



# V2 LOCK-ON GRIP SYSTEM

## INSTALLATION INSTRUCTIONS

**THROTTLE SIDE:** Use the Application Chart on the reverse to select the appropriate throttle cam. Snap-Cam into position on to the throttle grip. There is an audible “click” when the cam is fully snapped into place.

**NOTE:** *Some grip patterns require that you clock the cam before installation to achieve desired grip position.*

- Unscrew bolts to open the throttle housing as if you are replacing your throttle tube.
- Insert throttle cable(s) into cam on the new grip making sure that the cables are seated correctly in the cam and are not being pinched.
- Reinstall throttle housing cover. *Some models may require throttle cable adjustment.*

**CLUTCH SIDE:** Remove old grips and clean handlebars thoroughly. Slide the ODI clutch grip onto bar. The grip should slide easily onto the bars until the final inch of the grip where it will become progressively tighter to on the handlebar. **NOTE:** *Some Handlebars have very aggressive knurling, follow instruction below.*

- The grip should be installed completely onto the bar, so the end of the grip is touching the handlebar.
- Once in place, tighten the Allen bolt using a 3mm Allen key (40-45 In-lbs / 4.5-5 Nm) to secure the grip.

**NOTE:** *The Allen bolt and ODI clamp should be checked periodically and replaced if ever found damaged.*

### \*\*\*AFTERMARKET HANDLEBAR W/CLUTCH SIDE AGGRESSIVE KNURLING PATTERNS\*\*\*

Some aftermarket handlebars have very aggressive knurling pattern on the clutch side grip area which can make your ODI Lock-On Grips very difficult to install. This extra aggressive knurling helps improve grip adhesion on standard grips. However, with ODI Lock-On Grips, the extra knurling is not necessary. With the ODI Lock-On Grips, you have absolute adhesion from ODI's patented Lock-On Grip System for 100% Slip-Free Performance, Guaranteed. ODI's simple Lock Ring and 3mm Allen-head bolt provide ease of installation and removal.

**To install ODI's Lock-On Grips onto these types of handlebars, you must slightly modify the surface of the Aftermarket Handlebars' knurling to bring them down to the 7/8" Outside Diameter. Once these few simple steps are completed, your ODI Lock-On grips will slide over the handlebar surface without interference. We recommend a light filing and then sanding with medium grit wet/dry sandpaper, as follows:**

- 1) Use Masking tape to mask off the handlebar just past the knurling on the clutch side of the handlebar. This will keep your handlebars finish looking fresh.
- 2) Take a metal file, using even strokes, diagonally file along the knurling area to gently knock down the knurls and create a smoother, slightly smaller outside diameter.
- 3) Complete this task all the way around the handlebar to conform to an even smoothed out knurled pattern and softer finish.
- 4) Once you have filed the knurls down, all the way around, you'll want to gently test fit the grip onto the bar. DO NOT use force. Once you can securely slide the grip over the knocked down knurls, you will want to remove the grip to sand and finish.
- 5) Use a medium grit, wet/dry sandpaper to de-burr the surface and create a smooth transition for your new ODI Lock-On Grips to slide onto.
- 6) Remove masking tape, install your grips and go ride!

**NOTE:** *Recommended torque specs for your 3mm Allen-Head bolts are 40-45 In-lbs / 4.5-5 Nm.*

**\*\*\*Do not over-tighten and risk stripping the head of the bolt.**

### \*\*INSTALLING FULL-WRAP HANDGUARDS\*\*

ODI V2 Lock-On™ Grips can easily be modified to work with “full-wrap” handguards by removing the end caps. Follow these simple steps to remove ODI end caps:

- 1) Carefully use a sharp blade to score the grip along the inside edge of the outer circle of each grip.
- 2) Use a small punch (screwdriver handle) to knock out the end of the grip.
- 3) Carefully remove any excess rubber that may interfere with the throttle tube, allowing for non-restricted turn on the handlebar.

**NOTE:** *After opening the grip end, do not run the throttle tube without the full-wrap handguards or ODI end plugs to close off the end of the grip. This can allow for dirt and debris to build up and cause interference with proper functioning of the throttle.*

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1/1/2021

For any questions or comments concerning these instructions, contact [info@odigrips.com](mailto:info@odigrips.com).

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**US PATENT Numbers: 6,035,742 : 6,263,759**



# MOTOCROSS/OFF-ROAD GRIPS

## V2 Throttle Hookup Guide

REV 2: 1/1/2021

Stroke	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000
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**THIS V2 LOCK-ON KIT INCLUDES THROTTLE CAMS A/B/C/D/J AND IS DESIGNED TO FIT THE FOLLOWING APPLICATIONS:**

CAM "A"	ODI PART #: H70SCA																				
Kawasaki	KX 250F/450F	4			x	x	x	x	x	x	x	x	x	x	x	x	x	x			
Suzuki	RM-Z 250/450	4			x	x	x	x	x	x	x	x	x	x	x	x	x				
Yamaha	YZ/WR 250F	4							x	x	x	x	x	x	x	x	x	x	x	x	
Universal Fit	YZ/WR 400F/426F/450F 03-13	4						x	x	x	x	x	x	x	x	x	x	x	x	x	
KTM	250SX-F, 350SX-F	4						x	x	x	x										
	400/450/500/520/525 SX/MXC/EXC/XC	4						x	x	x	x	x	x	x	x	x	x	x	x	x	
	450/525/625 SMC/SXC	4						x	x	x	x	x	x	x	x	x	x	x	x	x	

**NOTE:** \*2016-20 KTM & Husq 4-Stroke Models are equipped OE with the V2 system. Use OEM Cam or ODI CAM "M" as a replacement.

CAM "B"	ODI PART #: H70SCB																				
Honda	CRF 250R/250X	4	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			
	CRF 450R/450X	4	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
CAM "C"	ODI PART #: H70SCC																				
Kawasaki	KX 125/250	2								x	x	x	x	x	x	x	x	x	x	x	
Suzuki	RM 125/250	2								x	x	x	x	x	x	x	x	x	x	x	
Yamaha	YZ 125/250/250X	2	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Motion Pro	Throttle, Vortex™	-	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	

CAM "D"	ODI PART #: H70SCD																				
Beta	125/200/250/300RR Carbureted	2	x	x	x	x	x	x	x	x											
Gas Gas	EC 125/200/250/300	2	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
	MC 250/300	2								x	x	x	x	x	x	x	x	x	x	x	
Honda	CR 125/250R	2													x	x	x	x	x	x	
	CR 500R	2																		x	
Husqvarna	TC 85/125/250/300, TE150/250/300i	2	*	*	*	*	x	x	x	x	x										
KTM	85/125/150/200SX/EXC/XC-W	2	*	*	*	*	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
	250/300/380/SX/EXC/MXC/XC-W	2	*	*	*	*	x	x	x	x	x	x	x	x	x	x	x	x	x	x	

**NOTES:** \*2017-2020 KTM & Husqvarna 2-Stroke Models are equipped OE with the V2 system. Use OEM Cam as a replacement.

CAM "J"	ODI PART #: H70SCJ																				
Yamaha	YZ/WR 250F/450F	4	x	x	x	x	x	x	x												
	YZF-R6/YZF-R1	4	x	x	x	x	x	x	x	x	x	x	x	x	x						

**NOTE:** Cam "J" recommended OE replacement for 2014-2020 Yamaha YZ 250/450F Models.

CAM "M"	ODI PART #: H70SCM																				
KTM	250/350/450/500 SX-F/EXC-W/XC-W	4	x	x	x	x	x														
Husqvarna	FC/FE/FS 250/350/450/501	4	x	x	x	x	x														

### ALTERNATE ODI CAMS AVAILABLE:

CAM "E"	ODI PART #: H70SCE																				
KTM Mini	50/65 Mini/SX	2			x	x	x	x	x	x	x	x									
Cobra	CX50/CX65	2			x	x	x	x	x	x	x	x									
Beta	125/200/250/300RR EFI Models	2	x	x																	

CAM "F"	ODI PART #: H70SCF																				
Yamaha	YZ 85	2	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	

CAM "G"	ODI PART #: H70SCG																				
Honda	CRF 150R	4	x	x	x	x	x	x	x	x	x	x	x								

CAM "H"	ODI PART #: H70SCH																				
Honda	CRF/XR80, CRF/XR100	4							x	x	x	x	x	x	x	x	x	x	x	x	
	CRF125/150F	4						x	x	x	x	x	x	x	x	x	x	x			

CAM "I"	ODI PART #: H70SCI																				
Suzuki	DRZ 400S/SM	4	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
	DRZ 650S	4	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	

CAM "K"	ODI PART #: H70SCK																				
Kawasaki	KX 250/450F	4	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x				
Suzuki	RMZ 250/450F	4	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x				
Motion Pro	Throttle, Straight Push/Pull	4	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	

**NOTE:** Cam "K" is recommended best fit for all Kawasaki KX250/450F models.

CAM "L"	ODI PART #: H70SCL																				
Kawasaki	KX 65/85/100	2	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
	KLX 110/140	4	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
	KDX 200/220	2																			

CAM "N"	ODI PART #: H70SCN																				
KTM Mini	50/65 Mini/SX	2	x	x	x																
BETA	350/390/430/480rr				x	x	x	x	x	x	x										

CAM "P"	ODI PART #: H70SCP																				
Yamaha	YZ 65	2	x	x	x																

CAM "R"	ODI PART #: H70SCR																				
Honda	CRF 110	4	x	x																	
	CRF 125F	4	x	x																	

CAM "S"	ODI PART #: H70SCS																				
Sherco	250/300 SC-R	2	x	x		x															
	250/300 SE-R, 300/450 SEF-R	2/4	x	x	x	x	x														
	300/450 SCF-R	4	x	x																	