

325 CU. IN. ENGINE
354 CU. IN. ENGINE

COMP. RATIO 9.25-1 — 10.0-1

COMP. PRES. 90-155 PSI
MAX. VAR. 15 PSI

FIRING ORDER 1-8-4-3-6-5-7-2

IGNITION COIL

Autolite CAH4001

PRI. RES. 1.65-1.79 OHMS
SEC. RES. 8000-9200 OHMS
TEST SET LINE 8

PU4003

BALLAST RESISTOR

.665-.735 OHMS @ 80°F

CONDENSER CAPACITY

.25-.285 MFD

SPARK PLUGS

D500 — AR32
D500-1 — AGR32
GAP — .035"
TORQUE 30/32 FT/LBS.

IDLE SPEED

STAND. TRANS. 450-500
AUTO. TRANS. 475-500 N

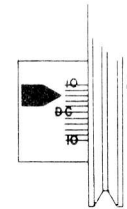
IGNITION TIMING

STAND. TRANS. 6° BTDC @ 500 RPM
AUTO. TRANS. 6° BTDC @ 500 RPM

IGNITION ADVANCE

AT 2500 RPM

TOTAL	CENT. ONLY
EARLY PROD. — 33-41°	14-18°
LATE PROD. — 34-42°	10-14°



EARLY PROD. DISTRIBUTOR LATE PROD.

IBK4301A	Auto Lite	IBP4002D
C	Rotation	C
17-20 Oz.	Spring Tension	17-20 Oz.
29-32° EACH	Dwell	29-32°
36-39° BOTH	Gap	.015-.018"
.015-.018"	Dwell Variation	12° MAX.
3° MAX.		

DISTRIBUTOR MECHANICAL ADVANCE

IBK4301A		IBP4002D	
DIST. DEG.	DIST RPM	DIST. DEG.	DIST. RPM
0°	350-450	0°	250-450
0-4 1/2°	450	0-1.9°	450
2 3/4-4 3/4°	490	4-6°	900
7-9°	1260	8-10°	2400

VACUUM ADVANCE

IBK4301A		IBP4002D	
DIST. DEG.	VAC.	DIST. DEG.	VAC.
0°	8.3-9.9"	0°	10-11"
5-7 1/2°	14"	6-9°	14"
9-11 1/2°	18"	12-14°	17 3/4"

SECONDARY RESISTANCE — 3.0 MIN.

LATE PROD. GENERATORS STAND. W/AIR COND.

GJC7012A	Auto Lite	GHM6004C
A	Circuit Type	A
30A @ 15V	Output	30A @ 15V
2250	GEN. RPM	1500
1050	ENG. RPM	710
Field Current		
1.2-1.3A @ 10V @ 70°F	1.1-1.3A @ 10V @ 70°F	

BATTERY

53AH NEG. GRD.
CRANKING VOLTAGE
MIN. 9.6V

LATE PROD. REGULATORS STAND. W/AIR COND.

VRX6201A	Auto Lite	VRX6201A
A	Circuit Type	A
Cutout Relay		
13.0-13.75V	Closing Volts	
0-6A	Open Amps	
.031-.034"	Air Gap	
.015"	Point Gap	
Volt Reg.		
14.2-14.8V	Setting	
.048-.052"	Air Gap	
Current Reg.		
28-32A	Setting	
.048-.052"	Air Gap	

CHARGING CIRCUIT RESISTANCE

(Volts @ 20 Amps)

INS. CIRC. 1.0V
GRD. CIRC. .1V
REG. GRD. .1V

CHARGING VOLTAGE
13.9-14.6V

FUEL PUMP

PRES.
6-7 PSI @ 500 RPM

VOL.
1 QT.-60 SEC. @ 500 RPM

VAC.
10" @ 500 RPM

IGNITION ADVANCE

AT 2500 RPM

TOTAL	CENT. ONLY
33-41°	14-18°

DISTRIBUTOR MECHANICAL ADVANCE

DIST. RPM	DIST. DEG.
350-450	Start
450	0-4½°
700	4-6°
1200	7-9°

VACUUM ADVANCE

VAC.	DIST. DEG.
8¼-9.8"	0°
14"	5-7.6°
18"	9-11½°

D500-1	DISTRIBUTOR	2-4BBL
IBS4005	Auto Lite	IBS4005
	Rotation	C
	Spring Tension	17-20 Oz.
29-32° EACH	Dwell	36-39° BOTH
	Gap	.015-.018"
	Dwell Variation	3° MAX.

SECONDARY RESISTANCE — 3.0 MIN.

OPTIONAL EQUIPMENT

EARLY PROD. GENERATORS

STAND.	Auto Lite	SPEC. EQUIP.
GJC7012D	Auto Lite	GGA6001AC
A	Circuit Type	A
30A @ 15V	Output	40A @ 15V
2250	GEN. RPM	1600
1125	ENG. RPM	800
Field Current		
1.2-1.3A @ 10V @ 70°F 1.1-1.3A @ 10V 70°F		

BATTERY

STAND. TRANS.
W/AIR COND.
CRANKING VOLTAGE
MIN.

EARLY PROD. REGULATORS

STAND.	Auto Lite	SPEC. EQUIP.
VRX6201A	Auto Lite	VAT6201A
A	Circuit Type	A
	Cutout Relay	
13.0-13.75V	Closing Volts	13.0-13.75V
0-6A	Open Amps	3-5A
.031-.034"	Air Gap	.031-.034"
.015"	Point Gap	.015"
Volt Reg.		
14.2-14.8V	Setting	14.2-14.8V
.048-.052"	Air Gap	.048-.052"
Current Reg.		
28-32A	Setting	38-42A
.048-.052"	Air Gap	.048-.052"

OPTIONAL EQUIPMENT

GENERATORS

TAXI	Auto Lite
GHM6004A	Auto Lite
A	Circuit Type
30A @ 15V	Output
1500	GEN. RPM
750	ENG. RPM
Field Current	
1.1-1.3A @ 10V 70°F	

BATTERY

STAND. TRANS.
W/AIR COND.
CRANKING VOLTAGE
MIN.

REGULATORS

TAXI	Auto Lite
VRX6201A	Auto Lite
A	Circuit Type
	Cutout Relay
13.0-13.75V	Closing Volts
0-6A	Open Amps
.031-.034"	Air Gap
.015"	Point Gap
Volt Reg.	
14.2-14.8V	Setting
.048-.052"	Air Gap
Current Reg.	
28-32A	Setting
.048-.052"	Air Gap