

## RydeFX AIR 2.0 SHOCKS



The focus of the RydeFX Air 2.0 was to take a unique approach to developing a gas spring damper which would not only overcome the shortfalls associated with traditional air spring shock absorber designs, but also set a new precedence in damper design.

Aside from eliminating approximately 1.0 lb of weight off each corner of a snowmobiles front suspension, as compared with a coil over monotube design; the unique characteristic of the AIR 2.0 resides in it patented oil porting and integrated cylinder design which incorporates twin gas chambers that provide dual rate spring adjustability. This streamline approach eliminates the need for external gas chambers that are more susceptible to air leakage and have significant pressure to overcome during the initial stage of shock stroke.

Unlike other "springless" shock absorber designs, the AIR 2.0 has transposed the single purpose of an internal floating piston into multifunctional gas spring chambers. Within the larger 47mm aluminum cylinder, gas spring pressures can be set in a range of approximately 50-100 psi to allow adjustments in front suspension sag and for an initial lower "spring" rate within the range of 1.0" - 1.5" of shock stroke. The second gas spring chamber is located in the 37mm hardened chrome finished cylinder which doubles as a durable damper rod that lubricates the shaft seals and ice scraper as it travels in-and-out of the 47mm shock body, thereby eliminating any possible traits of excessive friction. The gas chamber within the 37mm rod cylinder can be set in a range of approximately 120-220 psi to allow for a stiffer "spring" rate that controls the remaining travel in shock stroke.

This level of integration of twin gas spring chambers within a single body configuration combines light weight responsiveness for high speed handling and rough trail riding as well as remarkable comfort due to the pusher initial spring rate.

**RydeFX AIR 2.0 ski shocks are sold as a pair with a pump included for \$647.95.**

SKI-DOO	YEAR	PART #
Expedition Sport 550 F	2006	10006
Grand Touring LE 600 HO E Tec	2010	10006
GSX Fan 380	2006	10006
GSX Fan 380F	2005	10006
GSX Fan 550	2006-08	10006
GSX Fan 550F	2005	10006
GSX Ltd 600 HO E Tec	2009	10006
GSX LE 600 HO E Tec	2009-10	10006
GSX Ltd 600 HO SDI	2006-08	10006
GSX Ltd 800 HO	2005	10005
GSX Ltd 800 HO	2006-07	10006
GSX Ltd 800R Power TEK	2008	10006
GSX Sport 500 SS	2006-07	10006
GSX Sport 600 HO SDI	2006-07	10006
GTX Fan 380	2006	10006
GTX Fan 550	2006-09	10006
GTX Ltd 600 HO	2005	10005
GTX Ltd 600 HO SDI	2006-08	10006
GTX Ltd 800 HO	2005	10005
GTX Ltd 800 HO	2006-07	10006
GTX Sport 500 SS	2006-08	10006
GTX Sport 600 HO SDI	2006-08	10006
MX Z Fan 380F	2006	10006
MX Z Fan 550F	2006-08	10006
MX Z Adrenaline 500	2003	10005
MX Z Adrenaline 500 SS	2005	10005
MX Z Adrenaline 500 SS	2006-07	10006
MX Z Adrenaline 500 SS (R)	2004	10005
MX Z Adrenaline 600 HO	2003	10005
MX Z Adrenaline 600 HO	2005	10005
MX Z Adrenaline 600 HO	2006-07	10006
MX Z Adrenaline 600 HO (R)	2003-04	10005
MX Z Adrenaline 600 HO / SDI	2006-08	10006
MX Z Adrenaline 600 HO E Tec	2009	10006
MX Z Adrenaline 700 / 700 (R)	2003	10005
MX Z Adrenaline 800	2003	10005
MX Z Adrenaline 800 (R)	2003-04	10005
MX Z Adrenaline 800 HO	2005	10005
MX Z Adrenaline 800 HO	2006-07	10006
MX Z Adrenaline 800R Power Tek	2008-09	10006
MX Z Adrenaline 800 HO (R)	2004	10005
MX Z Renegade 2-Tec 1000 SDI	2007	10006
MX Z Renegade 2-Tec 800 HO	2007	10006
MX Z Renegade 600 HO	2003	10006
MX Z Renegade 600 HO	2005	10005
MX Z Renegade 600 HO (R)	2003	10006
MX Z Renegade 600 HO (R)	2004	10005
MX Z Renegade 600 HO SDI	2006-08	10006
MX Z Renegade 600 HO E Tec	2009	10006

SKI-DOO	YEAR	PART #
MX Z Renegade 800	2003	10006
MX Z Renegade 800 (R)	2003	10006
MX Z Renegade 800 HO	2005	10005
MX Z Renegade 800 HO	2006	10006
MX Z Renegade 800 HO (R)	2004	10005
MX Z Renegade 800R Power Tek	2008-09	10006
MX Z Renegade 1200 4 Tec	2009	10006
MX Z Trail 500 SS	2006-07	10006
Summit 550 Fan	2007-09	10006
Summit Adrenaline 600 HO R	2004-05	10006
Summit Adrenaline 600 HO SDI	2006	10006
Summit Adrenaline 600 HO SDI (144)	2007-08	10006
Summit Adrenaline 800 HO	2006	10006
Summit Adrenaline 800 HO R	2004-05	10006
Summit Adrenaline 800 R (144)	2007	10006
Summit Highmark 1000	2005-06	10006
Summit Highmark 1000 (151)	2007	10006
Summit Highmark 1000 (162)	2007	10006
Summit Highmark 1000 X	2006	10006
Summit Highmark 800 HO (R)	2004	10006
Summit Highmark X 1000 (151)	2007	10006
Summit Highmark X 1000 (162)	2007	10006
Summit Sport 800 HO (R)	2004	10006
Summit X 800 R (144)	2007	10006
Summit X 800 R (151)	2007	10006
Summit X 800 R (159)	2007	10006

ARCTIC CAT	YEAR	PART #
Bearcat 570 / Ltd	2009-11	10003
Crossfire 1000 EFI	2007-09	10004
Crossfire 500 EFI	2007,09	10004
Crossfire 600 EFI	2006-08	10004
Crossfire 700 EFI	2006	10004
Crossfire 700 EFI EB	2006	10004
Crossfire 800 EFI	2007-08	10004
F5 / F6 / F8 / F1000 EFI LXR	2007-08	10003
F5 / F6 / F8 Models	2008-11	10003
F5, F570	2008-11	10003
Firecats 5 Carb, 6 EFI, 7 All	2005	10004
Jaguar Z1 Models	2007-08	10003
Jaguar Z1 Early Build	2007	10003
M6 / M7 / M8 / M1000 Models	2006-08	10004
Sabercat 500, 600, 700 EFIs	2005-06	10004
T500, T570	2008-09	10003
T570	2010-11	10003
TZ1 / LXR Ltd / Touring	2008-11	10003
Z1 Turbo / LXR	2010-11	10003

POLARIS	YEAR	PART #
550 IQ Shift / 136 / Touring	2009-11	10002
600 Dragon	2009	10002
600 Dragon Switchback	2008	10002
600 RMK	2007-11	10001
600 RMK Shift	2009	10001
600 Switchback	2008-09	10002
600 Widetrak IQ	2010-11	10002
600 IQ / Shift	2009-11	10002
600 HO Fusion (M10)	2006	10002
700 Fusion (IQ-RydeFX)	2006	10002
700 Classic / Touring	2006	10002
700 Dragon IQ / IQ	2008	10002
700 RMK	2008-10	10001
700 Switchback	2008	10002
800 IQ / Shift	2009	10002
800 Switchback	2009	10002
800 Dragon	2009	10002
800 Dragon RMK	2008-10	10001
800 RMK / RMK Shift 144	2009	10001
800 Switchback	2009-10	10002
900 Fusion (IQ-RydeFX)	2005-06	10002
900 Fusion (M10)	2005-06	10002
600 HO IQ	2007	10002
600 HO IQ LX CFI	2007	10002
600 HO IQ Touring CFI	2007	10002
FST IQ / Cruiser / LX / Touring	2007-08	10002
FS / FST Touring	2009	10002
600 HO IQ Models	2008	10002
IQ FST Models	2008	10002
Switchback (All with OE# 7042258 or 7043245)	2005-09	10002
RMK (All with OE# 7043049 or 7043222)	2005-09	10001
Turbo Switchback	2008-09	10002
Turbo IQ Dragon	2009	10002
Turbo IQ LX / LXT	2011	10002
Widetrak IQ / FS	2009-11	10002

AIR 2.0 Part #	Extended Length	Collapsed Length
10001	17.0"	11.2"
10002	18.0"	11.8"
10003	17.5"	11.5"
10004	18.7"	12.6"
10005	18.0"	11.5"
10006	16.9"	10.6"

SHOCKS