



Eaton Filtration

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Illustrations of Typical Model 53BTX Cartridge Replacement

June 24, 2004

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Refer to the Instruction, Operation and Maintenance Manual for complete information and safety precautions. A copy can be downloaded from the web site Library or requested from Customer Service.



Photo 1: Seat and seal kits come with, from left to right, ball, seat and seal re-strainer ties, seal insertion tool and cartridge insertion / extraction tool.



Photo 2: Unscrewing the hex head screws allows the cartridge to be removed. The red cap protects the threaded connection used by the insertion / extraction tool.



Photo 3: A wrench is used to turn the insertion / extraction tool, lifting the cartridge out of the strainer body.

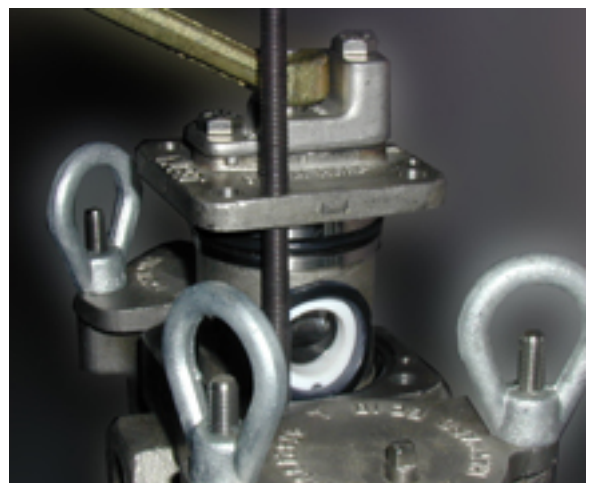


Photo 4: The white seats and black seals are visible as the cartridge comes up, out of the strainer body.



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Photo 5: The first restraining tie is put into place to hold the ball, seats and seals in place before clearing the strainer body.



Photo 6: Once the cartridge is removed the balls, seats and seals can be inspected and replaced as necessary. The restraining ties are put back in place prior the cartridge being reinstalled back into the strainer body.



Photo 7: When the ball, seats and seals enter the strainer body the restrainer ties are cut.



Photo 8: The seal insertion tool is used to push the seals past the body ports on both sides of the strainer as the cartridge is reinstalled.



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Photo 9: The cartridge insertion / extraction tool is used to finish installing the cartridge into the strainer body.

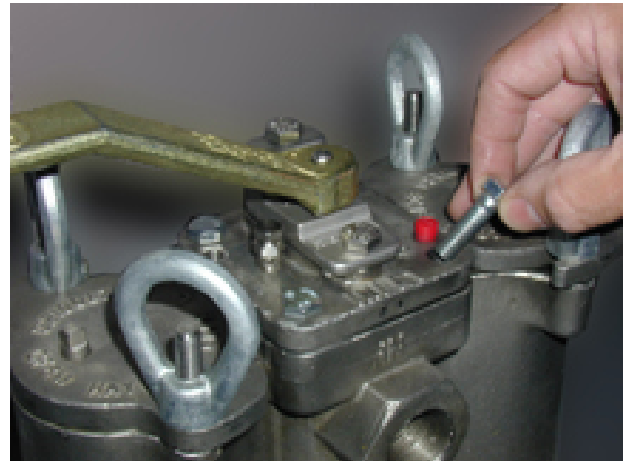


Photo 10: The cartridge insertion / extraction tool is removed and the red thread protector and hex head screws are reinstalled.



Photo 11: Tightening down the cartridge hex head screws completes the installation of the cartridge back into the strainer body.