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House Bill 63 - Regular Session 2011 – 2012

Testimony of Henry H. Hartman
on behalf of the
Pennsylvania State Snowmobile Association
before the
House Tourism and Recreational Development Committee

Chairman Stern, Chairman Kirkland, members of the committee and staff, my name is Henry Hartman and I am also here on behalf of PSSA and many Vintage Snowmobile enthusiasts. Thank you for the opportunity to share some information with you today.

I experienced my first snowmobile ride in 1968 on a machine built in York, in a plant that is today the Harley-Davidson factory. In the early 70's I started employment with a John Deere dealership and have been very active in the sport of snowmobiling ever since. Over the years, I have been involved with selling John Deere, Kawasaki, and Polaris snowmobiles. I regularly share my knowledge of the older machines with Vintage Snowmobile owners looking for information & history, and answering service & parts questions.

The history of the snowmobile business is quite interesting. At the height of their initial popularity, there were about 130 different manufacturers building over 200 brand names of machines. One of the things I enjoy sharing with the younger people who take the Snowmobile Safety Training Course is the fact that many years ago, you could buy a snowmobile at J.C. Penneys, at Sears, and at the former Montgomery Wards. Between 1967 and 1975, there were 3 companies producing 4 brands of snowmobiles right here within the Commonwealth of Pennsylvania.

There are currently only four (4) manufacturers producing and selling snowmobiles for the North American market. They are: Arctic Cat, Polaris, Ski-Doo, and Yamaha.

The most recent time a different manufacturer of snowmobiles had machines for sale was the 1984 model year. John Deere exited the market with their '84 models, previously Kawasaki ended their models with the 1982 year, and Scorpion the year before that in 1981. All of these are easily beyond the 25-year-old threshold for the Vintage Registration.

The four current manufacturers each have model year information coded in their model number and/or serial number designations.

DCNR has all of the information needed to correctly identify those machines which are 25 years old or beyond. They have been registering snowmobiles ever since soon after the original Snowmobile Law was enacted in 1971.

October 18, 2011

In researching information for this day, I spoke to a fellow snowmobile dealer who commented that when they submit a registration and have the model year listed incorrectly, they get a phone call from the DCNR registration office questioning the year. I believe that office already has all of the information pertaining to what models and what serial numbers were built in what years.

For your information, I have included pages copied from John Deere snowmobile parts books which explain the system they used to identify their models and years.

Arctic Cat used the first digit of their serial number to indicate the model year. Let's say the serial number began with the digit 8. That would make the machine either a 1968 or a 1978. If the first digit was a zero, it would be a 1970 or a 1980 model. Model names of the Arctic Cats didn't run for 10 years, so there is very little possibility of confusion which decade a machine belongs to. Arctic Enterprises, the original parent company of Arctic Cat, went bankrupt in 1981, and for 2 years there were no machines built.

A new company, named 'Arctco', restarted Arctic Cat production with the 1984 model machines, and they started using the first two digits of the serial number to show the year. So in 1984 the serial numbers all started with '84'. The following years saw the continuation of this pattern until the more recent 17-digit VIN numbers came into use by all current manufacturers.

Polaris, starting with the 1972 models, used the first two or three digits of their model number to indicate the model year. 1972 machines all started with the digits 72, beginning in 1979 they added a zero before the year, so a '79 machine starts the model number with "079". Please reference the included examples copied from an older Polaris Serviceman's Handbook.

Ski-Doo and Yamaha also have model year information coded in their model and serial number information. Please reference the printed examples we have provided.

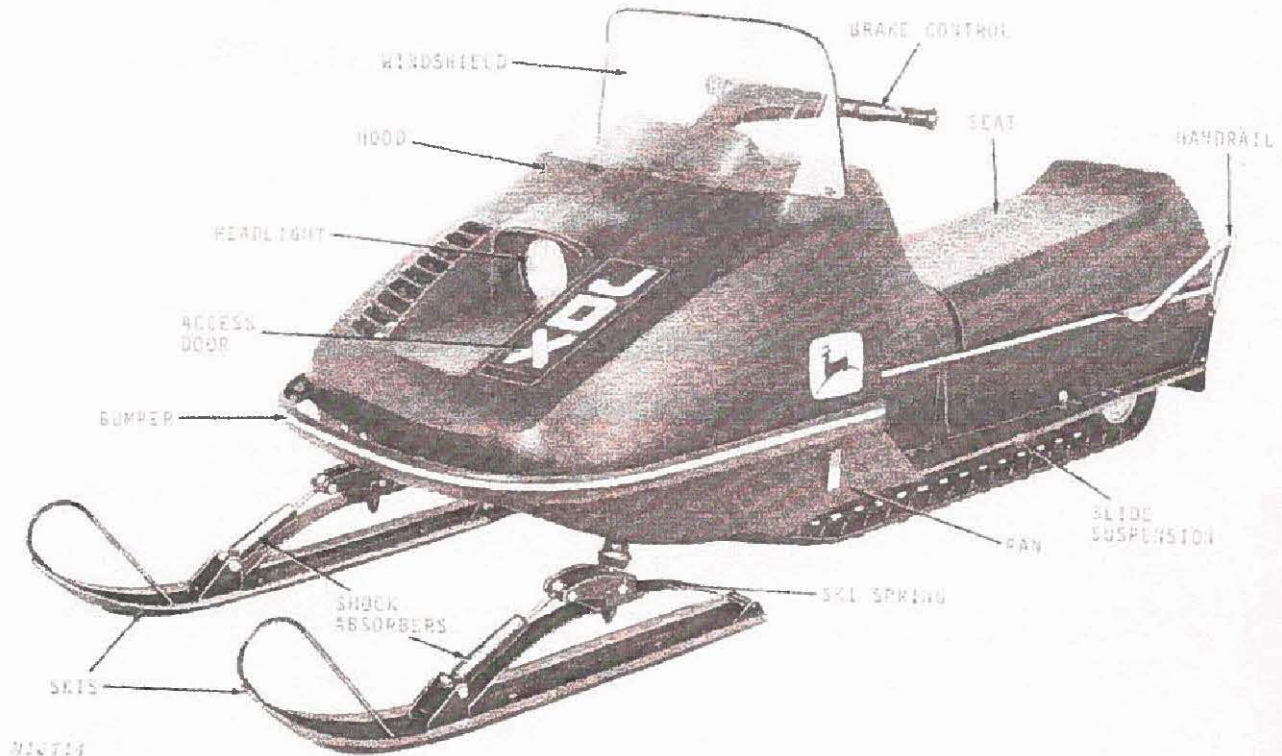
Many owners of Vintage Snowmobiles here in the Commonwealth are interested in showing and operating their old machines at events hosted by clubs and dealers throughout the state. They are usually ridden only short distances in order to prevent breakdowns that might involve hard to find parts, if the parts can be found at all. Allowing these older machines to be registered as Vintage will boost the economic impact all over the state. Owners of these machines eat, lodge, fuel-up, and buy vehicles to haul and tow these machines. It makes good sense in every way to encourage these types of activities rather than to deny the opportunity.

I thank you for this time to speak to you. I will gladly answer any questions you might have.

October 18, 2011

SNOWMOBILES IN THIS CATALOG

This parts catalog applies to the following John Deere Snowmobiles:
 300 Snowmobile, 1975 Model (Serial No. J300D 030001M-055000M)
 400 Snowmobile, 1975 Model (Serial No. J400D 030001M-055000M)
 600 Snowmobile, 1975 Model (Serial No. J600D 030001M-055000M)
 800 Snowmobile, 1975 Model (Serial No. J800D 030001M-055000M)
 JDX4 Snowmobile, 1975 Model (Serial No. JDX4D 030001M-055000M)
 JDX6 Snowmobile, 1975 Model (Serial No. JDX6D 030001M-055000M)
 JDX8 Snowmobile, 1975 Model (Serial No. JDX8D 030001M-055000M)
 300 Snowmobile, 1976 Model (Serial No. J300E 055001M-070000M)
 400 Snowmobile, 1976 Model (Serial No. J400E 055001M-070000M)
 300 Snowmobile, 1977 Model (Serial No. J300F 070001-)



John Deere JDX8 Snowmobile

(Specifications and design subject to change without notice.)

SNOWMOBILES IN THIS CATALOG

This parts catalog applies to the following John Deere Snowmobiles:

300 Snowmobile
1974 Model (Serial No. 20.001-)

400 and 500 Snowmobiles
1972 Model (Serial No. 2.551-11.000)
1973 Model (Serial No. 11.001-20.000)
1974 Model (Serial No. 20.001-)

600 Snowmobile
1973 Model (Serial No. 2.551-20.000)
1974 Model (Serial No. 20.001-)

JDX4 Snowmobile*
1973 Model (Serial No. 2.551-20.000)

JDX4 Special Snowmobile*
1974 Model (Serial No. 20.001-)

JDX6 Snowmobile
1974 Model (Serial No. 20.001-)

JDX8 Snowmobile
1973 Model (Serial No. 2.551-20.000)
1974 Model (Serial No. 20.001-)

** Important: Be careful when ordering parts for JDX4 and JDX4 Special Snowmobiles. These two machines are different. Always determine whether the snowmobile is a JDX4 or JDX4 Special. Check the serial number to verify the snowmobile model (see above). Pay particular attention to the snowmobile model and serial number range listed at the top of the page and order parts from the correct page. Use the alphabetical index to locate parts quickly.*



Model 600 Snowmobile

(Specifications and design subject to change without notice.)

Year	Model Name	Marketing Name	Model Code	Starting PID Number	Starting Engine Number
1968	SL350	SL350	801	RW1-000101	RW1-000101
1969	SL351	SL351	802	802-000101	802-000101
1970	SL338	SL338	806	SL338-00101	SL338-00101
1970	SL396	SL396	807	SL396-00101	SL396-00101
1970	SS338	SS338	806	SS338-00101	SS338-00101
1970	SS396	SS396	809	SS396-00101	SS396-00101
1971	GP396	GP396	813	GP396-00101	GP396-00101
1971	SL292	SL292	812	SL292-00101	SL292-00101
1971	SL338	SL338B	810	SL338-20101	SL338-20101
1971	SR433	SR433	820	SR433-00101	SR433-00101
1971	SS433	SS433	818	SS433-00101	SS433-00101
1971	SW396	SW396	811	SW396-00101	SW396-00101
1971	SW433E	SW433E	819	SW433-00101	SW433-00101
1972	EW433	EW433B	827	EW433-20101	Y433-20101
1972	EW643	EW643	834	EW643-00101	Y643-00101
1972	GP292	GP292	823	GP292-00101	S292-00101
1972	GP433	GP433	828	GP433-00101	S433-00101
1972	GP643	GP643	835	GP643-01101	Y643-01101
1972	SL292	SL292B	822	SL292-10101	Y292-10101
1972	SL338	SL338C	824	SL338-30101	Y338-30101
1972	SL433	SL433	837	SL433-25101	Y433-25101
1972	SR433	SR433B	829	SR433-01101	R433-01101
1972	SR643	SR643	836	SR643-00101	R643-00101
1972	SW433	SW433B	826	SW433-10101	Y433-10101
1973	EL433	EL433B	843	843-050101	Y433-050101
1973	EW433	EW433C	842	842-060101	Y433-060101
1973	EW643	EW643B	852	852-010101	Y643-010101
1973	GP292	GP292B	845	845-010101	S292-010101
1973	GP338	GP338	846	846-000101	S338-000101
1973	GP433	GP433B	844	844-010101	S433-010101
1973	GP643	GP643B	847	847-010101	S643-010101
1973	SL292	SL292C	839	839-020101	Y292-020101
1973	SL338	SL338D	840	840-040101	Y338-040101
1973	SL433	SL433B	841	841-040101	Y433-040101
1973	SM292	SM292	853	853-035101	Y292-035101
1973	SR292	SR292	856	856-000101	R292-000101
1973	SR433	SR433C	857	857-002101	R433-002101
1973	SR643	SR643B	858	858-001101	R643-001101

2008 Snowmobile Technical Update

SNOWMOBILE MODEL / ID GUIDE 1968 - 2007 - (Continued)

Year	Model Name	Marketing Name	Model Code	Starting PID Number	Starting Engine Number
1984	BR250	BRAVO	8V7	8V7-038101	R246-038101
1984	EC340	EXCEL III	8W8	8W8-142101	E338-142101
1984	ET300	ENTICER 300	8W6	8W6-052101	E294-052101
1984	ET340	ENTICER 340	8W9	8W9-148101	E338-148101
1984	ET340T	ENTICER 340T (Long Track)	8X0	8X0-155101	E338-155101
1984	PZ480	PHAZER	8V0	8V0-010101	8V0-010101
1984	PZ480SE	PHAZER SE (Elec Start)	8X9	8X9-021101	8V0-021101
1984	SR540	SRV	8V9	8V9-060101	SA535-060101
1984	SS440	SS440	8V8	8V8-049101	SA437-049101
1984	VMX540	V-MAX	8X6	8X6-000101	8X6-000101
1985	BR250	BRAVO	80F	80F-000101	80F-000101
1985	BR250T	BRAVO T (Long Track)	8Y1	8Y1-000101	8Y1-000101
1985	EC340	EXCEL III	8Y3	8Y3-000101	8Y3-000101
1985	ET340	ENTICER 340	8Y2	8Y2-000101	8Y2-000101
1985	ET340T	ENTICER 340T (Long Track)	80E	80E-000101	80E-000101
1985	PZ480	PHAZER	80L	80L-000101	80L-000101
1985	PZ480E	PHAZER E (Elec Start)	80K	80K-000101	80K-000101
1985	SR540	SRV	8Y0	8Y0-000101	8Y0-000101
1985	SS440	SS440	80R	80R-000101	80R-000101
1985	VMX540	V-MAX	80N	80N-000101	80N-000101
1985	XL540	XL-V	8Y7	8Y7-000101	8Y7-000101
1986	BR250	BRAVO	80V	80V-000101	80V-000101
1986	BR250T	BRAVO T (Long Track)	81U	81U-000101	81U-000101
1986	CF300	INVITER	81E	81E-000101	81E-000101
1986	EC340	EXCEL III	80Y	80Y-000101	80Y-000101
1986	ET340	ENTICER 340	80X	80X-000101	80X-000101
1986	ET340T	ENTICER 340T (Long Track)	81A	81A-000101	81A-000101
1986	PZ480	PHAZER	81H	81H-000101	81H-000101
1986	PZ480E	PHAZER DELUXE (Elec Start)	81J	81J-000101	81J-000101
1986	SR540	SRV	81G	81G-000101	81G-000101
1986	VMX540	V-MAX	81K	81K-000101	81K-000101
1986	XL540	XL-V	81R	81R-000101	81R-000101



ACTIVE And LIMITED VEHICLES
As of 01-SEP-11



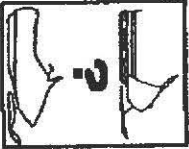
County Name	Active Vehicles			Limited Vehicles			Total
	ATV	Snow	Total	ATV	Snow	Total	
00 UNKNOWN	207	55	262	200	9	209	471
01 ADAMS	1,488	458	1,946	1,509	18	1,527	3,473
02 ALLEGHENY	7,613	864	8,477	3,309	22	3,331	11,808
03 ARMSTRONG	3,094	216	3,310	1,665	10	1,675	4,985
04 BEAVER	2,789	178	2,967	1,183	7	1,190	4,157
05 BEDFORD	1,849	111	1,960	1,388	9	1,397	3,357
06 BERKS	3,721	1,646	5,367	1,946	76	2,022	7,389
07 BLAIR	3,108	380	3,488	1,507	19	1,526	5,014
08 BRADFORD	2,021	611	2,632	1,698	43	1,741	4,373
09 BUCKS	4,304	1,043	5,347	1,789	97	1,886	7,233
10 BUTLER	4,725	797	5,522	1,718	40	1,758	7,280
11 CAMBRIA	4,674	795	5,469	1,794	36	1,830	7,299
12 CAMERON	223	54	277	104	0	104	381
13 CARBON	1,428	324	1,752	337	21	358	2,110
14 CENTRE	2,573	614	3,187	1,729	27	1,756	4,943
15 CHESTER	2,292	657	2,949	1,369	40	1,409	4,358
16 CLARION	1,910	296	2,206	1,047	19	1,066	3,272
17 CLEARFIELD	3,460	495	3,955	2,544	23	2,567	6,522
18 CLINTON	1,232	404	1,636	812	8	820	2,456
19 COLUMBIA	1,524	496	2,020	972	29	1,001	3,021
20 CRAWFORD	2,482	615	3,097	1,159	33	1,192	4,289
21 CUMBERLAND	2,117	504	2,621	1,280	26	1,306	3,927
22 DAUPHIN	1,857	646	2,503	1,292	19	1,311	3,814
23 DELAWARE	1,030	117	1,147	485	10	495	1,642
24 ELK	1,943	357	2,300	804	8	812	3,112
25 ERIE	4,879	2,285	7,164	1,383	121	1,504	8,668
26 FAYETTE	3,257	276	3,533	3,723	13	3,736	7,269
27 FOREST	324	106	430	104	5	109	539
28 FRANKLIN	1,768	227	1,995	1,414	14	1,428	3,423
29 FULTON	289	43	332	469	3	472	804
30 GREENE	793	6	799	1,328	0	1,328	2,127
31 HUNTINGDON	1,023	100	1,123	1,765	8	1,773	2,896
32 INDIANA	2,994	298	3,292	1,739	27	1,766	5,058
33 JEFFERSON	2,264	161	2,425	1,446	20	1,466	3,891
34 JUNIATA	580	108	688	1,160	4	1,164	1,852
35 LACKAWANNA	3,108	747	3,855	1,173	44	1,217	5,072
36 LANCASTER	5,472	1,953	7,425	2,729	84	2,813	10,238
37 LAWRENCE	1,883	238	2,121	661	14	675	2,796
38 LEBANON	1,341	867	2,208	977	33	1,010	3,218
39 LEHIGH	1,992	939	2,931	763	67	830	3,761



ACTIVE And LIMITED VEHICLES
As of 01-SEP-11



County Name	Active Vehicles			Limited Vehicles			Total
	ATV	Snow	Total	ATV	Snow	Total	
40 LUZERNE	5,121	719	5,840	2,415	55	2,470	8,310
41 LYCOMING	2,744	956	3,700	2,965	40	3,005	6,705
42 MCKEAN	1,989	682	2,671	541	27	568	3,239
43 MERCER	2,646	551	3,197	707	23	730	3,927
44 MIFFLIN	574	138	712	1,456	10	1,466	2,178
45 MONROE	1,904	526	2,430	768	78	846	3,276
46 MONTGOMERY	3,314	823	4,137	1,442	58	1,500	5,637
47 MONTOUR	389	99	488	314	8	322	810
48 NORTHAMPTON	2,448	978	3,426	824	59	883	4,309
49 NORTHUMBERLAND	1,897	370	2,267	1,398	18	1,416	3,683
50 PERRY	1,180	321	1,501	1,160	12	1,172	2,673
51 PHILADELPHIA	1,095	66	1,161	924	2	926	2,087
52 PIKE	1,200	380	1,580	356	23	379	1,959
53 POTTER	1,224	682	1,906	494	28	522	2,428
54 SCHUYLKILL	3,067	610	3,677	1,533	36	1,569	5,246
55 SNYDER	738	260	998	910	15	925	1,923
56 SOMERSET	2,128	521	2,649	1,650	26	1,676	4,325
57 SULLIVAN	272	92	364	303	1	304	668
58 SUSQUEHANNA	1,508	574	2,082	786	45	831	2,913
59 TIOGA	1,564	656	2,220	1,176	35	1,211	3,431
60 UNION	606	252	858	550	12	562	1,420
61 VENANGO	2,332	279	2,611	789	16	805	3,416
62 WARREN	1,745	568	2,313	706	20	726	3,039
63 WASHINGTON	3,545	244	3,789	2,440	11	2,451	6,240
64 WAYNE	1,813	1,048	2,861	1,294	78	1,372	4,233
65 WESTMORELAND	7,144	811	7,955	4,047	32	4,079	12,034
66 WYOMING	1,134	253	1,387	613	15	628	2,015
67 YORK	5,006	1,527	6,533	2,781	68	2,849	9,382
77 PHILADELPHIA-7	5	0	5	0	0	0	5
99 OUT OF STATE	5,625	2,983	8,608	1,572	35	1,607	10,215
Total:	161,588	39,056	200,644	91,388	1,992	93,380	294,024



**MODEL IDENTIFICATION
IDENTIFICATION DES MODÈLES**

Serial Number Meaning
Signification du numéro de série:

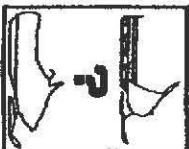


ABBREVIATIONS/ABBREVIATIONS:

- Bgr. = Bogie
- St. = Sillon/Chaîne
- E. = Elastic fibrous
- Fr. = Steel cross lips track/Traversea d'acier (antérior)
- * = Denotes model or model year not covered in this booklet/Signifie que ce modèle ou cette année n'est pas couvert dans ce manuel

SKI-DOO

DESCRIPTION	MODEL NUMBER NUMÉRO DE MODÈLE
1980* Kohler 7 hp	K60
1981* Kohler 7 hp JLO 8 hp	K81 J61
1982* JLO 8 hp Kohler 7 hp JLO 8 hp	A62 K62 J62



SKI-DOO

DESCRIPTION

DESCRIPTION	MODEL NUMBER NUMÉRO DE MODÈLE
1983* Rexar 6 hp Rexar 8 hp Rexar 8 hp	RS RS RD8
1984* Chalet 8 hp Olympique 10 hp Alpha 10 hp	BB84 SB84 HD84
1985* Chalet 8 hp Olympique 10 hp Alpha 10 hp	BC8 BB8 DB8
1986* Olympique 10 hp Olympique S 10 hp Olympique S 14 hp Alpha 14 hp	BB8 SB8 DB8 DOB
1987* Chalet 8 hp Olympique 10 hp Olympique 14 hp Olympique E 14 hp Olympique S 14 hp Alpha 18 hp Alpha 18 hp DST	BC7 BB7 BS7 SE7 SS7 DD7 DS7

POLYMERIS

1978	Model No.	Engine Model	Timing In. BTDC	Mikuni Carb.		Track Type	Suspension Type	Center Distance	Clutch Offset	Gearing Chain Type	Spark Plug	
				MJ Setting	PJ						NGK	Champion
Coit	781028	EC28P8	.0141	117.5	35	Clean	Slide	11.1"	9/16"	13/28 38-2	BR8ES	RM-3
Coit	781024	EC28PC	.0021	112.5	38	"	"	"	"	15/35 Silent	BR8ES	RM-2
S/S 340	781138	EC34PM-03/04N	.0021	130H	38	"	"	"	"	17/35 Silent	BR8ES	RM-3
Cobra	781838	EC34PM-04	.0021	130H	35	"	"	12.0"	9/8"	16/28 Silent	BR8ES	RM-2
Cobra	781843	EC44PM-01	.0021	200H	35	"	"	"	"	17/33 Silent	"	"
TX	780823	EC28PT-07	.188*	220H	35	"	"	"	"	15/39 Silent	"	"
TX	780837	EC34PT-05	.188*	280H	30	"	"	"	"	17/39 Silent	"	"
TX	780845	EC44PT-06	.164*	370H	45	"	"	"	"	19/39 Silent	"	"
TX-L	780839	EC34PL-02	.198*	310H	45	IDL Rubber	"	"	"	19/39 Silent	"	"

*Static
*Dynamic @ 3,000 RPM

1979	Model No.	Engine Model	Timing In. BTDC	Mikuni Carb. MJ	Track Type	Suspension Type	Center Distance	Clutch Offset	Gearing Chain Type	Spark Plug		
										NGK	Champion	
Coit	0791028	EC28P8	.0141	117.5H	35	Clean	Slide	11.1"	9/16"	13/28 38-2	BR8ES	RM-3
Coit	0791026	EC28PM-01	.0021	112.5H	38	"	"	"	"	15/35 Silent	BR8ES	RM-2
Apple	0791138	EC34PM-03	.0021	130H	38	"	"	"	"	17/35 Silent	BR8ES	RM-3
Cobra	0791838	EC34PM-04	.0021	130H	35	"	"	12.0"	9/8"	16/28 Silent	BR8ES	RM-2
Cobra	0791843	EC44PM-01	.0021	200H	35	"	"	"	"	17/33 Silent	"	"
TX	0790823	EC28PT-07	.188*	220H	35	"	"	"	"	15/39 Silent	"	"
TX	0790837	EC34PT-05	.188*	280H	30	"	"	"	"	17/39 Silent	"	"
TX	0790846	EC44PT-06	.164*	370H	45	"	"	"	"	19/39 Silent	"	"
TX-L	0790839	EC34PL-02	.198*	310H	45	IDL Rubber	"	"	"	19/39 Silent	"	"

*Static
*Dynamic @ 3,000 RPM