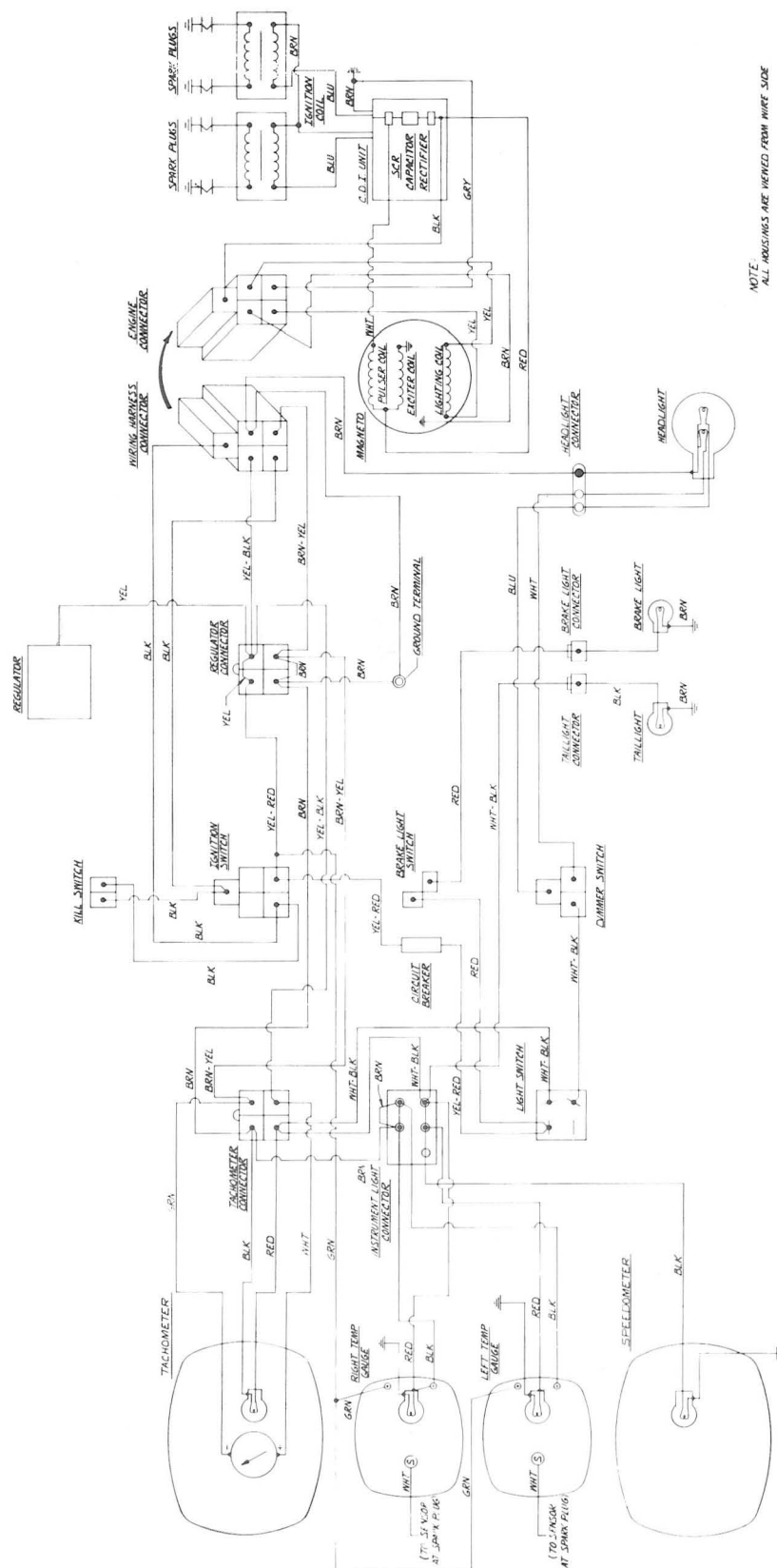


1974 WIRING DIAGRAM

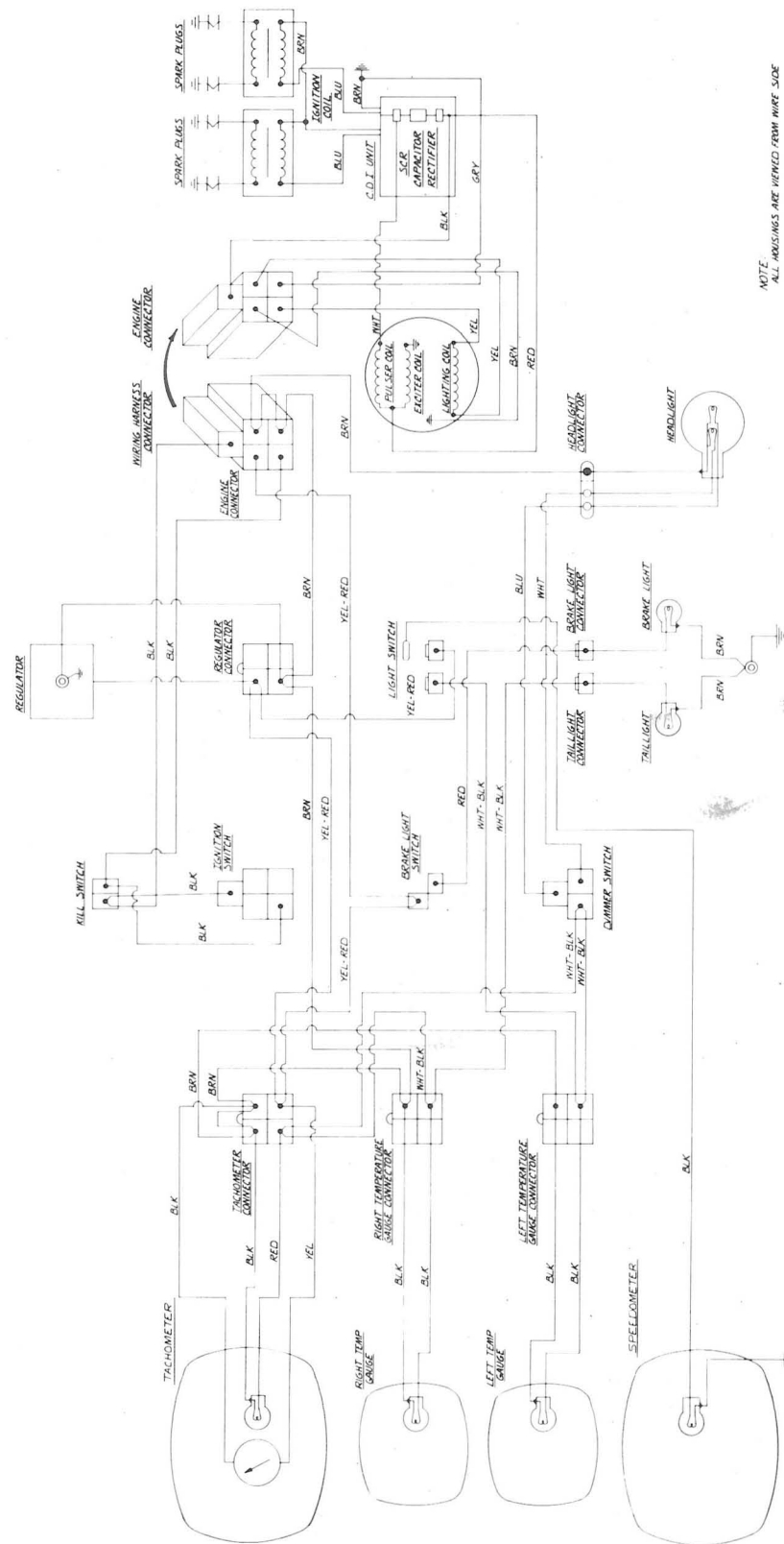
Fig. IV-1



NOTE:
ALL WIRINGS ARE VIEWED FROM WHT. SIDE

1975 WIRING DIAGRAM

Fig. IV-2



SWITCHES AND CONNECTORS

Fig. IV-3

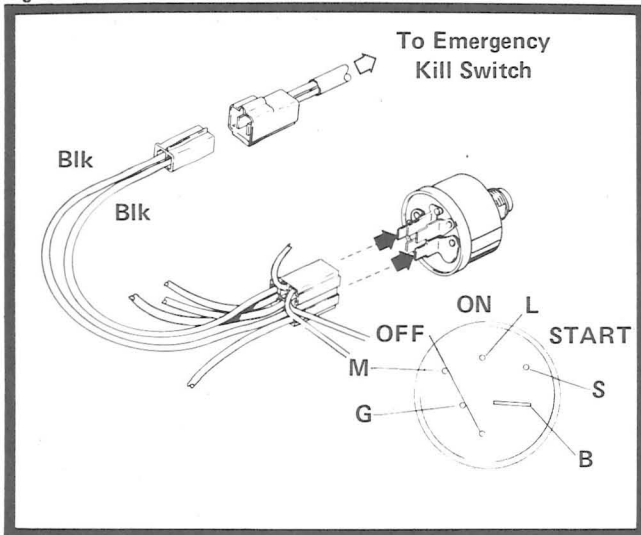


Fig. IV-6

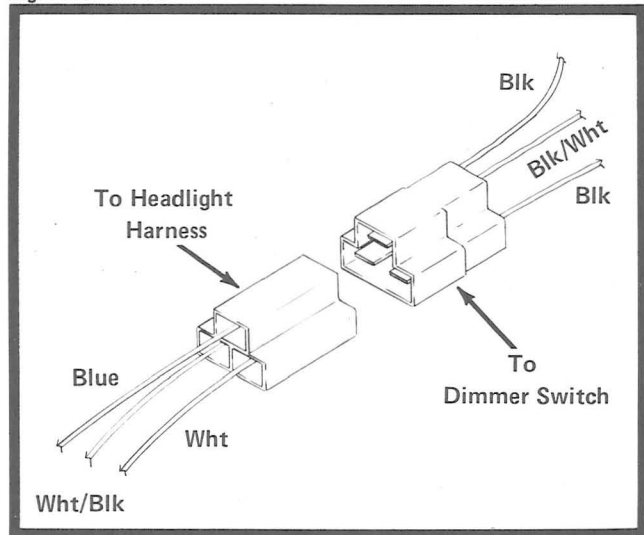


Fig. IV-4

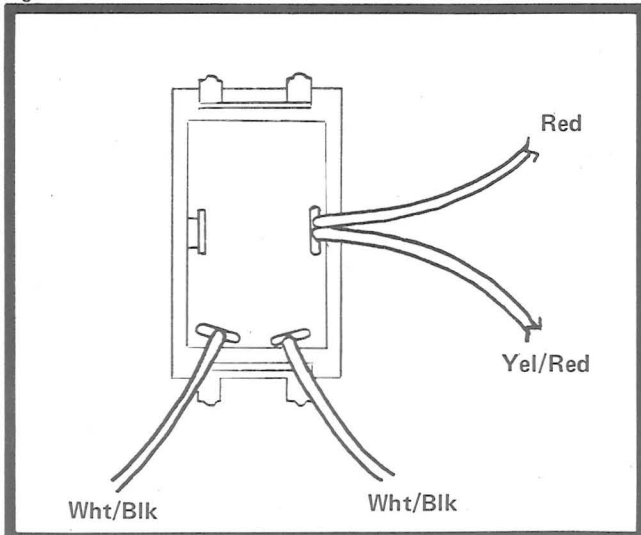


Fig. IV-7

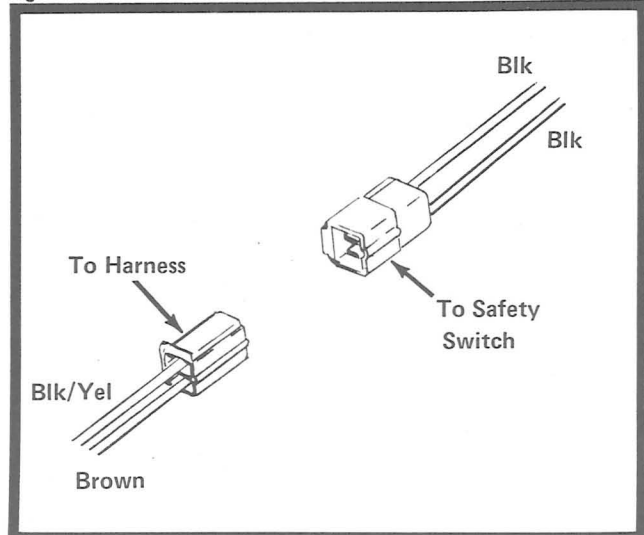


Fig. IV-5

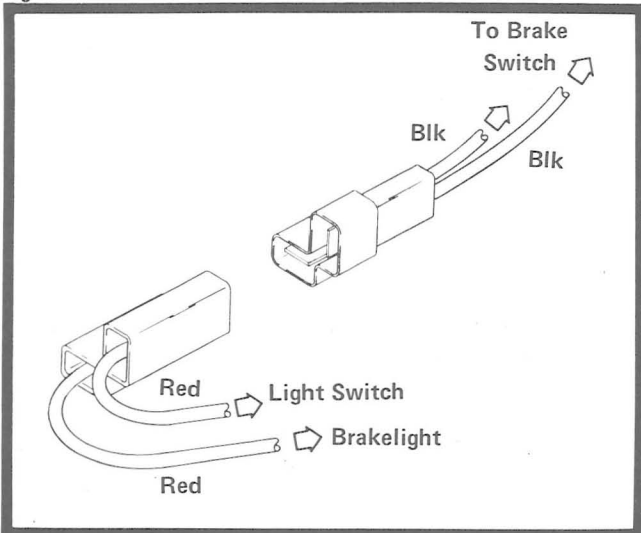
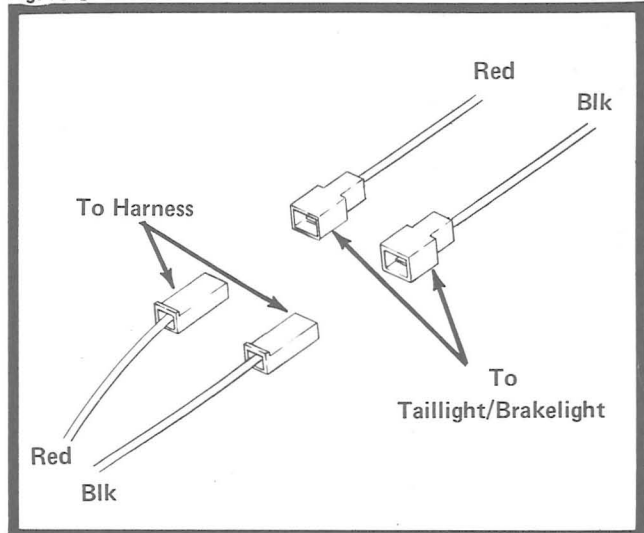


Fig. IV-8



ELECTRICAL SPECS. - 1974 T1C

Description	Arctic P/N	Test Value	Tester Connections	
Ohm Meter Test				
Spark Plug Cap	3001-469	975 Ohms	Leads to opposite ends on spark plug cap	
Ignition Coil	3001-067			
Primary		0.365 Ohms	+To Blue	—To Brown
Secondary		10,200 Ohms	+To #1 H.T. Lead	—To #2 H.T. Lead
Excitor Coil	3001-053	195 Ohms	+To Red	—To Ground
Pulser Coil	3001-054	23.5 Ohms	+To Red	—To White
Lighting Coil	3001-055	0.18 Ohms	+To Yellow	—To Remaining Yellow
Output Test With Electro Specialties CDI Tester Model #1				
Ignition Coil	3001-067	55	+To Ground	—To #2 High Tension
Exciter Coil	3001-053	40	+To Ground	—To Red Fr. Stator
Pulser Coil	3001-054	40	+To Ground	—To White Fr. Stator
CDI Unit	3001-068	40	+To Brown	—To Blue, Leave Other Blue Open
Voltmeter Test				
Lighting Coil	3001-055	12-15 Volts	+To Yellow Red At Light Switch	—To Ground

CAUTION

Voltage is AC. Caution should be used if tests are conducted with a defective voltage regulator or with the regulator disconnected. Voltage may rise to several hundred volts at high engine rpm if regulator is defective.

Replacement Components				Mfg. No.
Spark Plug	0217-032	0.016 Gap	Feeler Gauge	BR-9EVA
Head Light	0109-179			4454
Taillight	0109-460			1035
Brakelight	0109-460			1035
Speedometer Bulb	0109-453			53
Tachometer Bulb				1893
Temp. Gauge Bulb	0109-453			53

Note: All tolerances of test values are plus or minus 10% unless otherwise specified.

ELECTRICAL SPECS. - 1974 T7B

Description	Arctic P/N	Test Value	Tester Connections	
Ohmmeter Test				
Spark Plug Cap	3001-469	975 Ohms	Leads to opposite Ends of Spark Plug Cap	
No. 1	3001-136			
No. 2	3001-137			
Ignition Coil				
Primary		0.365 Ohms	+To Blue	—To Ground
Secondary		10,200 Ohms	+To High Tension Lead	—To Other High Tension Lead
Excitor Coil	3001-129	295 Ohms	+To Red	—To Ground
Pulser Coil	3001-130	23.5 Ohms	+To Red	—To White
Lighting Coil	3001-055	0.18 Ohms	+To Yellow	—To Remaining Yellow
Output Test With Electro Specialties CDI Tester Model #1				
Ignition Coil (Both)	3001-136, 3001-137	55		
Excitor Coil	3001-129	50	+To Ground	—To Red from Stator
Pulser Coil	3001-130	50	+To Ground	—To White from Stator
CDI Unit	3001-479	70	+To Brown	—To Blue, Ground other Blue; then reverse Blues
Voltmeter Test				
Lighting Coil	3001-055	12-15 Volts	+To Yellow Red at Light Switch	—To Ground

CAUTION

Voltage is AC. Caution should be used if tests are conducted with a defective voltage regulator, or with the regulator disconnected. Voltage may rise to several hundred volts at high engine rpm if regulator is defective.

Replacement Components			Mfg. No.
Spark Plug	0217-032	0.016 Gap	BR-9EVA
Headlight	0109-179		4454
Taillight Bulb	0109-460		1035
Brakelight Bulb	0109-460		1035
Speedometer Bulb	0109-453		53
Tachometer Bulb			1893
Temperature Gauge Bulb	0109-453		53

Note: All tolerances of test values are plus or minus 10% unless otherwise specified.

ELECTRICAL SPECS. - 1975

Description	Arctic P/N	Test Value	Tester Connections	
Ohmmeter Test				
Spark Plug Cap	3001-469	975 Ohms	Lead to opposite ends of spark plug cap	
Ignition Coil	3001-594			
Primary		0.365 Ohms	+To Blue	—To Brown
Secondary		10,200 Ohms	+To High Tension Lead	—To Other High Tension Lead
Excitor Coil	3001-129	295 Ohms	+To Red	—To Ground
Pulser Coil	3001-130	23.5 Ohms	+To Red	—To White
Lighting Coil	3001-589	0.18 Ohms	+To Yellow	—To Yellow
Output Test With Electro Specialties CDI Tester Model #1				
Ignition Coil	3001-594	55		
Exciter Coil	3001-129	50	+To Ground	—To Red Fr. Stator
Pulser Coil	3001-130	50	+To Ground	—To White Fr. Stator
CDI Unit	3001-597	70	+To Brown	—To Blue, Ground Other Blue; then reverse Blues
Voltmeter Test				
Lighting Coil	3001-589	12-15 Volts	+To Yellow Red At Light Switch	—To Ground

● CAUTION ●

Voltage is AC. Caution should be used if tests are conducted with a defective voltage regulator, or with the regulator disconnected. Voltage may rise to several hundred volts at high engine rpm if regulator is defective.

Replacement Components				
Spark Plug	0217-032	0.016 Gap	Feeler Gauge	BR-9EVA
Headlight	0109-558			
Taillight	0109-460			1035
Brakelight	0109-460			1035
Speedometer Bulb	0109-453			53
Tachometer Bulb				1893
Temp. Gauge Bulb	0109-453			53

Note: All tolerances of test values are plus or minus 10% unless otherwise specified.