

# HOW TO CONDUCT THE STATIONARY SOUND TEST

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This is a summary of the SAE J1287 JUL98 stationary sound test procedure. Although stationary test measure primarily exhaust noise, this test has been designed to pass quiet vehicles (those which test below a specified limit) and fail those that exceed a certain sound level limit.

This procedure may be used to allow motorcycles and ATVs to enter an OHV park, as a prerequisite for entry into a competitive event, or to support enforcement actions for those vehicles subjectively observed as being too loud.

## Sound Test Equipment

For convenience, attach a 20-inch string to the front of the sound level meter for the stationary sound test.

Do not use a stick or wire for this purpose as the sound level reading may be affected.

Allow the sound level meter to come to the same temperature as the surroundings.

Set sound level meter to the slow dynamic response and the A-weighting network (if equipped with this option).

## Test Site

No one should be within 10 feet (3 meters) of the vehicle other than the rider, the sound meter operator, an assistant to hold the front of the vehicle(if needed) and one other person directly behind the sound meter operator(if needed).

The test area should be a flat, open surface free of large sound-reflecting surfaces within 16 feet (5 meters), such as parked vehicles, buildings, signs, and hillsides.

The surface should be free of loose soil, snow or grass higher than 6 inches (150 millimeters).

The ambient sound level (including wind effects) at the site shall be at least 10dB lower than the sound level of the vehicles tested.

Always use a windscreen under windy conditions. The stationary test procedure should not be conducted if the wind speed is 20 mph (9m/s) or higher.

If it is necessary to test in higher winds, position the vehicle so the wind direction is parallel to the normal direction of travel of the vehicle.

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Also, do not attempt sound level measurement when it is raining or snowing.

### **Measuring the Vehicle Sound**

Make sure the engine is warmed up and the transmission is in neutral.

Have the rider sit on the motorcycle with both feet on the ground, or on the ATV with feet on the footrests, so that the vehicle is vertical and stationary.

Hold the sound meter:

1. At a 45-degree angle to the exhaust centerline (the normal line of travel)
2. Parallel to the ground
3. 20 inches (0.5 meter) to the rear of the exhaust outlet
4. At the same height as the exhaust outlet

Determine the test RPM for the make, model, and year of vehicle from the tables in this manual.

If the test RPM (one-half the maximum rated RPM) is not available, please see alternatives for the test RPM below.

Set the vibrating reed tachometer to the test RPM, or attach an electric tachometer.

Have the rider or assistant hold the vibrating reed tachometer against any solid part of the vehicle, or have the rider or assistant read the meter of the electric tachometer.

Have the vehicle operator slowly increase the engine speed to the test RPM.

Have the vehicle operator or assistant signal when the correct RPM is held (e.g., by tapping his foot).

Read the sound level meter when the correct RPM is held.

### **Test RPM**

If the test RPM (one-half the maximum rated RPM) is not available on the tables that follow, the following options may be used:

1. One-half of the redline speed may be used, however the measure sound will be higher than the level using the test RPM and a 3 dB tolerance must be added to the sound level measured. For more information on using one-half of the redline speed, please refer to the “SAE Standard J1287, Appendix A, A.1 Enforcement Testing”.

2. The closing RPM (according to the Federal Test Procedure) contained on the “Motorcycle Noise Emission Control Information” label may be used to determine one-half the maximum rated RPM. To determine one-half of the maximum rate RPM from the closing RPM value on the motorcycle label, use the appropriate formula below:

<b>Engine Size</b>	<b>1/2 Maximum Rated RPM</b>
0-175 cc	“Closing RPM” divided by 1.9
176-675 cc	“Closing RPM” divided by [2.18-(.0016 x engine size in cc)]
Over 675 cc	“Closing RPM” divided by 1.1

### **RECOMMENDED SOUND LIMITS**

The Motorcycle Industry Council, Inc. (MIC) and the Specialty Vehicle Institute of America (SVIA) recommend the following maximum sound limit, based on the stationary sound test procedure (SAE J1287):

<b>Motorcycles &amp; ATVs</b>	<b>Maximum Sound Level</b>
General Off-Highway Use	96 dB(A) with (SAE J1287)
Closed-Course Competition Events	The sound limits established by the organization sanctioning the event should be followed.

The 96 dB(A) limit is recommended as the maximum in areas where no sound level laws exist. Many states and localities, however, have ordinances mandating other sound level limits. Always check for the existence of local ordinances prior to riding in a new area.



**1996-2011 Model Test RPM Data**  
**Supplement to MIC Stationary Sound Test Manual for Off-Highway Motorcycles, ATVs, & ROVs**

**ARCTIC CAT ATVs**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
50	50 2x4	JA50									2750	2750						
90	90 2X4,DVX	AC20											3650	3650	3650	3650	3650	3650
	90 2x4 4 Stroke	CT90							3500	3500	3750	3750						
	90 2x4 2 Stroke	JA90							3500	3500	3500							
150	150 2X4	AC30														3875	3875	3875
250	250 2X4,DVX	AC50											3200	3200	3200	3200		
	250 2x4	J432				4850	4850	3750	3750	3750	3750	3750						
	250 4x4	J433						3750	3750	3750	3750	3750						
300	300DVX,2x4	AC60														3750	3750	3750
	300 2x4	K411			4650	4650	4650	3500	3500	3500	3500	3500						
350	350 4x4	AC70																3425
366	366 4X4,FIS	AC70														3400	3400	3400
375	375A 2x4,4x4	K424,K425								3250								
400	400 4X4	AC70															3200	
	400 2x4	K408			4250	4250	4250	3500	3500									
	400 4x4	K413			4250	4250	4250	3500	3500									
	400A 2x4	K424									3250	3250						
	400A 4x4	K425									3250	3250	3250	3250	3250	3250		
	400M 2x4	K426									3500	3500						



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**ARCTIC CAT ATVs**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
400	400M 4x4, 400 DVX	K427,K428, K430									3500	3500	3500	3500	3500	3500		
425	425 4x4,FIS	A90																3600
450	450 4x4,TRV	AC90															3500	3500
454	454 2x4	K404		4300	4300													
	454 4x4	M403,K403	4300	4300	4300													
500	500/M 4x4	M406			4250	4250	4250	3000	3000									
	500A 4X4	M408					4250	3000	3000									
	500A 4x4	M410								3000	3000	3000						
	500M 4x4	M412								3000	3000	3000	3000	3000	3000	3000		
550	550H1,4X4	0550A														3150	3150	3150
650	650AH1,4X4, MudPro,FIS	0650A											3225	3225	3225	3225	3225	3225
	650AH14x4	10A650										3500						
	650AV-2	VF650									3250	3250	3250					
700	H14X4	0700A														3150	3150	
	Prowl,er,FI,S	0700A														2850	2850	2850
	Cruiser	0700A															3000	
	TBX,TRV, Cruser,Prowler	0700A																3250



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**ARCTIC CAT ATVs**

Engine size (in cc)	Model	Engine Prefix	Test RPM																
			Model Year																
			1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
700	Mud Pro	0700A																3325	3325
	Diesel 4x4, FIS	LDW												2200	2200			1800	1800
	EFI 4X4	P414											2925	2925	2925				
1000	Prowler	0950T																3250	3490
	1000 4x4 FIS	0950T																3450	3450
	1000 4x4 TRV, Mud Pro, Cruiser	0950T																3250	3250
	H2 4X4	0950T1														3450	3450		



**1985-2000 Model Test RPM Data**  
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**ATK Motorcycle**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
250	ATK250(all)	148						5000	5000	5000								
	250	257										3875	3875					
	260LQ	287										4200	4200					
350	350	348										3750	3750					
	ATK350(all)	237						5500	5500	5500								
406	ATK406(all)	157						4500	4500	4500								
604	ATK604(all)	257						4000	4000	4000								
605	605	604504										3500	3500					
	605	560										3650	3650					



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**BOMBARDIER / CAN-AM (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
50	DS 50	DS50										3500	3500	3500				
70	DS 70	DS70													3500	3500	4000	4000
90	DS 90 2 Stroke	DS902										3315	3315	3315				
	DS 90 4 Stroke	DS904										3250	3750	3750	3500	3500	4000	4000
175	Rally	Rotax175								4100	4100	4100	4100	4100				
250	DS 250 4 Stroke	DS2504											3250	3250	3250	3250	3050	3050
330	Outlander 300	Rotax325									3600	3600						
400	Outlander 400	Rotax400								3500	3500	3500	3500	3500	3500	3500		
	Outlander EFI	Rotax400													3625	3625	3750	3750
450	DS 450	DS450													2950	2950	3950	3950
500	Renegade 500	Rotax490												3750	3750	3750	3700	3850
	Outlander 500	Rotax490												3750	3750	3750	3700	3850
	TraxterModels-ALL	Rotax511					3125	3125	3125	3125	3125	3125						
	Quest 500	Rotax514							3700	3700	3700	3700						
650	Quest 650,XT	Rotax610					3250		3525	3525	3525	3525						
	DS Models-ALL	Rotax654					3250	3250	3250	3250	3375	3375						
	DS 650	Rotax654												3250	3250			
	Outlander 650	Rotax660												3750	3750	3750	3750	3850





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**BOMBARDIER / CAN-AM (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																
			Model Year																
			1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
800	Outlander 800	Rotax810											3500	3500	3500	3500	3625	3625	
	Renegade 800	Rotax810												3500	3500	3500	3625	3625	
800	Commander	Rotax810																3625	
1000	Commander	Rotax1010																3500	



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**HONDA (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
50	CRF50F	AE03E																
	XR50R	AE03E																4250
	Z50R	AB02E	3750	3750	3750	4250	4250			4250	4250	4250	4250	4250	4250	4250	4250	
	ZB50	AB22E				4000												
70	CRF70F	DE02E																
	CT70	DB01E							4000	4000	4000	4000						
	XR70R	DE02E												4000	4000	4000	4000	4000
80	CR80R*/RB*	HE04E	7500	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6250	6250	6250	6250	6250
	CRF80F	HE01E																
	XL80S	HD04E	3250															
	XR80R	HE01E	5250	5250	5000	5000		5000	5000		5000	5000	5000	5000	5000	5000	5000	5000
85	CR85R*/RB*	HE07E																
90	EZ90(CUB)	HE06E							3125	3125	3125	3125	3125	3125				
100	CRF100F	HE03E																
	XL100S	HD05E	4750															
	XR100	HE03E	4750								4500	4500	4500					
	XR100R	HE03E		4750	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500
110	CT110	JD01E		3750														
125	CR125R*	JE01E	5750	5750	5750	5500	5500	5500	5500	5500	5500	5500	5500	5750	5750	5750	5750	5750
	XL125S	JD02E	4750															

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**2001-2011 Model Test RPM Data**  
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**HONDA (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM														
			Model Year														
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011				
50	CRF50F	AE03E				4250	4250	4250	4250	4250	4250		4250				
	XR50R	AE03E	4250	4250	4250												
	Z50R	AB02E															
	ZB50	AB22E															
70	CRF70F	DE02E				4000	4000	4000	4000	4000	4000		4000				
	CT70	DB01E															
	XR70R	DE02E	4000	4000	4000												
80	CR80R*/RB*	HE04E	6250	6250													
	CRF80F	HE01E				5000	5000	5000	5000	5000	5000		5000				
	XL80S	HD04E															
	XR80R	HE01E	5000	5000	5000												
85	CR85R*/RB*	HE07E			6000	6000	6000	6000	6000								
90	EZ90(CUB)	HE06E															
100	CRF100F	HE03E				4750	4750	4750	4750	4750	4750		4750				
	XL100S	HD05E															
	XR100	HE03E															
	XR100R	HE03E	4750	4750	4750												
110	CT110	JD01E															
125	CR125R*	JE01E	5750	5750	5750	5750	5750	5750	5750								
	XL125S	JD02E															

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**HONDA (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
150	CRF150F	KE02E																
	CRF150R*/RB*	KE03E																
200	XR200R	ME04E, ME05E		4250	4000	4000		4000	4000		4000	4000	4000	4000	4000	4000	4000	
230	CRF230F	ME09E																
250	CR250R*	ME03E	4000	4250	4000	4250	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	
	CRF250R*	ME10E																
	CRF250X	ME11E																
	XR250L	MD22E							4000	4000	4000	4000	4000	3000				
	XR250R	49SME06E		2000	2000	2000	2000	4000	4000	4000	4000	4000	4000	3500	3500	3500	3500	3500
	XR250R	CAME06E														4000	4000	4000
350	XL350R	ND03E	3750															
	XR350R	NE01E	3750															
400	FL400	TE16E						3000										
	XR400R	NE03E											3500	3750	3750	3750	3750	
450	CRF450R*	PE05E																
	CRF450X	PE06E																
500	CR500R*	PE02E	3250	3250	3250	3000	3500	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	
600	XL600R	PD03E	3000	3000	3000													
	XR600R	49SPE04E	3250	3250	3250	3125	3125	3125	3250	3250	3250	3250		3250	3250	3250	3250	3250

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**HONDA (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																
			Model Year																
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011						
150	CRF150F	KE02E			4250	4250	4250	4250	4250	4250	4250								
	CRF150R*/RB*	KE03E							6250	6250	6250								
200	XR200R	ME04E, ME05E	4000	4000															
230	CRF230F	ME09E			4000	4000	4000	4000	4000	4000	4000								
250	CR250R*	ME03E	4000	4000	4000	4000	4000	4000	4000										
	CRF250R*	ME10E				5500	5500	5500	5500	5500	5500	5500	5500						
	CRF250X	ME11E				4500	4500	4500	4500	4500	4500								
	XR250L	MD22E																	
	XR250R	49SME06E	3500	3500	3500	3500	3500												
	XR250R	CAME06E	4000	4000	4000	4000	4000												
350	XL350R	ND03E																	
	XR350R	NE01E																	
400	FL400	TE16E																	
	XR400R	NE03E	3750	3750	3750	3750	3750												
450	CRF450R*	PE05E		4500	4500	4500	4500	4500	4500	4500	4500	4250	4250	4250					
	CRF450X	PE06E					3750	3750	3750	3750	3750								
500	CR500R*	PE02E																	
600	XL600R	PD03E																	
	XR600R	49SPE04E																	

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**HONDA (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
600	XR600R	CAPE04E														3000	3000	3000
650	XR650L	RD06E										3000	3000	3000	3000	3000	3000	3000
	XR650R	RE01E																3250

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**HONDA (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011					
600	XR600R	CAPE04E																
650	XR650L	RD06E	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000						
	XR650R	RE01E	3250	3250	3250	3250	3250	3250	3250									

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**HONDA (ATV)**

Test RPM

Engine size (in cc)	Model	Engine Prefix	Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
			70	ATC70	TB03E	3500												
	TRX70	TE10E		3500	3500													
90	TRX90/TRX90X	TE18E									3750	3750	3750	3750	3750	3750	3750	
110	ATC110	TB02E	3875															
125	ATC125M	TE01E	3750	3750	3750													
	TRX125	TE01E/5E	2750	3750	3750	3750												
200	ATC200M	TB05E	3500															
	ATC200S	TB05E	3500	3500														
	ATC200X	TB05E	4000	3750	3750													
	TLR200	MD19E		3250	3250													
	TR200	TE11E		3500	3500													
	TRX200D	TE17E							3000	3000	3000	3000	3000	3000	3000			
	TRX200SX	TE03E		3250	3250	3250												
250	ATC250ES	TE04E	3500	3500	3500	3500												
	ATC250R	TB06E	3500	3750														
	ATC250SX	TE04E	3500	3500	3500													
	TRX250	TE06E	3500	3500	3500													
	TRX250	TE21E																
	TRX250EX	TE27E													3250	3250	3250	
	TRX250R	TE12E		3500														

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**HONDA (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																
			Model Year																
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011						
70	ATC70	TB03E																	
	TRX70	TE10E																	
90	TRX90/TRX90X	TE18E	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750							
110	ATC110	TB02E																	
	ATC125M	TE01E																	
125	TRX125	TE01E/5E																	
	ATC200M	TB05E																	
200	ATC200S	TB05E																	
	ATC200X	TB05E																	
	TLR200	MD19E																	
	TR200	TE11E																	
	TRX200D	TE17E																	
	TRX200SX	TE03E																	
	ATC250ES	TE04E																	
250	ATC250R	TB06E																	
	ATC250SX	TE04E																	
	TRX250	TE06E																	
	TRX250	TE21E	3250																
	TRX250EX	TE27E		3500	3500	3500	3500	3500	3500	3500	3500	3500							3500
	TRX250R	TE12E																	

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**1985-2000 Model Test RPM Data**  
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**HONDA (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
250	TRX250R	TE06E			3500	3500	3500											
	TRX250TM/TE	TE21E																
	TRX250X	TE13E			3750	3750	3500		3750	3750								
300	TRX300	TE14E				3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250
	TRX300EX	TE19E									3500	3500	3500	3500	3500	3500	3500	3500
	TRX300FW	TE15E				3250		3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250
350	ATC350X	TE08E	3500	3500														
	TRX350D	TE07E		3000	3000	3000	3000											
	TRX350FE/FM	TE25E																3250
	TRX350TE/TM	TE24E																3250
400	TRX400EX	TE23E															3500	3500
	TRX400FA/FGA	TE29E																
	TRX400FW	TE20E										3000	3000	3000	3000	3000	3000	3000
420	TRX420FA/FPA	TE37E																
	TRX420FE/FM/ FPE/FPM	TE35E																
	TRX420TM/TE	TE34E																
450	TRX450ES/S	TE22E														3125	3125	3125
	TRX450FM/FE	TE22E																
	TRX450R	TE30E																

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**HONDA (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM														
			Model Year														
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011				
250	TRX250R	TE06E															
	TRX250TM/TE	TE21E		3250	3250	3250	3250	3250	3250	3250	3250	3250		3250			
	TRX250X	TE13E															
300	TRX300	TE14E															
	TRX300EX	TE19E	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500					
	TRX300FW	TE15E															
350	ATC350X	TE08E															
	TRX350D	TE07E															
	TRX350FE/FM	TE25E	3250	3250	3250	3250	3250	3250									
400	TRX350TE/TM	TE24E	3250	3250	3250	3250	3250	3250									
	TRX400EX	TE23E	3500	3500	3500	3500	3500	3500	3500	3500	3500						
	TRX400FA/FGA	TE29E				3250	3250	3250	3250								
420	TRX400FW	TE20E	3000	3000	3500												
	TRX420FA/FPA	TE37E												3250	3250		
	TRX420FE/FM/ FPE/FPM	TE35E								3000	3000	3000	3000	3000			
450	TRX420TM/TE	TE34E								3000	3000	3000	3000	3000			
	TRX450ES/S	TE22E	3125														
	TRX450FM/FE	TE22E		3125	3125	3125											
	TRX450R	TE30E				3750	3750										

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**1985-2000 Model Test RPM Data**  
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**HONDA (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
450	TRX450R	TE32E																
500	TRX500FA/ FGA/FPA	TE26E																
	TRX500FE/ FM/TM/PE/FPM	TE31E																
	TRX500FE/ FM/TM	TE31E																
650	TRX650FA	TE28E																
	TRX650FGA	TE28E																
680	TRX680FA/FGA	TE33E																
700	MUV700	VE01E																
	TRX700XX	TE36E																

**HUSABERG (Motorcycle)**

390	FE 390 ,	805																
570	FS 570	812																
450	FE 450*, FX 450*	812																

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**2001-2011 Model Test RPM Data**  
**Supplement to MIC Stationary Sound Test Manual for Off-Highway Motorcycles, ATVs, & ROVs**

**HONDA (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM														
			Model Year														
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011				
450	TRX450R	TE32E						3750	3750	3750	3750						
500	TRX500FA/ FGA/FPA	TE26E	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250				
	TRX500FE/FM /TM/PE/FPM	TE31E						3000	3000	3000	3000	3000	3000				
	TRX500FE/ FM/TM	TE31E				3250	3250										
650	TRX650FA	TE28E			3000	3000	3000										
	TRX650FGA	TE28E				3000	3000										
680	TRX680FA/FGA	TE33E						3000	3000	3000	3000	3000	3000				
700	MUV700	VE01E										2750	2750				
	TRX700XX	TE36E									3000	3000					

**HUSABERG (Motorcycle)**

390	FE 390 ,	805											3000				
570	FS 570	812											3400				
450	FE 450*, FX 450*	812											4500				

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**1985-2000 Model Test RPM Data**  
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**KAWASAKI (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
50	KDX50-A1-3	A102																
	KDX50-A6	A102																
60	KX60-B12-16*	KX60BE											6315	6315	6315	6315	6315	
	KX60-B1-4, B9-11,B17-19*	KX060BE	6000	6000	6000	6000					6000	6000	6000					
	KX60-B6-8*	KX060BE						3750	3750	3750								
65	KD80-M7-8	KD080ME		3250	3250													
	KD80-N1-2	AR080AE				3500	3500											
	KDX80-C1-3,C5	DX080BE	5000	5000														
	KX65-A1-A6*	KX065AE															6300	
	KX65-A6-9-A-B*	KX065AE																
	KX80-E3,G1-2*	KX080EE	6000	6000	6000													
	KX80-L1-3, R1-75,T1-4*	KX080EE/RE				6000	6000	6000	6000	6000	6000	6000	6000					
85	KX80-R6-7, W1-3*	KX80RE/WE											6300	6300	6300	6300	6300	
	KX85-A1-A5*	KX085AE																
	KX85-A6-9-A-B, KX85-B6-7-A*	KX085AE																
100	KE100-B15-19	G5E201/203										3900	3900	3900	3900	3900		

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**2001-2011 Model Test RPM Data**  
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**KAWASAKI (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011					
50	KDX50-A1-3	A102			2500	2500	2500											
	KDX50-A6	A102						2500										
60	KX60-B12-16*	KX60BE																
	KX60-B1-4, B9-11, B17-19*	KX060BE	6000	6000	6000													
	KX60-B6-8*	KX060BE																
65	KD80-M7-8	KD080ME																
	KD80-N1-2	AR080AE																
	KDX80-C1-3, C5	DX080BE																
	KX65-A1-A6*	KX065AE	6000	6250	6250	6250	6250											
	KX65-A6-9-A-B*	KX065AE						6250	6250	6250	6250	6250	6250					
	KX80-E3, G1-2*	KX080EE																
	KX80-L1-3, R1-75, T1-4*	KX080EE/RE																
	KX80-R6-7, W1-3*	KX80RE/WE																
85	KX85-A1-A5*	KX085AE	6000	6000	6000	6000	6000											
	KX85-A6-9-A-B, KX85-B6-7-A*	KX085AE							6000	6000	6000	6000	6000	6000				
100	KE100-B15-19	G5E201/203																

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**1985-2000 Model Test RPM Data**  
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**KAWASAKI (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM														
			Model Year														
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
100	KE100-B20	G5E21															
	KE100-B5,7,9-14	G5E,G5E1		3750		3750			3750	3750	3750	3750	3750				
	KX100-B5-7, C1-3*	KX100BE/CE											6000	6300	6300	6300	6300
	KX100-D1-5*	KX100CE															
	KX100-D6-9-A-B*	KX100CE															
110	KLX110-A1-4	LX110AE															
	KLX110-A6-9-A	LX110AE															
	KLX110-CA-B, KLX110-DA-B	LX110AE															
125	KLX125-A1,B1	F445															
	KLX125-A6,B6	F445															
	KX125-D1,E1-2*	KX125DE	5500	5500	5750												
	KX125-F1, G1,H1-2,J1-2*	KX125FE/JE				5750	5750	5750	5750	5750	5750						
	KX125-K1-5*	KX125KE										5625	5750	5900	5900	5900	
	KX125-L1-2*	KX125KE															5800
	KX125-L3,L4*	KX125LE															
	KX125-M1-3*	KX125ME															
KX125-M6*	KX125ME																

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**2001-2011 Model Test RPM Data**  
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**KAWASAKI (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																
			Model Year																
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011						
100	KE100-B20	G5E21	3750																
	KE100-B5,7,9-14	G5E,G5E1																	
	KX100-B5-7, C1-3*	KX100BE/CE																	
	KX100-D1-5*	KX100CE	5750	5750	5750	5750	5750												
	KX100-D6-9-A-B*	KX100CE						5750	5750	5750	5750	5750	5750	5750					
110	KLX110-A1-4	LX110AE		3500	3500	3500	3500												
	KLX110-A6-9-A	LX110AE						3500	3500	3500	3500	3500							
	KLX110-CA-B, KLX110-DA-B	LX110AE											3750	3750					
125	KLX125-A1,B1	F445			4000														
	KLX125-A6,B6	F445						4000											
	KX125-D1,E1-2*	KX125DE																	
	KX125-F1, G1,H1-2,J1-2*	KX125FE/JE																	
	KX125-K1-5*	KX125KE																	
	KX125-L1-2*	KX125KE																	
	KX125-L3,L4*	KX125LE	5750	5625															
	KX125-M1-3*	KX125ME			5750	5750	5750												
KX125-M6*	KX125ME							5750											

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**1985-2000 Model Test RPM Data**  
**Supplement to MIC Stationary Sound Test Manual for Off-Highway Motorcycles, ATVs, & ROVs**

**KAWASAKI (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
140	KLX140-A8-9, KLX149A-B, KLX140-B8-9-A-B	LX140AE																
200	KDX200-A3	DX200AE	3750							6000	6000	6000						
	KDX200-C1-3	DX200CE		3500	3500	3500												
	KDX200-E1-6	DX200EE					3750	4000	4000	4000	4000	4000						
	KDX200-H1-11	DX200HE											4000	3700	3700	3700	3700	3700
	KDX200-H6	DX200HE																
220	KDX220-A4-12	DX220AE													3700	3700	3700	3700
250	KDX250-D1-4	DX250DE/FE								3750	3750	3500	3500					
	KL250-D13-17	KL250DE													3900	3900	3900	3900
	KL250-D18-22	KL250DE																
	KL250-D2-12	KL250DE	4500	4500	4250	4250	4250	4250	4250	4250	4250	4250	4250					
	KL250-G5-7 SuperSherpa	KL250GE																
	KL250-G6-7-9-A	KL250GE																
	KLX250-D1-4	LX250DE										4250	4250	4250	3900			
	KLX250-T9-A	LX250DE																
	KLX250-W9-A	LX250DE																
KX250-D1-2*	KX250DE	4200	4000															

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**2001-2011 Model Test RPM Data**  
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**KAWASAKI (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																		
			Model Year																		
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011								
140	KLX140-A8-9, KLX149A-B, KLX140-B8-9-A-B	LX140AE									4000	4000	4000	4000	4000						
200	KDX200-A3	DX200AE																			
	KDX200-C1-3	DX200CE																			
	KDX200-E1-6	DX200EE																			
	KDX200-H1-11	DX200HE	4000	4000	3500	3500	3500														
	KDX200-H6	DX200HE						3500													
220	KDX220-A4-12	DX220AE	3750	3750	3500	3500	3500														
250	KDX250-D1-4	DX250DE/FE																			
	KL250-D13-17	KL250DE																			
	KL250-D18-22	KL250DE	4250	4250	4250	4250	4250														
	KL250-D2-12	KL250DE																			
	KL250-G5-7 SuperSherpa	KL250GE	4000	4000	4000																
	KL250-G6-7-9-A	KL250GE						4000	4000			4000	4000								
	KLX250-D1-4	LX250DE																			
	KLX250-T9-A	LX250DE										4250	4250								
	KLX250-W9-A	LX250DE										4250	4250								
KX250-D1-2*	KX250DE																				

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**KAWASAKI (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																
			Model Year																
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
250	KX250-E1, F1,G1,H1-2,J1-2*	KX250EE			4250	4000	4000	4000	4000	4000	4250								
	KX250-K1-5,L1-2*	KX250KE/LE										4000	4250	3700	3700	3700	3700	3700	
	KX250-L3,L4*	KX250LE																	
	KX250-M1-2* (2Stroke)	KX250ME																	
	KX250-N1-2* (4Stroke)	KX250NE																	
	KX250-R1*	KX250RE																	
	KX250-R6-8*	KX250RE																	
	KX250-T6-8*	KX250TE																	
	KX250-W9-A*	KX250WE																	
	KX250-XA*	KX250XE																	
KX250-YB*	KX250YE																		
300	KLX300-A2-5	LX300AE													3900	3900	3900	3900	
	KLX300-A6-10	LX300AE																	
	KLX300-A6-7	LX300AE																	
400	KLX400-A1L	K419																	
	KLX400-B1	K417																	
450	KLX450-A8-9-A-B	LX450AE																	

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**2001-2011 Model Test RPM Data**  
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**KAWASAKI (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011					
250	KX250-E1, F1,G1,H1-2,J1-2*	KX250EE																
	KX250-K1-5,L1-2*	KX250KE/LE																
	KX250-L3,L4*	KX250LE	4250	4250														
	KX250-M1-2* (2Stroke)	KX250ME			4250	4250												
	KX250-N1-2* (4Stroke)	KX250NE				5500	5500											
	KX250-R1*	KX250RE				4500												
	KX250-R6-8*	KX250RE					4500	4500	4500									
	KX250-T6-8*	KX250TE					5750	5750	5750									
	KX250-W9-A*	KX250WE									5750	5750						
	KX250-XA*	KX250XE										5750						
KX250-YB*	KX250YE											5750						
300	KLX300-A2-5	LX300AE																
	KLX300-A6-10	LX300AE	3500	3500	3500	3500	3500											
	KLX300-A6-7	LX300AE						3500	3500									
400	KLX400-A1L	K419			3750													
	KLX400-B1	K417			4000													
450	KLX450-A8-9-A-B	LX450AE								3750	3750	3750	3750					

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**1985-2000 Model Test RPM Data**  
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**KAWASAKI (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
450	KX450-D6-8*	KX450DE																
	KX450-E9-A-B*	KX450EE																
500	KX500-B1-2, C1,D1,E1-7*	KX500BE	3500	3250	3500	3500	3500	3500	3500	3500	3500	3500	3500					
	KX500-E13-16*	KX500BE																
	KX500-E8-12*	KX500BE												3200	3200	3200	3200	
600	KL600-B1-2	KL600AE	3500	3500														
650	KL650-A10-14KLR	KL650KE												3000	3000	3000	3000	
	KL650-A15L-A17L	KL650AE																
	KL650-A1-9,B2KLR	KL650AE/A			3250	4250	N/A	3250	3250	3250	3250	3250						
	KL650-A6-7	KL650AE																
	KL650-E8-9	KL650AE																
	KLX650-C1-4,D1	LX650AE										3250	3250	3250	3000			
	KLX650R-A1-3	LX650AE										3250	3250	3250				

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**2001-2011 Model Test RPM Data**  
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**KAWASAKI (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011					
450	KX450-D6-8*	KX450DE						4250	4250	4250								
	KX450-E9-A-B*	KX450EE										4000	4000	4000				
500	KX500-B1-2, C1, D1, E1-7*	KX500BE																
	KX500-E13-16*	KX500BE	3500	3500	3500	3500												
	KX500-E8-12*	KX500BE																
600	KL600-B1-2	KL600AE																
650	KL650-A10-14KLR	KL650KE																
	KL650-A15L-A17L	KL650AE	3250	3250	3250													
	KL650-A1-9,B2KLR	KL650AE/A																
	KL650-A6-7	KL650AE						3250	3250									
	KL650-E8-9	KL650AE									3250	3250	3250					
	KLX650-C1-4, D1	LX650AE																
	KLX650R-A1-3	LX650AE																

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**1985-2000 Model Test RPM Data**  
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**KAWASAKI (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM														
			Model Year														
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
50	KSF50-A1	A110															
	KSF50-A6	A110															
	KSF50-B7-9	WA10															
80	KSF80-A1	C113															
	KSF80-A6	C113															
90	KSF90-A7-9	WA20															
110	KLF110-A1-2,B	LT110AE			4250	4250											
	KLT110-A2-3	LT110AE	4250	4250													
160	KLT160-A1	LT160AE	3750														
185	KLF185-A1-4	LF185AE	3500	3500	3500	3500											
	KLT185-A1-2	LF185AE		3500	3500												
220	KLF220-A1-8	LF220AE/BE				3500	3500	3750	3750	3750	3750	3750					
	KLF220-A9-15	LF220AE											3450	3450	3450	3450	3450
250	KLF250-A1-3	LF250AE															
	KLF250-A6-9-A-B	LF250AE															
	KLT250-C3	KZ250RE	3750														
	KSF250-A10-14	SF250AE											3600	3600	3600	3600	3600
	KSF250-A1-9, 15-18	SF250AE			4000	4000	4000	4000	4000	4000	4000	4000					
	KXT250-A2	XDT250CE	4250														

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**2001-2011 Model Test RPM Data**  
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**KAWASAKI (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																
			Model Year																
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011						
50	KSF50-A1	A110			2500														
	KSF50-A6	A110						2500											
	KSF50-B7-9	WA10							3750	3750	3750								
80	KSF80-A1	C113			3500														
	KSF80-A6	C113						3500											
90	KSF90-A7-9	WA20								3750	3750	3750							
110	KLF110-A1-2,B	LT110AE																	
	KLT110-A2-3	LT110AE																	
160	KLT160-A1	LT160AE																	
185	KLF185-A1-4	LF185AE																	
	KLT185-A1-2	LF185AE																	
220	KLF220-A1-8	LF220AE/BE																	
	KLF220-A9-15	LF220AE	3750	3750															
250	KLF250-A1-3	LF250AE			3500	3500	3500												
	KLF250-A6-9-A-B	LF250AE							3500	3500	3500	3500	3500	3500					
	KLT250-C3	KZ250RE																	
	KSF250-A10-14	SF250AE																	
	KSF250-A1-9, 15-18	SF250AE	4000	4000	4000	4000													
	KXT250-A2	XDT250CE																	

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**KAWASAKI (ATV)**

Test RPM

Engine size (in cc)	Model	Engine Prefix	Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
			250	KXT250-B1-2	KX250DE		3750	3750										
300	KEF300-A1-6	EF300AE											3500	3200	3200	3200	3200	3200
	KEF300-B1,B2,B4	EF300AE																
	KEF300-B3	EF300AE																
	KLF300-A1-2,B1	LF300AE		3500	3500	3500												
	KLF300-B14-18	LF300AE																
	KLF300-B2-7,C1-7	LF300AE					3250	3250	3250	3250	3250	3250						
	KLF300-B9-13, C8-12	LF300AE												3000	3000	3000	3000	3000
	KLF300-C13-17	LF300AE																
	KVF300-A1-2,B1-2	VF300AE															3200	3200
KVF300-A3-4	VF300AE																	
360	KVF360-A1-3, B1-3,C1-3	VF360AE																
	KVF360-A6-9-A-B	VF360AE																
	KVF360-B6-9	VF360AE																
	KVF360-C6-9-A-B	VF360AE																
400	KLF400-B4,B6-7	LF400AE										3000	3500	6000		6000	6000	
	KSF400-A1L	K428																
	KVF400-A1-2,C1-2	VF400AE													6500	6500	6500	6500

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**KAWASAKI (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																
			Model Year																
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011						
250	KXT250-B1-2	KX250DE																	
300	KEF300-A1-6	EF300AE																	
	KEF300-B1,B2,B4	EF300AE	3500	3500		3500													
	KEF300-B3	EF300AE			3250														
	KLF300-A1-2,B1	LF300AE																	
	KLF300-B14-18	LF300AE	3250	3250	3250	3250	3250												
	KLF300-B2-7,C1-7	LF300AE																	
	KLF300-B9-13, C8-12	LF300AE																	
	KLF300-C13-17	LF300AE	3250	3250	3250	3250	3250												
	KVF300-A1-2,B1-2	VF300AE																	
	KVF300-A3-4	VF300AE	3500	3500															
360	KVF360-A1-3, B1-3,C1-3	VF360AE			3500	3500	3500												
	KVF360-A6-9-A-B	VF360AE						3500	3500	3500	3500	3500	3500						
	KVF360-B6-9	VF360AE						3500	3500	3500	3500								
	KVF360-C6-9-A-B	VF360AE						3500	3500	3500	3500	3500	3500						
400	KLF400-B4,B6-7	LF400AE																	
	KSF400-A1L	K428			3500														
	KVF400-A1-2,C1-2	VF400AE																	

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**KAWASAKI (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
400	KVF400-B1,D1-2	VF400AE														6500	6500	6500
450	KSF450-B8-9-A-B	SF450BE																
650	KVF650-A1-2,D1	VF650AE																
	KVF650-B2,E1	VF650AE																
	KVF650-D6-9-A-B	VF650AE																
	KVF650-E6-9	VF650AE																
	KVF650-F6-9-A-B	VF650AE																
	KVF650-G6-9-A-B	VF650AE																
	KVF650-H7-8	VF650AE																
700	KSV700-A1-2,B1-2	SV700AE																
	KSV700-A6-9	SV700AE																
	KSV700-B6-8-A	SV700AE																
	KSV700-C6	SV700AE																
	KVF700-A1-2, B1,D1	VF700AE																
	KVF700-A6	VF700AE																
	KVF700-D6	VF700AE																
750	KRF750-G9,H9, J9, K9, L9, M9	VF750DE																

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**KAWASAKI (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																	
			Model Year																	
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011							
400	KVF400-B1,D1-2	VF400AE																		
450	KSF450-B8-9-A-B	SF450BE									3750	3750	3750	3750						
650	KVF650-A1-2,D1	VF650AE		3250	3250		3250													
	KVF650-B2,E1	VF650AE			3250		3250													
	KVF650-D6-9-A-B	VF650AE						3250	3250	3250	3250	3250	3250	3250						
	KVF650-E6-9	VF650AE						3250	3250	3250	3250									
	KVF650-F6-9-A-B	VF650AE						3750	3750	3750	3750	3250	3250							
	KVF650-G6-9-A-B	VF650AE						3750	3750	3750	3750	3250	3250							
	KVF650-H7-8	VF650AE							3750	3750										
	700	KSV700-A1-2,B1-2	SV700AE				3250	3250												
KSV700-A6-9		SV700AE						3250	3250	3250	3250									
KSV700-B6-8-A		SV700AE						3250	3250	3250	3250	3250								
KSV700-C6		SV700AE						3250												
KVF700-A1-2, B1,D1		VF700AE				3250	3250													
KVF700-A6		VF700AE						3250												
KVF700-D6		VF700AE						3250												
750	KRF750-G9,H9, J9, K9, L9, M9	VF750DE										3250								

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**KAWASAKI (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
750	KRF750-NA-B, TA,PA-B,RA-B, SA-B,TB,VB	VF750DE																
	KVF750-A1,B1	VF750AE																
	KVF750-A6-7	VF750AE																
	KVF750-B6-7	VF750AE																
	KVF750-C6-7	VF750AE																
	KVF750-D8-9-A-B,E8-9-A	VF750DE																
	KVF750-F8-A-B	VF750DE																

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**KAWASAKI (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011					
750	KRF750-NA-B, TA,PA-B,RA-B, SA-B,TB,VB	VF750DE											3250	3250				
	KVF750-A1,B1	VF750AE					3250											
	KVF750-A6-7	VF750AE						3250	3250									
	KVF750-B6-7	VF750AE						3250	3250									
	KVF750-C6-7	VF750AE						3250	3250									
	KVF750-D8-9-A-B,E8-9-A	VF750DE									3250	3250	3250	3250				
	KVF750-F8-A-B	VF750DE										3250		3250	3250			

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**KTM (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
50	50Jr/SrAdventure*	450																
	50Jr/Sr/MiniAdventure*	450																4800
	50SXProJunior*	450																
	50SXProSenior*	451																
	50SXProJunior*, SXMini*	450,452																
	Adventure, SXMiniAdv*	450													4500	4500	4500	4500
	SX*	450									4800	4800	4800	4800				
	SX3*	450										4500		4500				
	SXR,SXRP*, SXRPRO,Jr/Sr*	450												4800	4800	4800	4800	4800
65	65SX*	460462																
	65XC*	460																
	65SX*	460													4750	4750	4750	
80	MX*	490			6000	6000												
	MX*	490				5750	5750											
85	85SX*	490																
105	105SX*	490																
125	125SX*	503																

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**KTM (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011					
50	50Jr/SrAdventure*							4800	4800									
	50Jr/Sr/MiniAdventure*	4504800	4800	4800	4800	4800	4800											
	50SXProJunior*	450	4800	5100	5100	5100	5100											
	50SXProSenior*	451	5100	5100	5100	5100	5100	5100	5100	5100	5100	5100	5100					
	50SXProJunior*, SXMini*	450,452						5100	5100	5100	5100	5100	5100					
	Adventure, SXMiniAdv*	450																
	SX*	450																
	SX3*	450																
65	SXR, SXRPro*, SXRPROJr/Sr*	450																
	65SX*	460462						4750	4750	4750	4750	4750	4750					
	65XC*	460								4500	4500							
80	65SX*	460	4750	4750	4750	4750	4750											
	MX*	490																
85	MX*	490																
	85SX*	490				4725	4725											
105	105SX*	490				4725	4725											
125	125SX*	503						5600	5600	5600	5600							

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**KTM (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
125	DXC*	502						5750										
	MX*	502				5600	5600	5750	5750	5750								
	MX*,MXC*	500	4900	4900	4900													
	MXC*	502				5600												
	SIXDAY*	502										5500		5500				
	SX*,EXC*	502503									5600	5600	5600	5600	5600	5600	5600	5600
144	144SX*,150SX*, 150XC*	515																
200	200EXC*,XC*, XC-W*	523																
	EXC*,MXC*, JackPiner*	523													4000	4000	4000	4000
250	250SX*	546,548																
	DXC*	545546				4100	4100	4075	4075	4075								
	EXC*	546						4015	4015	4015		4000	4000	4000	4000	4000	4000	3750
	MX*	543	3700	3900	4025													
	MX*	545546				4100	4100	4075	4075	4075								
	MXC*	542546	3700	3900												4000	4000	3750
	SIXDAY*	546						4015					3750					
	SX*	546									4075	4075	4075	4075	4075	4075	4075	3750

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**KTM (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM														
			Model Year														
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011				
125	DXC*	502															
	MX*	502															
	MX*,MXC*	500															
	MXC*	502															
	SIXDAY*	502															
	SX*,EXC*	502503	5600	5600	5600	5600	5600										
144	144SX*,150SX*,150XC*	515							5200	5200	5200	5200	5200				
200	200EXC*,XC*,XC-W*	523						4000	4000	4000	4000	4000	4000				
	EXC*,MXC*,JackPiner*	523		4000	4000	4000											
250	250SX*	546,548						3750	3750	3750	3750	3750	3750				
	DXC*	545546															
	EXC*	546	3750	3750	3750	3750	3750										
	MX*	543															
	MX*	545546															
	MXC*	542546	3750														
	SIXDAY*	546															
	SX*	546	3750	3750	3750	3750	3750										

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**KTM (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
250	SX-F*	770771																
	TXC	546									3750							
	XC*,XC-W*	548																
	XC-F*,XC-F-W*	770771																
300	300EXC*	547																
	DX*,MX*,SX*	556						4025	4025	4025								
	EXC*	556						3965	3965	3965	3550	3550	3550	3550	3550	3550	3550	
	EXC*/MXC*	547																
	MXC*	556									3550	3550	3550	3550	3550	3550	3550	
	TXC	556							3965	3965	3965							
	XC*,XC-W*	556549																
350	EXC*	555					3600	3600										
	MX*,MXC*	555	3700	3600	4025	3250	3250											
	SX-F,XC-F*	772																
360	SX*,EXC*,MXC*	547											3600	3600				
380	EXC*,MXC*,SX*	547													3550	3550	3550	
400	EXC*	576595										3800	3800	3800	3800	3500	3500	3500
	LC4	575																
	LC4EXC*, RXC,RXCe	576											3500	3500	3500	3500	3500	

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**KTM (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM														
			Model Year														
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011				
250	SX-F*	770771						5200	5200	5200	5200	5200	5200				
	TXC	546															
	XC*,XC-W*	548						3750	3750	3750	3750	3750	3750				
	XC-F*,XC-F-W*	770771							4800	4800	4800	4800	4800				
300	300EXC*	547						3550	3550	3550	3550						
	DX*,MX*,SX*	556															
	EXC*	556															
	EXC*/MXC*	547	3550	3550	3550	3550	3550										
	MXC*	556															
	TXC	556															
	XC*,XC-W*	556549						3550	3550	3550	3550	3550	3550				
	350	EXC*	555														
MX*,MXC*		555															
SX-F,XC-F*		772														5000	
360	SX*,EXC*,MXC*	547															
380	EXC*,MXC*,SX*	547	3550	3550													
400	EXC*	576595															
	LC4	575	3500														
	LC4EXC*, RXG,RXCe	576															

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**KTM (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
400	MXC*Racing	595																
	SX*,EXC*Racing	595																
	SX*,TXC	576														3500		
	XC-W*	595																
440	EXC*,MXC*	565										3250	3250					
450	450EXC	595,780																
	450EXCRacing*, SX*,XCRacing*, XC*,XC-W*	595,773																
	450SMR*,SMC*	595																
	450XC-Wsix Days*	780																
	SX*,MXC*, EXC*Racing	595																
500	GS	565	3250	2950														
	MX/MXC*	565	3250	2950	4025	2950	2950	4450	4450									
	SX*	565								3250								
505	505SX*	592																
	505SX-F*,XC-F*	773																
540	DXC*	565						4375	4375									
550	DXC*,E550MXC*	565								3250	3250	3250	3250	3250				

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**KTM (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																
			Model Year																
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011						
400	MXC*Racing	595	4625	4625															
	SX*,EXC*Racing	595	4625	4625		4625	4625												
	SX*,TXC	576																	
	XC-W*	595					4625	4625			4625	4625							
440	EXC*,MXC*	565																	
450	450EXC	595,780							3400	3400	3400	3400	3400						
	450EXCRacing*, SX*,XCRacing*, XC*,XC-W*	595,773						4625	4625	4625	4625	4625	4625						
	450SMR*,SMC*	595						4625	4625	4625									
	450XC-Wsix Days*	780																	3400
	SX*,MXC*, EXC*Racing	595			4625	4625	4625												
500	GS	56																	
	MX/MXC*	565																	
	SX*	565																	
505	505SX*	592								4600	4600								
	505SX-F*,XC-F*	773								4625	4625	4625							
540	DXC*	565																	
550	DXC*,E550MXC*	565																	

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**1985-2000 Model Test RPM Data**  
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**KTM (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
560	560SMR*	590																
625	625SXC	584																
	625SMC*	584																
640	LC4DUAL	584														3450	3450	
	LC4Supermoto*	584																
	LC4, LC4ADVENTURER	584														3450	3450	
	LC4Supermoto	584																
690	SM,Enduro, Duke,SMC																	
	SM,Enduro, Duke,SMC	765																
950	LC8Adventure	600																
	Adventure, AdventureS, Supermoto, SuperEnduro	600																
990	Adventure, AdventureS, SuperDuke, SuperDukeR	600,601																

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**KTM (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																
			Model Year											2012	2013	2014	2015	2016	
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011						
560	560SMR*	590						4600	4600										
625	625SXC	584				3450	3450												
	625SMC*	584						3450											
640	LC4DUAL	584																	
	LC4Supermoto*	584	3450	3450		3450	3450												
	LC4, LC4ADVENTURER	584	3450	3450	3450		3450												
	LC4Supermoto	584						3450											
690	SM,Enduro, Duke,SMC									3425	3425	3425	3425						
	SM,Enduro, Duke,SMC	765																	3425
950	LC8Adventure	600				4750	4750												
	Adventure, AdventureS, Supermoto, SuperEnduro	600							4750	4750	4750	4750							
990	Adventure, AdventureS, SuperDuke, SuperDukeR	600,601								4750	4750	4750	4750	4750					

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**KTM (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
990	SuperMotoR, SupermotoT	626																
1190	RC8,RC8R	693																
520/525	SX*,MXC*, EXC* Racing	590																
525/529	525,530EXC, XC-W*	590,786																
525/530	EXCRacing*,SX*, XCRacing*,SMC*	590																
600/620	EXC*/DXC* MX/MXC*	580				4000	4000	4000	4000	4000	4000							
600/621	LC4EXC*/ RXC*/RXCe*	583										3625	3625	3625	3625	3625		
600/622	SX*/TXC	583											3625	3625	3625			
85/105	85SX*,105SX*	490,470,475																
85/106	85XC*,105XC*	490																

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**KTM (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																
			Model Year																
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011						
990	SuperMotoR, SupermotoT	626													4500				
1190	RC8,RC8R	693									4750	4750	4750	4750					
520/525	SX*,MXC*, EXC*Racing	590	4600	4600	4600	4600	4600												
525/529	525,530EXC, XC-W*	590,786								3380	3380	3380	3380	3380					
525/530	EXCRacing*,SX*, XCRacing*,SMC*	590						4600	4600	4600	4600								
600/620	EXC*/DXC* MX/MXC*	580																	
600/621	LC4EXC*/ RXC*/RXCe*	583																	
600/622	SX*/TXC	583																	
85/105	85SX*,105SX*	490,470,475							4725	4725	4725	4750	4750	4750					
85/106	85XC*,105XC*	490									4450	4450							

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**KTM (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
450	XC-ATV	830																
525	XC-ATV	831																
450	SX-ATV	835																
505	SX-ATV	836																

**KYMCO (ATV)**

50	Mongoose 50	LA10																
70	Mongoose 70	LA15																
90	Mongoose 90	LA20																
	Mongoose 90 R	LA20																
150	MXU 150	LA30																
250	Mongoose 250	LA50																
	MXU 250	LB50																
300	Mongoose 300	LA60																
	MXU 300	LB60																
375	MXU 375	LA70																
	Maxxer 375	LB70																
500	MXU 500	LAA																
	MXU 500 IRS	LAA																

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**KTM (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year											2012	2013	2014	2015	
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011					
450	XC-ATV	830									3400	3400						
525	XC-ATV	831									3400	3400						
450	SX-ATV	835											3800					
505	SX-ATV	836											3600					

**KYMCO (ATV)**

50	Mongoose 50	LA10								3750	3750	3750						
70	Mongoose 70	LA15								3750	3750	3750						
90	Mongoose 90	LA20								3750	3750							
	Mongoose 90 R	LA20										3750	3750	3750				
150	MXU 150	LA30								3875	3875	3875	3875	3875				
250	Mongoose 250	LA50								3500	3500	3500						
	MXU 250	LB50								3500	3500	3500						
300	Mongoose 300	LA60								3750	3750	3750	3750	3750				
	MXU 300	LB60								3750	3750	3750	3750	3750				
375	MXU 375	LA70									3250	3250	3250	3250				
	Maxxer 375	LB70											3250	3250				
500	MXU 500	LAA								3250	3250	3250						
	MXU 500 IRS	LAA											3250	3250				

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**POLARIS (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
50	Predator50/ Scrambler50	AR03-01																
	Predator50- 2Stroke	AR03-01																
	Predator50- 4Stroke	RF3KA05																
	Outlaw50-4Stroke	RF3KA05																
90	Predator90	AR07																
	Scrambler90	AR07-01																
	Sportsman90	AR07																
	Outlaw90-4Stroke	RF3KA09																
	Predator90- 2Stroke	AR07																
	Sportsman90- 2Stroke	AR07																
	Sportsman90- 4Stroke	RF3KA09																
170	RZR170	AC11																
200	Phoenix200	V39																
	Sawtooth200	V39																

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**POLARIS (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011					
50	Predator50/Scrambler50	AR03-01	3750	3750	3750	3000	3000											
	Predator50-2Stroke	AR03-01						3000										
	Predator50-4Stroke	RF3KA05							3750									
	Outlaw50-4Stroke	RF3KA05									3750	3750	3750	3750				
90	Predator90	AR07			3750	3000	3000											
	Scrambler90	AR07-01	3750	3750	3750													
	Sportsman90	AR07	3750	3750	3750	3000	3000											
	Outlaw90-4Stroke	RF3KA09								4000	4000	4000	4000	4000				
	Predator90-2Stroke	AR07							3000									
	Sportsman90-2Stroke	AR07							3000									
	Sportsman90-4Stroke	RF3KA09								4000	4000	4000	4000					
170	RZR170	AC11										3500	3500	3500				
200	Phoenix200	V39					3750	3750	3750	3750		3750	3750					
	Sawtooth200	V39						3750	3750									

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**POLARIS (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
250	Cyclone				3750													
	Scrambler		3000	3000														
	TrailBoss250, 2X4,4X4	ALL			3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
	TrailBlazer	EC25PF 07/09/11						3000	3000	3000	3000	3000	3000			3000	3000	3000
	TrailBlazerES	EC25PFE09											3000	3000				
	TrailBlazer	EC25PFE15																
	Xplorer4x4	EC25PFE15																
300	2X4300,4X4300	EC28PFE01										2750	2750					
	Xplorer300	EC28PFE 01/02												2750	2750	2750	2750	
	Xpress300	EC28PFE 01/02												2750	2750	2750	2750	
	Hawkeye300	ES30P																
	Sportsman300	ES30P																
325	Magnum325	ES32PFE 01/04/05																3000
	TrailBoss325	ES32PFE 01/04/05/09																3000

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**POLARIS (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM														
			Model Year														
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011				
250	Cyclone																
	Scrambler																
	TrailBoss250, 2X4,4X4	ALL															
	TrailBlazer	EC25PF 07/09/11															
	TrailBlazerES	EC25PFE09															
	TrailBlazer	EC25PFE15	3000	3000	3000	3000	3000	3000									
	Xplorer4x4	EC25PFE15	3000	3000													
300	2X4300,4X4300	EC28PFE01															
	Xplorer300	EC28PFE 01/02															
	Xpress300	EC28PFE 01/02															
	Hawkeye300	ES30P							3375	3375							
	Sportsman300	ES30P									3375	3375	3375				
325	Magnum325	ES32PFE 01/04/05															
	TrailBoss325	ES32PFE 01/04/05/09	3000	3000													

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**POLARIS (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
325	Magnum325 2X4, 4X4	ES32PFE08																
	Xpedition325	ES32PFE03																
330	ATP330	ES32P10																
	Magnum330 2X4, 4X4	ES32P10																
	Magnum3302X4	ES32P10																
	Magnum3304X4	ES32P10																
	TrailBoss330	ES32P10																
	TrailBlazer330	ES32P10																
335	Sportsman335	ES33PFE 01/02															3000	3000
350	TrailBoss2X4	EC35PL02						2900	2900	2900								
	TrailBoss4X4	EC35PL02						2900	2900	2900	2900							
400	2X4400L	EC38PLE01										2750	2750					
	4X4400L	EC38PLE01										2750						
	Scrambler 4X4/400L	EC38PLE 03/05/07/09											2850	2850	2850	2850	2850	2850
	Scrambler400 2X4,4X4	EC38PLE09																

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**POLARIS (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011					
325	Magnum325 2X4, 4X4	ES32PFE08	3000	3000														
	Xpedition325	ES32PFE03	3000	3000														
330	ATP330	ES32P10					3375											
	Magnum330 2X4, 4X4	ES32P10			3375	3375	3375											
	Magnum3302X4	ES32P10						3375							3375			
	Magnum3304X4	ES32P10						3375										
	TrailBoss330	ES32P10			3375	3375	3375	3375	3375	3375	3375	3375						
	TrailBlazer330	ES32P10									3375	3375	3375	3375				
335	Sportsman335	ES33PFE 01/02																
350	TrailBoss2X4	EC35PL02																
	TrailBoss4X4	EC35PL02																
400	2X4400L	EC38PLE01																
	4X4400L	EC38PLE01																
	Scrambler 4X4/400L	EC38PLE 03/05/07/09																
	Scrambler400 2X4,4X4	EC38PLE09	3000	3000														

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**POLARIS (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																
			Model Year																
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
400	Sport400/400L	EC38PLE 03/05/07/09											2850	2850	2850	2850	2850		
	Sportsman 4X4/400L	EC38PLE0 1/04/06											2750	2750	2750	2750			
	Sportsman400	EH42P05																	
	TrailBlazer400	EC38PLE																	
	Xplorer4X4/400L/400	EC38PLE												2750	2750	2750	2750	2750	2750
	Xpress400L	EC38PLE 04/06													2750	2750			
425	Magnum2X4	EH42PLE 01/02												3000	3000	3000	3000		
	Magnum4X4	EH42PLE 01/02												3000	3000	3000	3000		
	Xpedition425	EH42PLE04																3000	
500	ATP500	EH50P20																	
	Diesel	DW46PLE 01/02																2000	2000
	Magnum 500/RMK	EH50P04/08																3000	3000

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**POLARIS (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																
			Model Year																
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011						
400	Sport400/400L	EC38PLE 03/05/07/09																	
	Sportsman 4X4/400L	EC38PLE0 1/04/06																	
	Sportsman400	EH42P05	3000	3000	3000	3000	3000												
	TrailBlazer400	EC38PLE			3000														
	Xplorer4X4/ 400L/400	EC38PLE	2750	2750															
	Xpress400L	EC38PLE 04/06																	
425	Magnum2X4	EH42PLE 01/02																	
	Magnum4X4	EH42PLE 01/02																	
	Xpedition425	EH42PLE04	3000	3000															
500	ATP500	EH50P20				3250	3250												
	Diesel	DW46PLE 01/02	2000	2000															
	Magnum 500/RMK	EH50P04/08	3000	3000	3000	3000	3000												

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**POLARIS (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
500	Predator500	ES50P01																
	Scrambler500	EM50PLE 02/04													3250	3250	3250	3250
	Sportsman500	EM50PLE 01/05/07/09												3000	3000	3000	3000	3000
	Scrambler500 2x4	EH50PLE12																
	Scrambler500 4x4	EH50P02/04																
	Sportsman500HO	EH50P13																
	Sportsman6x6	EH50P10																
	Xplorer500	EM50PLE07													3000			
	ATP500	EH50P20																
	Predator500	ES50P01																
	Outlaw500	ES50P04																
	Scrambler5004x4	EH50P04																
	Sportsman 500EFI/500EFI Touring/500EFIX2	EH50P21																
Sportsman500H.O.	EH50P13																	

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**POLARIS (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																	
			Model Year																	
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011							
500	Predator500	ES50P01			4000	4000	4000													
	Scrambler500	EM50PLE 02/04																		
	Sportsman500	EM50PLE 01/05/07/09																		
	Scrambler500 2x4	EH50PLE12	3250	3250																
	Scrambler500 4x4	EH50P02/04	3150	3150	3150	3150	3150													
	Sportsman500HO	EH50P13	3150	3150	3150	3150	3150													
	Sportsman6x6	EH50P10	3000	3000	3000	3000	3000													
	Xplorer500	EM50PLE07																		
	ATP500	EH50P20							3250										3250	
	Predator500	ES50P01							4000	4000										
	Outlaw500	ES50P04							4000	4000										
	Scrambler5004x4	EH50P04							3150	3150	3150	3150	3150							
	Sportsman 500EF1/500EF1																			
	Touring/500EFIX2	EH50P21							3250	3250	3250	3250	3250	3250						
Sportsman500H.O.	EH50P13							3150		3150	3150	3150	3250							

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**POLARIS (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
500	Sportsman500 6x6	EH50P10																
	Ranger500	EH500PLE																
525	Outlaw525	ES051KLE																
550	Sportsman550	ES550PLE																
	Sportsman550X2	ES550PLE																
	Sportsman550 Touring	ES550PLE																
600	Sportsman600	EH59P11																
700	Sportsman700	EH68P15																
	Sportsman700EF	EH68P21																
	Sportsman700EFI/ EFI Touring	EH680PLE																
	Ranger700	EH680PLE																
800	Sportsman800EFI	EH76																
	Sportsman800/ 800X2/800Touring	EH076OLE																
	Sportsman8006x6	EH076OLE																

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**POLARIS (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011					
500	Sportsman500 6x6	EH50P10						3000	3000	3000				3250				
	Ranger500	EH500PLE									3000	3000	3000					
525	Outlaw525	ES051KLE								4000	4000	4000	4000	3000				
550	Sportsman550	ES550PLE											3250	3250	4000			
	Sportsman550X2	ES550PLE												3250	3250			
	Sportsman550 Touring	ES550PLE												3250	3250			
600	Sportsman600	EH59P11			3000	3000	3000											
700	Sportsman700	EH68P15		3000	3000	3000	3000											
	Sportsman700EF	EH68P21				3000	3000											
	Sportsman700EFI/ EFI Touring	EH680PLE							3000	3000	3000				3250			
	Ranger700	EH680PLE							2750	2750	2750	2750						
800	Sportsman800EFI	EH76					3000											
	Sportsman800/ 800X2/800Touring	EH076OLE							3000	3000	3000	3000	3000					
	Sportsman8006x6	EH076OLE											2875	2875	3150			

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**POLARIS (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
800	Ranger800 6x6/800HD/ 800Crew	EH076OLE																
	Ranger800XP	EH076OLE																
	RZR800	EH076OLE																
	RZRS/S4	EH076OLE																
850	Sportsman850/ 850Touring/850x2	EH0850LE																
875	RZRXP	ES0870LE																
400/450	Outlaw450MXR	ES051KLE																
400/451	Sportsman400/450	EH460PLE																
400/452	Ranger400	EH460PLE																

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**POLARIS (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																
			Model Year																
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011						
800	Ranger800 6x6/800HD/ 800Crew	EH076OLE											2875	3050					
	Ranger800XP	EH076OLE											2950	2875					
	RZR800	EH076OLE									3050	3050	3050	2950					
	RZRS/S4	EH076OLE										3150	3150	3050					
850	Sportsman850/ 850Touring/850x2	EH0850LE											3500	3500	3150				
875	RZRXP	ES0870LE													3500				
400/450	Outlaw450MXR	ES051KLE									4250	4250	4250	3375					
400/451	Sportsman400/450	EH460PLE						3250	3250	3250	3250	3250							
400/452	Ranger400	EH460PLE											3250	3250					

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**SUZUKI (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																	
			Model Year																	
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000		
50	JR50	A102	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	2500	2500	2500	2500	2500	
60	RM60*	KX060BE/CE																		
65	RM65*	KX65B																		
70	DR-Z70	B401																		
80	DS80,JR80	C106,A102	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750
	RM80*	D101	6000	6000																
	RM80*	D104/E106			6250	6250	6000													
	RM80*	D106						6000	6000	6000	6000	6000	6000	6000	6125	6125	6125	6125	6125	6125
85	RM85*,RM85L*	D107																		
100	RM100*	KX100CE																		
	DR100	E403	4750	4750	4750	4750	4750	4750	4750											
110	DR-Z110	LX110A, LX110BE																		
125	DR125,DR125SE	F413,F417		4750	4750	4750						4750	4750	4650						
	DR-Z125, DR-Z125L	F445																		
	RM125*	F108	5625	5625																
	RM125*	F113,F114, F134			5750	5750	5750	5750	5750	5750	5750	5750	5750	5750	5750	5750	5750	5750	5750	5750
	SP125	F413		4750	4750	4750														

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**SUZUKI (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																	
			Model Year																	
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011							
50	JR50	A102	2500	2500	2500	2500	2500	2500												
60	RM60*	KX060BE/CE			5250	5250														
65	RM65*	KX65B			6250	6250	6250	6250												
70	DR-Z70	B401									4000	4000	4000							
80	DS80,JR80	C106,A102	3750	3750	3750	3750	3750													
	RM80*	D101																		
	RM80*	D104/E106																		
	RM80*	D106	6125																	
85	RM85*,RM85L*	D107		6000	6000	6000	6000	6000	6000	6000	6000	6000	6000							
100	RM100*	KX100CE				5750														
	DR100	E403																		
110	DR-Z110	LX110A,																		
		LX110BE			3500	3500		3500												
125	DR125,DR125SE	F413,F417																		
	DR-Z125, DR-Z125L	F445			4000	4000	4000													
	RM125*	F108																		
	RM125*	F113,F114, F134	5750	5750	5750	5750	5750													
	SP125	F413																		

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**SUZUKI (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM														
			Model Year														
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
125	DR-Z125, DR-Z125L	F445															
	RM125*	F134															
200	DR200,DR200SE, SP200	H401/H402		4250	4250	4250							4250	4250	4250	4250	4250
	DR200SE	H402															
250	DR250,SP250	J402,J401	4250														
	DR250,DR250SE	J419						4100	4100	4100	4100	4100	4100				
	DR-Z250	J428															
	RM250*	J102,J106, J110,J115,J119											4000	4000	4000	4000	4000
	RMX250	J111					3250	3250	3250	3250							
	RMX250	J112									3750	3750	3750	3750	3750	3750	
	RM-Z250*	KX250NE															
	RM-250*	J119															
	RM-Z250*	KX250NE, J442															
350	DR350	K404						4000	4000	4000	4000	4000	4000	4000	4000	4000	
	DR350SE	K404						4000	4000	4000	4000	3800	3800	3800	3800	3800	

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**SUZUKI (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM														
			Model Year														
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011				
125	DR-Z125, DR-Z125L	F445						4000	4000	4000	4000	4000	4000				
	RM125*	F134						5750	5750	5650							
200	DR200,DR200SE, SP200	H401/H402	4250	4250	4250	4250	4250										
	DR200SE	H402						4250	4250	4250	4250	4250	4250				
250	DR250,SP250	J402,J401															
	DR250,DR250SE	J419															
	DR-Z250	J428	4000	4000	4000	4000	4000	4000	4000								
	RM250*	J102,J106, J110,J115,J119	4000	4000	4000	4000	4000										
	RMX250	J111															
	RMX250	J112															
	RM-Z250*	KX250NE				5500	5500										
	RM-250*	J119						4000	4000	4000							
	RM-Z250*	KX250NE, J442						5500	5500	5500	5500						
	RM-Z250*	J445											5750	5750			
350	DR350	K404															
	DR350SE	K404															

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**SUZUKI (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
400	DR-Z400, DRZ400E	K416/K417																4000
	DR-Z400S, DR-Z400E	K419																3750
	DRZ400/E	K417,K419																
	DRZ400S/E, DRZ400S/SM	K419																
450	RM-Z450/Z*	L401,L405																
	RMX450Z	L407																
650	DR650S, DR650SE	P403,P407, P409							3250	3250	3250	3250	3250	3250	3250	3250	3250	3250
	DR650SE	P409																

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**SUZUKI (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																
			Model Year																
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011						
400	DR-Z400, DRZ400E	K416/K417	4000	4000	4000	4000													
	DR-Z400S, DR-Z400E	K419	3750	3750	3750	3750	3750												
	DRZ400/E	K417,K419						4000	4000										
	DRZ400S/E, DRZ400S/SM	K419							3750	3750		3750	3750	3750					
450	RM-Z450/Z*	L401,L405							4500	4500	4500	4500	4500	4500					
	RMX450Z	L407												3250	3250				
650	DR650S, DR650SE	P403,P407, P409	3250	3250	3250	3250	3250												
	DR650SE	P409							3250	3250	3250	3250	3250	3250					

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**SUZUKI (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
50	LT50,LT-A50	A110	2500	2500	2500													
	LT-Z50/Z* QuadSportZ50	AZ413,Z402																
80	LT80Quad Sport80	C113			3250	3500	3500	3500	3500	3500	3500	3500	3500		3500	3500	3500	3500
90	LT-Z90/ ZQuadSportZ90	D402																
125	LT/ALT125	F410	3750	3750	3750													
160	LT-F160,LT160	G402					4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
185	ALT185,LT185	G401	4000	4000	4000													
230	LT230GE, LT230S, LT-F230	J410, J411, J412	4000	4000	4000	4000												
	LT230E	J416			3500	3500	3500	3500	3500	3500	3500							
250	LT250E/EF	J409	4000	4000														
	LT250R	J104,J109	3750	3750	3500	3500	3500	3500	3500	3500								
	LT250S	J418						4000										
	LT250-4WD, LT-F250F	J413			3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750

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**SUZUKI (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																
			Model Year																
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011						
50	LT50,LT-A50	A110		2500	2500	2500	2500	2500											
	LT-Z50/Z* QuadSportZ50	AZ413,Z402							2550	2550	2550	2550	2550						
80	LT80Quad Sport80	C113		3500	3500	3500	3500	3500											
90	LT-Z90/ ZQuadSportZ90	D402								3500	3500	3500	3500						
125	LT/ALT125	F410																	
160	LT-F160,LT160	G402	4000		4000	4000	4000												
185	ALT185,LT185	G401																	
230	LT230GE, LT230S, LT-F230	J410, J411, J412																	
	LT230E	J416																	
250	LT250E/EF	J409																	
	LT250R	J104,J109																	
	LT250S	J418																	
	LT250-4WD, LT-F250F	J413	3750	3750	3750														

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**SUZUKI (ATV)**

Test RPM

Engine size (in cc)	Model	Engine Prefix	Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
			250	LT-F250, LTZ250	J417, J434,J437				3500	3500	3500	3500	3500	3500	3500	3500	3500	3500
	LT-F250Ozark	J434																
	LT-Z250QuadSport	J437																
300	LT300E	K401			4000	4000	4000	4000										
	LTF4WDX	K403							3500	3500	3500	3500	3500	3500	3500	3500	3500	3500
400	LT-A400/FEIGER	K420,K421																
	LT-F400/FEIGER	K422,K423																
	LT-Z400	K428																
	LT-A400/FEiger	K420,K421																
	LT-F400/FEiger	K422,K423																
	LT-A400/F/FC/FQ/ (F1)KingQuad/ AS	K433,K434, K438,K439																
	LT-F400/F/FC/FQ KingQuad/FS	K435,K436																
	LT-F400/F/(F1) KingQuad	K440,K441																
	LT-Z400/Z QuadSport400	K428,K437																

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**SUZUKI (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011					
250	LT-F250, LTZ250	J417, J434,J437	3500	3500	3500	3500	3500											
	LT-F250Ozark	J434						3500	3500	3500	3500	3500	3500					
	LT-Z250QuadSport	J437						3500	3500	3500	3500	3500						
300	LT300E	K401																
	LTF4WDX	K403	3500	3500														
400	LT-A400/FEIGER	K420,K421		3250	3250	3250	3250											
	LT-F400/FEIGER	K422,K423		3500	3500	3500	3500											
	LT-Z400	K428			3500	3500	3500											
	LT-A400/FEiger	K420,K421						3250	3250									
	LT-F400/FEiger	K422,K423						3500	3500									
	LT-A400/F/FC/FQ/ (F1)KingQuad/ AS	K433,K434, K438,K439										3250	3250	3250	3250			
	LT-F400/F/FC/FQ KingQuad/FS	K435,K436										3500	3500	3500				
	LT-F400/F/(F1) KingQuad	K440,K441												3250	3250			
	LT-Z400/Z QuadSport400	K428,K437							3500	3500	3500	3500	3500	3500				

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**SUZUKI (ATV)**

Test RPM

Engine size (in cc)	Model	Engine Prefix	Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
			450	LT-R450/Z QuadRacerR450	L402,L404													
	LT-A450X/XC KingQuad450	L403																
500	LT500R	M102,M103			3000	3250	3250	3250										
	LT-F500F	M405														3000	3000	3000
	LTF-500FVinson	M411																
	LT-F500FVinson	M411																
	LT-A500FVinson	M409																
	LT-A500X/XP/XPC/ XPW/XPZKingQuad	M413																
700	LT-A700X KINGQUAD	P413																
	LT-V700F TWINPEAKS	VF700AE																
	LT-A700Z KingQuad	P413																
750	LT-A750X KingQuad	R701																

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**SUZUKI (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM														
			Model Year														
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011				
450	LT-R450/Z QuadRacerR450	L402,L404						3750	3750	3750	3750	3750					
	LT-A450X/XC KingQuad450	L403							3250	3250	3250	3250					
500	LT500R	M102,M103															
	LT-F500F	M405	3000	3000													
	LTF-500FVinson	M411			3250	3250	3250	3250	3250								
	LT-F500FVinson	M411															
	LT-A500FVinson	M409						3000	3000								
	LT-A500X/XP/XPC/ XPW/XPZKingQuad	M413											3250	3250	3250		
700	LT-A700X KINGQUAD	P413					3000										
	LT-V700F TWINPEAKS	VF700AE					3250	3250									
	LT-A700Z KingQuad	P413						3000	3000								
750	LT-A750X KingQuad	R701								3000							

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**SUZUKI (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
750	LT-A750X/XC/XR/ XZ/XP/XPC/XPZ KingQuad	R407																

**TOMBERLIN (ATV)**

150	SDX150	AAVIX.150AAL																
200	SDX200	AAVIX.200AAL																
300	SDX300	BAVIX.300AAL																
600	SDX600	BAVIX.552ACL																

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**SUZUKI (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																
			Model Year																
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011						
750	LT-A750X/XC/XR/ XZ/XP/XPC/XPZ KingQuad	R407											3250	3000	3000				

**TOMBERLIN (ATV)**

150	SDX150	AAVIX.150AAL							3225										
200	SDX200	AAVIX.200AAL							3350						3350				
300	SDX300	BAVIX.300AAL							3300			3300							
600	SDX600	BAVIX.552ACL													3200				

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**YAMAHA (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
50	DT50U/W	3BK				4875	4875	4875										
	PW50	36E,3PT	2750	2750	2750			2750	2750	2750	3750	3750	3750	3750	3750	3750	3750	3750
	TTR50E	A305E																
80	BW80S/Y/U	1RY			2750	2750	2750	2750										
	PW80	21W,3RV	2750						2750	2750	2750	2750	2750	3750	3750	3750	3750	3750
	YZ80*	1LR,2HF, 2VE,3MK			5875	5875	5875	5875	5875	5875								
	YZ80*	58T,4ES	6000								6000	6000	6000	6000	6000	6000	6000	6000
	PW80	3RV																
85	YZ85*	B111E,B118E																
	YZ85*	B118E																
90	TTR90	B301E,B305E																
	TTR90/E	B305E																
100	RT100	3UL						3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500
110	TTR110	5B6																
125	TTR125	E309E,E349E																
	YZ125*	55Y,1LX,2HG	5500	5500	5500													
	YZ125*	2VN,3JD				5625	5625											
	YZ125*	3SR,3XJ,4DB						5750	5750	5750				5750	5750	5750	5750	5750
	YZ125*	4JY									5500	5500	5500					

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**YAMAHA (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011					
50	DT50U/W	3BK																
	PW50	36E,3PT	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	2750					
	TTR50E	A305E							4250	4250	4250	4250		4250				
80	BW80S/Y/U	1RY																
	PW80	21W,3RV	3750	3750	3750	3750	3750											
	YZ80*	1LR,2HF, 2VE,3MK																
	YZ80*	58T,4ES	6000	6000														
	PW80	3RV							3750									
85	YZ85*	B111E,B118E	6000	6000	6000	6000	6000											
	YZ85*	B118E							6000	6000	6000	6000	6000	6000				
90	TTR90	B301E,B305E	3500	3500	3500	3500	3500											
	TTR90/E	B305E							3500	3500								
100	RT100	3UL																
110	TTR110	5B6										3750	3750	3750	3750			
125	TTR125	E309E,E349E	4000	4000	4000	4000	4000											
	YZ125*	55Y,1LX,2HG																
	YZ125*	2VN,3JD																
	YZ125*	3SR,3XJ,4DB																
	YZ125*	4JY																

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**YAMAHA (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
125	YZ125*	E112,E116E, E118E																
	L/LWE	E349E																
	TTR125LW	E309E																
	YZ125*	E118E,E120E																
180	RT180	3VC						3500	3500	3500	3500	3500	3500	3500	3500			
200	BW200	54G,IRL	3750	3750	3750	3750												
	IT200	43G,1TY	3750	3750														
	TW200	2YG,3AW			3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500
	WR200R	4BF							3500	3500								
	TW200	3AW																
225	TT225T	1RH		3750	3750													
	TTR225	CG04W, CG04Y, G307E															3750	3750
	XT225	4BE								4000	4000	4000	4000	4000	4000	4000	4000	4000
	TTR225	G331E																
230	TTR230	G341E																
250	TTR250	G307E															3750	3750
	WR250F	G322E																

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**YAMAHA (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																
			Model Year																
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011						
125	YZ125*	E112,E116E, E118E	5750	5750	5750	5750	5750												
	L/LWE	E349E						4000	4000	4000	4000	4000	4000						
	TTR125LW	E309E							4000	4000									
	YZ125*	E118E,E120E						5750	5750	5750	5750	5750	5750						
180	RT180	3VC																	
200	BW200	54G,IRL																	
	IT200	43G,1TY																	
	TW200	2YG,3AW	3500	3500	3500	3500	3500												
	WR200R	4BF																	
	TW200	3AW						3500	3500	3500	3500	3500	3500						
225	TT225T	1RH																	
	TTR225	CG04W, CG04Y, G307E	3750	3750	3750	3750													
	XT225	4BE	4000	4000	4000	4000	4000	4000	4000										
	TTR225	G331E						3750											
230	TTR230	G341E					3750		3750	3750	3750							3750	
250	TTR250	G307E	3750	3750	3750	3750	3750												
	WR250F	G322E	5250	5250	5250	5250	5250												

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**YAMAHA (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM														
			Model Year														
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
250	WR250Z*	3RB,4JW,4DC							4250	4250	4250	4250	4250	4250			
	YZ250*	56A,1LU,2HH	4125	4125	4125												
	YZ250*	2VM,3JE				4000	4000										
	YZ250*	3SP,3XK,4DA,4JX						4250	4250	4250	4250	4250					
	YZ250*	4MX,4DP										4250	4250	4250	4250	4250	4250
	YZ250*	G106E,G110E,G111E															
	YZ250F*	G321E,G3336E,G342E															
	YZ250WR*	3RB				4000	4250	4250									
	TTR250	G307E															
	XT250	G374E															
	WR250F	G348E,G356E															
	WR250R	G375E															
	WR250X	G37E															
	YZ250*	G111E															
YZ250F*	G342E,G357E																
350	BW350T/U	2JN			3250	3250											

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**YAMAHA (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011					
250	WR250Z*	3RB,4JW,4DC																
	YZ250*	56A,1LU,2HH																
	YZ250*	2VM,3JE																
	YZ250*	3SP,3XK, 4DA,4JX																
	YZ250*	4MX,4DP																
	YZ250*	G106E,G110E, G111E	4250	4250	4250	4250	4250											
	YZ250F*	G321E, G3336E, G342E	5250	5250	5250	5250	5250											
	YZ250WR*	3RB																
	TTR250	G307E							3750									
	XT250	G374E									3750	3750	3750	3750				
	WR250F	G348E,G356E							3250	3250	3250	3250	3250	3250				
	WR250R	G375E									4500	4500	4500					
	WR250X	G37E									4500	4500	4500					
	YZ250*	G111E							4250	4250	4250	4250	4250	4250				
YZ250F*	G342E,G357E							5250	5250	5250	5250	5250	5250					
350	BW350T/U	2JN																

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**YAMAHA (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																
			Model Year																
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
350	TY350	46Y,IVY	2500	2500															
	TT350	1RG		3500	3500														
	XT350,XT350C	57T,56R	4250	3750															
	XT350	2KJ,3NV			3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	
400	WR400*	CH043															4500	4500	4500
	YZ400*	H308E															4500	4500	4500
426	WR426F	H309E																	
	YZ426*,YZ426F*	CJ01C,J308E																	4500
450	WR450F	J314E,J321E																	
	YZ450F*	J313E,J314E, J321E																	
	WR450F	J321E,J326E																	
	YZ450F*	J324E,J329E																	
490	YZ490*	57H,1LV, 2HJ,2WH	3500	3500	3500	3500	3500	3500											
500	WR500Z*	4AA								3500	3500	3500							
600	TT600	55U	3250	3250															
	XT600	3UY,49N, 49R,3EW, 3UY	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250					

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**YAMAHA (Motorcycle)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011					
350	TY350	46Y,IVY																
	TT350	1RG																
	XT350,XT350C	57T,56R																
	XT350	2KJ,3NV																
400	WR400*	CH043																
	YZ400*	H308E																
426	WR426F	H309E	4250	4250														
	YZ426*,YZ426F*	CJ01C,J308E	4500	4500														
450	WR450F	J314E,J321E			4500	4500	4500											
	YZ450F*	J313E,J314E, J321E			4500	4500	4500											
	WR450F	J321E,J326E						3250	3250	3250	3250	3250	3250					
	YZ450F*	J324E,J329E						4500	4500	4500	4500	4500	4500					
490	YZ490*	57H,1LV, 2HJ,2WH																
500	WR500Z*	4AA																
600	TT600	55U																
	XT600	3UY,49N, 49R,3EW, 3UY																

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**YAMAHA (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM														
			Model Year														
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
50	YFM50Raptor	A303E															
	YFM50	A303E															
60	YF60S	1HN		2750													
	YT60	36R	2750														
80	YFM80Badger	55X,2FJ	4000	4000	4000	4000											
	YFM80R,Badger, Raptor,Grizzly	4EM,B302E, B304E								3750	3750	3750	3750	3750	3750	3750	3750
	YFM80	B302E, B304E															
90	YFM90	B306E															
100	YMF100Champ	2HX,3GB			3750	3750	3750	3750	3750								
125	YFA1Breeze, YFA1	3FA/AE01Y									3500	3500	3500	3500	3750	3750	3750
	YFM125	E365E															
	YT125	21Y	3000														
	YFM125A	E365E															
	YFM 125R	E3G4E															
200	YFM200, YFM200DX	52H,1NU, 2FH,2VY,3GC	3750	3750	3750	3750	3750										
	YFS200,Blaster	2XJ/3JM, G109E				3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500

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**2001-2011 Model Test RPM Data**  
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**YAMAHA (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011					
50	YFM50Raptor	A303E				4000	4000											
	YFM50	A303E						4000	4000	4000	4000							
60	YF60S	1HN																
	YT60	36R																
80	YFM80Badger	55X,2FJ																
	YFM80R,Badger, Raptor, Grizzly	4EM,B302E, B304E	3750	3750	3750	3750	3750											
	YFM80	B302E, B304E						3750	3750	3750								
90	YFM90	B306E										4000	4000	4000				
100	YMF100Champ	2HX,3GB																
125	YFA1Breeze, YFA1	3FA/AE01Y	3750	3750	3750	3750												
	YFM125	E365E				3500	3500											
	YT125	21Y																
	YFM125A	E365E						3500	3500	3500	3500	3500	3500					
	YFM 125R	E3G4E																4000
200	YFM200, YFM200DX	52H,1NU, 2FH,2VY,3GC																
	YFS200,Blastrer	2XJ/3JM, G109E	3500	3500	3500	3500	3500	3500										

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**YAMAHA (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
200	YTM200,YTM200E	21V,52G	3750															
225	YFM225	59V,2HT		3500	3500	3500												
	YTM225DX/DR	29U,IEV,INV	3500	3500														
250	YFU-1	3JN					3000											
	YFB250, FWTimberwolf	4KD,4BD, AG01W, AG01Y									3500	3500	3500	3500	3500	3500	3500	3500
	YFM250, YFM250XL	2GH,3GM, AG01Y, AG01W					3500	3500	3500								3500	3500
	YFM250	G302E,G334E																
	YTZ250	38W,IRX	3500	3500														
	YFM250R	G369E																
	YFM250	334E																
	350	YFM350, YFM350ER	1YW,2VA,3HP			3250	3250		3250		3250	3250	3250	3250				3250
YFM350U BigBear2WD		H305E											3250	3250	3250	3250		
YFM350F/ FWBigBear4WD		4WU,2HR, 3HN,H302E			3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250		

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**YAMAHA (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011					
200	YTM200,YTM200E	21V,52G																
225	YFM225	59V,2HT																
	YTM225DX/DR	29U,IEV,INV																
250	YFU-1	3JN																
	YFB250, FWTimberwolf	4KD,4BD, AG01W, AG01Y	3500	3500														
	YFM250, YFM250XL	2GH,3GM, AG01Y, AG01W																
	YFM250	G302E,G334E	3500	3500	3500	3500	3500											
	YTZ250	38W,IRX																
	YFM250R	G369E										3500	3500	3500	3500			
	YFM250	334E							3500	3500	3500	3500	3500	3500				
350	YFM350, YFM350ER	1YW,2VA,3HP																
	YFM350U BigBear2WD	H305E																
	YFM350F/ FWBigBear4WD	4WU,2HR, 3HN,H302E																

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**YAMAHA (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																
			Model Year																
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
350	YFM350 FXWolverine	4KB,H306E											3500	3500	3500	3500	3500		
	YFM350 XWarrior	1UY,2XX,3GD			3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500		
	YFM350A/ FABruin	H315E,H316E																	
	YFM350, YFM350RRaptor	H318E																	
	YFZ350	2GU,3GG			3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	
	YFM350FX	H306E																	
	YFZ350	3GG																	
	FWAN	H315E																	
	YFM350A/AS	H316E																	
	YFM350	H318E																	
400	YFM400F BigBear4WD	AH06W, AH06Y																	3500
	YFM400U BigBear2WD	AH08W, AH08Y																	3500
	YFM400A Kodiak2WD	AJ04W, AJ04Y																	3500

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**YAMAHA (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																
			Model Year											2012	2013	2014	2015		
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011						
350	YFM350 FXWolverine	4KB,H306E	3500	3500	3500	3500	3500												
	YFM350 XWarrior	1UY,2XX,3GD	3500	3500	3500	3500													
	YFM350A/ FABruin	H315E,H316E				3250	3250												
	YFM350, YFM350RRaptor	H318E				3500	3500												
	YFZ350	2GU,3GG	3750	3750	3750	3750	3750												
	YFM350FX	H306E						3500											
	YFZ350	3GG						3750											
	FWAN	H315E						3250	3250	3250	3250	3250	3250	3250					
	YFM350A/AS	H316E						3250	3250	3250	3250	3250	3250	3250					
YFM350	H318E						3500	3500	3500	3500	3500	3500	3500						
400	YFM400F BigBear4WD	AH06W, AH06Y																	
	YFM400U BigBear2WD	AH08W, AH08Y																	
	YFM400A Kodiak2WD	AJ04W, AJ04Y																	

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**YAMAHA (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																
			Model Year																
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
400	YFM400F/ AKodiak4WD	4GB,AJ03W, AJ03Y											3500	3500	3500	3500	3500	3500	3500
	YFM400AKodiak, YFM400FWA	J304E,J305E																	
	YFM400/FW	H312E,H310E																	
	YFM400FWAN	J320E																	
	YFM400FWN	H310E																	
450	YFM450FWA Kodiak	J310E																	
	YFZ450	J317E,J323E																	
	“YFM450 FWAN / FAS”	J310E,																	
	YFZ450	J325E																	
	YZF450R	J327E																	
YXR450F Rhino	J322E																		
550	YFM550FWA/ FWAD	J328E																	
600	YFM600Grizzly	AJ02Y, AJ02W,J303E															3500	3500	3500
660	YFM660RRaptor	M301E																	

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**YAMAHA (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011					
400	YFM400F/ AKodiak4WD	4GB,AJ03W, AJ03Y																
	YFM400AKodiak, YFM400FWA	J304E,J305E	3500	3500	3500	3500	3500											
	YFM400/FW	H312E,H310E	3500	3500	3500	3500	3500											
	YFM400FWAN	J320E						3500	3500	3500	3500	3500						
	YFM400FWN	H310E						3500	3500	3500	3500	3500	3500					
450	YFM450FWA Kodiak	J310E			3125	3125	3125											
	YFZ450	J317E,J323E				3750	3750											
	"YFM450 FWAN / FAS"	J310E,						3125	3125	3125	3125	3125	3125					
	YFZ450	J325E						3750	3750	3750	3750							
	YZF450R	J327E										3720	3750	3750				
	YXR450F Rhino	J322E						3000	3000	3000	3000	3000						
550	YFM550FWA/ FWAD	J328E										3125	3125	3125				
600	YFM600Grizzly	AJ02Y, AJ02W,J303E	3500	3500														
660	YFM660RRaptor	M301E	3250	3250	3250	3250	3250											

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**YAMAHA (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM															
			Model Year															
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
660	YFM660FWA Grizzly	M302E																
	YXR660F Rhino	M305E																
	YFM660FWA	"M302E, M303E"																
700	YFM700R	M308E																
	YFM700FWA/ FWAD	M310E																
	YXR700 Rhino	M312E																
	YXR700F4	M314E																

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**YAMAHA (ATV)**

Engine size (in cc)	Model	Engine Prefix	Test RPM																
			Model Year																
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011						
660	YFM660FWA Grizzly	M302E	3125	3125	3125	3125													
	YXR660F Rhino	M305E				3000	3000	3000	3000										
	YFM660FWA	"M302E, M303E"						3125	3125	3125	3125								
700	YFM700R	M308E						3125	3125	3125	3125	3125	3125						
	YFM700FWA/ FWAD	M310E								3125	3125	3125	3125						
	YXR700 Rhino	M312E								2625	2625	2625	2625						
	YXR700F4	M314E										2625							

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