into the stanchion tube with its rounded part facing outward

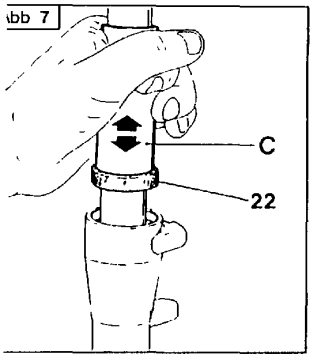


FIG. 7
Lubricate the oil seal (22) and slip it onto the proper buffer C (MARZOCCHI Item R 5047 - LARM Item 60 34) Hit the buffer to fit the retaining ring into the slider

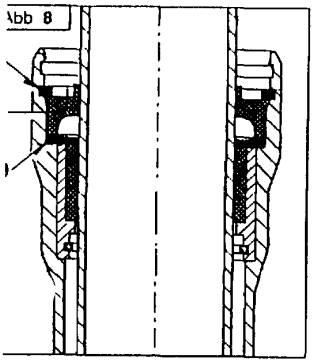


FIG. 8
Fit the stop ring (38) into the proper retaining groove in the slider and for its proper fitting by pushing it in different directions

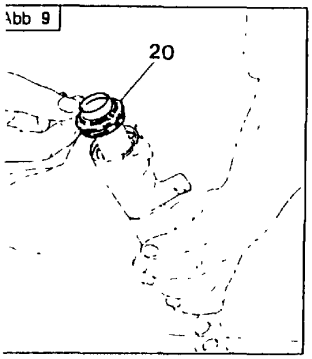


FIG. 9
Lubricate the dust seal (20) and carefully fit it into the stanchion tube

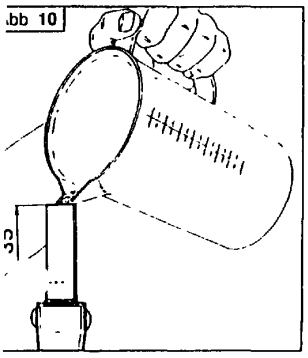


FIG. 10
Pour "MARZOCCHI oil Item 52 51" into the stanchion tube Pump several times up and down so that the oil fills the whole inner volume Make sure that the stanchion tube is at the slider bottom and check that the oil is 35 mm from the top

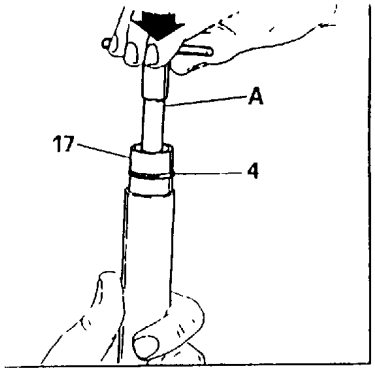


FIG. 11
Tighten tool A (MARZOCCHI Item 104 - LARM Item 60 32) on the plug threaded projection. Grease the O-ring (4) and fit the plug (17) inside the stanchion tube. Push it beyond the seat of the stop ring

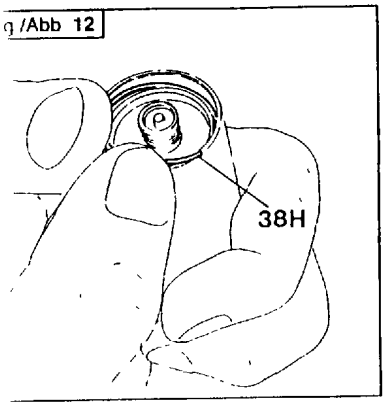


FIG. 12
Mount the upper stop ring (38H) and inflate (standard air pressure. 3 5 Bar / 51 psi) Fit the protection plug (303) and proceed with the assembly following the instrucions of chapter "INSTALLATION"