



## ELITE THROTTLE TUBE INSTRUCTIONS

Remove existing throttle housing and throttle tube. Cut a 1/2" off of the right-hand (throttle) side of the handlebar. Deburr cut end of handlebar. Clean exterior of the handlebar where the housing/throttle tube mate with the handlebar. Also, clean 1" deep on the inside of the handlebar.

*NOTE-Lubricating the outside of the handlebar is not required and doing so would only serve to attract dirt.*

Select the throttle cam for your Year/Make/Model. With the "Grip Side" of the cam facing the bearing end of throttle tube, snap the cam securely into place on the hex of the throttle tube.

Apply a small film of light oil (WD-40, etc.) to the first 1" inside of the handlebar. This will serve to lube the O-rings on the insert and ease the effort required to push the throttle tube assembly onto the handlebar.

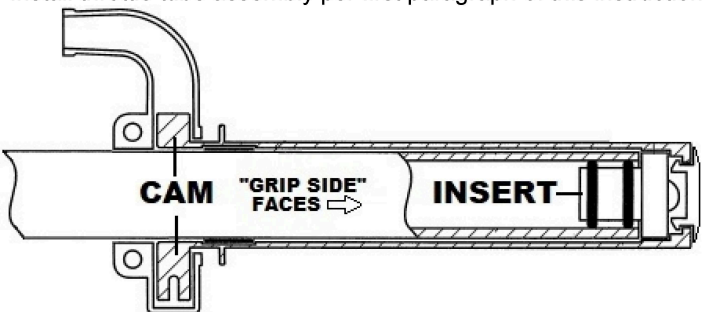
Push the throttle tube assembly onto the handlebar until it stops. ***If the throttle tube assembly can be pulled off the bars with little or no resistance you will need to use the large O-Rings on the insert.*** See last paragraph of this instruction page.

Reassemble the throttle housing onto the handlebar. Before tightening the housing bolts move the housing from left to right and center it on the throttle cam. Once centered, tighten the housing bolts to the manufacturers specification. Check to confirm throttle tube assembly rotates smoothly with no sticking/dragging/binding.

### ▲ CAUTION-Inspect for proper operation before every ride and in the event of a crash or impact.

For large inside diameter bars like Renthal Twinwall®, etc.: Before installing the throttle tube assembly you will need to remove the standard O-rings on the insert and replace them with the large O-rings supplied in the kit. Follow these steps:

Use a small flat blade screwdriver to remove the plastic end cap on the end of the throttle tube. Remove insert from throttle tube by using a 3mm Allen wrench for the (exterior) button head Allen bolt and a 6mm Allen wrench for the insert located inside the bore of the throttle tube. When you have the insert in hand, remove the standard O-rings and install the large O-rings onto the insert. Use blue Lock-tite #242 or equivalent on threads of the button head Allen bolt and install insert back into throttle tube. Install and torque Allen bolt to 6 ft./lbs. Snap end cap back into the throttle tube. Install throttle tube assembly per first paragraph of this instruction page.



## ELITE THROTTLE TUBE APPLICATIONS



3/16/2023

CAM LETTER

GAS GAS- '21-'23 MC 250F, '22-'23 MC 350F, '21-'23 MC 450F	
'23 MC 250F Factory Edition	Use Stock Cam
HONDA- '07-'23 CRF150R	A
'04-'23 CRF250R, '04-'17 CRF250X, '19-'23 CRF250RX, '19-'20 CRF450L, '21-'23 CRF450RL, '02-'23 CRF450R, '19-'23 CRF450RWE, '23 CRF450R-S, '05-'17-'19-'23 CRF450X, '17-'23 CRF450RX	B
HUSQVARNA- '14-'15 FC250 / FE250 / FC350 / FE350 / FC450 / FE501 / FE501S	C
'16 FE250 / FE350 / FE350S / FE450 / FE501 / FE501S	
'23 FC250, '23 FC350, '23 FC450, '22 FC250 Rockstar Ed., '22 FC450 Rockstar Ed.	Use Stock Cam
'19 - Current "85-300 Two Stroke Models" / '21 - Current TC65	
'16-'22 FC250, '17-'22 FE250, '16-'22 FC350, '17-'23 FE350, '20-'22 FE350S, '17-'23 FX350, '16-'23 FC450, '18-'21 FC450 Rockstar Ed., '17-'21-'23 FE450, '17-'18 FS450, '17-'23 FX450, '17-'23 FE501, '20-'23 FE501S	F
KAWASAKI- '04-'18 KX250F, '19-'23 KX250, '22-'23 KX250XC, '06-'18 KX450F, '19-'23 KX450, '22-'23 KX450SR, '21-'23 KX450XC, '08-'09 KLX450R	D
KTM- '13-'15 250SX-F, '13-'15 250XC-F, '13-'16 250XC-F, '13-'16 350EXC-F, '13-'15 350SX-F, '14-'15 350XC-F, '13-'16 350XC-F, '13-'15 450SX-F, '12-'14 450SX-F Fact. Ed., '13-'15 450XC-F, '13-'16 450XC-W, '13-'16 500EXC, '13-'16 500XC-W	C
'22 250 SX-F, '23 350 SX-F, '23 450 SX-F, '22 250SX-F Fact. Ed., '22 450 SX-F Fact. Ed.	Use Stock Cam
'22 - Current 65SX, '18 - Current 85SX, '18-'23 125X, '18-'23 125XC, '18-'23 150XC-W, '18-'23 250SX, '18-'23 250XC	
'18-'23 250XC-W, '18-'23 300SX, '18-'23 300XC, '18-'23 300XC-W	
'17-'22 250EXC-F, '16-'22 250SX-F, '16-'17 250SX-F Fact. Ed., '16-'23 250XC-F, '17-'23 350EXC-F, '16-'22 350SX-F, '22 350SX-F Fact. Ed., '16-'23 350XC-F, '20-'22 350XC-F-W, '16-'22 450SX-F, '15-'21 450SX-F Fact. Ed., '16-'23 450XC-F, '17-'18 450XC-W, '17-'23 500EXC-F, '20-'22 500XC-F-W	F
SUZUKI- '04-'06 RMZ250, '05-'23 RMZ450, '10 RMX450Z	D
'07-'23 RMZ250	E
YAMAHA- '01-'13 YZ250F, '01-'14 WR250F, '08-'20 WR250R, '08-'12 WR250X	D
'98-'13 YZ400F / 426F / 450F, '98-'15 WR400F / 426F / 450F, '16-'17 YZ450F	
'14-'23 YZ250F, '15-'23 YZ250FX, '15-'22 WR250F, '16-'22 WR450F, '14-'15 YZ450F, '18-'23 YZ450F, '16-'23 YZ450FX	E