



2002 BUSHING SERVICE GUIDE

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For exploded diagram and part number information, refer to the 2002 Spare Parts Catalog, P/N 950-006157-00. Contact your local distributor or visit the RockShox website at www.rockshox.com for ordering information.

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BUSHING SET-UP AND CONFIGURATIONS



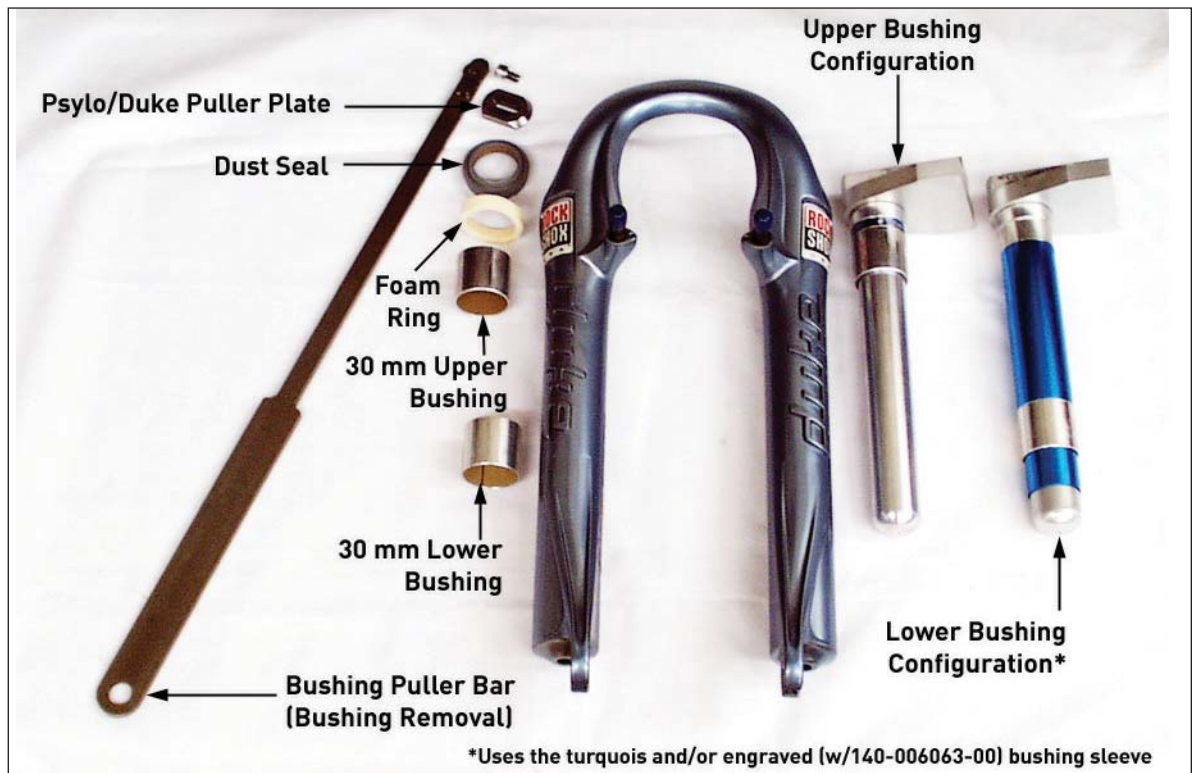
Bushing Tools Overview



Judy/SID Short Lower Leg Bushing Tools and Configuration



Judy/SID Tall Lower Leg Bushing Tools and Configuration



Duke Lower Leg Bushing Tools and Configuration



2002 Psylo Lower Leg Bushing Tools and Configuration



01 Psylo Revive Kit (PN 110-005593-00)

2001 Psylo Lower Leg Bushing Tools and Configuration

DIAGNOSIS FOR WORN BUSHINGS

To diagnose loose or worn bushings do the following:

1. Ensure the headset is adjusted properly.
2. Gently rock bike back and forth holding the front brake and feel for a noticeable click or knock.

NOTE: SLIGHT FORK COMPRESSION MAY FEEL LIKE BUSHING PLAY.

To ensure long bushing life and prevent premature wear, remove the lowers, and then clean and lubricate the inside of the lower legs and seals. We recommend doing this every 50 hours of riding or less depending on disc brake use, riding style, rider weight and riding/weather conditions.

TOOLS AND PARTS NEEDED

- Safety glasses
- Rubber gloves
- Apron
- Rags
- Alcohol or spray degreaser
- Rubber mallet/Plastic hammer
- 10mm deep socket
- 5 mm Allen wrench
- Ratchet
- Large round-edged flat blade screwdriver
- Universal bushing removal tool (110-006351-00)
- Fork Bushing Installation Plates (110-006352-00)
- 01-02 Psylo/Duke Installation Sleeves (110-006354-00)
- 00-02 Judy/SID Installation Sleeves (140-002860-00)
- Revive or Bushing Kit (see Spare Parts Catalog)
- Bench vise
- Oil pan
- RockShox oil (5, 10 and/or 15 wt.)
- Green Loctite



PREPARATION

1. Using the appropriate **RockShox Service Guide**, remove the lower tube assembly according to the instructions (all service guides are available at www.rockshox.com).
2. With a large, round-edged screwdriver, gently but firmly lift the oil seal, foam ring and dust seal out of the top of the lower leg (fig 1).
3. Clamp the Universal Bushing Removal tool in a bench vise (fig. 2).



BUSHING REMOVAL

4. Remove the upper bushing by sliding the lower tube onto the bushing tool. Ensure the tool makes it just past the upper bushing. Pull up and out on the lower tube so that the extractor plate locks against the back of the upper bushing (fig. 3).

5. Strike the top of the lower tube with a rubber mallet to remove the upper bushing (fig. 3).

TIP: IF THE BUSHING SHOWS NO SIGNS OF MOVING, REPOSITION THE EXTRACTOR PLATES AGAINST THE BACK OF THE UPPER BUSHING AND STRIKE THE TOP OF THE LOWER TUBE AGAIN.

6. Repeat steps 4 and 5 on lower bushing and opposite leg.



CLEANING THE LOWER LEG

7. Dampen a clean rag with isopropyl alcohol or degreaser.
8. Using the clean rag and a long 5mm allen wrench, long socket extension or wooden dowel, wipe the insides of the lower leg until clean. Spray isopropyl alcohol or degreaser if lower leg is contaminated.

BUSHING INSTALLATION

9. Clamp the bushing installer (base plate and post) firmly in the soft-jaw vise (fig. 3).
10. Slide the appropriate color-coded bushing sleeve onto the post (**see pages 2 to 4 for bushing tools and configurations for your fork**). If necessary, slide the appropriate adapter onto the sleeve.
11. Slide a new lower bushing (provided in the revive or bushing kit) on to the post and on top of the sleeve.

TIP: IF YOU ARE UNSURE IF YOU ARE HOLDING LOWER BUSHING, SLIDE IT INTO THE CASTING BY HAND. IF IT FITS, IT'S A LOWER BUSHING, IF IT DOESN'T, IT'S AN UPPER BUSHING.

12. Apply a small amount of green Loctite around the outside of the lower bushing.
13. Slide the lower leg over the bushing installer post, with bushing in place on the post, and sleeve until it stops.
14. Insert the drift tool into the bottom of the lower leg shaft bolt hole. Using a rubber mallet, gently but firmly tap the drift tool to seat the lower bushing. The lower leg should bottom flush against the base of the bushing installer or adapter (for 01 Psylo).

NOTE 1: TAKE CARE TO ENSURE THE BRAKE ARCH CLEARS THE SHARP EDGE OF THE BASE PLATE!

15. Repeat steps 11 through 14 for the other leg.
16. Remove the lower bushing sleeve and/or adapter from the bushing installer post.
17. Slide the upper bushing sleeve and, if required, the appropriate upper bushing adapter onto the post.
18. Slide the upper bushing onto the post/sleeve.
19. Apply a small amount of green Loctite around the outside of the upper bushing.
20. Slide the lower tube over the bushing installer post and sleeve until it stops.
21. Insert the drift tool into the bottom of the lower leg shaft bolt hole. Using a rubber mallet, gently but firmly tap the drift tool to seat the upper bushing (fig 4). The lower should bottom flush against the base of the bushing installer tool.



SEAL INSTALLATION

22. Soak the two foam rings in RedRum or 15 wt. shock oil (fig. 5).
23. Clean any debris from installing the bushings.
24. Apply a light coating of RedRum in the “step” of the lower.
25. Place the soaked foam ring on the bottom of the dust seal. Using the palm of your hand, press the seal squarely and as far as you can into the casting.
26. Using the seal installer tool, press the seal into the casting until it is flush (fig. 6).

INSTALLING THE LOWER LEGS

27. Using the appropriate **RockShox Service Guide**, remove the lower tube assembly according to the instructions (all service guides are available at www.rockshox.com).





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FAX: 61 3 9587 2018
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Barisitz-Austria
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FAX: 43 0 5223 46444-14
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Gewerbepark 12

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FAX: 31 23 57 18606
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FAX: 65 466 7610
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FAX: 3592 943 3445
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FAX: 359 2 981 8852
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SAO PAULO SO
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FAX: 800 461 1685
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FAX: 506 289 7013
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FAX: 385 1 234 34 22
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10000 ZAGREB

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Vanek Praha
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FAX: 42 0 312 698 025
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FAX: 45 86 36 7377
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EE0004, Estonia

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Hallman Sports Oy
Puutarhakatu 19 A
FIN-20100 Turku
FINLAND
Tel +358-20-155 0800
Fax +358-20-155 0801

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Fax: 33 325 40 69 50
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FAX: 49 44 05 9280 49
INDUSTRIESTRASSE 41 B, EDEWECHT, 26188

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Gatsoulis Stefanos Imports
Phone: 30 12512 779
FAX: 30 12533 960
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FAX: 30 61-993045
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PATRAS 265 00

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Bike Center
Phone: 502 366 7709
FAX: 502 363 3918
18 CALLE 7-48, ZONA 10, GUATEMALA

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Vertex Cycle Systems BV
Phone: 31 23 57 18184
FAX: 31 23 57 18606
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FAX: 852 23974406
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FAX: 361 331 3184
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Iceland

Orminn Hjol Ltd
Phone: 354 588 9892
FAX: 354 588 9896
SKEIFAN 11, P.O. BOX 8036, REYKJAVIK

Indoenisa

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Phone: 82 2 474 0818
Fax: 82 2 474 0656
3F 379-20 SUNGNAE-DONG, KANGDONG-KU, SEOUL,
134-030

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Veloserviss
Phone: 371 750 1292
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FAX: 64 9 63 6 06 31
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FAX: 65 466 7610
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FAX: 42 1 862 5492 350
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FAX: 46 18 50 03 22
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FAX: 886 22 694 6133
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Phone: 662 254 1077
FAX: 662 254 1078
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Fax: 44 20 8385 3443
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