MOTOCROSS/OFF-ROAD GRIPS

V2 Lock-On ™ Throttle-Cam Hookup Guide

7/1/2026

		STROKE	YEAR RANGE	ODI CAM	THROTTLE CAM REFERENCE
THIS V2 LOCK-ON KIT INCLUDES ODI THROTTLE SNAP-CAMS B, C, D, J, K & M.					
THE "INCLUDED" THROTTLE CAMS FITMENT APPLICATIONS ARE AS FOLLOWS:					
BETA	125/200/250/300RR Carbureted	2	2013-2026	D	ODI PART #: H70SCD
BETA	300 RX/XT	2	2015-2026	D	ODI PART #: H70SCD
BETA	450RX	4	2024-2026	J	ODI PART #: H70SCJ
FANTIC	XE300	4	2025-2026	J	ODI PART #: H70SCJ
GAS GAS	EC / XC 125/200/250/300	2	1998-2020	D	ODI PART #: H70SCD
GAS GAS	MC 250/300	2	1998-2011	D	ODI PART #: H70SCD
GAS GAS	MC / EX 250/350/450F	4	2020-2026	M	ODI PART #: H70SCM
HONDA	CR 125/250/500R	2	1989-2007	D	ODI PART #: H70SCD
HONDA	CRF 250R/250RX/250X	4	2004-2026	B	ODI PART #: H70SCB
HONDA	CRF 450R/450RX/450X	4	2002-2026	B	ODI PART #: H70SCB
HUSQVARNA	CR/TC 85/125/250	2	2000-2016	D	ODI PART #: H70SCD
HUSQVARNA	TC 85/125/250/300, TE150/250/300i	2	2012-2016	D	ODI PART #: H70SCD
HUSQVARNA	FC / FE / FS 250/350/450/501	4	2017-2026	M	ODI PART #: H70SCM
KAWASAKI	KX 125/250	2	1992-2012	C	ODI PART #: H70SCC
KAWASAKI	KX 250/450F	4	2004-2026	K	ODI PART #: H70SCK
KAWASAKI	KLX 450	4	2009-2015	K	ODI PART #: H70SCK
KAWASAKI	KLR 650	4	2008-2026	K	ODI PART #: H70SCK
KAWASAKI	Ninja 300/400/650	4	2013-2024	K	ODI PART #: H70SCK
KAWASAKI	Versys 300/650	4	2013-2024	K	ODI PART #: H70SCK
KTM	85/105 SX/EXC	2	2003-2017	D	ODI PART #: H70SCD
KTM	125/144/150/200 EXC/MXC/SX/XC-W	2	1998-2016	D	ODI PART #: H70SCD
KTM	250/300/360/380 SX/EXC/MXC/XC-W	2	1998-2016	D	ODI PART #: H70SCD
KTM	250/350/450/500 SX-F/EXC-F/EXC-W/XC-W	4	2016-2026	M	ODI PART #: H70SCM
Motion Pro	Throttle, Vortex™	2	2000-2026	C	ODI PART #: H70SCC
Motion Pro	Throttle, Straight Push/Pull	4	2000-2026	K	ODI PART #: H70SCK
Rieju	MR 200/250/300 Carb. Inc. 6 Days	2	2021-2025	D	ODI PART #: H70SCD
SUZUKI	RM 125/250	2	1995-2008	C	ODI PART #: H70SCC
SUZUKI	RM-Z 250F	4	2008-2026	J	ODI PART #: H70SCJ
SUZUKI	RM-Z 450F	4	2008-2026	K	ODI PART #: H70SCK
TM	TM 85/125/250/300 Carbureted	2	1999-2026	D	ODI PART #: H70SCD
TRIUMPH	TF 250-X/450-RC4 Edition	2	2024-2026	M	ODI PART #: H70SCM
YAMAHA	Tenere 700 / Super Tenere ES	4	2014-2024	K	ODI PART #: H70SCK
YAMAHA	TW 200	4	2004-2026	K	ODI PART #: H70SCK
YAMAHA	XT 225/XT 250	4	2001-2026	K	ODI PART #: H70SCK
YAMAHA	YZF-R6/YZF-R1	4	2007-2020	J	ODI PART #: H70SCJ
YAMAHA	YZ 125/250/250 / X Models	2	1996-2026	C	ODI PART #: H70SCC
YAMAHA	YZ/WR 250F/450F	4	2014-2026	J	ODI PART #: H70SCJ
THE FOLLOWING MODELS REQUIRE THE OEM THROTTLE CAM: Consult your OEM Dealer for Replacement.					
GAS GAS	MC 50/E-2/3/5 Electric (w/Micro Bars)	E	2021-2026	N/A	REQUIRES MICRO GRIP
GAS GAS	MC 65 (W/Micro Bars)	2	2024-2026	OEM	REQUIRES MICRO GRIP
GAS GAS	MC 65	2	2021-2023	OEM	453.02.014.000
GAS GAS	EC/EX 250/300	2	2021-2026	OEM	504.02.014.000
GAS GAS	EC/ES/EX/MC 85/125/150/250/300	2	2021-2026	OEM	504.02.014.000

GAS GAS	EC/ES/EX/MC 250F/350F/450F/500F	4	2017-2026	OEM	USE OEM CAM
GAS GAS	ES/SM 700	4	2022-2026	N/A	Use UNIVERSAL L/O
HUSQVARNA	TC 50/E2/E3/E5 Electric (w/Micro Bars)	E	2020-2026	N/A	REQUIRES MICRO GRIP
HUSQVARNA	TC 50/65 (W/Micro Bars)	2	2025-2026	OEM	REQUIRES MICRO GRIP
HUSQVARNA	TC 50/65	2	2021-2024	OEM	453.02.014.000
HUSQVARNA	TC/TE 125/150/250/300	2	2017-2026	OEM	504.02.014.000
HUSQVARNA	FC/FE/FS 250/350/450/501	4	2017-2026	OEM	USE OEM CAM
HUSQVARNA	Norden701 Enduro/901	4	2024-2026	TBW	Use UNIVERSAL L/O
KTM	SX 50/E2/E3/E5 Electric (w/Micro Bars)	E	2020-2026	N/A	REQUIRES MICRO GRIP
KTM	50/65SX (w/Micro Bars)	2	2024-2026	OEM	REQUIRES MICRO GRIP
KTM	50/65SX	2	2021-2023	OEM	453.02.014.000
KTM	85/105/125/150/250/300SX/XC/XCW	2	2017-2026	OEM	504.02.014.000
KTM	690 Duke/Enduro/SMC	4	2013-2026	TBW	USE OEM GRIPSET
KTM	250/350/450/500 SX-F/EXC-F/EXC-W/XC-W	4	2016-2026	OEM	USE OEM CAM
THE BELOW THROTTLE CAMS ARE NOT INCLUDED IN THIS KIT, BUT ARE AVAILABLE FOR ADDITIONAL PURCHASE.					
ALTERNATE ODI THROTTLE CAMS ARE AVAILABLE FOR THE FOLLOWING MOTORCYCLES:					
BETA	350/390/400/430/450/480/520 RR/RR-S	4	2011-2018	A	ODI PART #: H70SCA
BETA	350/390/430/480/500RR-R/RR-S	4	2019-2026	N	ODI PART #: H70SCN
BETA	450RX	4	2024-2026	U	ODI PART #: H70SCU
BBR	BBR Throttle Assembly	4	512-BBR-2001	H	ODI PART #: H70SCH
COBRA	CX 50/65	2	2009-2018	E	ODI PART #: H70SCE
COBRA	CX 50/65	2	2019-2025	N	ODI PART #: H70SCN
DUCATI	Desmo450 MX/Factory/EDS/EDX	4	2025-2026	U	ODI PART #: H70SCU
FANTIC	XE300	4	2025-2026	U	ODI PART #: H70SCU
GAS GAS	MC 50/65	2	2009-2018	E	ODI PART #: H70SCE
GAS GAS	MC 50/65	2	2019-2020	N	ODI PART #: H70SCN
Greenger	E2/G3 models	E	2022-2024	H	ODI PART #: H70SCH
HONDA	CRF50F / XR50 / Z50/R	4	1979-2026	N/A	No CAM Available
HONDA	CR 60/80	2	1983-1984	H	ODI PART #: H70SCH
HONDA	CR 80	2	1985-1993	N/A	No CAM Available
HONDA	CR 80/85	2	2000-2013	N/A	No CAM Available
HONDA	CR 125/250/500	2	1986-1988	H	ODI PART #: H70SCH
HONDA	CRF-E2 (GREENGER)	E	2022-2024	H	ODI PART #: H70SCH
HONDA	CRF 80/100/200	4	2002-2013	H	ODI PART #: H70SCH
HONDA	CRF 110 Carbureted	4	2013-2018	N/A	No CAM Available
HONDA	CRF 110 / 125F F/I	4	2019-2026	R*	ODI PART #: H70SCR
NOTE:	****ABSOLUTEY REQUIRES CABLE ADJUSTMENT FOR PROPER FIT. TALL BARS WILL REQUIRE LONGER THROTTLE CABLE.***				
HONDA	CRF 125/150F	4	2003-2018	H	ODI PART #: H70SCH
HONDA	CRF 150R	4	2007-2026	G	ODI PART #: H70SCG
HONDA	CRF 230F/L	4	2003-2018	X	ODI PART #: H70SCX
HONDA	CRF 250F / 250/300L 4 Stroke Models	4	2008-2026	T	ODI PART #: H70SCT
HONDA	CBR 250/300 CB300/500	4	2011-2024	A	ODI PART #: H70SCA
HONDA	CB1100	4	2014-2015	X	ODI PART #: H70SCX
HONDA	GROM AC125/Monkey Z125/Super Cub C125	4	2014-2024	A	ODI PART #: H70SCA
HONDA	XR 75/80/100/200	4	1980-2001	H	ODI PART #: H70SCH
HONDA	XR150L/LE	4	2023-2026	H	ODI PART #: H70SCH
HONDA	XR 250/350/400/600/650R/L Models	4	1994-2020	X	ODI PART #: H70SCX
HUSQVARNA	TC 50/65	2	2009-2018	E	ODI PART #: H70SCE
HUSQVARNA	TC 50/65	2	2019-2020	N	ODI PART #: H70SCN
HUSQVARNA	FC/FE 250/350/450/501	4	2014-2016	A	ODI PART #: H70SCA

KAWASAKI	KX 60/80	2	1984-1988	L	ODI PART #: H70SCL
KAWASAKI	KX 65/85/100/112/500	2	2001-2026	L	ODI PART #: H70SCL
KAWASAKI	KX 125/250/500	2	1983-1991	C	ODI PART #: H70SCC
KAWASAKI	KLX 110/140 Models	4	2002-2025	L	ODI PART #: H70SCL
KAWASAKI	KLX 150/230/250/300	2	2017-2026	T	ODI PART #: H70SCT
KAWASAKI	KDX 80/200/220/250	2	1983-2006	L	ODI PART #: H70SCL
KAWASAKI	Z 125 Pro	4	2017-2026	L	ODI PART #: H70SCL
KOVE	450 Rally	4	2023-2026	T	ODI PART #: H70SCT
KTM Mini	50/65 Mini/SX	2	2009-2018	E	ODI PART #: H70SCE
KTM Mini	50/65 Mini/SX	2	2019-2020	N	ODI PART #: H70SCN
KTM	125/250/300/360 EXC/MXC/SX	2	1995-1997	P	ODI PART #: H70SCP
KTM	250/350 SX-F/EXC/XCF/XCW	4	2002-2015	A	ODI PART #: H70SCA
KTM	400/450/500/520/525 SX/MXC/EXC/XC	4	2000-2014	A	ODI PART #: H70SCA
KTM	625/640/950/990 Adv/Duke/SMR	4	2000-2012	A	ODI PART #: H70SCA
KTM	450/525/625 SMC/SXC	4	2003-2015	A	ODI PART #: H70SCA
Rieju	MR300i F/I	2	2026	N	ODI PART #: H70SCN
SHERCO	250/300 SC-R	2	2019-2020	S	ODI PART #: H70SCS
SHERCO	250/300 SE-R	2	2016-2020	S	ODI PART #: H70SCS
SHERCO	300/450 SEF-R	4	2016-2022	S	ODI PART #: H70SCS
SHERCO	300/450 SCF-R	4	2017-2022	S	ODI PART #: H70SCS
SHERCO	125/250/300 SE Factory	2	2021-2026	S2	ODI PART #: H70SCS2
SUZUKI	RM65	2	2003-2006	L	ODI PART #: H70SCL
SUZUKI	RM80/85	2	1983-2022	N/A	No CAM Available
SUZUKI	RM-Z 250/450	4	2004-2007	A	ODI PART #: H70SCA
SUZUKI	DL650	4	2014-2023	X	ODI PART #: H70SCX
SUZUKI	DRZ110	2	2003-2005	L	ODI PART #: H70SCL
SUZUKI	DR250/350/DR-Z 250/400S/SM/650X	4	1990-2026	I	ODI PART #: H70SCI
SUZUKI	GSX-R 600/750/1000	4	2007-2024	X	ODI PART #: H70SCX
SUZUKI	SV650	4	2020-2023	X	ODI PART #: H70SCX
TM	TM 125/250/300	2-TPI	2019-2024	A	ODI PART #: H70SCA
TM	TM250/450	4	2013-2024	A	ODI PART #: H70SCA
YAMAHA	TT-R 110	4	2009-2025	N/A	No CAM Available
YAMAHA	TT-R 125/TT-R 230	4	2000-2024	N/A	No CAM Available
YAMAHA	YZ 65	2	2018-2026	P	ODI PART #: H70SCP
YAMAHA	YZ 85	2	1981-2026	F	ODI PART #: H70SCF
YAMAHA	YZ/IT/MX/WR 125/175/250/400/465/490	2	1973-1982	F	ODI PART #: H70SCF
YAMAHA	YZ 100/125/250/490, WR250/500	2	1983-1996	P	ODI PART #: H70SCP
YAMAHA	YZ/WR 250F/400F/426F/450F	4	1998-2013	A	ODI PART #: H70SCA
YAMAHA	Tenere 700	4	2025-2026	N/A	No CAM Available

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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. Position grip so that end of grip is 1-2mm away from handlebar end.
- Position and tighten throttle housing into position. *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.

CLUTCH-SIDE AGGRESSIVE KNURLING PATTERN ON AFTERMARKET HANDLEBARS

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

To install ODI's Lock-On Grips onto these types of handlebars, you must slightly modify the surface of the Handlebars' knurling to bring them down to the standard 7/8" (22.225mm) 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 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.

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 (T-Handle or ratchet extension) to knock out the end of each 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.

For any questions or comments concerning these instructions, contact: info@odigrips.com WWW.ODIGRIPS.COM

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