

## Hydraulic Clutch Hose Installation



FIG 1



FIG 2



FIG 3



FIG 4



FIG 5



FIG 6

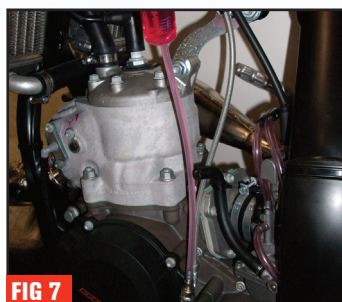


FIG 7



FIG 8

**1** Remove the seat and gas tank.

**2** Using a 13mm wrench, remove the banjo bolt that secures the clutch hose to the slave cylinder (engine side). (Figure 1)

**3** Slide back the rubber dust cover and use an 11mm wrench to remove the clutch hose fitting from the master cylinder (handlebar side). (Figure 2)

**4** Note the way the stock hose is routed, and then remove the stock clutch hose.

**5** Route the new hose in the same manner as the stock hose. Both of the fittings on the EE clutch hose are the same. There is no top or bottom. Either way will work.

**6** Use the supplied banjo bolt along with 2 supplied copper washers (1 on each side of the fitting) (Figure 3) to connect the clutch hose to the master cylinder (handlebar side). Use a 14mm wrench to tighten the fitting. Be sure to position the bend of the hose against the handlebar to protect the hose from loosening and/or breakage if it gets hit. (Figure 4)

**7** Part # 15-070 only: Use the stock banjo bolt with the 2 stock copper washers (1 on each side of the fitting) to connect the clutch hose to the slave cylinder. Use a 13mm wrench to tighten the fitting.

**8** Part #15-072 only: Use the stock banjo bolt with the stock copper washers and the 2 supplied copper washers (2 on each side of the fitting) to connect the clutch hose to the slave cylinder. Use a 13mm wrench to tighten the fitting.

**9** Position the clutch master cylinder on the handlebar so that the reservoir is level.

**10** Use a Phillips head screw driver to remove the reservoir cap from the clutch master cylinder. Fill the reservoir with the correct fluid. Brembo systems require DOT 4 or 5.1 brake

fluid only. Magura systems need mineral oil or automatic transmission fluid. Consult your KTM owner's manual to be sure.

**WARNING: USING THE WRONG TYPE OF FLUID IN THE CLUTCH SYSTEM WILL CAUSE SEVERE DAMAGE TO THE MASTER CYLINDER AND THE SLAVE CYLINDER.**

**11** To bleed the system using EE bleeder kit 23-010 or equivalent: Position the clutch master cylinder so that the fluid reservoir is level on the handlebar. Remove the reservoir cover from the clutch master cylinder. Remove the stock 8mm bleeder fitting from the banjo fitting or from the clutch slave cylinder. Insert and tighten the supplied adaptor fitting from the bleeder kit in place of the bleeder fitting (Figure 5). Fill one of the supplied syringes half full of the correct hydraulic or brake fluid for your clutch system. Push the supplied clear hose onto the syringe. Hold the syringe upside down and push fluid all the way up through the clear hose to force all the air out of the hose. Force the open end of the clear hose over the adaptor fitting. (Figure 6) Slowly push the syringe plunger down (Figure 7) while watching the fluid level in the master cylinder. Use the other supplied syringe to suck excess fluid out of the master cylinder as needed. You want to push fluid up through the clutch hose and into the master cylinder until the air bubbles stop coming up in the reservoir. Once the air bubbles have stopped, remove the syringe and the clear hose from the supplied adaptor fitting. Remove the supplied adaptor fitting and re-install and tighten the stock bleeder fitting.

**12** To gravity bleed the system: Pump your clutch lever several times, then while holding your clutch lever in, loosen the banjo fitting on the slave cylinder to let air escape, and then snug the fitting up before you release the clutch lever. Do this repeatedly until pressure returns to the clutch. Refill the reservoir with the correct fluid as needed. Once most of the air is out, connect a small piece of tubing to the bleeder. Now pump your clutch lever a few times and hold it in while

you loosen just the 8mm bleeder. You should see the remaining air (bubbles) escape in the tubing. Tighten the bleeder and then release the clutch lever. Repeat until you have consistent pressure when the clutch lever is pulled.

**13** Fill the clutch reservoir to the proper level (consult your owner's manual) with the correct fluid. Replace the clutch reservoir cover. Make sure the open side of the rubber seal (Figure 8) is covering the hole. (Figure 9)

**14** Re-install the gas tank and seat.



FIG 9

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## INSTRUCTIONS

### Hydraulic Clutch Hose Part# 15-070 • 15-072