



Quality Tools & Controls

Arctic Cat[®]

APPLICATIONS



Motion Pro® Standard Black Vinyl Cables

Our standard replacement black vinyl cables meet or exceed O.E. quality. Black Vinyl cables feature a rolled tempered-steel wire housing made to exact inner and outer specifications to insure correct clearances for the inner wire. All cables have an inner nylon sleeve for longer life and smooth operation. Motion Pro® uses the terminology “coil wound” (CW) to describe the standard type of cable housing.



Motion Pro® Armor Coat Braided Stainless Steel Cables

Dress your bike up with a set of Motion Pro®, Armor Coat Braided Stainless Steel Cables. Armor Coat cables feature a crystal-clear protective coating to protect the finish on your motorcycle and preserve the radiance of the braided stainless steel cables. Extensively tested to resist the effects of the sun’s UV rays.

Motion Pro® T2 Cables

Motion Pro T2 cables are our very best cables. All our T2 cables feature a Polyethylene (PE) liner for smooth operation and durability. Motion Pro T2 cables have proven their superiority in the demanding sports of Supercross, MX, enduro, and dirt track racing.

T2 throttle cables feature rolled tempered-steel coil wound (CW) housing with 1.5mm or 1.2 mm inner wire for strength and durability.

Our T2 clutch cables feature longitudinally wound  housing. Clutch cables are subject to very heavy loads and the  housing used in our T2 cables resists compression under heavy loads to deliver a precise, positive, non-mushy feel for enhanced performance.

All our cables are manufactured for specific models to insure perfect fitment. Complete cable kits are available for most popular MX and Offroad bikes.



Motion Pro® Throttle Information

At Motion Pro, we never refer to our throttles by fractional names (1/4-turn, 1/2-turn or other any other “turns”). How far a throttle fractionally turns is a function of the throttle’s “rate” (how much cable inner wire the throttle’s drum or cam reels in for every degree of rotation) and the carb’s/throttle body’s travel (how much cable inner wire must be reeled in to fully open the carb(s) or throttle body(ies)). As an example, our fastest throttle, the Vortex, has a rate of 1.90 (the maximum number of degrees turned divided by the maximum travel in mm, 95° / 50mm of wire travel). Since it has a maximum of 95° to turn, it will never be much more than a 1/4-turn throttle, but in any application requiring less than 50mm of travel, it will be less than 1/4-turn to fully open. If only 25mm of travel is required, it will be about a 1/8-turn throttle. The opposite of the Vortex is our CR Pro; our slowest single-pull throttle. It has a rate of 2.93, the result of a maximum of 170° turn and 58mm of travel. The rule of rates is simple; the smaller the value of the rate, the faster the throttle will open the carb.

Part Number	Throttle	Max Twist°	Rate	Max Travel	Free Length	Adjuster Thread	Adjuster	Replacement Throttle Tube	Replacement Wheel	Replacement Mud Cover	Fastener Head
01-0054	VORTEX	95°	1.90	50	60 ¹	8x1.25	01-0024	01-0082	C1-054B	C1-054A	8mm Hex
01-0053	CR Pro	170°	2.93	58	45 ¹	10x1.25	01-0018	01-0087			4mm Allen
01-0056	CR Comp	190°	2.35	81	50 ¹	10x1.25	01-0018	01-0088			5mm Allen
01-0057	TURBO (Std.)	120°	2.30	52	90 ²	8x1	Incl.	01-0089			4mm Allen
	TURBO (w/ Opt. Tube)	150°	2.00	75	90 ²	8x1	Incl.	01-0072			4mm Allen
01-0060	Magura 314 mx	95°	1.90	50	70	None					Slot
	Magura 314 enduro	105°	2.10	50	70						
01-0058	Push/Pull Black	165°	3.67	45	T20/50I	Cable		01-0052			
01-0059	Push/Pull Chrome	165°	3.67	45	T20/50I	Cable		01-0052			
01-0073	Straight Push/Pull	109°	3.00	36	T34/49I	Cable	Cable	01-0090			5mm Allen

¹ All throttle F/L is measured at the end of the threaded adjuster inside the throttle housing. The threaded adjuster must be screwed all the way in, for use with 01-0024 add 10mm, ² F/L measured from cap, Rate = Twist° / mm Travel, Max travel is measured in millimeters (mm)

Motion Pro® is your source for ATV Twist Throttle Conversions!

We offer a wide range of kits for all different styles of ATVs including replacement cables for use with stock throttles and aftermarket carburetors. We’ve also redesigned our packaging to make it easier to stock, easier to see what is included and more attractive. If you have any throttle kit questions, be sure to let us know; we’ll gladly answer any questions you might have.





Twist Throttle Kits

Model	CC	Carb	Model Year	CR Pro	Turbo	Vortex
250 Utility	0250	Stock	2008	01-2608		
375 2X4 Automatic	0375	Stock	2002		01-0522	
400 2X4	0400	Stock	1998		01-0388	
400 2X4	0400	Stock	2002		01-0522	
400 4X4	0400	Stock	2003 - 2004		01-0522	
454 Bear Cat	0454	Stock	1996 - 1998		01-0388	
500 4x4 5-Speed	0500	Stock	1999 - 2000		01-0388	
500 4x4 5-Speed	0500	Stock	2001 - 2006		01-0522	
500 4x4 Automatic	0500	Stock	2000 - 2006		01-0522	
DVX 250	0250	Stock	2008	01-2608		
DVX 400 Sport Cat	0400	Stock	2004	01-0563	01-0570	01-0562
DVX 400 Sport Cat	0400	Stock	2006 - 2008	01-0563	01-0570	01-0562



Black Vinyl Cables

Model	CC	*Cable Length	Model Year	Throttle BV	Clutch CW	Clutch LW	Speedo
DVX 400	0400	Std	2004	04-0228	04-0232	04-0229	
DVX 400	0400	Std	2006 - 2008	04-0228	04-0232	04-0229	
Cheetah Touring	0440	Std	1989 - 1992				09-0091
Cougar	0440	Std	1989 - 1994				09-0091



Cables for Vortex™ Throttle

Model	CC	Carb	Model Year	BV Throttle Cable
DVX 400	0400	Stock	2004	01-0458
DVX 400	0400	Stock	2006 - 2008	01-0458

Cables for Turbo™ Throttle

Model	CC	Carb	Model Year	BV Throttle Cable
400 2X4	0400	Stock	1998	01-0677
DVX 400	0400	Stock	2004	01-0745
DVX 400	0400	Stock	2006 - 2008	01-0745
454 Bear Cat	0454	Stock	1996 - 1998	01-0677
500 4x4 5-Speed	0500	Stock	1999 - 2000	01-0677



Included:
Rubber Mud Cover
for Vortex Throttle



Vortex™ throttle 01-0054

Cables for CR-Comp, CR-Pro and Agricultural (Ag) Throttles

Model	CC	Type	Model Year	BV Throttle Cable
250 Utility	0250	ATV	2008	01-1077
DVX 250	0250	ATV	2008	01-1077
DVX 400 Sport Cat	0400	ATV	2004	01-0459
DVX 400 Sport Cat	0400	ATV	2006 - 2008	01-0459



Turbo™ throttle 01-0057

CR Comp™ throttle 01-0056



CR Pro™ throttle 01-0053



Agricultural throttle 01-0063



CR Pro™ Chrome throttle 01-0071



OE Style Replacement Levers

Model	CC	Model Year	Black L-Hand	Black R-Hand
DVX 400 Sport Cat	0400	2004	14-0504	14-0422
DVX 400 Sport Cat	0400	2006	14-0504	14-0422

Tools

Model	CC	Model Year	Spark Plug Socket
DVX 400 Sport Cat	0400	2004	08-0239
DVX 400 Sport Cat	0400	2006 - 2008	08-0239

Flywheel Pullers

Model	CC	Model Year	Flywheel Puller
DVX 400 Sport Cat	0400	2004	08-0306
DVX 400 Sport Cat	0400	2006 - 2008	08-0306

* Cable Length-number of inches + or -, CC- Displacement, BV- Black Vinyl, CW- Coil Wound, LW- Longitudinally Wound

L- left hand, R- Right hand

Terms of Business:

Motion Pro sells to authorized powersports distributors, powersports dealers, specialty manufacturers and retail consumers. We encourage retail consumers to purchase our products from their local powersports dealer where they can see an item before purchasing it, obtain necessary technical advice and information, save shipping charges, and obtain additional services that we cannot offer. We encourage powersports dealers to buy our products from one of our authorized distributors to get the lowest pricing and best terms. Our terms of sale to powersports dealers and retail consumers are FOB San Carlos, California and payment must be made by credit card or money order. We do not issue refunds or accept returns except in case of warranty where we have chosen to issue a refund instead of repair or replacement. Please call us if you cannot find the product you are looking for at your local dealer or favorite distributor.

We accept orders by mail, email, telephone or fax from authorized account holders. Our staff is available during regular business hours (pacific standard time) to answer your technical questions or special application needs. For more information contact your dealer, visit us at www.motionpro.com or give us a call and one of our sales representatives will be happy to answer any questions you may have. Our office hours are 8:00am to 5:00pm PST, Monday through Friday.

Part Numbering:

All Motion Pro cables are individually packed in poly sleeves with a color-coded header card. Each color represents a specific brand or type of cable. Our part number and the type of cable is printed on each header card. In addition, the Motion Pro part number is embossed on each cable to ensure positive identification.

Returns:

Warranty claims must be made directly to Motion Pro, Inc. Please call the Motion Pro Warranty Department during regular business hours (M-F, 8-5 pm, PST) to obtain an RGA number before you return any product to Motion Pro. We will not accept product that is returned without a Motion Pro issued RGA number. After you obtain an RGA number, send the item along with a copy of your purchase receipt to Motion Pro Warranty Dept., 867 American Street, San Carlos, CA 94070. The RGA number must be clearly marked on the outside of the package. Please include a brief description of the problem, your full name, company name, address, and telephone number and email address. We cannot process warranty claims that are made with incomplete information or without a valid RGA number or purchase receipt. Warranties on Motion Pro products are applicable to the original purchaser only and are not transferable. Claimant is responsible for all freight charges to return product to Motion Pro. If upon inspection we find that the product was covered under the Motion Pro warranty for that product we will, at our choice, either repair or replace the item at no charge, freight prepaid. Unless specifically requested, we will not return product sent to us if we determine that the product is no longer covered under the applicable warranty or the damage was due to abuse or neglect. Claimant is responsible for freight charges to return product to claimant that is not covered under warranty.

Motion Pro warranties are limited; see the "Warranty Limitations" for further information.

Warranty Limitations:

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Back Orders:

All back orders should be confirmed directly with your distributor.

Motion Pro® Inc.

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