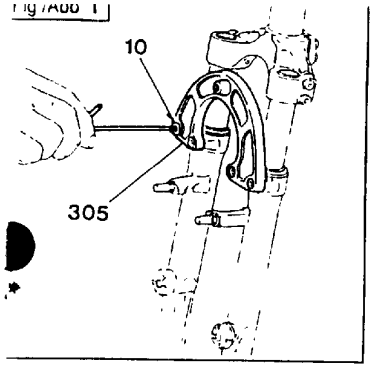


DISASSEMBLY (see figures on the folded leaflet enclosed to this manual)

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

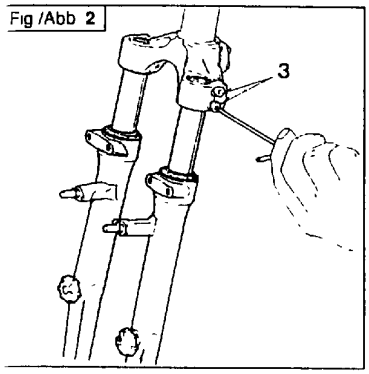


FIG. 2
Remove the fork legs from the crown by loosening the screws (3) on the locking clamps

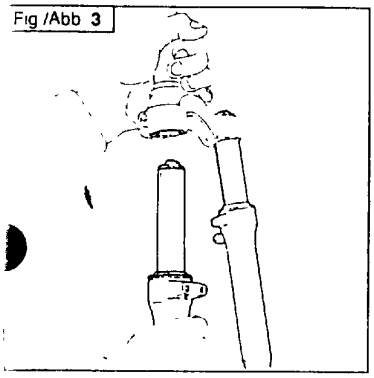


FIG. 3
Slide the top of the stanchion tubes out of the crown

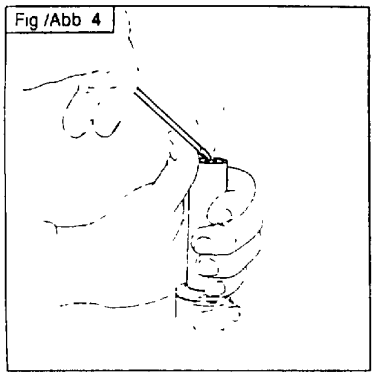


FIG. 4
Before carrying out any maintenance or replacement work, remove the protection caps (303) and release the air pressure in the fork legs through the valves

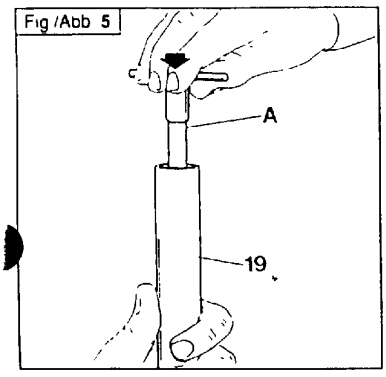


FIG. 5
Screw the special tool A (MARZOCCHI Item 104 - LARM Item 60.32) onto the plug threaded projection.
Push the plug (17) into the stanchion tube (19) deep enough to be able to get at the stop ring. Loosen and remove the tool.

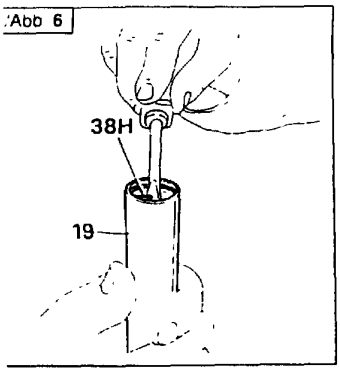


FIG. 6
Take out the upper stop ring (38H) by means of a screw driver

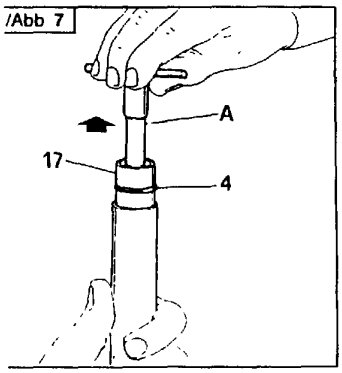


FIG. 7
Mount tool A (MARZOCCHI Item 104 - LARM Item 60.32) and pull out the plug (17) from the stanchion tube. Pull hard to overcome the resistance made by the OR oil seal (4)

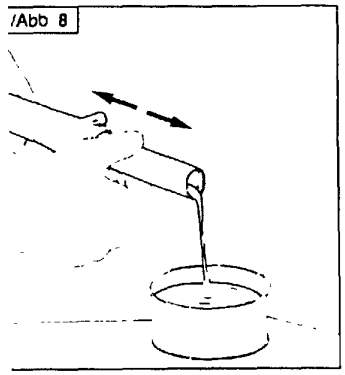


FIG.8
Drain the oil contained in the fork leg by pushing the slider up and down to let all the oil come out.

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

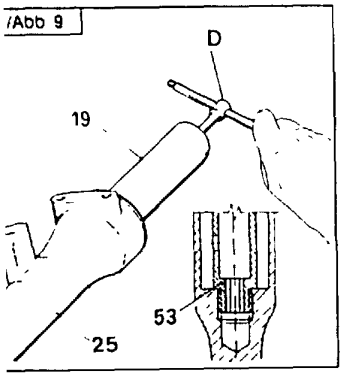


FIG. 9
Fix the lower part of the slider (24-25) into a vice with aluminium blocks and protect the surface with a cloth. Unscrew the inner rod (53) by means of a special wrench D (MARZOCCHI Item R 5024 - LARM Item 60.27).

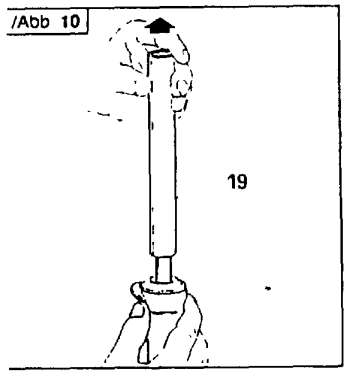


FIG. 10
Remove the complete stanchion tube (19) from the inside of the slider.

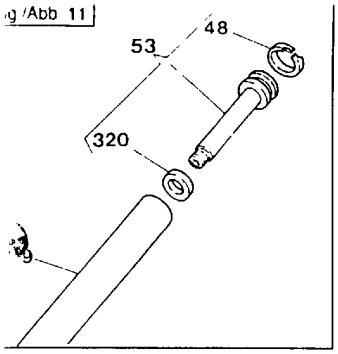


FIG. 11
Pull the inner rod (53) out of the stanchion tube (19) and check the conditions of both the stop seal (48) and the stop ring (320) Replace these parts if worn out.

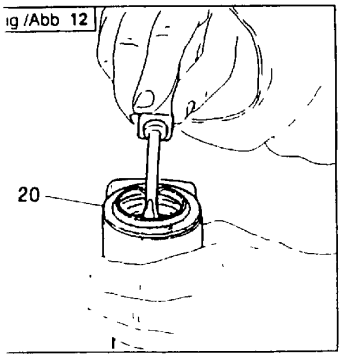


FIG. 12
Remove the dust seal (20) from the top of the slider by exerting an upward pressure with a screwdriver.

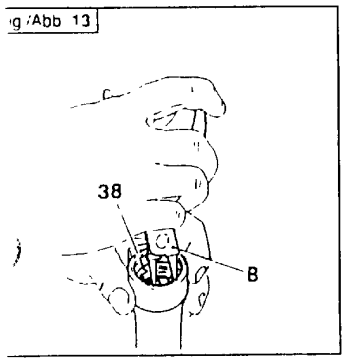


FIG. 13
Remove the stop ring (38) from the inside of the slider with a pair of pointed pliers B (MARZOCCHI Item R 5043 - LARM Item 60 21)

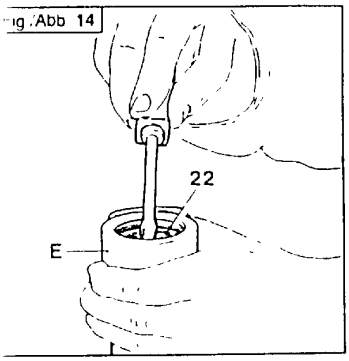


FIG. 14
Remove the oil seal (22) by means of a screwdriver.
Protect the external edge of the slider with the special ring E (MARZOCCHI Item R 5048 - LARM Item 60.38) while carrying out this operation

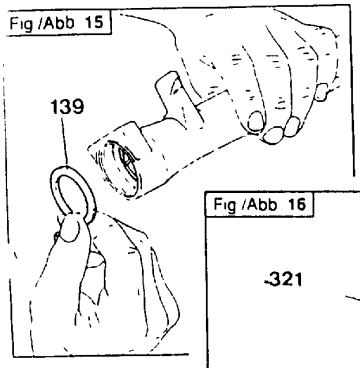


FIG. 15
Withdraw the lower cup (139) and the pilot bushing (56) from the slider (24-25) and check for their wear

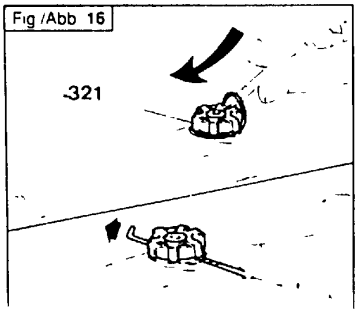
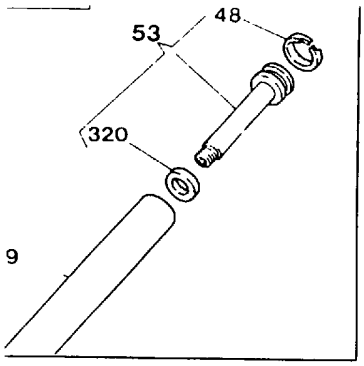


FIG. 16
The adjuster assy should not be taken off unless there are oil leaks through the O-ring In this case, contact the nearest MARZOCCHI Technical Service Centre The adjuster knob (321) is fastened to the body valve by means of an outer screw. Do not unscrew this screw, otherwise the valve seat would damage since it was fitted using some "Loctite" Before removing the valve assy (181) remove the outer O-ring by means of a small screwdriver and then push the valve clamp outwards by means of a 1-mm bit Withdraw the complete valve assy from the slider



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 the stop seal (48) and the stop ring (320) onto the inner rod (53) after lubricating them Fit the inner rod complete with rings into the stanchion tube

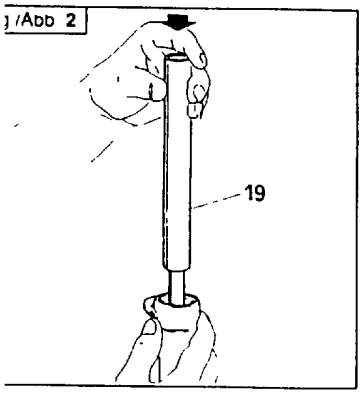


FIG. 2
Carefully fit the stanchion tube into the slider and push it down to the bottom.

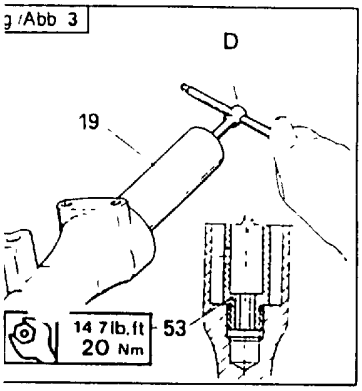


FIG. 3
Fix the lower part of the slider (24-25) into a vice with aluminium blocks and protect the surface with a cloth Tighten the inner rod (53) on the slider by means of the special wrench D (MARZOCCHI Item R 5024 - LARM Item 60 27) at 20 Nm (14.7 lb ft)

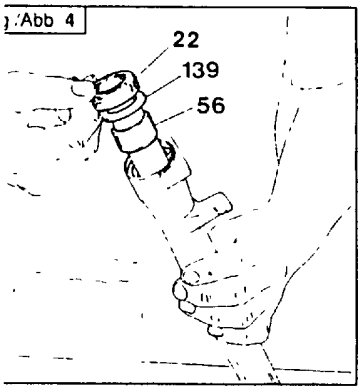


FIG. 4
After lubricantig the pilot bushing (56), the lower cup (139) and the seal ring (22), fit them into the stanchion tube (19) Push them to the slider and fit the bush into its seat

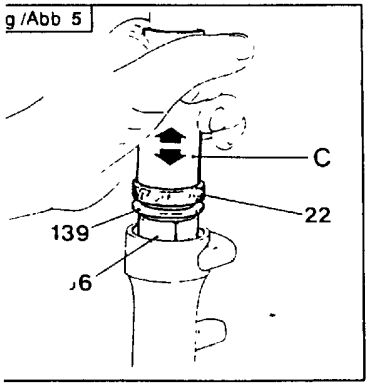


FIG. 5
By means of the special pushing tool C (MARZOCCHI Item R 5047 - Art LARM 60 34) push the above parts into the slider

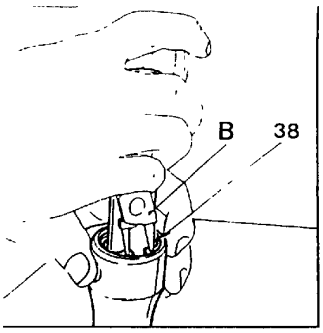


FIG. 6
Fit stop ring (38) into the proper groove in the slider and check for its proper fitting by pushing it in different directions

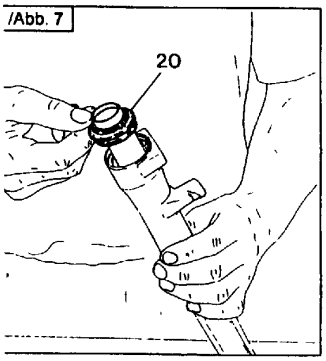


FIG. 7
Lubricate the dust seal (20) and fit it carefully into the stanchion tube.

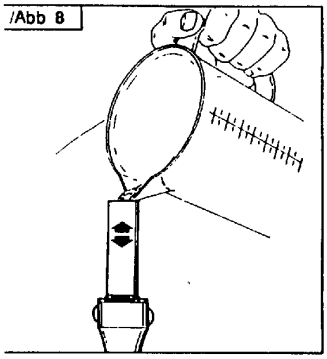


FIG. 8
Pour "MARZOCCHI oil Item 52 51" into the stanchion tube Pump several times up and down so that the oil can fill the whole inner volume

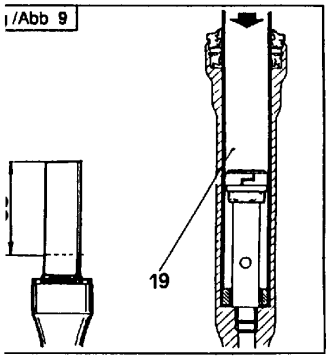


FIG. 9
Make sure that the stanchion tube touches the slider bottom and check that the oil level is 35 mm from the top

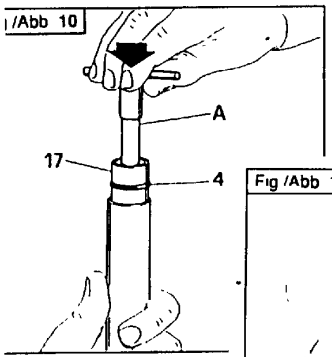


FIG. 10
Tighten tool A (MARZOCCHI Item 104 - LARM Item 60 32) on the threaded plug projection (17).
Grease the O-ring (4) and refit the plug (17) inside the stanchion tube Push it beyond the seat of the stop ring

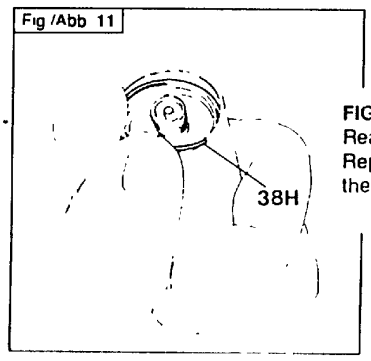


FIG. 11
Reassemble the upper stop ring (38H) and inflate (standard air pressure 3 5 Bar / 51 psi)
Reposition the protection plug (303) and proceed with the assembly of the fork legs onto the steering crown following the instructions of chapter "INSTALLATION"

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	1) Piston ring on the inner rod is damaged 2) Exhausted fluid	1) Replace piston ring Make sure that seat on the inner rod is in good condition 2) Replace fluid
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