

1971 ELECTRICAL SPECIFICATIONS

MODEL	ENGINE MODEL	IGNITION TYPE*	IGNITION TIMING			SPARK PLUG	GAP		LIGHTING COIL OUTPUT
			Degrees (BTDC)	mm	in.		mm	in.	
Lynx 292A	KT150A,B	Breaker Point	25	4.01	0.158	Bosch M260TI	0.5	0.020	12V/75W
Panther, Puma 340	TIA340SI	Breaker Point	28	4.38	0.172	B9ES	0.5	0.020	12V/75W
Panther, Puma 399	TIA400SI	Breaker Point	28	4.38	0.172	B9ES	0.5	0.020	12V/75W
Panther, Puma 440	TIA440SI	Breaker Point	28	4.38	0.172	B9ES	0.5	0.020	12V/75W
EXT 290	TIA290FI	Breaker Point	28	4.42	0.174	B10ES	0.5	0.020	12V/75W
EXT 340	TIA340FI	Breaker Point	28	4.42	0.174	B10ES	0.5	0.020	12V/75W
EXT 399	TIA400FI	Breaker Point	28	4.42	0.174	B10ES	0.5	0.020	12V/75W
EXT 440	TIA440F2	CDI	25	3.54	0.139	B10ES	0.5	0.020	12V/75W

*Point gap on all breaker point ignitions is 0.3-0.4 mm (0.012-0.016 in.).

RESISTANCE TESTS

ITEM	ENGINE MODEL							
	KT150A,B	TIA340, 400, 440SI	TIA290, 340, 400FI	TIA440F2				
Ignition Coil — Primary	1.03 ± 10% B ↔ Grnd	0.9 ± 10% R, W ↔ Grnd	0.9 ± 10% R, W ↔ Grnd	0.4 ± 10% BI ↔ Grnd				
— Secondary	4856 ± 10% HT ↔ Grnd	6000 ± 10% HT ↔ Grnd	6000 ± 10% HT ↔ Grnd	10,440 ± 10% HT ↔ HT				
Lighting Coil	0.42 ± 10% Y ↔ Y	0.8 ± 10% Y ↔ Y	0.8 ± 10% Y ↔ Y	0.8 ± 10% Y ↔ Y				
Magneto Coils		1.9 ± 10% R ↔ W	1.9 ± 10% R ↔ W	243 ± 10% R ↔ Grnd 65 ± 10% R ↔ W				

Wire Color Code: B-Black, BI-Blue, Br-Brown, W-White, R-Red, G-Green, Y-Yellow, Grnd-Ground

1972 ELECTRICAL SPECIFICATIONS

MODEL	ENGINE MODEL	IGNITION TYPE	IGNITION TIMING			SPARK PLUG	GAP		LIGHTING COIL OUTPUT
			Degrees (BTDC)	mm	in.		mm	in.	
Lynx 292*	KT150B	Breaker Point	25	4.01	0.158	Bosch M260TI	0.5	0.020	12V/75W
Panther 292*	KT150B	Breaker Point	25	4.01	0.158	Bosch M260TI	0.5	0.020	12V/75W
Puma, Cheetah Panther 340*	TIA340SIB	Breaker Point	28	4.38	0.172	B9ES	0.5	0.020	12V/75W
Puma, Cheetah Panther 400*	TIA400SIB	Breaker Point	28	4.38	0.172	B9ES	0.5	0.020	12V/75W
Puma, Cheetah Panther 440*	TIA440SIB	Breaker Point	28	4.38	0.172	B9ES	0.5	0.020	12V/75W
EXT 250*	TIA250RIA	Breaker Point	25	3.54	0.139	B10ES	0.5	0.020	12V/75W
EXT 290*	TIA290RIA	Breaker Point	25	3.54	0.139	B10ES	0.5	0.020	12V/75W
EXT 340*	TIA340RIA	Breaker Point	25	3.54	0.139	B10ES	0.5	0.020	12V/75W
EXT 400*	TIA400RIA	Breaker Point	25	3.54	0.139	B10ES	0.5	0.020	12V/75W
EXT 440	TIA440RIA	CDI	25	3.54	0.139	B10ES	0.5	0.020	12V/75W
Kitty Cat*	T5A060SIA	Breaker Point	25	2.59	0.102	BR6HS	0.7	0.026	12V/30W

*Point gap on all breaker point ignitions is 0.3-0.4 mm (0.012-0.016 in.).

RESISTANCE TESTS

ITEM	ENGINE MODEL							
	KT150B	TIA340,400 440SIB	TIA250, 290, 340,400RIA	TIA440RIA				
Ignition Coil — Primary	1.03 ± 10% B ↔ Grnd	0.9 ± 10% R,W ↔ Grnd	0.9 ± 10% R,W ↔ Grnd	0.4 ± 10% BI ↔ Grnd				
—Secondary	4856 ± 10% HT ↔ Grnd	6000 ± 10% HT ↔ Grnd	6000 ± 10% HT ↔ Grnd	10,440 ± 10% HT ↔ HT				
Lighting Coil	0.42 ± 10% Y ↔ Y	0.8 ± 10% Y ↔ Y	0.8 ± 10% Y ↔ Y	0.8 ± 10% Y ↔ Y				
Magneto Coils		1.9 ± 10% R ↔ W	1.9 ± 10% R ↔ W	243 ± 10% R ↔ Grnd 65 ± 10% R ↔ W				

Wire Color Code: B-Black, BI-Blue, Br-Brown, W-White, R-Red, G-Green, Y-Yellow, Grnd-Ground

1973 ELECTRICAL SPECIFICATIONS

MODEL	ENGINE MODEL	IGNITION TYPE	IGNITION TIMING			SPARK PLUG (NGK)	GAP		LIGHTING COIL OUTPUT
			Degrees (BTDC)	mm	in.		mm	in.	
Lynx 292*	T4B292S	Breaker Point	25	4.01	0.158	B9HS	0.7	0.026	12V/100W
Puma 440*	T1B440S1A	Breaker Point	25	3.54	0.139	B9ES	0.8	0.030	12V/100W
Cheetah 340*	T1B340S1A	Breaker Point	25	3.54	0.139	B9ES	0.8	0.030	12V/100W
Cheetah 400*	T1B400S1A	Breaker Point	25	3.54	0.139	B9ES	0.8	0.030	12V/100W
Cheetah 440*	T1B440S1A	Breaker Point	25	3.54	0.139	B9ES	0.8	0.030	12V/100W
Panther 340*	T1B340S1A	Breaker Point	25	3.54	0.139	B9ES	0.8	0.030	12V/100W
Panther 400*	T1B400S1A	Breaker Point	25	3.54	0.139	B9ES	0.8	0.030	12V/100W
Panther 440*	T1B440S1A	Breaker Point	25	3.54	0.139	B9ES	0.8	0.030	12V/100W
El Tigre 250	T1B250RS	CDI	25	3.54	0.139	B9EV	0.4	0.016	12V/100W
El Tigre 340	T1C340RS	CDI	25	3.54	0.139	B9EV	0.4	0.016	12V/100W
El Tigre 400	T7A400RS	Dual CDI	17	1.68	0.066	B9EV	0.4	0.016	12V/100W
El Tigre 440	T7A440RS	Dual CDI	17	1.68	0.066	B9EV	0.4	0.016	12V/100W
Kitty Cat*	T5B060S1A	Breaker Point	25	2.59	0.102	BR6HS	0.7	0.026	12V/30W

*Point gap on all breaker point ignitions is 0.3-0.4 mm (0.012-0.016 in.).

RESISTANCE TESTS

ITEM	ENGINE MODEL								
	T4B292S	T1B340,400,440S1A	T1B250RS T1B340RS	T7A400RS T7A440RS					
Ignition Coil — Primary	0.85 ± 10% W ↔ Grnd	1.61 ± 10% R, W ↔ Grnd	0.36 ± 10% Bl ↔ Br	0.36 ± 10% Bl ↔ Br					
— Secondary	7190 ± 10% HT ↔ Grnd	5165 ± 10% HT ↔ Grnd	10,200 ± 10% HT ↔ HT	10,200 ± 10% HT ↔ HT					
Lighting Coil	0.18 ± 10% Y ↔ Y	0.18 ± 10% Y ↔ Y	0.18 ± 10% Y ↔ Y	0.18 ± 10% Y ↔ Y					
Magneto Coils	0.96 ± 10% W ↔ Grnd	1.13 ± 10% R, W ↔ Grnd	195 ± 10% R ↔ Grnd 23.5 ± 10% R ↔ W	295 ± 10% R ↔ Grnd 22.5 ± 10% R ↔ W					

Wire Color Code: B-Black, Bl-Blue, Br-Brown, W-White, R-Red, G-Green, Y-Yellow, Grnd-Ground

1975 ELECTRICAL SPECIFICATIONS

MODEL	ENGINE MODEL	IGNITION TYPE	IGNITION TIMING			SPARK PLUG (NGK)	GAP		LIGHTING COIL OUTPUT
			Degrees (BTDC)	mm	in.		mm	in.	
Lynx 250*	T1D250F1A	Breaker Point	25	3.54	0.139	BR8ES	0.8	0.030	12V/100W
Jag 340*	T1D340F1A	Breaker Point	25	3.54	0.139	BR8ES	0.8	0.030	12V/100W
Cheetah 340	T1D340A2A	CDI	25	3.54	0.139	B8ES	0.8	0.030	12V/120W
Cheetah 440	T1D440A2A	CDI	25	3.54	0.139	B8ES	0.8	0.030	12V/120W
Panther 440	T1D440A2A	CDI	25	3.54	0.139	B8ES	0.8	0.030	12V/120W
Pantera 340	T1D340A2A	CDI	25	3.54	0.139	B8ES	0.8	0.030	12V/120W
Pantera 440	T1D440A2A	CDI	25	3.54	0.139	B8ES	0.8	0.030	12V/120W
El Tigre 340	T7C340FR1	Dual CDI	14	1.14	0.044	BR9EV	0.4	0.016	12V/100W
El Tigre 440	T7C440FR1	Dual CDI	17	1.68	0.066	BR9EV	0.4	0.016	12V/100W
El Tigre 250Z	T7C250FR2	Dual CDI	14	1.14	0.044	BR9EV	0.4	0.016	12V/100W
El Tigre 350Z	T7C340FR2	Dual CDI	14	1.14	0.044	BR9EV	0.4	0.016	12V/100W
El Tigre 440Z	T7C440FR2	Dual CDI	17	1.68	0.066	BR9EV	0.4	0.016	12V/100W

*Point-gap on all breaker point ignitions is 0.3-0.4 mm (0.012-0.016 in.).

RESISTANCE TESTS

ITEM	ENGINE MODEL						
	T1D250F1A T1D340F1A	T1D340A2A T1D440A2A	ALL T7C Series				
Ignition Coil — Primary	1.61 ± 10% BI ↔ Grnd	0.36 ± 10% BI ↔ Grnd	0.36 ± 10% BI ↔ Br				
— Secondary	5165 ± 10% HT ↔ Grnd	10,200 ± 10% HT ↔ HT	10,200 ± 10% HT ↔ HT				
Lighting Coil	0.14 ± 10% Y ↔ Y	0.18 ± 10% Y ↔ Y	0.18 ± 10% Y ↔ Y				
Magneto Coils	1.13 ± 10% R,W ↔ Grnd	195 ± 10% ✕ R ↔ Grnd 23.5 ± 10% ✕ R ↔ W	295 ± 10% R ↔ Grnd 23.5 ± 10% R ↔ W				

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1976 ELECTRICAL SPECIFICATIONS

MODEL	ENGINE MODEL	IGNITION TYPE	IGNITION TIMING			SPARK PLUG (NGK)	GAP		LIGHTING COIL OUTPUT
			Degrees (BTDC)	mm	in.		mm	in.	
Jag 2000	AA28F1	CDI	18	1.86	0.073	BR8ES	0.5	0.020	12V/120W
Jag 3000	AA34F1	CDI	18	1.86	0.073	BR8ES	0.5	0.020	12V/120W
Cheetah 4000	AC44A1	CDI	18	2.02	0.080	BR8ES	0.5	0.020	12V/120W
Panther 4000	AC44A1	CDI	18	2.02	0.080	BR8ES	0.5	0.020	12V/120W
Cheetah 5000	AB50A1	CDI	15	1.41	0.055	BR8ES	0.5	0.020	12V/120W
Panther 5000	AB50A1	CDI	15	1.41	0.055	BR8ES	0.5	0.020	12V/120W
Pantera	AC50F1	CDI	19.5	2.37	0.093	BR9ES	0.5	0.020	12V/120W
Cross Country	AB34F1	CDI	25	3.85	0.151	BR9ES	0.5	0.020	12V/120W
El Tigre 4000	AB44F1	CDI	18	2.02	0.080	BR8ES	0.5	0.020	12V/120W
El Tigre 5000	AD50F1	CDI	19.5	2.37	0.093	BR9ES	0.5	0.020	12V/120W

RESISTANCE TESTS

	ENGINE MODEL							
ITEM	AA28F1 AA34F1	AC44A1 AB50A1	AC50F1 AB34F1	AB44F1 AD50F1				
Ignition Coil – Primary	0.3 ± 15% W/BI↔B	0.3 ± 15% W/BI↔B	0.22 ± 15% W/BI↔B	0.3 ± 15% W/BI↔B				
– Secondary	1500 ± 20% HT↔HT	1500 ± 20% HT↔HT	5850 ± 20% HT↔HT	1500 ± 20% HT↔HT				
Lighting Coil	0.14 ± 10% Y↔Y	0.14 ± 10% Y↔Y	0.18 ± 10% Y↔Y	0.14 ± 10% Y↔Y				
Magneto Coils	1.8 ± 10% B/W↔B/R 170 ± 10% R/B↔B/W	1.8 ± 10% B/W↔B/R 170 ± 10% R/B↔B/W	127.5 ± 10% R/W↔Grnd 44 ± 10% R/W↔B/R	1.8 ± 10% B/W↔B/R 170 ± 10% R/B↔B/W				

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1977 ELECTRICAL SPECIFICATIONS

MODEL	ENGINE MODEL	IGNITION TYPE	IGNITION TIMING			SPARK PLUG (NGK)	GAP		LIGHTING COIL OUTPUT
			Degrees (BTDC)	mm	in.		mm	in.	
Lynx 2000S*	AB25F1	Breaker Point	22	3.00	0.118	BR8ES	0.5	0.020	12V/120W
Lynx 2000T	AA28F2	CDI	18	1.86	0.073	BR8ES	0.5	0.020	12V/120W
Jag 3000	AA34F2	CDI	18	1.86	0.073	BR8ES	0.5	0.020	12V/120W
Panther 4000	AC44A2	CDI	18	2.02	0.080	BR8ES	0.5	0.020	12V/150W
Cheetah 5000	AB50A2	CDI	18	2.02	0.080	BR9ES	0.5	0.020	12V/150W
Panther 5000	AB50A2	CDI	18	2.02	0.080	BR9ES	0.5	0.020	12V/150W
Pantera F/C	AE50A1	CDI	18	2.02	0.080	BR9ES	0.5	0.020	12V/150W
Pantera F/A	AC50F2	CDI	20	2.49	0.098	BR9ES	0.5	0.020	12V/120W
El Tigre 4000	AB44F2	CDI	18	2.02	0.080	BR9ES	0.5	0.020	12V/120W
El Tigre 5000	AD50F2	CDI	20	2.49	0.098	BR9ES	0.5	0.020	12V/120W
Kitty Cat*	AA06A1	Breaker Point	20	1.73	0.070	BR6HS	0.5	0.020	12V/30W

*Point gap on all breaker point ignitions is 0.3-0.4 (0.012-0.016 in.).

RESISTANCE TESTS

ENGINE MODEL

ITEM	AB25F1	AA28F2 AA34F2	AC44A2 AB50A2, AE50A1	AC50F2	AB44F2 AD50F2	AA06A1		
Ignition Coil — Primary	0.9 ± 15% W/BI ↔ B	0.3 ± 15% W/BI ↔ B	0.3 ± 15% W/BI ↔ B	0.22 ± 15% W/BI ↔ B	0.3 ± 15% W/BI ↔ B	1.7 ± 20% B ↔ Grnd		
— Secondary	7600 ± 20% HT ↔ Grnd	1500 ± 20% HT ↔ HT	1500 ± 20% HT ↔ HT	5850 ± 20% HT ↔ HT	1500 ± 20% HT ↔ HT	5100 ± 20% HT ↔ Grnd		
Lighting Coil	0.14 ± 10% Y ↔ Y	0.14 ± 10% Y ↔ Y	0.2 ± 10% Y ↔ Y	0.18 ± 10% Y ↔ Y	0.14 ± 10% Y ↔ Y	0.8 ± 10% Y ↔ Y		
Magneto Coils	3.82 ± 10% B ↔ Grnd	170 ± 10% R/B ↔ B/W 1.8 ± 10% B/W ↔ B/R	200 ± 10% R, W ↔ B 32 ± 10% G ↔ Grnd	127.5 ± 10% R/W ↔ Grnd 44 ± 10% R/W ↔ B/R	170 ± 10% R/B ↔ B/W 1.8 ± 10% B/W ↔ B/R	2.65 ± 10% B ↔ Br		

Wire Color Code: B-Black, BI-Blue, Br-Brown, W-White, R-Red, G-Green, Y-Yellow, Grnd-Ground

1978 ELECTRICAL SPECIFICATIONS

MODEL	ENGINE MODEL	IGNITION TYPE	IGNITION TIMING			SPARK PLUG (NGK)	GAP		LIGHTING COIL OUTPUT
			Degrees (BTDC)	mm	in.		mm	in.	
Lynx 2000S*	AB25F1	Breaker Point	22	3.00	0.118	BR8ES	0.5	0.020	12V/120W
Lynx 2000T	AA28F2,F3	CDI	18	1.86	0.073	BR8ES	0.5	0.020	12V/120W
Jag 2000	AA28F3	CDI	18	1.86	0.073	BR8ES	0.5	0.020	12V/120W
Jag 3000	AA34F3	CDI	16	1.44	0.056	BR8ES	0.5	0.020	12V/120W
Panther 4000	AC44A3	CDI	18	2.02	0.080	BR8ES	0.5	0.020	12V/150W
Panther 5000	AB50A3	CDI	18	2.02	0.080	BR9ES	0.5	0.020	12V/150W
Cheetah 5000	AB50A3	CDI	18	2.02	0.080	BR9ES	0.5	0.020	12V/150W
Pantera F/A	AC50F2	CDI	20	2.49	0.098	BR9ES	0.5	0.020	12V/120W
Pantera F/C	AE50A2	CDI	18	2.02	0.080	BR9ES	0.5	0.020	12V/150W
El Tigre 5000	AD50F3	CDI	20	2.49	0.098	BR9ES	0.5	0.020	12V/120W
El Tigre 6000	AF44L1	CDI	22	2.76	0.108	BR9ES	0.5	0.020	12V/120W
Kitty Cat*	AA06A2	Breaker Point	20	1.73	0.070	BR6HS	0.5	0.020	12V/30W

*Point gap on all breaker point ignitions is 0.3-0.4 mm (0.012-0.016 in.).

RESISTANCE TESTS

ITEM	ENGINE MODEL							
	AB25F1	AA28F2	AA28F3 AA34F3	AC44A3 AB50A3,AE50A2	AC50F2	AD50F3	AF44L1	AA06A2
Ignition Coil — Primary	0.9 $\pm$ 15% W/BI $\leftrightarrow$ B	0.3 $\pm$ 15% W/BI $\leftrightarrow$ B	0.22 $\pm$ 15% W/BI $\leftrightarrow$ B/W	0.23 $\pm$ 15% W/BI $\leftrightarrow$ B	0.22 $\pm$ 15% W/BI $\leftrightarrow$ B/W	0.22 $\pm$ 15% W/BI $\leftrightarrow$ B	0.22 $\pm$ 15% W/BI $\leftrightarrow$ B	1.7 $\pm$ 20% B $\leftrightarrow$ Grnd
— Secondary	7600 $\pm$ 20% HT $\leftrightarrow$ Grnd	1500 $\pm$ 20% HT $\leftrightarrow$ HT	5850 $\pm$ 20% HT $\leftrightarrow$ HT	1400 $\pm$ 20% HT $\leftrightarrow$ HT	5850 $\pm$ 20% HT $\leftrightarrow$ HT	1400 $\pm$ 20% HT $\leftrightarrow$ HT	1400 $\pm$ 20% HT $\leftrightarrow$ HT	5100 $\pm$ 20% HT $\leftrightarrow$ Grnd
Lighting Coil	0.14 $\pm$ 10% Y $\leftrightarrow$ Y	0.14 $\pm$ 10% Y $\leftrightarrow$ Y	0.18 $\pm$ 10% Y $\leftrightarrow$ Y	0.17 $\pm$ 10% Y $\leftrightarrow$ Y	0.18 $\pm$ 10% Y $\leftrightarrow$ Y	0.17 $\pm$ 10% Y $\leftrightarrow$ Y	0.17 $\pm$ 10% Y $\leftrightarrow$ Y	0.8 $\pm$ 10% Y $\leftrightarrow$ Y
Magneto Coils	3.82 $\pm$ 10% B $\leftrightarrow$ Grnd	170 $\pm$ 10% R/B $\leftrightarrow$ B/W 1.8 $\pm$ 10% B/W $\leftrightarrow$ B/R	127.5 $\pm$ 10% R/W $\leftrightarrow$ B/W 44 $\pm$ 10% B/R $\leftrightarrow$ R/W	200 $\pm$ 10% R $\leftrightarrow$ B 1.5 $\pm$ 10% W $\leftrightarrow$ R 31.2 $\pm$ 10% G $\leftrightarrow$ B	127.5 $\pm$ 10% R/W $\leftrightarrow$ Grnd 44 $\pm$ 10% R/W $\leftrightarrow$ B/R	200 $\pm$ 10% R/B $\leftrightarrow$ B/R 1.8 $\pm$ 10% B/W $\leftrightarrow$ B/R	200 $\pm$ 10% R/B $\leftrightarrow$ B/R 1.8 $\pm$ 10% B/W $\leftrightarrow$ B/R	2.65 $\pm$ 10% B $\leftrightarrow$ Br

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			Degrees (BTDC)	mm	in.		mm	in.	
Lynx 2000S*	AB25F3	Breaker Point	18	2.02	0.079	BR9ES	0.5	0.020	12V/120W
Lynx 2000T	AA28F4	CDI	18	1.86	0.073	BR8ES	0.5	0.020	12V/120W
Jag 2000	AA28F4	CDI	18	1.86	0.073	BR8ES	0.5	0.020	12V/120W
Jag 3000 F/A	AA34F4	CDI	18	1.86	0.073	BR8ES	0.5	0.020	12V/120W
Jag 3000 F/C	AF34A1	CDI/NCI	18	1.86	0.073	BR8ES	0.5	0.020	12V/150W
Trail Cat	AF34A1	CDI/NCI	18	1.86	0.073	BR8ES	0.5	0.020	12V/150W
Panther	AB50A4	CDI	18	2.02	0.080	BR9ES	0.5	0.020	12V/150W
Pantera	AE50A3	CDI	18	2.02	0.080	BR9ES	0.5	0.020	12V/150W
El Tigre 5000	AD50F4	CDI	20	2.49	0.098	BR9ES	0.5	0.020	12V/120W
El Tigre 6000	AF44L2	CDI	22	2.76	0.108	BR9ES	0.5	0.020	12V/120W
Kitty Cat*	AA06A3	Breaker Point	20	1.73	0.070	BR6HS	0.5	0.020	12V/30W

*Point gap on all breaker point ignitions is 0.3-0.4 mm (0.012-0.016 in.).

RESISTANCE TESTS

ITEM	ENGINE MODEL							
	AB25F3	AA28F4 AA34F4	AF34A1	AB50A4 AE50A3	AD50F4	AF44L2	AA06A3	
Ignition Coil — Primary	0.9 ± 15% W/BI↔B	0.22 ± 15% W/BI↔B/W	0.4 ± 15% W/BI↔B	0.3 ± 15% W/BI↔B	0.22 ± 15% W/BI↔B	0.22 ± 15% W/BI↔B	1.7 ± 20% B↔Grnd	
—Secondary	7600 ± 20% HT↔Grnd	5850 ± 20% HT↔HT	3500 ± 20% HT↔HT	1400 ± 20% HT↔HT	1400 ± 20% HT↔HT	1400 ± 20% HT↔HT	5100 ± 20% HT↔Grnd	
Lighting Coil	0.14 ± 10% Y↔Y	0.18 ± 10% Y↔Y	0.14 ± 10% Y↔Y	0.17 ± 10% Y↔Y	0.17 ± 10% Y↔Y	0.17 ± 10% Y↔Y	0.8 ± 10% Y↔Y	
Magneto Coils	3.82 ± 10% B↔Grnd	44 ± 10% B/R↔R/W 127 ± 10% R/W↔B/W	148.5 ± 10% R↔B 1.9 ± 10% W↔R 31.2 ± 10% G↔B	200 ± 10% R↔B 1.5 ± 10% W↔R 31.2 ± 10% G↔B	200 ± 10% R/B↔B/R 1.8 ± 10% B/R↔B/W	200 ± 10% R/B↔B/R 1.8 ± 10% B/R↔B/W	2.65 ± 10% B↔Br	

Wire Color Code: B-Black, BI-Blue, Br-Brown, W-White, R-Red, G-Green, Y-Yellow, Grnd-Ground

1981 ELECTRICAL SPECIFICATIONS

MODEL	ENGINE MODEL	IGNITION MANUFACTURER	IGNITION TIMING			SPARK PLUG (NGK)	SPARK PLUG GAP		LIGHTING COIL OUTPUT
			Degrees	mm	in.		mm	in.	
Jag	AG44A2	Nippon Denso	18	2.034	0.080	BR9ES	0.5	0.020	12V/150W
Trail Cat	AG44A1	Nippon Denso	18	2.034	0.080	BR9ES	0.5	0.020	12V/150W
Panther	AG44A2	Nippon Denso	18	2.034	0.080	BR9ES	0.5	0.020	12V/150W
Pantera	AL50A2	Nippon Denso	18	2.023	0.080	BR9ES	0.5	0.020	12V/150W
El Tigre 5000	AD50F6	Nippon Denso	20	2.489	0.098	BR9ES	0.5	0.020	12V/120W
El Tigre 6000	AH50L2	Kokusan Denki	25	3.854	0.151	BR10EV	0.5	0.020	12V/120W
Kitty Cat	AA06A5	Kokusan Denki	20	1.728	0.068	BR6HS	0.5	0.020	12V/30W

RESISTANCE TESTS

ENGINE MODEL						
ITEM	AA06A5	AG44A1	AG44A2	AL50A2	AD50F6	AH50L2
Ignition Coil - Primary	$1.7 \pm 20\%$ B ↔ Ground	$0.33 \pm 15\%$ W/BI ↔ B	$0.33 \pm 15\%$ W/BI ↔ B	$0.33 \pm 15\%$ W/BI ↔ B	$0.33 \pm 15\%$ W/BI ↔ B	$0.22 \pm 15\%$ W/BI ↔ B/W
Ignition Coil - Secondary	$5100 \pm 20\%$ HT ↔ Ground	$3500 \pm 20\%$ HT ↔ HT	$3500 \pm 15\%$ HT ↔ HT	$3500 \pm 20\%$ HT ↔ HT	$3500 \pm 20\%$ HT ↔ HT	$5850 \pm 15\%$ HT ↔ HT
Lighting Coil	$0.8 \pm 10\%$ Y ↔ Y	$0.14 \pm 10\%$ Y ↔ Y	$0.14 \pm 10\%$ Y ↔ Y	$0.14 \pm 10\%$ Y ↔ Y	$0.14 \pm 10\%$ Y ↔ Y	$0.18 \pm 10\%$ Y ↔ Y
Magneto Coils	$2.65 \pm 10\%$ B ↔ Br	$148.5 \pm 10\%$ R ↔ B $1.9 \pm 10\%$ W ↔ R $31.2 \pm 10\%$ G ↔ Ground	$148.5 \pm 10\%$ R ↔ B $1.9 \pm 10\%$ W ↔ R $31.2 \pm 10\%$ G ↔ Ground	$148.5 \pm 10\%$ R ↔ B $1.9 \pm 10\%$ W ↔ R $31.2 \pm 10\%$ G ↔ Ground	$88.5 \pm 10\%$ B/W ↔ R/B	$127.5 \pm 10\%$ R/W ↔ B/W $46.5 \pm 10\%$ R/W ↔ B/R
Spark Plug Cap	$5000 \pm 10\%$	$5000 \pm 10\%$	$5000 \pm 10\%$	$5000 \pm 10\%$	$5000 \pm 10\%$	$5000 \pm 10\%$

Wire Color Code: B-Black, BI-Blue, W-White, Y-Yellow, R-Red, G-Green, Br-Brown

1980 ELECTRICAL SPECIFICATIONS

MODEL	ENGINE MODEL	IGNITION TYPE	IGNITION TIMING			SPARK PLUG (NGK)	GAP		LIGHTING COIL OUTPUT
			Degrees (BTDC)	mm	in.		mm	in.	
Lynx 2000S	AB25F4	CDI/NCI	18	2.022	0.080	BR9ES	0.5	0.020	12V/120W
Lynx 2000T	AA28F5	CDI/NCI	18	1.860	0.073	BR8ES	0.5	0.020	12V/120W
Jag 2000	AA28F5	CDI/NCI	18	1.860	0.073	BR8ES	0.5	0.020	12V/120W
Jag 3000 F/A	AA34F5	CDI/NCI	18	1.860	0.073	BR8ES	0.5	0.020	12V/120W
Jag 3000 F/C	AF34A2	CDI/NCI	18	1.860	0.073	BR8ES	0.5	0.020	12V/150W
Trail Cat 3000	AF34A2	CDI/NCI	18	1.860	0.073	BR8ES	0.5	0.020	12V/150W
Trail Cat 4000	AG44A1	CDI/NCI	18	2.022	0.080	BR9ES	0.5	0.020	12V/150W
Panther	AG44A1	CDI/NCI	18	2.022	0.080	BR9ES	0.5	0.020	12V/150W
Pantera	AH50A1	CDI/NCI	18	2.022	0.080	BR9ES	0.5	0.020	12V/150W
El Tigre 5000	AD50F5	CDI/NCI	20	2.489	0.098	BR9ES	0.5	0.020	12V/120W
El Tigre 6000	AH50L1	CDI/NCI	25	3.854	0.151	BR10EV	0.5	0.020	12V/120W
Kitty Cat*	AA06A4	Breaker Point	20	1.728	0.070	BR6HS	0.5	0.020	12V/30W

*Point gap on breaker point ignition is 0.3-0.4 mm (0.012-0.016 in.).

RESISTANCE TESTS

ITEM	ENGINE MODEL							
	AB25F4	AA28F5	AA34F5	AF34A2 AG44A1	AA06AA	AL50A1	AD50F5	AH50L1
Ignition Coil — Primary	0.17 ± 15% W/BI↔Br	0.22 ± 15% W/BI↔B/W	0.22 ± 15% W/BI↔B/W	0.33 ± 15% W/BI↔B	1.7 ± 20% B↔Grnd	0.33 ± 15% W/BI↔B	0.33 ± 15% W/BI↔B	0.22 ± 15% W/BI↔B/W
— Secondary	810 ± 20% HT↔W/BI	5850 ± 20% HT↔HT	5850 ± 20% HT↔HT	3500 ± 20% HT↔HT	5100 ± 20% Ht↔Grnd	3500 ± 20% HT↔HT	3500 ± 20% HT↔HT	5850 ± 15% HT↔HT
Lighting Coil	0.14 ± 10% Y↔Y	0.18 ± 10% Y↔Y	0.18 ± 10% Y↔Y	0.14 ± 10% Y↔Y	0.8 ± 10% Y↔Y	0.14 ± 10% Y↔Y	0.14 ± 10% Y↔Y	0.18 ± 10% Y↔Y
Magneto Coils	88.5 ± 10% B/W↔R/B	127.5 ± 10% R/W↔B/W 44 ± 10% B/R↔R/W	127.5 ± 10% R/W↔B/W 44 ± 10% B/R↔R/W	148.5 ± 10% R↔B 1.9 ± 10% W↔R 31.2 ± 10% G↔Grnd	2.65 ± 10% B↔Br	148.5 ± 10% R↔B 1.9 ± 10% W↔R 31.2 ± 10% G↔Grnd	88.5 ± 10% B/W↔R/B	127.5 ± 10% R/W↔B/W 46.5 ± 10% R/W↔B/R

Wire Color Code: B-Black, BI-Blue, Br-Brown, W-White, R-Red, G-Green, Y-Yellow, Grnd-Ground

CLOSED SYSTEM

1994 ELECTRICAL SPECIFICATIONS

MODEL	ENGINE MODEL	IGNITION MANUFACTURER	IGNITION TIMING			SPARK PLUG (HKG)	SPARK PLUG GAP		LIGHTING COIL OUTPUT
			Degrees	mm	in.		mm	in.	
Kitty Cat®	AE08A8	Kokusan Denki	20	1.728	0.068	BR6HS	0.7	0.028	12V/35W
Puma®	AG34A4	Kokusan Denki	16*	1.473	0.058	BR9ES	0.7	0.028	12V/150W
Cheetah® 340	AG34A4-A	Kokusan Denki	16*	1.473	0.058	BR9ES	0.7	0.028	12V/150W
Cheetah® 440 - Jag® Z™	AK44A6-B	Kokusan Denki	18*	2.034	0.080	BR9ES	0.7	0.028	12V/150W
Jag® Models	AK44A6-A	Kokusan Denki	18*	2.034	0.080	BR9ES	0.7	0.028	12V/150W
Panther® Deluxe	AK44A8-A	Kokusan Denki	18*	2.034	0.080	BR9ES	0.7	0.028	12V/150W
Cougar® & Cougar® Mountain Cat®	AL44L4	Mitsubishi Denki	18***	1.836	0.073	BR9ES	0.7	0.028	12V/200W
Cheetah® 550	AA55L4	Kokusan Denki	24*	3.540	0.139	BR9ES	0.7	0.028	12V/150W
Pantera® EFI	AB55L3	Kokusan Denki	30**	5.459	0.215	BR9ES	0.7	0.028	12V/240W
EXT® 580 (Carburetor Models)	AA58L3	Kokusan Denki	25*	3.834	0.151	BR9ES	0.7	0.028	12V/150W
EXT® EFI & EXT® EFI Mountain Cat®	AB58L2	Kokusan Denki	30**	5.459	0.215	BR9ES	0.7	0.028	12V/240W
ZR™ 440	AN44L2	Kokusan Denki	24*	3.240	0.127	BR9ES	0.7	0.028	12V/150W
Prowler® & Prowler® 2-Up	AP44L4	Mitsubishi Denki	30**	5.040	0.198	BR9ES	0.7	0.028	12V/240W
ZR™ 580	AC58L1	Kokusan Denki	25*	3.834	0.151	BR9ES	0.7	0.028	12V/150W
ZR™ 700	AD70L1	Kokusan Denki	21*	2.831	0.111	BR9ES	0.7	0.028	12V/150W
Wildcat® EFI & Wildcat® EFI Mountain Cat®	AC70L4	Kokusan Denki	30**	5.671	0.223	BR9ES	0.7	0.028	12V/240W
Thundercat™	AA90L2	Kokusan Denki	23***	3.205	0.126	BR9ES	0.7	0.028	12V/150W

*Timing must be done at 6000 RPM with the engine at operating temperature.

**Timing must be done at 4000 RPM. Timing doesn't change from cold to hot engine.

***Timing must be done at 6000 RPM. Timing doesn't change from cold to hot engine.

TRIGGER OIP
P-RW B/R (80L)

RESISTANCE TESTS

CHARGE COIL OIP

R/W B/W N (50H)

CDI - OUTPUT
w/B B/W (75H)

ITEM	KOKUSAN DENKI KITT Y CAT	MITSUBISHI DENKI IGNITION	(All Models except EFI & 900cc)	KOKUSAN DENKI IGNITION			
				900cc	700 EFI	550 EFI & 580 EFI	440 EFI
Ignition Coil - Primary	N/A	0.092 ± 15% OR ↔ B/W	0.30 ± 15% B/W ↔ W/BL	0.34 ± 15% W ↔ B	0.30 ± 15% W/BL ↔ B/W	0.30 ± 15% W/BL ↔ B/W	0.092 ± 15% OR ↔ B/W
Ignition Coil - Secondary	5900 ± 20% HT ↔ GRND	4100 ± 15% HT ↔ HT	6300 ± 20% HT ↔ HT	7900 ± 20% HT ↔ HT HT ↔ W	6300 ± 20% HT ↔ HT	6300 ± 20% HT ↔ HT	4100 ± 15% HT ↔ HT
Lighting Coil	1.35 ± 20% Y ↔ Y	0.11 ± 10% Y ↔ Y	0.22 ± 20% Y ↔ Y	0.20 ± 20% Y ↔ Y	0.14 ± 20% Y ↔ BR	0.14 ± 20% Y ↔ BR	0.25 ± 20% Y ↔ B
Battery Charge Coil	N/A	N/A	N/A	N/A	0.20 ± 20% Y/R ↔ Y/R	0.20 ± 20% Y/R ↔ Y/R	0.72 ± 20% Y/R ↔ Y/R
Magneto Coil (Charge) (Trigger)	117 ± 20% B ↔ GRND	1260 ± 10% G ↔ B/W 15.9 ± 10% W/R ↔ B/W	160 ± 20% R/W ↔ B/W 17 ± 20% B/R ↔ R/W	479 ± 20% G/R ↔ BR/W 25.7 ± 20% B/R ↔ G/R	450 ± 20% BR ↔ G 45 ± 20% B ↔ G	450 ± 20% BR ↔ G 45 ± 20% B ↔ G	N/A N/A
Ignition Timing Sensor	N/A	N/A	N/A	185 ± 20% R/W ↔ G/W	101 ± 20% G/W ↔ BR	190 ± 20% G/W ↔ BR	190 ± 20% G/W ↔ BR
Injection Timing Sensor	N/A	N/A	N/A	N/A	190 ± 20% W/B ↔ BR	190 ± 20% W/B ↔ BR	190 ± 20% W/B ↔ BR
Spark Plug Cap	5000 ± 20%	5000 ± 20%	5000 ± 20%	5000 ± 20%	5000 ± 20%	5000 ± 20%	5000 ± 20%

Wire Color Code:
 B - Black
 BL - Blue
 W - White
 Y - Yellow
 R - Red
 G - Green
 BR - Brown
 GRND - Ground
 OR - Orange

NOTE: EFI Models must use both resistor type spark plugs and spark plug caps.

SPECIFICATIONS

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Description	Test Value	Test Connections	
	Resistance Test	+	-
Ignition Coil			
Primary	0.092 ohm $\pm$ 15%	orange	black/white
Secondary	4100 ohms $\pm$ 15%	high tension lead	high tension lead
Charge Coil	1260 ohms $\pm$ 10%	green	black/white
Igniter Coil	15.9 ohms $\pm$ 10%	white/red	black/white
Lighting Coil	0.11 ohm $\pm$ 10%	yellow	yellow
Spark-Plug Cap	5000 ohms $\pm$ 20%	cap	cap
Description	Output Test*	+	-
Ignition Coil	85 HIGH	high tension lead	ground
Ignition Unit	72 HIGH	white/black	orange
Charge Coil	80 LOW	green	ground
Igniter Coil	80 LOW	white/red	black/white
Lighting Coil	80 LOW	yellow	yellow
Description	Peak Voltage Output Test (Arctco Ignition Analyzer)		
Ignition M	2000	3000	4000
Charge Coil***	188V	184V	123V
Igniter Coil	33V	54V	75V
Lighting Coil****	176V	173V	163V
Ignition Timing**	25V	37V	50V
Ignition Timing**	18° BTDC @ 6000 rpm 1.836 mm (0.072 in.)		
Lighting Coil Output	12V/200W		
Spark Plug	NGK BR9ES		
Spark-Plug Gap	0.7 mm (0.028 in.)		

With CDI Model 1L Tester.

Engine timing must be checked with the engine at normal operating temperature. There is a 2 degree difference between a cold and hot engine.

The voltage reading on the charge coil may be much higher as a large negative spike is sometimes present and may be picked up by the analyzer.

Unregulated voltage output.