



Softail Air Suspension Analysis Chart

This chart is an analysis of different softail air suspensions and their features affecting performance. A valuable tool for those researching softail air suspension for their motorcycles.

SOFTAIL AIR SUSPENSIONS	SHOTGUNSHOCK	PLATINUM	HI/ LO	AIR FX	SAS	PROGRESSIVE	LEGEND
RANGE OF ADJUSTMENT	FULL TRAVEL OF SWINGARM, 5 INCHES 1 INCH HIGHER THAN STOCK AND DOWN TO THE FRAME IF FRAME IS MODIFIED IT WILL GO LOWER	ABOUT THE SAME AS SHOTGUNSHOCK BUT WONT GO AS HIGH SO ABOUT 4 INCHES OF ADJUSTMENT	ABOUT THE SAME AS PLATINUM 4 INCHES	4 INCHES	3INCHES	3 INCHES WILL NOT LOWER TO FRAME BECAUSE OF STANDARD SPRING INSIDE SHOCK	4 INCHES
REBOUND CONTROL	THE REBOUND IS FULLY CONTROLLED BY ADDING COMPRESSED AIR TO OPPOSING SIDE OF PISTON	SIMPLE SYSTEM HAS NO REBOUND CONTROL, DELUXE SYSTEM CONTROLS REBOUND WITH COMPRESSED AIR	NO REBOUND CONTROL	NO REBOUND CONTROL	NO REBOUND CONTROL	REBOUND IS CONTROLLED WITH STANDARD SHOCK	REBOUND IS CONTROLLED WITH A HYDRAULIC PISTON
ADJUSTABILITY OF FIRMNESS AND REBOUND	FIRMNESS AND REBOUND ARE FULLY ADJUSTABLE BY RELEASING OR ADDING COMPRESSED AIR TO EITHER SIDE OF PISTON, REFERRED TO AS BLEED FEED	SIMPLE SYSTEM HAS NO ADJUSTABILITY WHILE THE DELUXE SYSTEM WORKS SIMILAR TO THE SHOTGUNSHOCK	NO ADJUSTABILITY OF FIRMNESS OR REBOUND	NO ADJUSTABILITY OF FIRMNESS OR REBOUND	NO ADJUSTABILITY OF FIRMNESS OR REBOUND	SOME ADJUSTMENT BUT LIMITED BY SPRING IN STANDARD SHOCK	NO ADJUSTABILITY OF FIRMNESS OR REBOUND
HEIGHT ADJUSTMENT	ON BOARD AIR COMPRESSOR WITH FOUR ELECTRO MECHANICAL SOLENOIDS DIRECTING AIR TO OPPOSING CHAMBERS OF SINGLE BODY AIR CYLINDER	ON BOARD AIR COMPRESSOR WITH FOUR ELECTRO MECHANICAL SOLENOIDS DIRECTING AIR TO OPPOSING CHAMBERS OF TWO AIR CYLINDERS, SIMPLE SYSTEM HAS ONLY ONE SOLENOID	COMPRESSED AIR FLOWS INTO THE TWO AIR CYLINDERS RAISING THE BIKE AND THEN AIR CAN BE RELEASED TO LOWER THE BIKE	COMPRESSED AIR IS DIRECTED INTO A SINGLE AIR CYLINDER TO RAISE BIKE AND AIR IS RELEASED TO LOWER BIKE	COMPRESSOR IS BUILT INTO THE SHOCK, THE COMPRESSOR DIRECTS AIR INTO THE CHAMBER OF AIR CYLINDER RAISING BIKE A VALVE IS OPENED TO RELEASE AIR TO LOWER BIKE	AIR IS USED TO LOWER AND RAISE BIKE .WHEN LOWERING THE SPRING IS COMPRESSED	ON BOARD COMPRESSOR DIRECTS AIR INTO AN AIR BAG RAISING BIKE, AIR IS RELEASED TO LOWER BIKE