

BLUE BIRD wanderlodge®

FORT VALLEY, GEORGIA

1990
1969 WANDERLODGE 8

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BLUE BIRD CONTINUALLY ENDEAVORS TO IMPROVE ITS PRODUCT AND RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE

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NOTE: These forms are available in reasonable quantity to use as sales aids.

Please order extra copies of the desired forms by the WL number found in the lower corner.

<u>SECTION</u>	<u>FORM NO.</u>	<u>TOPIC</u>
<u>SELLING PRICE</u>	PL 7052 ² WL	
	WL 69512	WANDERLODGE SELLING PRICE
	WL 69512 PL 7052-WL	WANDERLODGE OPTIONAL EQUIPMENT SELLING PRICE
<u>SALES POLICY</u>	60 (WL 1)	DEFINATION OF A WANDERLODGE
	64 (WL 2)	WANDERLODGE DISTRIBUTOR RELATIONSHIP TO BUS DISTRIBUTORS
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CHASSIS DATA

TH 6811 WL 70514	WANDERLODGE CHASSIS DATA
TH 6812 WL 70517	CHASSIS ENGINE SPECIFICATIONS - FORD 391
TH 6813 WL 70518	CHASSIS ENGINE SPECIFICATIONS - GMC 401
TH 6814 WL 70519	CHASSIS ENGINE SPECIFICATIONS - Chev. 366
TH 6815 WL 70520	AXLE & BRAKE SPECIFICATIONS
TH 6816 WL 70 521	SPEED CHART - FORD 391
TH 6817 WL 70 522	SPEED CHART - GMC 401
TH 6818 WL 70 523	SPEED CHART - Chev. 366
EC 69198	WARRANTY

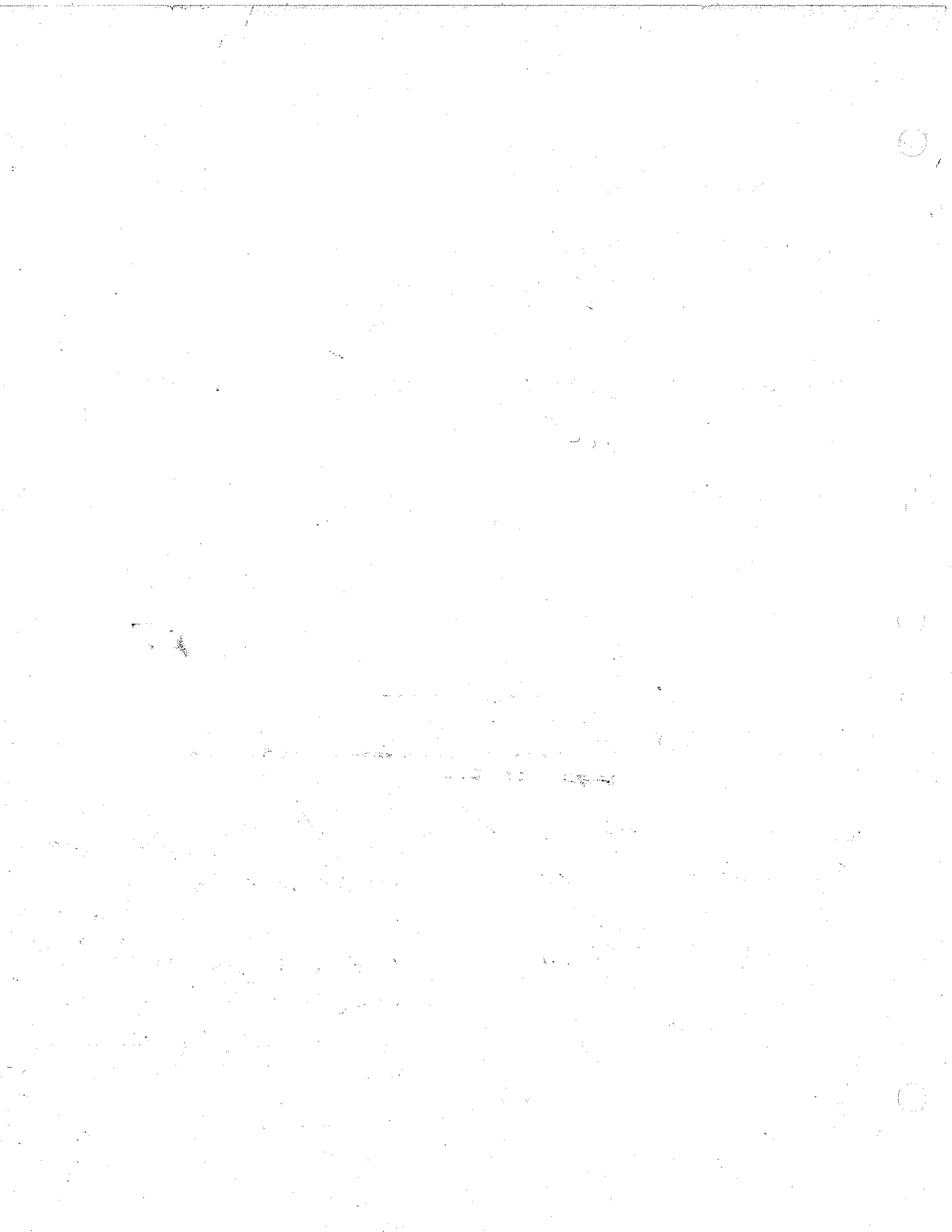
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<u>SECTION</u>	<u>FORM NO.</u>	<u>TOPIC</u>
<u>BODY DATA</u>	TH 6821 WL 69515	WANDERLODGE BODY
	5 B 69102 TF 6851	BODY CONSTRUCTION AND GAUGES PAINT CHART
<u>INTERIOR DATA</u>	TH 6831 WL 69516	WANDERLODGE INTERIOR SPECIFICATIONS
	TH 6832 (TH) 6832	WANDERLODGE FLOOR PLAN

<u>OPERATING INSTRUCTIONS</u>	TH 6841 WL 69500	OPERATING INSTRUCTIONS
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<u>COMPONENTS</u>	Magic Chef Model 285 747-4	
	Monomatic Toilet Model W-MA5	
	Suburban Furnace Model NT-22-CS NT 30CS	
	ONAN Generating Plant Model 5CCK	
	Coleman Air Conditioner - 6248-707	
	Townsend Toilet - Model 820 AVS 840	
	Atwood Bowen Company - Model RA-10 90400	
	Western Ogen Purifier Company - Model B - Plan	

<u>PHOTOGRAPHS</u>	W 69102	Duo-Therm La Grange Ind. 46761 model: 52712
	Chassis W 69102	Trige King 10858 Harry Hines Blvd Dallas Tex V 44-27057 or 41-00023



1968 WANDERLODGE

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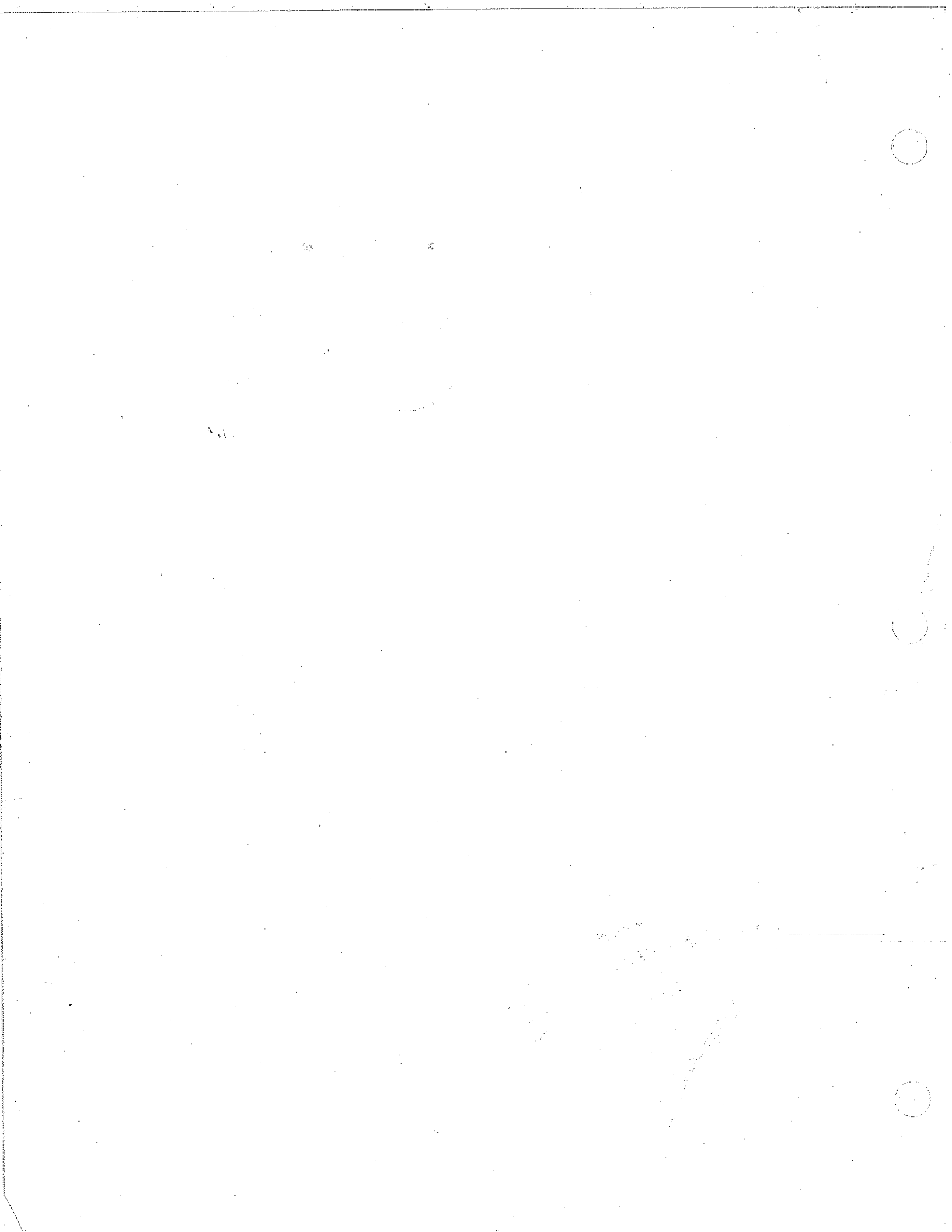
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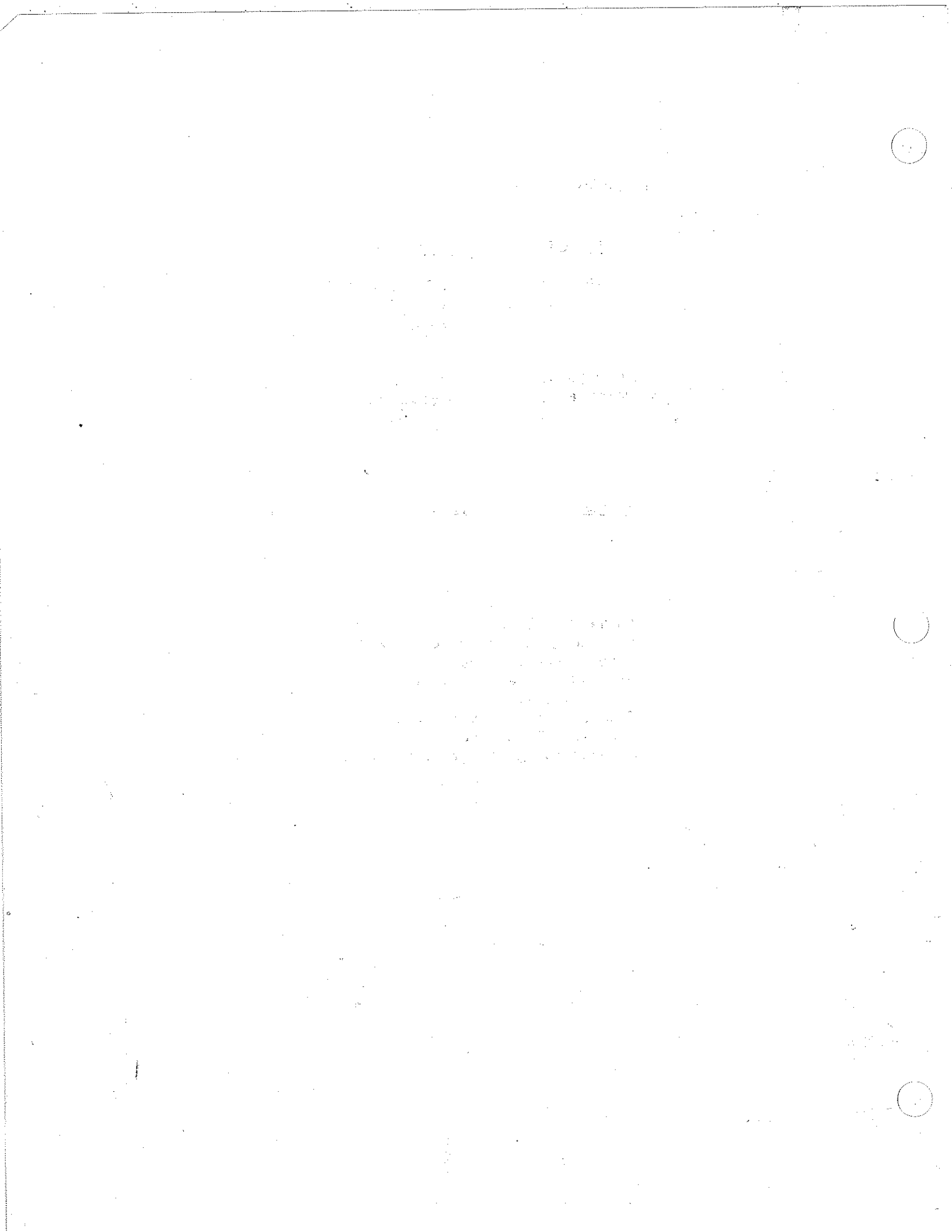
~~TABLE~~ FORM

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	TH 6816	SPEED CHART - FORD 391
	TH 6817	SPEED CHART - GMC 401
	TH 6818	SPEED CHART - Chev. 366
FC 68160 69198	WARRANTY	

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<u>SECTION</u>	<u>FORM NO.</u>	<u>TOPIC</u>
<u>BODY DATA</u>	WL 70515 TH 6821 206 69102 TF 6851	WANDERLODGE BODY BODY CONSTRUCTION AND GAUGES PAINT CHART
<u>INTERIOR DATA</u>	WL 70516 TH 6831 TH 6832 WL 70527	WANDERLODGE INTERIOR SPECIFICATIONS WANDERLODGE FLOOR PLAN
<u>OPERATING INSTRUCTIONS</u>	WL 70500 TH 6841	OPERATING INSTRUCTIONS
<u>COMPONENTS</u>	Magic Chef Model 285 747-4 Monomatic Toilet Model MA 5 Suburban Furnace Model NF-22-CS m4 30CS ONAN Generating Plant Model 5CCK Coleman Air Conditioner 6248-707 D.W. Therm - 52712 Townsend Toilet - Model 820-AVS 840 Atwood Bowen Company - Model RA-18 90400 Western Ogden Purifier Company Model B - Plan Irigi King - 000250000 44-27057 or 41-00023	
<u>PHOTOGRAPHS</u>		



Typed

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BLUE BIRD
wanderlodge[®]
FORT VALLEY, GEORGIA

SUMMARY OF WARRANTY ²⁶⁹ 9

A. CHASSIS

The Blue Bird Chassis is warranted for 12,000 miles or 12 months. This applies to all parts except tires which carry the warranty of the respective manufacturer. Service on the chassis may be obtained from an authorized agency of the manufacturer, that is, Ford, Chevrolet or GMC.

Manufacturer: Blue Bird Body Company

B. BODY

The body is warranted for 12,000 miles or 12 months with the exception of purchased parts (lights, switches, etc. which are warranted for 90 days.)

Manufacturer: Blue Bird Body Company

C. POWER GENERATOR

The power generator is warranted free from defects in material and workmanship for one year. For service consult Parts Service Catalog for authorized factory trained service personnel.

Manufacturer: Onan Division of Studebaker
2515 University Avenue, N.E.
Minneapolis, Minnesota

D. REFRIGERATOR

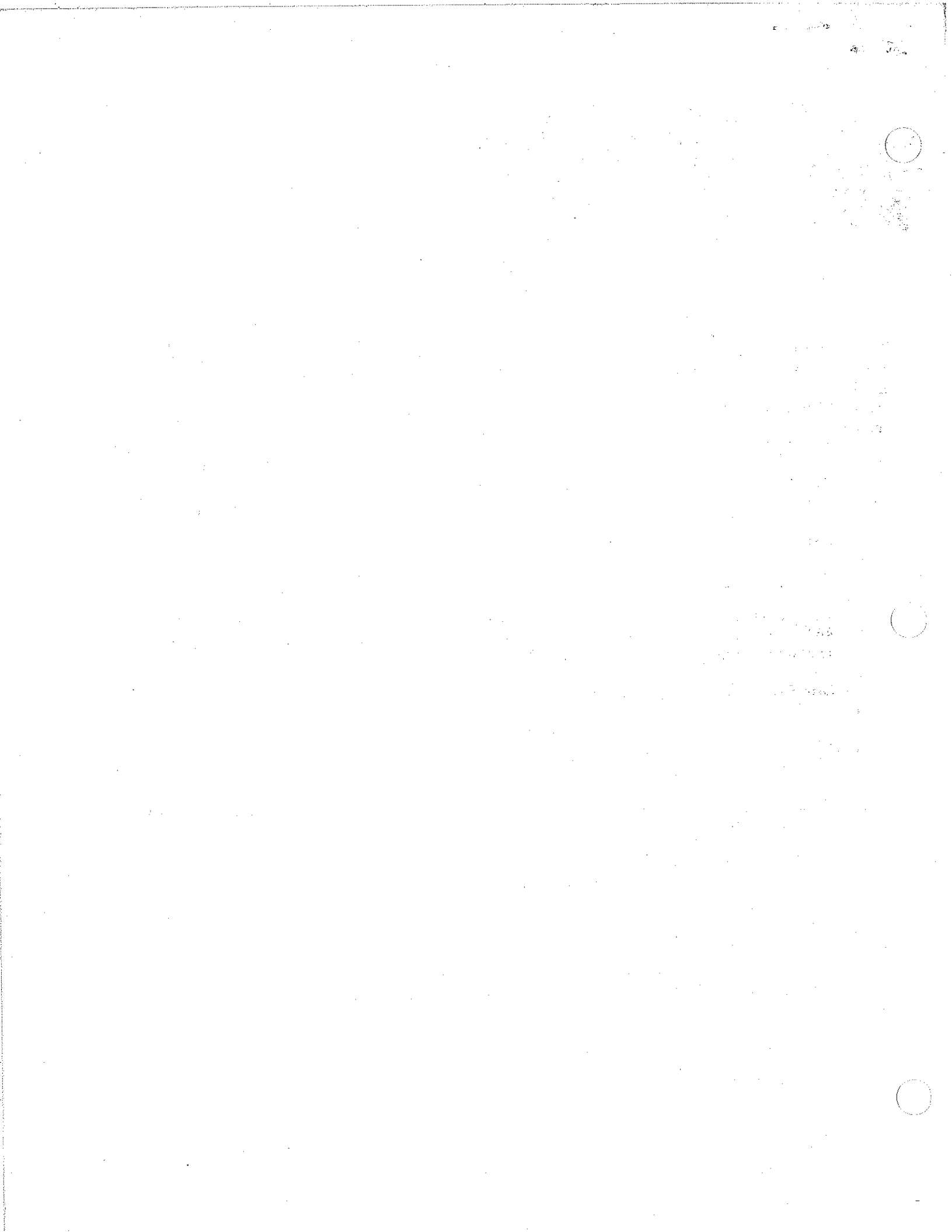
The refrigerator is warranted free from defects in material and workmanship for 12 months.

Manufacturer: Instamatic Corporation
530 McDonald Street
Elkhart, Indiana

E. HOT WATER HEATER

The hot water heater is warranted to be free from defects for one year. This warranty applies to parts only and not to labor.

Manufacturer: Hemco, Inc.
Bowen Division
Wixom, Michigan



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F. KITCHEN RANGE

The kitchen range is warranted to be free from defects and workmanship for a period of 90 days. This warranty is for parts only and does not include labor charges.

Manufacturer: Magic Chef Inc. Chateau
Pan Pacific Division
245 N. Vineland
City of Industry, Calif. 91744

G. AIR CONDITIONERS

The air conditioners are warranted to be free from defects in material and workmanship for a period of one year. This warranty includes parts but does not include labor.

Manufacturer: Duo-Therm
La Grange, Indiana 46761

H. STEREO TAPE PLAYER

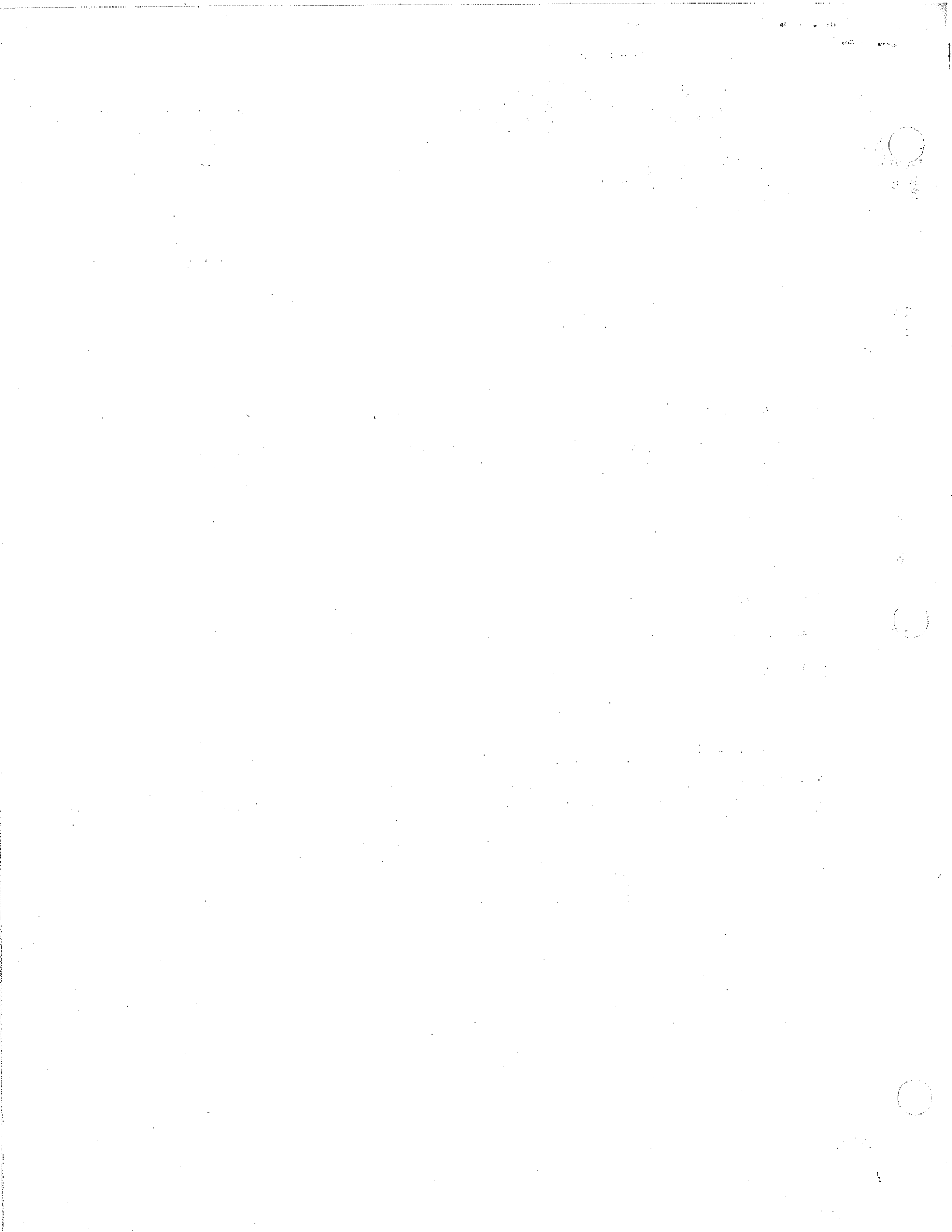
Warranty against defects of material and workmanship for 90 days.

Manufacturer: Craig Panorama, Inc.
3412 S. LaCienega Blvd.
Los Angeles, California

I. LPG FURNACE

The LPG furnace is warranted for one year against defects in material and workmanship. Heat exchanger guaranteed not to rust out or burn out for a period of 5 years from date of purchase.

Manufacturer: Suburban Manufacturing Co.
P. O. Box 399
Dayton, Tennessee 37321



Blue Bird

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April 7, 1969

SALES OPERATIONAL MEMO
NO. 60
(Replaces Sales Policy 67-70)

To: U.S. School Bus Distributors, Canadian School Bus
Distributors and Wanderlodge Distributors

SUBJECT: Definition of a Wanderlodge

We have found some confusion on our deluxe All American and a Wanderlodge. The following are the guidelines:

1. A Wanderlodge is a self-propelled house vehicle used by a family primarily for living quarters, or a commercial business enterprise to promote a product.
2. An All American is a bus on which a school system or public educational system furnishes a tax exemption certificate, or a bus whose principal use is mass transportation.

BLUE BIRD BODY COMPANY

Charles Bartlett

Charles Bartlett
Director of Sales

CB/jh



Blue Bird

April 7, 1969

SALES OPERATIONAL MEMO

NO. 64

(Replaces Sales Policy 67-72)

SUBJECT: Wanderlodge Distributors Relationship To School Bus Distributors

As you know, Blue Bird has many franchised school and transit bus distributors throughout the world. Attached you will find a Sales Operational Memo which has been sent to each one of them. Please read this memo carefully along with the policy defining the Wanderlodge.

These school and transit bus distributors can be of great assistance to you in finding and developing prospects. Blue Bird looks to you to promptly honor them with \$250.00 when you have received complete payment for any Wanderlodge sale made with thier help. Please do not make us remind you to send them this honorarium.

BLUE BIRD BODY COMPANY

Charles Bartlett

Charles Bartlett
Director of Sales

CB/jh



Blue Bird



April 7, 1969

SALES OPERATIONAL MEMO
NO. 63
(Replaces Sales Policy No. 67-71)

To: U.S. School Bus Distributor, Canadian School Bus Distributor and
Wanderlodge Distributors

SUBJECT: School Bus Distributors Participation in Wanderlodge Sales

In November 1965, we began to franchise Blue Bird Wanderlodge distributors. However, we want to honor each school bus distributor for any prospects that he cultivates for the Wanderlodge.

In a Wanderlodge franchised territory, you, as a Blue Bird school bus distributor, will be honored with a \$250 commission for each Wanderlodge prospect that you cultivate. This cultivation will consist of ALL three of the following.

1. Introduce your prospect personally to the Blue Bird Wanderlodge distributor.
2. Written notification to the Blue Bird Wanderlodge distributor.
3. Written notification to Blue Bird Body Company.

If the Blue Bird Wanderlodge distributor concludes the sale, he and Blue Bird will see that you receive a \$250 commission when the unit has been delivered and paid for.

Let me repeat that you must put in writing to Blue Bird and the Wanderlodge distributor the name and address of the prospect as well as personally introducing them together.

In a non-franchised territory, the Blue Bird school bus distributor should notify the Blue Bird Wanderlodge Division in writing the name and address of any Wanderlodge prospect whom we are not already working. Blue Bird will handle everything from that point, including contacting the customer, arranging for a demonstration, future service, etc.

Blue Bird will send the school bus distributor a check for \$250 on delivery of the unit. Please send the names of any Wanderlodge prospects to Ed Dunning here in Fort Valley.

BLUE BIRD BODY COMPANY

Charles Bartlett

Charles Bartlett
Director of Sales

CB/jh



Blue Bird



April 7, 1969

SALES OPERATIONAL MEMO
NO. 59
(Replaces Sales Policy 67-73)

SUBJECT: Wanderlodge Selling Policy

All Wanderlodges require a \$2,000 deposit before a unit can be put into production. If any special item is included on the unit, the deposit requirement will be \$3,000 or more with the order.

Blue Bird is primarily a manufacturing organization. We do not offer a finance plan. Final payment must have cleared our Finance Division before the unit can be released. An invoice will be sent by our Accounting Department along with a certificate of origin for registration purposes approximately two weeks prior to the unit's completion.

Wanderlodges will be released to distributors or distributors' customers upon written authorization from the distributor to Blue Bird specifying the person who is authorized to take delivery.

BLUE BIRD BODY COMPANY

Charles Bartlett

Charles Bartlett
Director of Sales

CB/jh

Blue Bird



April 7, 1969

SALES DIVISION POLICY
NO. 69-24
(Replaces Sales Policy 67-74)

SUBJECT: Federal Excise Tax on Wanderlodges

Under Internal Revenue Code, Section 4063 (A) states "In order to remove any distinctions tax-wise between these different forms of mobile living quarters that would result in unfair competitive problems for their manufacturers, the act provides that camper coaches and bodies for self-propelled mobile homes will not be exempt from tax. This exemption applies to those articles designed to be mounted, or placed on trucks, truck chassis or car chassis and to be used primarily as living quarters. However, in the case of self-propelled mobile homes, the exemption does not apply to the chassis on which the unit is mounted.

Therefore, Federal Excise Tax will be charged at a ten percent (10%) rate on the chassis plus any chassis option added to the chassis from the chassis option group.

Federal Excise Tax on the Wanderlodge chassis will average \$700.00 each. The tax will vary with the power unit and chassis options purchased.

In the case of commercial Wanderlodge units, 10% FET must be charged on the entire purchase price.

In cases where units are used as combination commercial and living units, the customer must certify to us in writing that it is "used primarily as living quarters" to obtain a tax rate based on the chassis only. The burden of proof rests on the customer.

Federal Excise Tax of eight percent (8%) will be charged on all chassis repair parts purchased in connection with a Wanderlodge. Body parts and interior parts for the Wanderlodge are federal excise tax exempt.

BLUE BIRD BODY COMPANY

A handwritten signature in cursive script that reads 'Charles Bartlett'.

Charles Bartlett
Director of Sales

CB/jh

Expiration: October 31, 1969

Blue Bird

April 7, 1969

SALES OPERATIONAL MEMO
NO. 58
(Replaces Sales Policy 67-75)

SUBJECT: Wanderlodge Shipment Charges on Literature

Blue Bird has a policy of not making extra charges for brochures.
We do, however, ask distributors to pay shipping charges.

BLUE BIRD BODY COMPANY

Charles Bartlett

Charles Bartlett
Director of Sales

CB/jh

Blue Bird

April 7, 1969

SALES DIVISION POLICY
NO. 69-25
(Replaces Sales Policy 67-76)

SUBJECT: Blue Bird Driveaway Service - Wanderlodge

Blue Bird has established a driveaway service for delivery of your stock Wanderlodges from Fort Valley to your place of business.

Wanderlodges delivered by Blue Bird will be adequately covered with insurance by Blue Bird en route. Our drivers will conform to all ICC regulations and the Wanderlodge will be delivered with Blue Bird license plates.

BLUE BIRD WILL INVOICE THE DISTRIBUTOR FOR THE FULL DRIVEAWAY COST. ALL REMITTANCES FOR DRIVEAWAY ARE TO BE MAILED TO BLUE BIRD UPON RECEIPT OF INVOICE. The distributor or his customer is not to reimburse the drivers except for the cost of excessive oil usage, repairs that have been incurred, or for extra time involved in driving the Wanderlodge because of special instructions from the distributor or customer. Should the distributor or his customer pay the driver the driveaway cost, this in no way relieves him of the obligation of paying Blue Bird for this driveaway. The drivers are employed by Blue Bird. The distributor is to make his payment to Blue Bird.

Your cost for this driveaway service will be \$.25 per mile.

Mechanical difficulties are not covered by our insurance. In such cases our drivers are instructed to contact you before proceeding.

We all know the importance of having customers visit the factory. We are glad to provide this driveaway service, but encourage you or your customers to pick up your units at the factory.

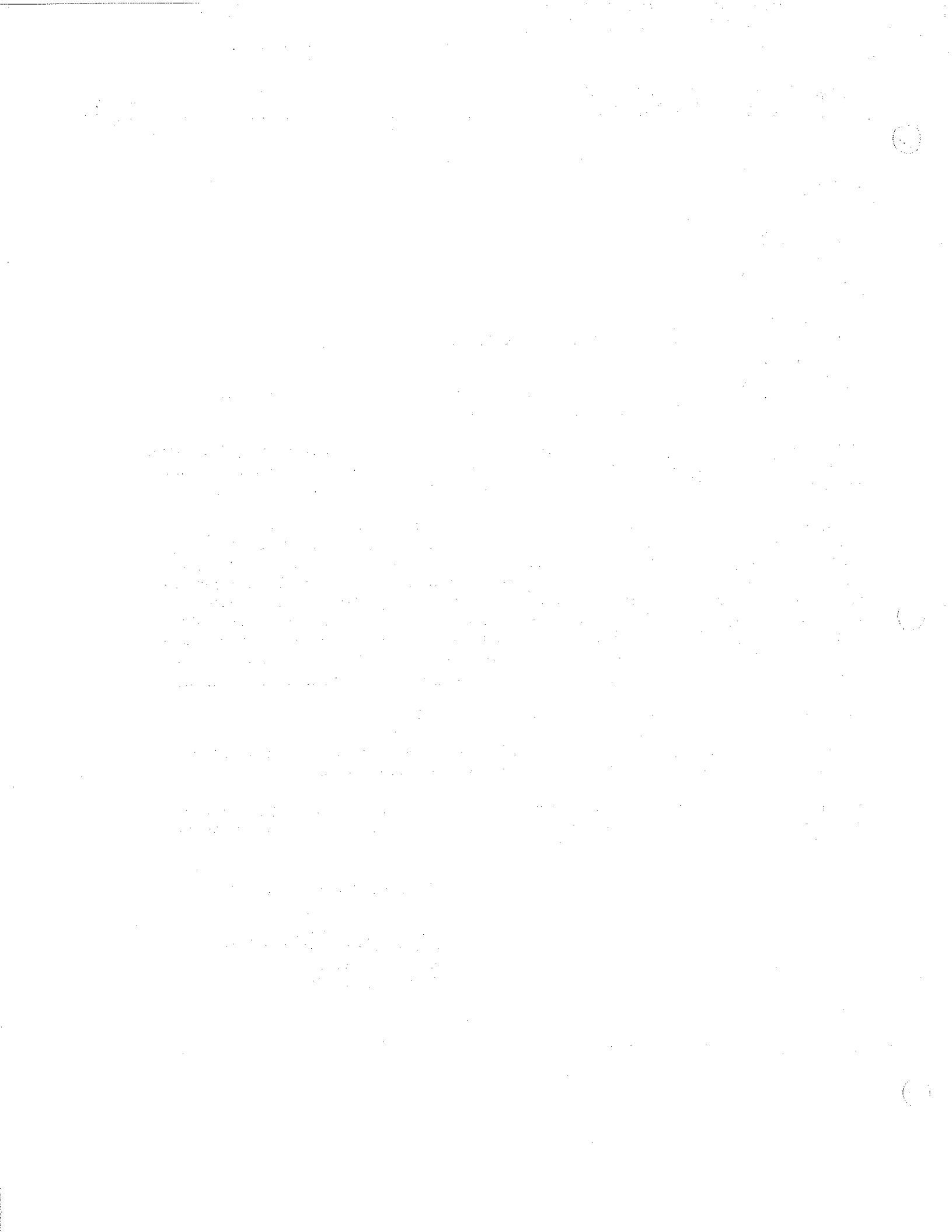
BLUE BIRD BODY COMPANY

Charles Bartlett

Charles Bartlett
Director of Sales

CB/jh

Expiration: October 31, 1969



Blue Bird



April 7, 1969

SALES OPERATIONAL MEMO
NO. 57
(Replaces Sales Policy 67-77)

SUBJECT: Wanderlodge Change Orders

Experience has taught us that there are changes which your customers may desire which cannot be accomplished once the Wanderlodge has been put into production. We want to produce your unit on time with the finest quality we can muster. For this reason, to insure your customer's satisfaction, as well as your own satisfaction, let's be positive that your customer knows what he wants when you submit the order. We urge you to be careful in writing your orders so the customer receives exactly what he expects when the Wanderlodge arrives.

Changes are difficult, sometimes impossible, and cost money. Please check with the Wanderlodge Division and they will advise you if a change can be made on your unit.

Under no circumstances will a Wanderlodge be changed after the unit is released to the Wanderlodge production line.

BLUE BIRD BODY COMPANY

Charles Bartlett
Charles Bartlett
Director of Sales

CB/jh

Blue Bird

April 7, 1969

SALES DIVISION POLICY

NO. 69-19

(Replaces Sales Policy No. 67-78)

SUBJECT: Non-delivery of Wanderlodges

Wanderlodges represent a very sizable investment for a Wanderlodge distributor as well as Blue Bird. Neither of us has the means to floor plan units. This should be handled by a banking institution.

Our deposit policy gives stability to an order, but this deposit costs you money. A \$2,000 investment for four months would yield \$40 without any effort. When a unit is ready for delivery, the Blue Bird investment is about \$20,000. ~~The same interest rate would yield \$40 in ten days.~~ The profit picture of the Wanderlodge is affected by delays in delivery.

In order that the penalty for non-delivery not to be shared by all customers and directed to the delinquent account, an interest rate of eight and one-half percent (8 1/2%) will be added to all Wanderlodges beginning 30 days after completion.

BLUE BIRD BODY COMPANY

Charles Bartlett

Charles Bartlett
Director of Sales

CB/jh

Expiration: October 31, 1969

Blue Bird

April 7, 1969

SALES OPERATIONAL MEMO
NO. 62
(Replaces Sales Policy 67-81)

SUBJECT: Wanderlodge Parts Shipment Plans (For New Distributors Only)

Blue Bird has two plans for Wanderlodge parts shipments. Please read the attached copies, Plan B and Plan C. Select the agreement which most nearly suits your operation and return to:

Blue Bird Wanderlodge Division
Blue Bird Body Company
Fort Valley, Georgia, 31030

BLUE BIRD BODY COMPANY

Charles Bartlett

Charles Bartlett
Director of Sales

CB/jh

THE UNIVERSITY OF CHICAGO
LIBRARY



THE UNIVERSITY OF CHICAGO
LIBRARY



PLAN B

1. Parts orders are accepted at Blue Bird Body Company, Fort Valley, Georgia, from customers or distributors.
2. Blue Bird ships parts to the distributor or the customer as specified in the original order.
3. Unpriced packing lists will be enclosed in the carton or crate in which the parts are shipped.
4. Priced invoices will be mailed to the distributor immediately after shipment has been made.
5. The distributor is responsible for collecting for all parts shipped to the customer of his territory.
6. The distributor agrees to pay Blue Bird Body Company for all parts invoiced within thirty days after receipt of the invoice.

Date

Signature

Title

Name of Distributor

Address

CB/jh



PLAN C

1. Parts orders are accepted at Blue Bird Body Company, Fort Valley, Georgia, direct from customers or from the distributor.
2. Blue Bird ships parts to the customer C.O.D. or open account and at such discounts as determined by Blue Bird. If parts are shipped to distributor, distributor will be invoiced at regular distributor discount.
3. Unpriced packing lists will be enclosed in the carton or crate in which the parts are shipped.
4. Priced invoices will be mailed directly to the customers immediately after shipment has been made unless shipped C.O.D., in which cases invoices will be mailed only upon request.
5. Blue Bird is responsible for collecting for all parts shipped directly to the customers of this territory.
6. The distributor agrees to pay Blue Bird Body Company for all parts shipped to the distributor within thirty days after receipt of the invoice.

Date

Signature

Title

Name of Distributor

Address

CB/jh



Blue Bird



April 7, 1969

SALES OPERATIONAL MEMO

NO. 56

(Replaces Sales Policy 67-79)

SUBJECT: Wanderlodge Warranty Procedures

General Policy:

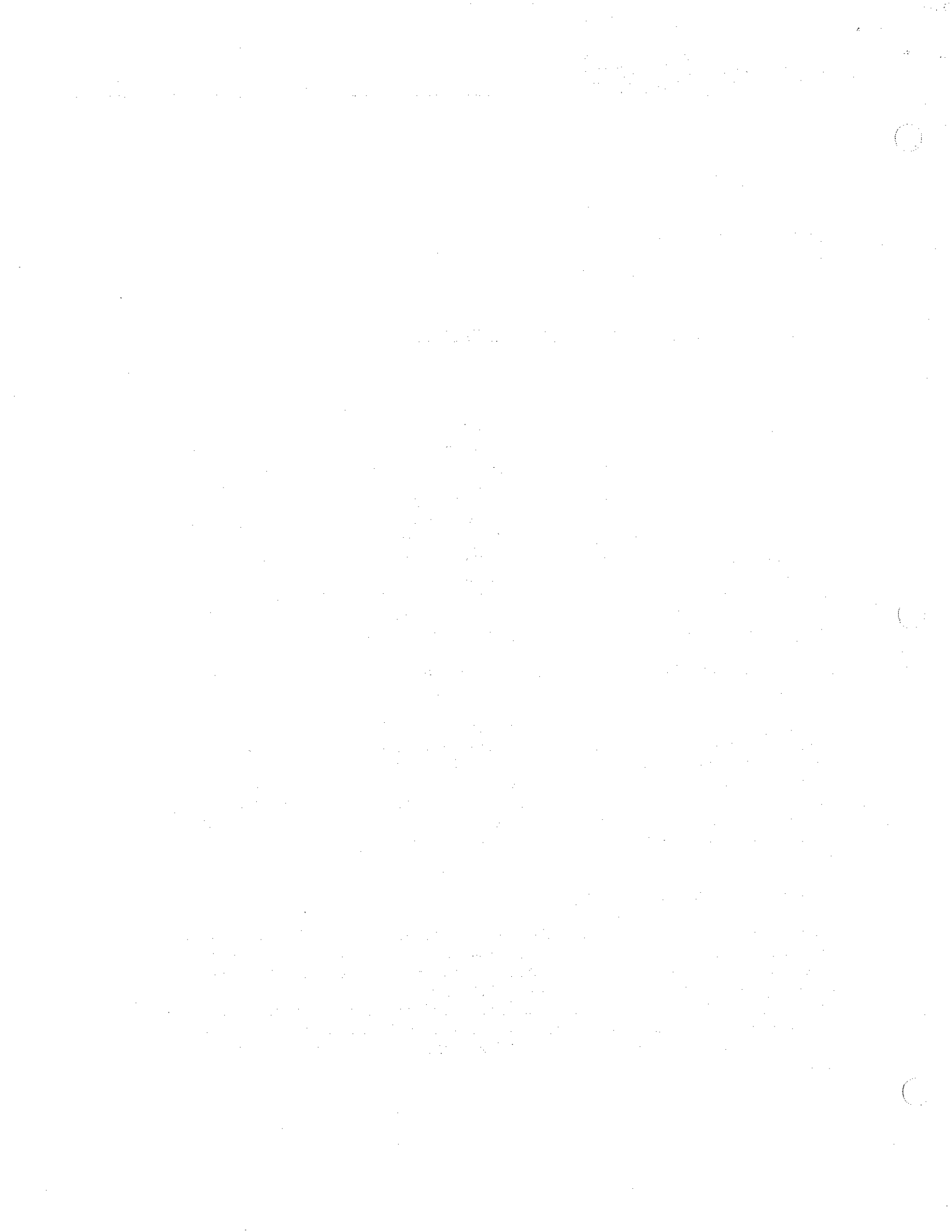
Blue Bird Body Company warrants body parts manufactured by this company to be free from defects in material and workmanship under normal use and service for twelve months or 12,000 miles from the original date of delivery from the factory, whichever shall occur first. The company warrants body parts which have been purchased from outside sources to be free from defects in material and workmanship under normal use and service for ninety days or 5,000 miles, whichever shall occur first. No chassis parts are warranted whatsoever except those components used in the manufacture of the Blue Bird chassis. The Blue Bird chassis parts, except tires, carry the same warranty as the manufactured body parts. The specific provisions of these warranties are spelled out in the warranty certificates issued upon the purchase of a Blue Bird Bus.

All adjustments for warranty work will be initiated by submission of an "Application For Warranty Adjustment" form.

Warranty requests often involve manufacturers other than Blue Bird. When such requests occur and we realize that we cannot make the final decision but that another manufacturer will have to render judgment, we will notify the distributor concerned. The distributor will be notified that his claim is then in the hands of the manufacturer concerned and that the amount of reimbursement will have to be decided by that manufacturer since it does not involve a part manufactured by Blue Bird.

Distributor's Responsibility:

Past experience has indicated that some customers will ask for service and modifications of buses that are completely out of reason. It is the responsibility of the Blue Bird distributors to insure that all warranty requests submitted comply with sound business principles and that each claim submitted contains valid information throughout. Changes and modifications to a delivered bus by a distributor merely to meet the whims of a customer are not covered by warranty and do not constitute a valid claim.



April 7, 1969

Customers will quite frequently request items not included in Blue Bird's standard options. Even though these items may have been expressed in the purchase order submitted to Blue Bird, they are not covered by warranty unless Blue Bird has specifically agreed to install the item and has made additional charges to cover the cost of this item. Care must be taken by distributors not to commit themselves to non-standard options or modifications without the specific written approval of Blue Bird Body Company.

Upon receipt of a request for service by a customer, it is the responsibility of the distributor to physically inspect the unit involved before taking action or requesting action from Blue Bird. If the request is reasonable and is covered by warranty, the distributor may proceed to correct the discrepancy without factory approval provided the costs will not exceed \$50. Warranty work that will exceed the above limitation must receive factory approval before proceeding with the work.

Submission of "Service Request For Warranty Work":

The "Service Request For Warranty Work" form is an inter carbon, snap-out form consisting of one white original, one yellow copy, one blue copy, and one green copy. This form must be completed in its entirety and submitted to Blue Bird Body Company, Fort Valley, Georgia, as appropriate, prior to commencing warranty work exceeding the limitations specified in the preceding paragraph.

Block One of the form identifies the bus and its warranty status as well as gives the physical location of the bus. It is highly desirable that the maintenance contact by name, address and telephone number be given in this block for direct contact for further technical information as well as a contact for our service trucks.

Block Two does not apply for Wanderlodge distributors.

Block Three should describe in detail the nature of the complaint. Be specific as to where leaks, floor bubbles, window problems, etc. have occurred. Do not use general statements.

Block Four is your recommendation as to what should be done to correct problems. The white, yellow, and blue copy of the form should be submitted to the factory. The green copy should be retained for your files. In the event of an emergency, authorization to proceed with work may be obtained by telephone but must be followed with a confirmation "Service Request For Warranty Work".

Factory Action:

Upon receipt of your "Service Request" by the factory, the request will be reviewed and appropriate action indicated on the back of your "Service Request" form. The yellow copy of this form will be mailed back to you indicating action to be taken as follows:



April 7, 1969

Work to be performed locally with reimbursement by Blue Bird.
Work is disapproved as warranty work.

Work To Be Performed Locally

If work is authorized to be performed locally, you will be given an authorization number which must be referenced in your claim for reimbursement. You will also be advised of the total cost authorized and if material will be furnished without charge from Blue Bird.

Upon completion of the repairs, an "Application for Warranty Adjustment" form consisting of one white original, one yellow copy, one blue copy and one green copy must be prepared. The white original, the yellow copy and the blue copy must be submitted to the Service-Parts Division, Sales Department, Blue Bird Body Company, Fort Valley, Georgia, 31030. The green copy should be retained for your files.

The form must be completed in the following manner or it will be returned to you for re-submission, thus creating a delay in receiving credit for an approved claim:

1. All claims must be typewritten.
2. Only one body number will be used on each claim. If more than one body is involved, prepare a separate claim for each.
3. Each claim exceeding \$50 will be assigned an authorization number by Blue Bird Body Company at the time of approval of the proposed work. This number must appear in the claim (top center) at the time of submission of the claim.
4. Each claim must show your name and address as well as the owner's name and address.
5. Each claim must show the body number, year model, factory service number, date of sale, mileage, and date of repairs. If repairs were accomplished by other than the distributor, a copy of the work order should be attached to the claim form.
6. A detailed description of the actual work performed should be given in the block marked "Labor Costs". The number of hours required for each job and the basic rate of pay should be indicated opposite the description of each job.
7. All parts used in the warranty work should be listed by part number, description, quantity and cost. If freight is involved, enter this cost as a separate item as indicated.
8. Each claim submitted should have the distributor's analysis as to why the failure occurred, indicating responsibility where possible.

April 7, 1969

9. Each claim must be signed by a responsible officer of the distributor's organization.

All claims should be submitted to the factory for approval within thirty days after repairs have been completed.

Disapproval of Service Requests and Claims:

In accordance with the criteria normally used by the major manufacturers in the automotive industry, Blue Bird Body Company will not approve service requests or claims for the following:

1. Claims originating after the expiration of the warranty period.
2. Claims against chassis which were not manufactured and warranted by Blue Bird Body Company.
3. Pre-delivery costs normally expected for the proper servicing of a bus prior to delivery to a customer.
4. Costs exceeding \$50 for which Blue Bird Body Company's approval has not been obtained before repairs were made.
5. Claims on units which have been involved in an accident or any other form of mishap.
6. Overtime labor.
7. Towing expense.
8. Telephone calls.
9. Travel expenses.
10. That portion of the costs of parts procured from sources other than Blue Bird Body Company involving transportation or freight charges.
11. Excess cost of parts procured from other sources over and above the cost that the part could be procured from Blue Bird Body Company.
12. The replacement of a complete assembly when individual replacement parts are available and will correct the fault.
13. Gasoline and/or oil expense.
14. Batteries.
15. Tires and/or tubes.
16. Glass breakage when, in the opinion of Blue Bird Body Company, such breakage was not caused by the glass being in a "bind" or a "strain" or by improper installation.

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April 7, 1969

The inclusion of any of the above items in a claim submitted will result in delay in the adjustment of your account until a properly executed claim form is received.

Approval of Claims:

The policy decision allowing distributors to proceed with warranty work without factory approval for \$50 jobs, as previously specified, does not insure that all claims of this category will be automatically honored. The labor rate applied as well as the number of hours required to accomplish the job must be in line with the standards applicable to the area in which the work was performed.


Upon receipt of a properly executed "Warranty Adjustment" claim by the factory, the claim will be reviewed for compliance with all stipulations as set forth in this Sales Memo. Once these stipulations have been fully met, the parts and labor cost will be reviewed to determine if they are in line. Your claim will then be approved for credit to your account either in the amount requested or at an adjusted amount if costs appear unreasonable. You will be notified of the claim's approval by the receipt of a credit memo from our Accounting Department accompanied by the yellow copy of your approved claim form.

Disposal of Defective Parts:

Some defective parts will be required to be shipped to the factory before the approval of a claim for reimbursement, others may be scrapped locally upon receipt of the approval of your claim. Since this determination cannot be made until your claim is reviewed at the factory, it is necessary that you hold all defective parts until either shipping instructions or the yellow copy of your claim indicating final approval have been received. If the claim has been paid prior to receipt of shipping instructions, defective parts may be scrapped locally.

The disposal of parts locally prior to the approval of your claim could result in the disapproval of that portion of your claim.

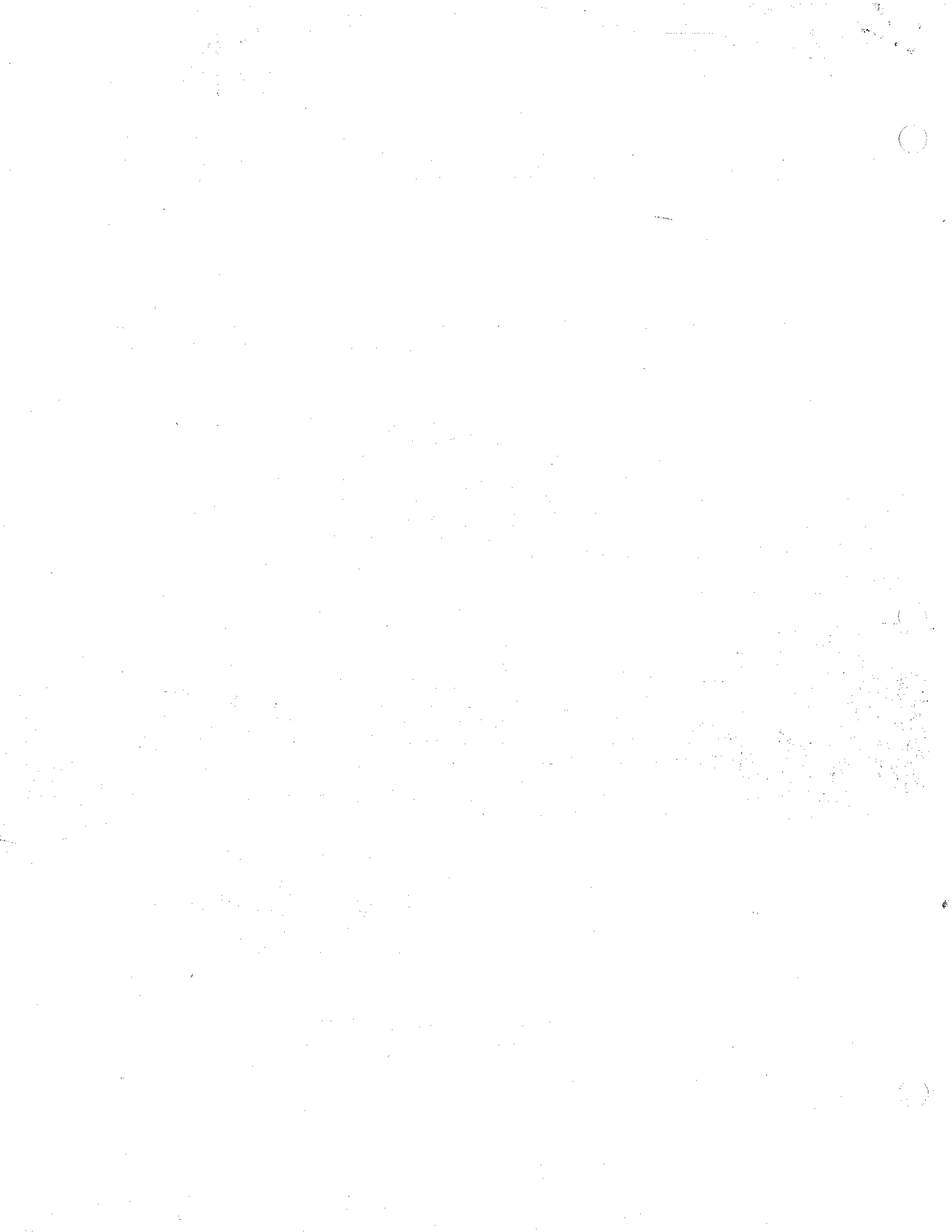
BLUE BIRD BODY COMPANY



Charles Bartlett
Director of Sales

CB/jh

Attachments: Copy of "Application For Warranty Adjustment"
Copy of "Service Request For Warranty Work"



Blue Bird

SALES DIVISION POLICY
NO. 67-80

October 21, 1967

TO: Wanderlodge Distributors
SUBJECT: Prospects and Advertising

Blue Bird devotes a large portion of our advertising budget toward national advertising, brochures, post cards, and fliers, all of which generate prospects for the distributors.

When an inquiry is made to Blue Bird, we send the prospect a brochure and letter giving the distributor's name, location and phone. The original inquiry is mailed to the distributor involved with the prospect. We suggest immediate contact with the prospect. At the end of each month, an up-to-date list is sent for the distributor's territory.

At the present time, our policy is not to participate in local advertising but to confine our budget to national media.

BLUE BIRD BODY COMPANY



Charles Bartlett

Charles Bartlett
Director of Sales

Wanderlodge No. 67-12
Expiration: October 31, 1968

Blue Bird

SALES OPERATIONAL MEMO
NO. 61
(Replaces Sales Policy 68-6)

SUBJECT: Outstanding Wanderlodge Distributor Award

The Outstanding Wanderlodge Distributor Award is judged on the following items:

1. Volume of Sales
2. Coverage of Area under Contract
3. Demonstrator and Stock Unit Program
4. Advertising and Sales Promotions
5. Sales and Service Relationship to Customer

The wording on the plaque is as follows:

IN APPRECIATION
OUTSTANDING
BLUE BIRD
WANDERLODGE
DISTRIBUTOR FOR 19__
(Distributor)
PRESENTED BY
BLUE BIRD


Size of plaque: 12" width - 15" in height

BLUE BIRD BODY COMPANY

Charles Bartlett
Charles Bartlett
Director of Sales

CB/jh

BLUE BIRD
wanderlodge[®]
 FORT VALLEY, GEORGIA

OK w/ AA 

1970- STANDARD EQUIPMENT SPECIFICATIONS 19

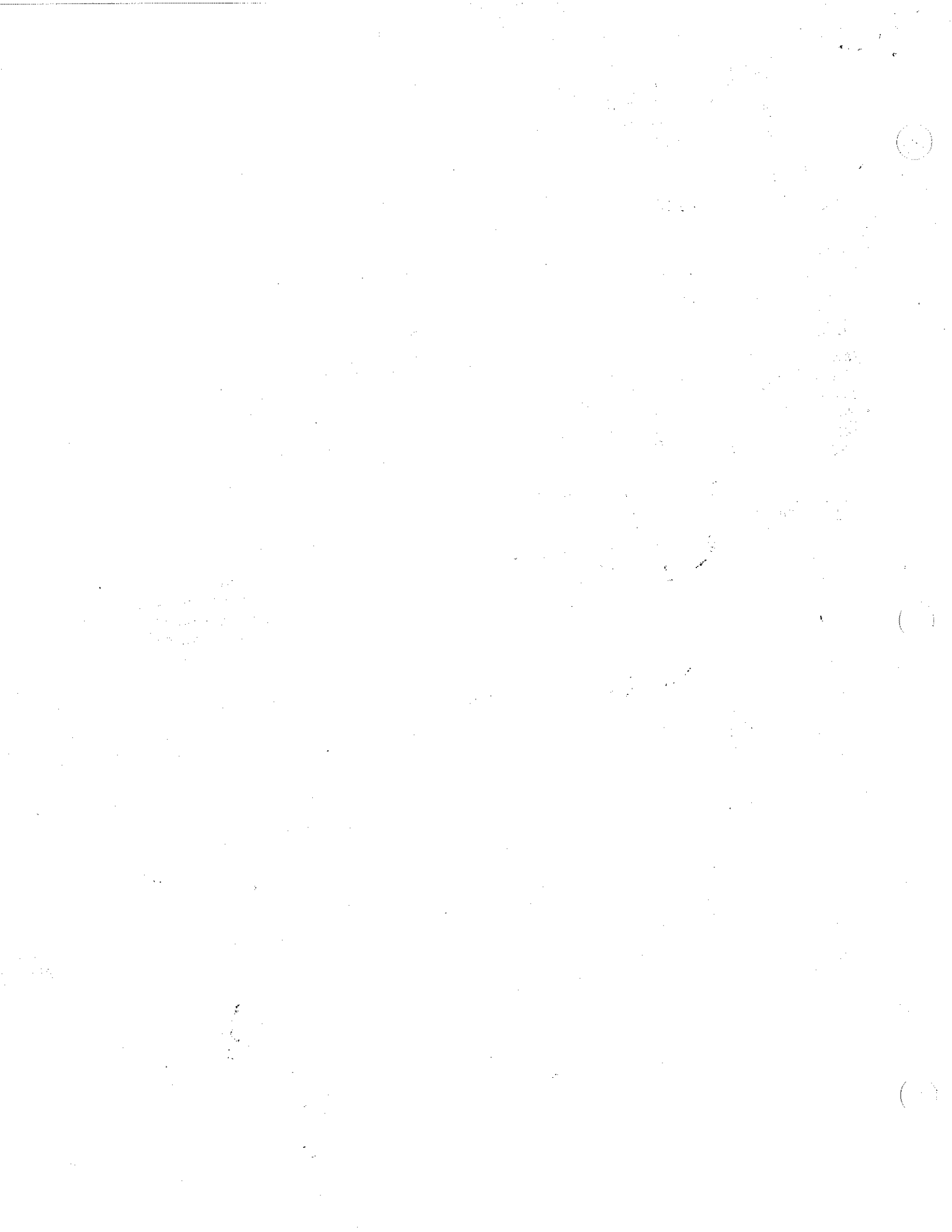
WANDERLODGE CHASSIS ♂

179" WHEELBASE 29' TURNING RADIUS

ENGINE	SYMBOL	HORSEPOWER	TORQUE	TRANSMISSION	GENERATOR
Chevrolet	366	235 @ 4000	345 @ 2600	Spicer	5-Speed 62 Amp. A.C.
Chevrolet	366A	235 @ 4000	345 @ 2600	Allison Auto	6-Speed 62 Amp. A.C.
Ford	391	235 @ 4000	372 @ 2000	Spicer	5-Speed 65 Amp. A.C.
Ford	391A	235 @ 4000	372 @ 2000	Allison Auto	6-Speed 65 Amp. A.C.
GMC	401	237 @ 4000	372 @ 1600	Clark	5-Speed 62 Amp. A.C.
GMC	401A	237 @ 4000	372 @ 1600	Allison Auto	6-Speed 62 Amp. A.C.

STANDARD CHASSIS EQUIPMENT

AXLES: 11,000# front; 17,000# rear, single speed 5.8 to 1 ratio
 BATTERY: Four 6 volt, 105 Amp. @ 20 hour rate
 BRAKES: Vacuum over hydraulic dual system with 1 3/4" bore x 1 7/16" stroke tandem master cylinder, 612 sq. in. total lining area
 CONTROLS: Choke, hand throttle, key type starter switch, headlight switch, dimmer switch, high beam indicator and hazard signal switch
 DRIVE LINE: Spicer 1480 series with protective guard around each shaft
 ELECTRICS: 12 volt
 EXHAUST SYSTEM: 16 gauge heavy duty in-line muffler(s) with exhaust out of rear corner of body
 FRAME: One piece channel 9 5/8" high with 3" flanges made of 1/4" steel
 FUEL TANK: ⁵⁵ ~~40~~ gallon capacity, ~~located behind left front wheel with electric fuel pump~~, located behind ²⁷ left front wheel with electric fuel pump
 G.V.W. RATING: ²⁷ 28,000 pound
 HORN: Electrical dual with non-glare horn button
 INSTRUMENTS: ~~AND GAUGES~~ Speedometer; odometer; ammeter; ^{level} fuel; oil pressure & water temperature; ~~gauge~~ and emergency brake warning light
 SHOCK ABSORBERS: Direct acting, double action piston type; front and rear
 SPRINGS: ^{3"} ~~2 1/2"~~ x 52" semi-elliptic, two stage progressive, variable rate leaf spring, ^{8500#} capacity each; front and rear
 STEERING GEAR: Ross model TE70 with ~~30:26:30~~ ratio
 TIRES: 9:00 x 20 - 12 ply; single front, 9:00 x 20 - 10 ply, dual rear
 VACUUM RESERVE: ¹⁰⁰⁰ ~~3500~~ cubic inches capacity tank
 WHEELS: 10 stud ~~hub~~, 7.0" rim; single front, dual rear
disc



BLUE BIRD wanderlodge

CK W/AA

1970 STANDARD EQUIPMENT SPECIFICATIONS

WANDERLODGE AXLES AND BRAKES ^{2/28}₁₄

FRONT

Axle Capacity	11,000
Rockwell Standard Model	FE900-HD
Brake Type	Vacuum Boosted Hydraulic ?
Brake Size	15 x 3 1/2 x 5/16
Lining Area	233 sq. in.
Drum Area	330 sq. in.
Wheels	10 Studd Budd
Track	30 3/4

Hydraulic with Vacuum Booster

REAR

Axle Capacity	17,000
Rockwell Standard Model	H-140-HD
Brake Type	Vacuum Boosted Hydraulic ?
Brake Size	15 x 5 x 1/2
Lining Area	379 sq. in.
Drum Area	535 sq. in.
Wheels	10 Stud Budd
Track	70

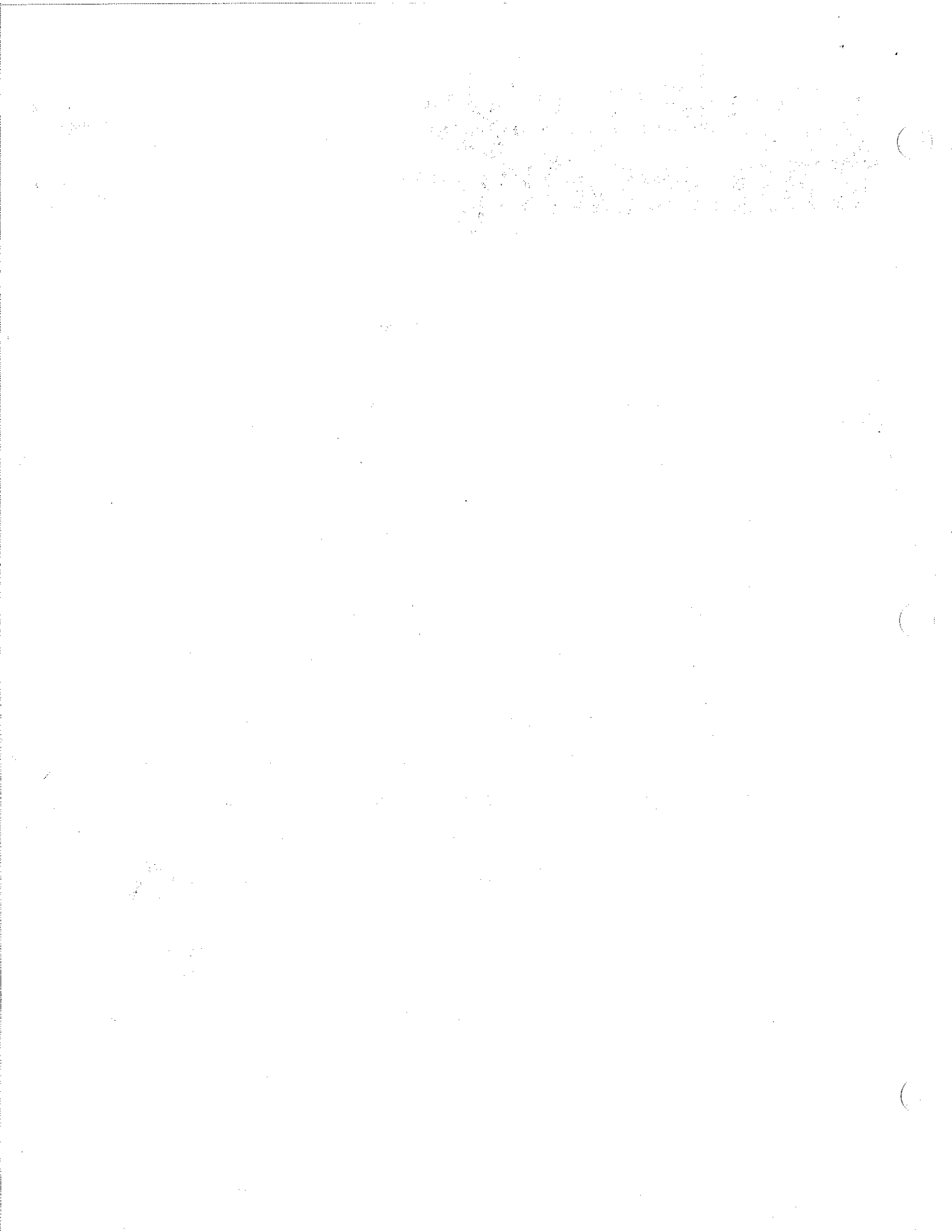
Hydraulic with Vacuum Booster

TIRE SPECIFICATIONS

Front Tires - 9:00 x 20 - 12 ply nylon (capacity 5150 - inflation 95 lbs.)

Rear Tires - 9:00 x 20 - 10 ply nylon (capacity 4040 - inflation 70 lbs.)

FORM NO. WL-59520
Oct. 21, 1968



BLUE BIRD wanderlodge

CH W/AA

1960 STANDARD EQUIPMENT SPECIFICATIONS ²³⁸
WANDERLODGE CHASSIS ENGINES ²²⁷
13

MAKE	GMC 401	GMC 401A
TYPE	4 Cycle Gasoline Valve-in-head	4 Cycle Gasoline Valve-in-head
NUMBER OF CYLINDERS	6 60° Vee	6 60° Vee
BORE x STROKE (Inches)	4.87 x 3.58	4.87 x 3.58
DISPLACEMENT (Cubic Inches)	401	401
COMPRESSION RATIO	7.5 to 1	7.5 to 1
SAE HORSEPOWER	56.92	56.92
MAX. (Gr.) BHP @ RPM	237 @ 4000	237 @ 4000
MAX. (Net) BHP @ RPM	210 @ 3700 3400	210 @ 3700 3400
MAX. (Gr.) TORQUE @ RPM	372 @ 1600	372 @ 1600
MAX. (Net) TORQUE @ RPM	348 @ 1600	348 @ 1600
MAX. GOV. RPM - Load/No Load	3700/ 3700 3400	3700/ 3700 3400
GOVERNOR - Type	Positive Hydraulic	Positive Hydraulic
PISTON MATERIAL	Cast Aluminum	Cast Aluminum
CARBURETOR - Type	Duplex Downdraft	Duplex Downdraft
CRANKCASE CAPACITY - Dry/Refill	11/9 Qts.	11/9 Qts.
COOLING SYSTEM - Cap. (Quarts)	38	38
Fan	22" Dia. - 5 Blades	22" Dia. - 5 Blades
WATER PUMP CAP. @ ENGINE RPM	130 g.p.m. @ 3400	130 g.p.m. @ 3400
GENERATOR - Capacity	12 Volt - 62 Amp. A.C.	12 Volt - 62 Amp. A.C.
Poplarity	Negative Ground	Negative Ground
OIL FILTER TYPE	Full Flow Replaceable Element	Full Flow Replaceable Element
AIR CLEANER TYPE	Oil Bath - 1 Quart	Oil Bath - 1 Quart
EXHAUST SYSTEM	Dual 2½" O.D. With one muffler per pipe	Dual 2½" O.D. with one muffler per pipe
CLUTCH - Make	Lipe Rollway 13 DPB	NOT REQUIRED
Type	Single Plate - Dry Disc (Hyd)	WITH
Size	12 7/8" O.D. - 7 1/4" I.D.	ALLISON
Frictional Area	177.8 Sq. Inches	TRANSMISSION
TRANSMISSION - Type	Synchro-Mesh	Allison Automatic
No. Speeds	5 Forward - 1 Reverse	6 Forward - 1 Reverse
Ratios - First	6.99	5.29
Second	4.09	3.81
Third	2.24 Clark	2.69 Allison
Fourth	1.47 285V	1.94 MT40
Fifth	Direct	1.39
Sixth		Direct
Reverse	5.89	6.04
Lubricant Capacity	12 Pints	19 Quarts
Bellhouse Size	SAE #2	GMC Std.
Companion Flange	1480 Spicer	1480 Spicer
HAND BRAKE - Type	Band and Drum	Band And Drum
Size	9 1/2" x 3"	10 1/2" x 3"
Lining Area	85 Sq. Inches	99.1 Sq. Inches

1950

1950

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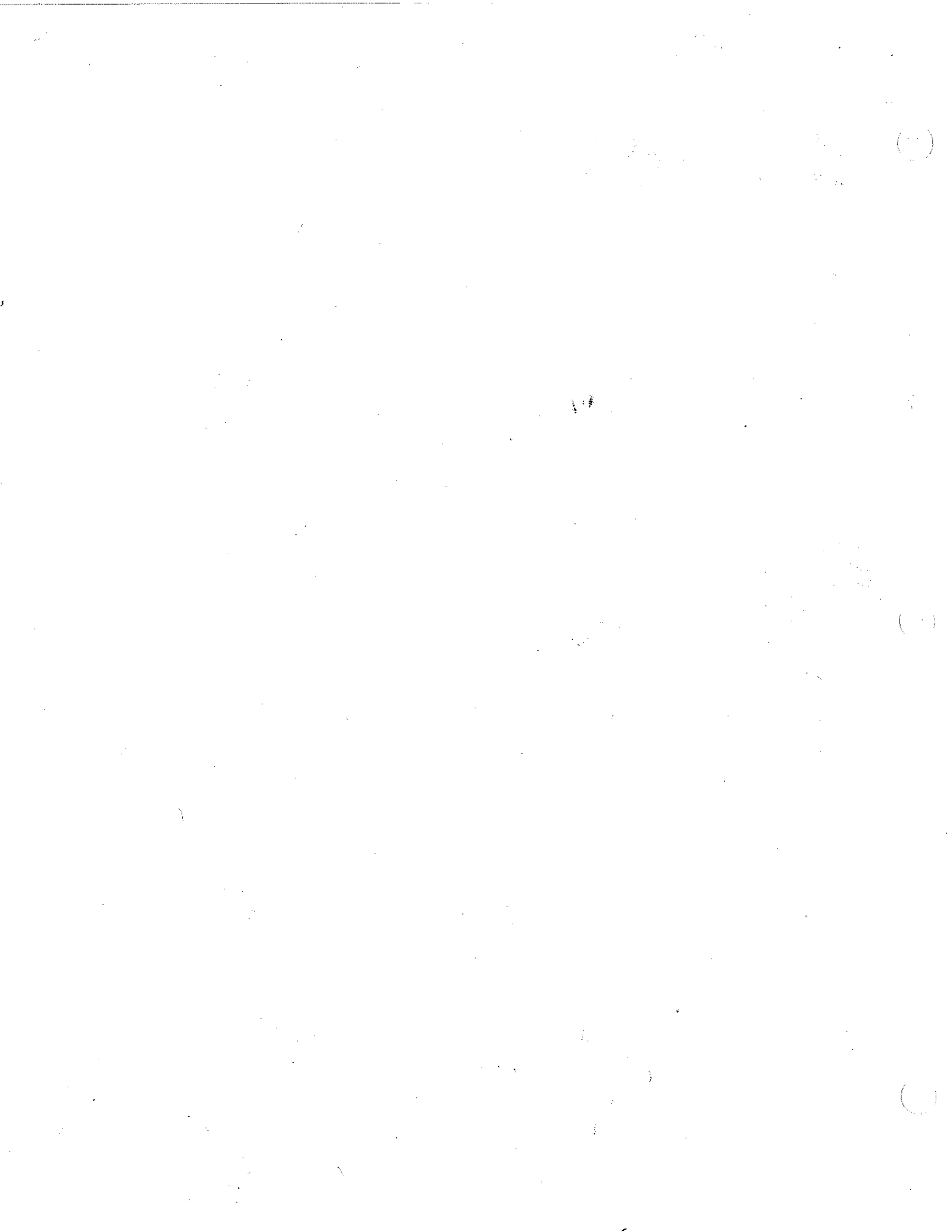
BLUE BIRD wanderlodge®

FORT VALLEY, GEORGIA



1960 STANDARD EQUIPMENT SPECIFICATIONS ^{2B7} WANDERLODGE CHASSIS ENGINES ²⁷₁₃

MAKE	FORD	FORD TRANSMATIC
	391	391A
TYPE	4 Cycle Gasoline	4 Cycle Gasoline
	Valve-in-head	Valve-in-head
NUMBER OF CYLINDERS	8 - 90° Vee	8 - 90° Vee
BORE x STROKE (Inches)	4.05 x 3.79	4.05 x 3.79
DISPLACEMENT (Cubic Inches)	391	391
COMPRESSION RATIO	7.2 to 1	7.2 to 1
SAE HORSEPOWER	52.5 52.5	52.5 52.5
MAX. (Gr.) B.H.P. @ RPM	235 @ 4000	235 @ 4000
MAX. (Net) B.H.P. @ RPM	199 @ 3800	199 @ 3800
MAX. (Gr.) TORQUE @ RPM	372 @ 2000	372 @ 2000
MAX. (Net) TORQUE @ RPM	342 @ 2000	342 @ 2000
MAX. GOV. RPM - Load/No Load	3600/3800	3600/3800
GOVERNOR - Type	Centrifugal-Vacuum	Centrifugal-Vacuum
PISTON MATERIAL	Aluminum Alloy	Aluminum Alloy
CARBURETOR - Type	4-Venturi, Downdraft	4-Venturi, Downdraft
CRANKCASE CAPACITY - Dry/Refill	9/8 Qts.	9/8 Qts.
COOLING SYSTEM - Cap. (Quarts)	30	25.5
	Fan	20" Dia. - 5 Blades
WATER BUMP CAP. @ ENGINE RPM	96 g.p.m. @ 3800	96 g.p.m. @ 3800
GENERATOR - Capacity	12 Volt - 65 Amp A.C.	12 Volt - 65 Amp A.C.
	Polarity	Negative Ground
OIL FILTER TYPE	Full Flow	Full Flow
	Replaceable Element	Replaceable Element
AIR CLEANER TYPE	Oil Bath - 1 Quart	Oil Bath - 1 Quart
EXHAUST SYSTEM	Single 2½" O.D. with one muffler per pipe	Single 2½" O.D. with one muffler per pipe
CLUTCH - Make	Long	NOT REQUIRED
	Type	Single Plate - Dry Disc. (Hyd.)
	Size	12.875" O.D. - 7.00 I.D.
	Frictional Area	183.4 Sq. Inches
TRANSMISSION - Type	Synchro-Mesh	Transmatic
	No Speeds	6 Forward - 1 Reverse
	Ratios - First	5.29
		Second 3.81
		Third 2.69
		Fourth 1.94 Allison
		Fifth Direct 1.39 MT40
		Sixth Direct 6.04
	Reverse	6.04
	Lubricant Capacity	19 Quarts
	Bellhouse Size	Ford Standard
	Companion Flange	1480 Spicer
HAND BRAKE - Type	Bendix Internal Shoe	Bendix Internal Shoe
	Size	9" x 3"
	Lining Area	63.42 Sq. Inches

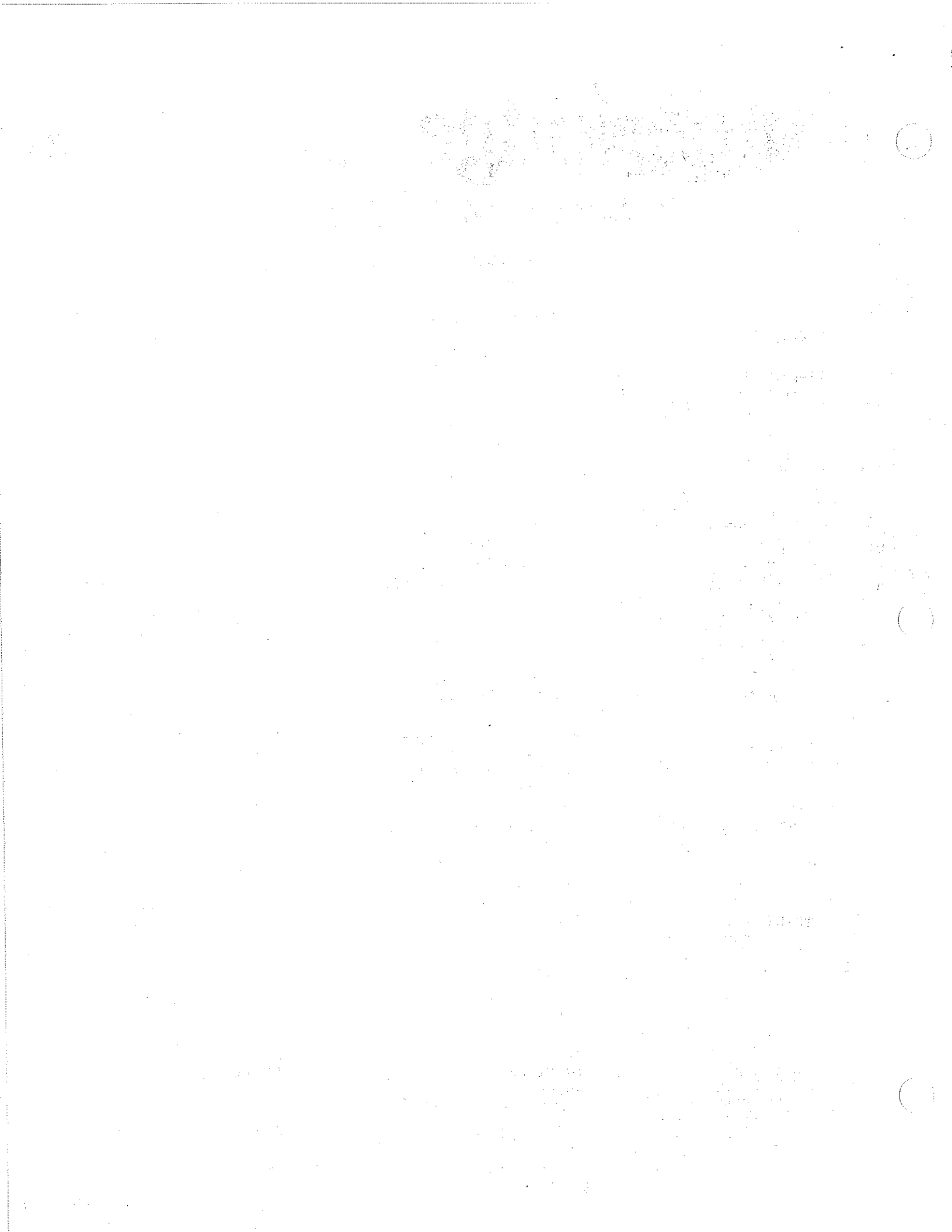


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1980 STANDARD EQUIPMENT SPECIFICATIONS 19
WANDERLODGE CHASSIS ENGINES 13

MAKE	CHEVROLET 366	CHEVROLET 366A
TYPE	4 Cycle Gasoline	4 Cycle Gasoline
NUMBER OF CYLINDERS	Valve-in-head	Valve-in-head
BORE x STROKE (Inches)	8 - 90° Vee	8 - 90° Vee
DISPLACEMENT (Cu. In.)	3.9375 x 3.76	3.9375 x 3.76
COMPRESSION RATIO	366	366
SAE HORSEPOWER	8.0 to 1	8.0 to 1
MAX. (Gr.) BHP @ RPM	49.56	49.56
MAX. (Net) BHP @ RPM	235 @ 4000	235 @ 4000
MAX. (Gr.) TORQUE @ RPM	165 200 @ 4000	165 200 @ 4000
MAX. (Net) TORQUE @ RPM	345 @ 2400	345 @ 2600
MAX. GOV. RPM - Load/No Load	310 315 @ 2200	310 315 @ 2400
GOVERNOR - Type	4000/4000	4000/4000
PISTON MATERIAL	Vacuum Spinner	Vacuum Spinner
CARBURETOR - Type	Cast Aluminum Alloy	Cast Aluminum Alloy
CRANKCASE CAPACITY - Dry/Refill	Four Barrel Downdraft	Four Barrel Downdraft
COOLING SYSTEM - Cap. (Qts.)	7 3/4/6	7 3/4/6
Fan	27.5	27.5
WATER PUMP CAP. @ ENG. RPM	20 Dia. - 6 Blades	20 Dia. - 6 Blades
GENERATOR - Capacity	81 g.p.m. @ 4000	81 g.p.m. @ 4000
Polarity	12 Volt - 60 Amp A.C.	12 Volt - 60 Amp A.C.
OIL FILTER TYPE	Negative Ground	Negative Ground
AIR CLEANER TYPE	Full Flow	Full Flow
EXHAUST SYSTEM	Replaceable Element	Replaceable Element
CLUTCH - Make	Oil Bath - 1 Quart	Oil Bath - 1 Quart
Type	Dual 2½ OD with one muffler per pipe	Dual 2½ OD with one muffler per pipe
Size	Borg & Beck	NOT REQUIRED
Frictional Area	Single Plate Dry Disc. (Hyd.)	WITH ALLISON
TRANSMISSION - Type	12 7/8 OD - 7 1/4 ID	AUTOMATIC
No. Speeds	178 177 -Sq. Inches	TRANSMISSION
Ratios - First	Synchro-Mesh	Allison Automatic
Second	5 Forward - 1 Reverse	6 Forward - 1 Reverse
Third	7.07	5.29
Fourth	3.90	3.81
Fifth	2.29	2.69
Sixth	1.37 Spicer	1.94 Allison
Reverse	Direct 3152F	1.39 MT-40
Lubricant Cap.	6.96	Direct
Bellhouse Size	10 Pints	6.04
Companion Flange	Chevrolet Std.	19 Quarts
HAND BRAKE - Type	1480 Spicer	Chevrolet Std.
Size	Band and Drum	1480 Spicer
Lining Area	9½ x 3	Band and Drum
	85 Sq. Inches	10½ x 3
		99.1 Sq. Inches



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BLUE BIRD wanderlodge®

FORT VALLEY, GEORGIA

SPEED CHART - MILES PER HOUR ²⁰/₁₄

Engine
Transmission
Engine Governed Speed

Ford 391A
Allison MT40
~~3600~~ RPM
3800

Transmission
Ratio

5.3 Axle Ratio
M.P.H.

1 - 5.29

~~12.4~~ 14.2

2 - 3.81

~~18.6~~ 19.7

3 - 2.69

~~26.4~~ 27.8

4 - 1.94

~~36.0~~ 38.6

5 - 1.39

~~51.1~~ 53.9

6 - 1.00

~~71.0~~ 74.9

Engine
Transmission
Engine Governed Speed

Ford 391
Spicer 5652
~~2600~~ RPM
3800

Transmission
Ratio

5.8 Axle Ratio
M.P.H.

1 - 7.08

~~10.0~~ 10.6

2 - 3.83

~~18.5~~ 19.5

3 - 2.36

~~30.1~~ 31.7

4 - 1.45

~~49.0~~ 51.6

5 - 1.00

~~71.00~~ 74.9

BLUE BIRD wanderlodge

CK w/ AA

SPEED CHART ⁷²⁸ MILES PER HOUR ₁₄

Engine
Transmission
Engine Governed Speed

GMC 401A
Allison MT40
~~3700~~ RPM
3400

Transmission *(All Caps)*
Ratio

5.8 Axle Ratio *(All Caps)*
M.P.H.

1 - 5.29
2 - 3.81
3 - 2.69
4 - 1.94
5 - 1.39
6 - 1.00

~~13.8~~ 12.7
~~19.1~~ 17.6
~~27.1~~ 24.9
~~37.5~~ 34.5
~~52.4~~ 48.2
~~72.9~~ 67.0

Engine
Transmission
Engine Governed Speed

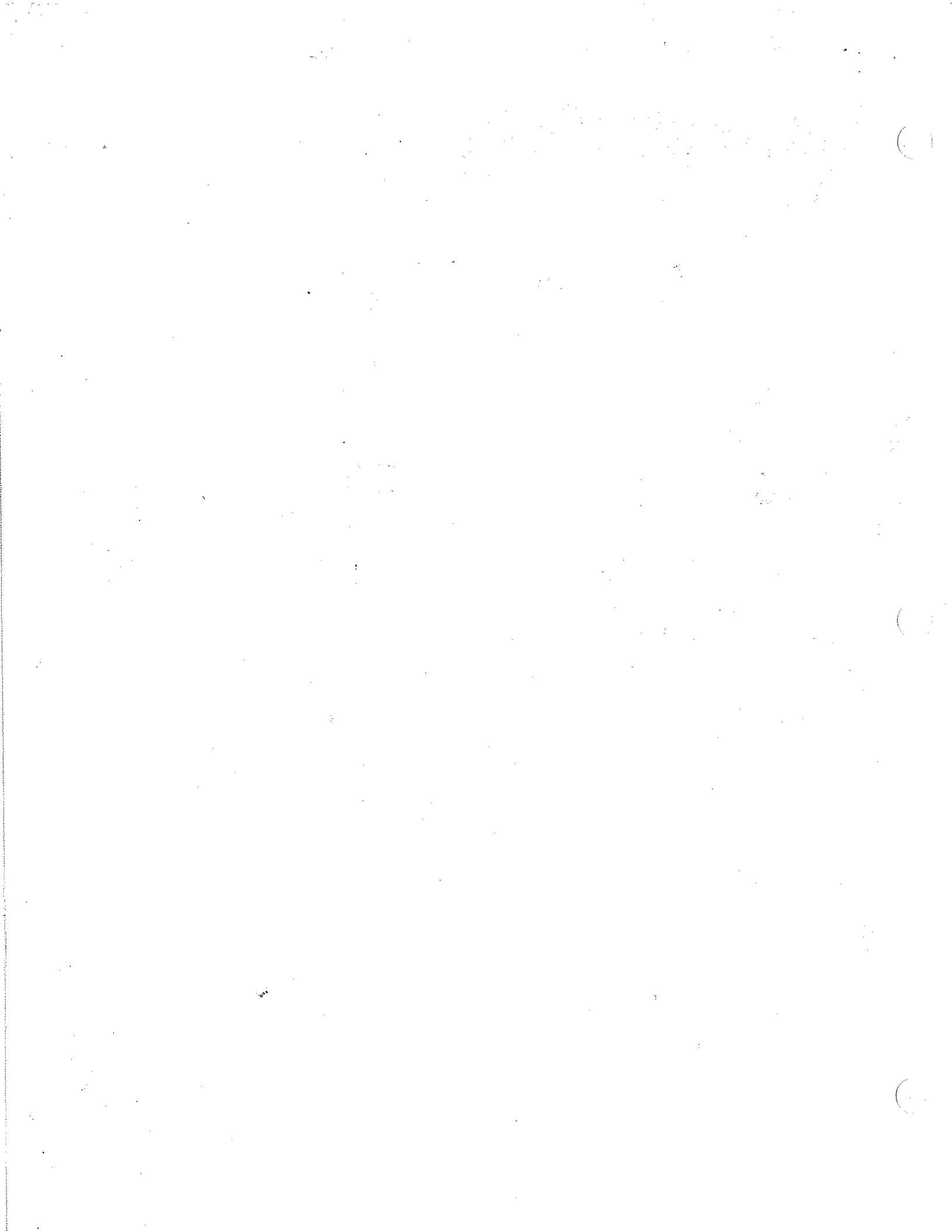
GMC 401
Clark 285V
~~3700~~ RPM
3400

Transmission
Ratio

5.8 Axle Ratio
M.P.H.

1 - 6.99
2 - 4.09
3 - 2.24
4 - 1.47
5 - 1.00

~~40.4~~ 9.6
~~17.8~~ 16.4
~~32.5~~ 29.9
~~49.6~~ 45.6
~~72.9~~ 67.0



BLUE BIRD wanderlodge

CK W/ AA

SPEED CHART - MILES PER HOUR

220
214

Engine
Transmission
Engine Governed Speed

Chevrolet 366A
Allison MT40
4000 RPM

Transmission
Ratio

5.8 Axle Ratio
M.P.H.

1 - 5.29

14.9

2 - 3.81

20.6

3 - 2.69

29.3

4 - 1.94

40.6

5 - 1.39

56.6

6 - 1.00

78.7

Engine
Transmission
Engine Governed Speed

Chevrolet 366
Spicer 3152F
4000 RPM

Transmission
Ratio

5.8 Axle Ratio
MPH

1 - 7.07

11.1

2 - 3.90

20.2

3 - 2.29

34.3

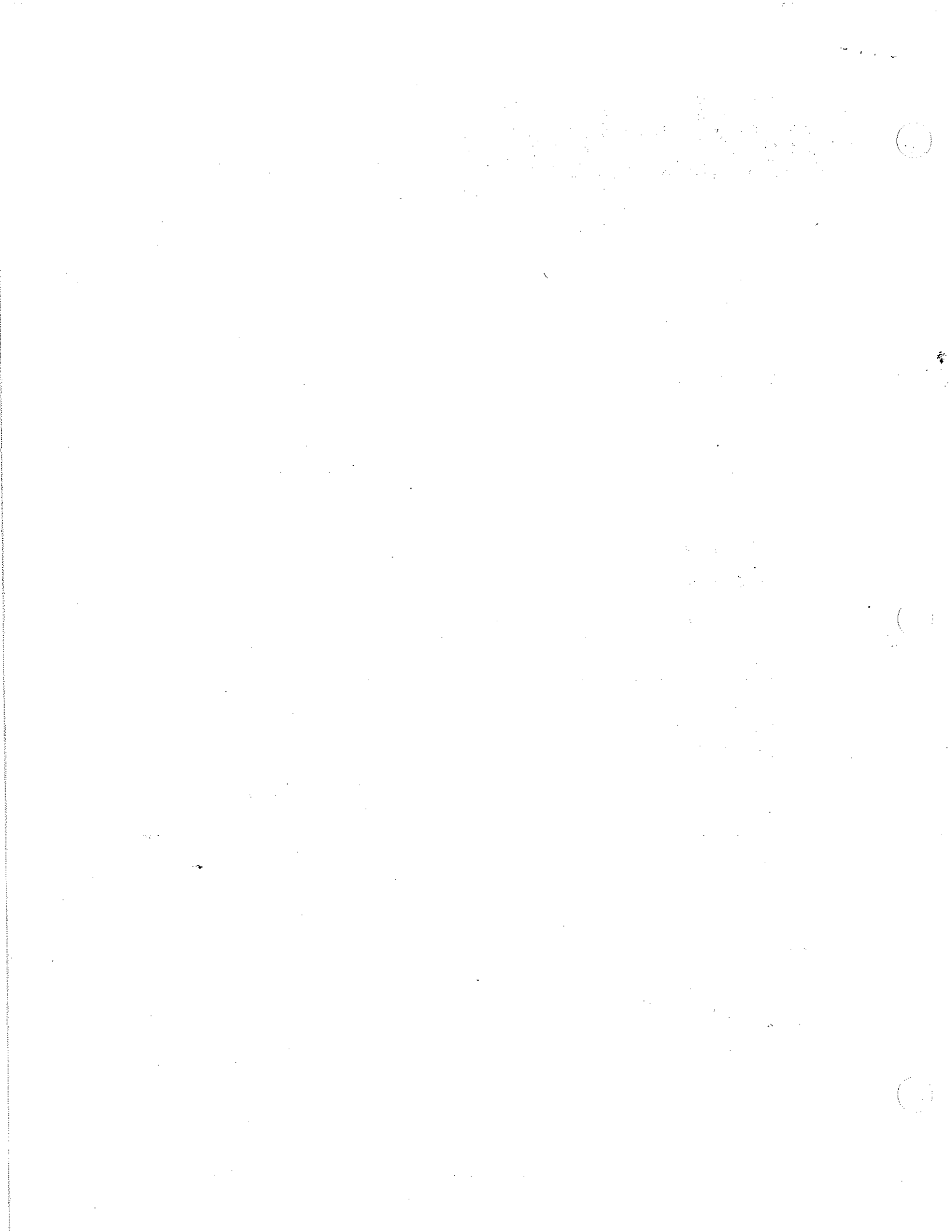
4 - 1.37

57.5

5 - 1.00

78.7

FORM NO. WL - 69523
Oct. 21, 1968



Blue Bird

1969 FORWARD CONTROL CHASSIS

179" WHEELBASE

29' TURNING RADIUS

ENGINE	SYMBOL	HORSEPOWER	TORQUE	TRANSMISSION	GENERATOR	
Chevrolet	366	235 @ 4000	345 @ 2600	Spicer	5-Speed	62 Amp A.C.
Chevrolet	366A	235 @ 4000	345 @ 2600	Allison Auto	6-Speed	62 Amp A.C.
Chevrolet	427	260 @ 4000	405 @ 2600	Spicer	5-Speed	62 Amp A.C.
Ford	391	235 @ 4000	372 @ 2000	Spicer	5-Speed	65 Amp A.C.
Ford	391A	235 @ 4000	372 @ 2000	Allison Auto	6-Speed	65 Amp A.C.
GMC	401	237 @ 4000	372 @ 1600	Clark	5-Speed	62 Amp A.C.
GMC	401A	237 @ 4000	372 @ 1600	Allison Auto	6-Speed	62 Amp A.C.
Cummins D.	V8-185	185 @ 3300	352 @ 1300	Spicer	5-Speed	62 Amp A.C.
Cummins D.	C-160	160 @ 2500	376 @ 1400	Spicer	5-Speed	50 Amp D.C.

STANDARD CHASSIS EQUIPMENT:

- AXLES: 11,000# Front; 17,000# Rear, Single Speed 6.8 to 1 Ratio (V8-185, C-160 - 12,000# Front; 13,500# Rear, Single Speed, C-160 5.8 to 1 Ratio)
- BATTERY: ~~4~~ 6-Volt, 105 Amp @ 20 Hour Rate (V8-185, C-160 - One 12 Volt, 204 Amp)
- BRAKES: Vacuum Over Hydraulic Dual System with 1 3/4" Bore x 1 7/16" Stroke Tandem Master Cylinder, 512 Sq. In. Total Lining Area (V8-185, C-160 - Full Air with Relay Valve 746 Sq. Inches Total Lining Area)
- CONTROLS: Choke, Key Type Starter Switch, Headlight Switch, Dimmer Switch, High Beam Indicator and Hazard Signal Switch
- DRIVE LINE: Spicer 1480 Series (427, C-160 - Spicer 1550 Series) with Protective Guard Around Each Shaft
- ELECTRICS: 12 Volt
- EXHAUST SYSTEM: 16 Gauge Heavy Duty In-Line Muffler(s)
- FRAME: One Piece Channel 9 5/8" High with 3" Flanges Made of 1/4" Steel
- FUEL TANK: 40 Gallon Capacity, 16 Gauge Terne Plate Tank (V8-185, C-160 - 50 Gallon Capacity)
- G.V.W. RATING: 28,000 lbs.
- HORN: Electrical Dual with Non-glare Horn Button Emblem
- INSTRUMENTS: Speedometer; Odometer; Ammeter; Fuel, Oil Pressure and Water Temperature Gauges
- SHOCK ABSORBERS: Direct Acting, Double Action Piston Type; Front and Rear
- SPRINGS: 2 1/2" x 52" Semi-elliptic, Two Stage Progressive, Variable Rate Leaf Spring, 6000# Capacity Each; Front and Rear
- STEERING GEAR: Ross Model TE70 with 32:33:32 Ratio
- TIRES: 9:00 x 20 - 10 Ply; Single Front, Dual Rear
- TRANSMISSION: Direct Drive
- VACUUM RESERVE: 3500 Cubic Inches Capacity Tank (Hydraulic Brakes Only)
- WHEELS: 10 Stud Budd, 7.0" Rim; Single Front, Dual Rear
- FULL AIR EQUIPMENT: Air Gauge, 12 CFM Compressor and two 1240 Cu. In. Tanks (V8-185 & C-160)

For Chassis Optional Equipment, Refer To
Group III, Optional Equipment Price List

Blue Bird



1969 FORWARD CONTROL CHASSIS

194" WHEELBASE

31' TURNING RADIUS

ENGINE	SYMBOL	HORSEPOWER	TORQUE	TRANSMISSION	GENERATOR	
Chevrolet	366	235 @ 4000	345 @ 2600	Spicer	5-Speed	62 Amp A.C.
Chevrolet	366A	235 @ 4000	345 @ 2600	Allison Auto	6-Speed	62 Amp A.C.
Chevrolet	427	260 @ 4000	405 @ 2600	Spicer	5-Speed	62 Amp A.C.
Ford	391	235 @ 4000	372 @ 2000	Spicer	5-Speed	65 Amp A.C.
Ford	391A	235 @ 4000	372 @ 2000	Allison Auto	6-Speed	65 Amp A.C.
GMC	401	237 @ 4000	372 @ 1600	Clark	5-Speed	62 Amp A.C.
GMC	401A	237 @ 4000	372 @ 1600	Allison Auto	6-Speed	62 Amp A.C.
Cummins D.	V8-185	185 @ 3300	352 @ 1800	Spicer	5-Speed	62 Amp A.C.
Cummins D.	C-160	160 @ 2500	376 @ 1400	Spicer	5-Speed	50 Amp D.C.
Cummins D.	C-180	180 @ 2500	425 @ 1700	Spicer	5-Speed	50 Amp D.C.

STANDARD CHASSIS EQUIPMENT

- AXLES:** 11,000# Front; 17,000# Rear, Single Speed 6.8 to 1 Ratio (V8-185, C-160, C-180 - 12,000# Front; 18,500# Rear, Single Speed, C-160, C-180 - 5.8 to 1 Ratio)
- BATTERY:** Two 6-Volt, 105 Amp @ 20 Hour Rate (V8-185, C-160 & C-180 - One 12 Volt, 204 Amp)
- BRAKES:** Vacuum Over Hydraulic Dual System with 1 3/4" Bore x 1 7/16" Stroke Tandem Master Cylinder, 612 Sq. In. Total Lining Area (V8-185, C-160, C-180 - Full Air with Relay Valve, 746 Sq. In. Total Lining Area)
- CONTROLS:** Choke, Key Type Starter Switch, Headlight Switch, Dimmer Switch, High Beam Indicator, and Hazard Signal Switch.
- DRIVE LINE:** Spicer 1480 Series (427, C-160 & C-180 - Spicer 1550 Series) with Protective Guard Around Each Shaft
- ELECTRICS:** 12 Volt
- EXHAUST SYSTEM:** 16 Gauge Heavy Duty In-Line Muffler(s)
- FRAME:** One Piece Channel 9 5/8" High with 3" Flanges Made of 1/4" Steel
- FUEL TANK:** 40 Gallon Capacity, 16 Gauge Terne Plate Tank (V8-185, C-160 & C-180 - 60 Gallon Capacity)
- G.V.W. RATING:** 28,000 lbs. (C-180 - 29,000 lbs.)
- HORN:** Electrical Dual with Non-glare Horn Button Emblem
- INSTRUMENTS:** Speedometer; Odometer; Ammeter; Fuel, Oil Pressure and Water Temperature Gauges
- SHOCK ABSORBERS:** Direct Acting, Double Action Piston Type; Front and Rear
- SPRINGS:** 3" x 52" Semi-elliptic, Two Stage Progressive, Variable Rate Leaf Spring, 7000# Capacity Each; Front and Rear
- STEERING GEAR:** Ross Model TE70 with 32:26:32 Ratio
- TIRES:** 9:00 x 20 - 12 Ply; Single Front, Dual Rear
- TRANSMISSION:** Direct Drive
- VACUUM RESERVE:** 3500 Cubic Inches Capacity Tank (Hydraulic Brakes Only)
- WHEELS:** 10 Stud Budd, 7.0" Rim; Single Front, Dual Rear
- FULL AIR EQUIPMENT:** Air Gauge, 12 CFM Compressor and two 1240 Cu. In. Tanks (V8-185, C-160 & C-180)

For Chassis Optional Equipment, Refer to
Group III, Optional Equipment Price List

Blue Bird



1969 FORWARD CONTROL CHASSIS

179" WHEELBASE

29' TURNING RADIUS

ENGINE	SYMBOL	HORSEPOWER	TORQUE	TRANSMISSION	GENERATOR
Chevrolet	366	235 @ 4000	345 @ 2600	Spicer	5-Speed 62 Amp A.C.
Chevrolet	366A	235 @ 4000	345 @ 2600	Allison Auto	6-Speed 62 Amp A.C.
Chevrolet	427	260 @ 4000	405 @ 2600	Spicer	5-Speed 62 Amp A.C.
Ford	391	235 @ 4000	372 @ 2000	Spicer	5-Speed 65 Amp A.C.
Ford	391A	235 @ 4000	372 @ 2000	Allison Auto	6-Speed 65 Amp A.C.
GMC	401	237 @ 4000	372 @ 1600	Clark	5-Speed 62 Amp A.C.
GMC	401A	237 @ 4000	372 @ 1600	Allison Auto	6-Speed 62 Amp A.C.
Cummins D.	V8-185	185 @ 3300	352 @ 1800	Spicer	5-Speed 62 Amp A.C.
Cummins D.	C-160	160 @ 2500	376 @ 1400	Spicer	5-Speed 50 Amp D.C.

STANDARD CHASSIS EQUIPMENT:

- AXLES: 11,000# Front; 17,000# Rear, Single Speed 6.8 to 1 Ratio (V8-185, C-160 - 12,000# Front; 18,500# Rear, Single Speed, C-160 5.8 to 1 Ratio)
- BATTERY: Two 6-Volt, 105 Amp @ 20 Hour Rate (V8-185, C-160 - One 12 Volt. 204 Amp)
- BRAKES: Vacuum Over Hydraulic Dual System with 1 3/4" Bore x 1 7/16" Stroke Tandem Master Cylinder, 612 Sq. In. Total Lining Area (V8-185, C-160 - Full Air with Relay Valve 746 Sq. Inches Total Lining Area)
- CONTROLS: Choke, Key Type Starter Switch, Headlight Switch, Dimmer Switch, High Beam Indicator and Hazard Signal Switch
- DRIVE LINE: Spicer 1480 Series (427, C-160 - Spicer 1550 Series) with Protective Guard Around Each Shaft
- ELECTRICS: 12 Volt
- EXHAUST SYSTEM: 16 Gauge Heavy Duty In-Line Muffler(s)
- FRAME: One Piece Channel 9 5/8" High with 3" Flanges Made of 1/4" Steel
- FUEL TANK: 40 Gallon Capacity, 16 Gauge Terne Plate Tank (V8-185, C-160 - 60 Gallon Capacity)
- G.V.W. RATING: 28,000 lbs.
- HORN: Electrical Dual with Non-glare Horn Button Emblem
- INSTRUMENTS: Speedometer; Odometer; Ammeter; Fuel, Oil Pressure and Water Temperature Gauges
- SHOCK ABSORBERS: Direct Acting, Double Action Piston Type; Front and Rear
- SPRINGS: 2 1/2" x 52" Semi-elliptic, Two Stage Progressive, Variable Rate Leaf Spring, 6000# Capacity Each; Front and Rear
- STEERING GEAR: Ross Model TE70 with 32:46:32 Ratio
- TIRES: 9:00 x 20 - 10 Ply; Single Front, Dual Rear
- TRANSMISSION: Direct Drive
- VACUUM RESERVE: 3500 Cubic Inches Capacity Tank (Hydraulic Brakes Only)
- WHEELS: 10 Stud Budd, 7.0" Rim; Single Front, Dual Rear
- FULL AIR EQUIPMENT: Air Gauge, 12 CFM Compressor and two 1240 Cu. In. Tanks (V8-185 & C-160)

For Chassis Optional Equipment, Refer To Group III, Optional Equipment Price List

Blue Bird



1969 FORWARD CONTROL CHASSIS

194" WHEELBASE

31' TURNING RADIUS

ENGINE	SYMBOL	HORSEPOWER	TORQUE	TRANSMISSION	GENERATOR	
Chevrolet	366	235 @ 4000	345 @ 2600	Spicer	5-Speed	62 Amp A.C.
Chevrolet	366A	235 @ 4000	345 @ 2600	Allison Auto	6-Speed	62 Amp A.C.
Chevrolet	427	260 @ 4000	405 @ 2600	Spicer	5-Speed	62 Amp A.C.
Ford	391	235 @ 4000	372 @ 2000	Spicer	5-Speed	65 Amp A.C.
Ford	391A	235 @ 4000	372 @ 2000	Allison Auto	6-Speed	65 Amp A.C.
GMC	401	237 @ 4000	372 @ 1600	Clark	5-Speed	62 Amp A.C.
GMC	401A	237 @ 4000	372 @ 1600	Allison Auto	6-Speed	62 Amp A.C.
Cummins D.	V8-185	185 @ 3300	352 @ 1800	Spicer	5-Speed	62 Amp A.C.
Cummins D.	C-160	160 @ 2500	376 @ 1400	Spicer	5-Speed	50 Amp D.C.
Cummins D.	C-180	180 @ 2500	425 @ 1700	Spicer	5-Speed	50 Amp D.C.

STANDARD CHASSIS EQUIPMENT

AXLES: 11,000# Front; 17,000# Rear, Single Speed 6.8 to 1 Ratio (V8-185, C-160, C-180 - 12,000# Front; 18,500# Rear, Single Speed, C-160, C-180 - 5.8 to 1 Ratio)

BATTERY: Two 6-Volt, 105 Amp @ 20 Hour Rate (V8-185, C-160 & C-180 - One 12 Volt, 204 Amp)

BRAKES: Vacuum Over Hydraulic Dual System with 1 3/4" Bore x 1 7/16" Stroke Tandem Master Cylinder, 612 Sq. In. Total Lining Area (V8-185, C-160, C-180 - Full Air with Relay Valve, 746 Sq. In. Total Lining Area)

CONTROLS: Choke, Key Type Starter Switch, Headlight Switch, Dimmer Switch, High Beam Indicator, and Hazard Signal Switch.

DRIVE LINE: Spicer 1480 Series (427, C-160 & C-180 - Spicer 1550 Series) with Protective Guard Around Each Shaft

ELECTRICS: 12 Volt

EXHAUST SYSTEM: 16 Gauge Heavy Duty In-Line Muffler(s)

FRAME: One Piece Channel 9 5/8" High with 3" Flanges Made of 1/4" Steel

FUEL TANK: 40 Gallon Capacity, 16 Gauge Terne Plate Tank (V8-185, C-160 & C-180 - 60 Gallon Capacity)

G.V.W. RATING: 28,000 lbs. (C-180 - 29,000 lbs.)

HORN: Electrical Dual with Non-glare Horn Button Emblem

INSTRUMENTS: Speedometer; Odometer; Ammeter; Fuel, Oil Pressure and Water Temperature Gauges

SHOCK ABSORBERS: Direct Acting, Double Action Piston Type; Front and Rear

SPRINGS: 3" x 52" Semi-elliptic, Two Stage Progressive, Variable Rate Leaf Spring, 7000# Capacity Each; Front and Rear

STEERING GEAR: Ross Model TE70 with 32:26:32 Ratio

TIRES: 9:00 x 20 - 12 Ply; Single Front, Dual Rear

TRANSMISSION: Direct Drive

VACUUM RESERVE: 3500 Cubic Inches Capacity Tank (Hydraulic Brakes Only)

WHEELS: 10 Stud Budd, 7.0" Rim; Single Front, Dual Rear

FULL AIR EQUIPMENT: Air Gauge, 12 CFM Compressor and two 1240 Cu. In. Tanks (V8-185, C-160 & C-180)

For Chassis Optional Equipment, Refer to
Group III, Optional Equipment Price List

Warranty

BLUE BIRD ALL AMERICAN CHASSIS

Blue Bird Body Company warrants all parts of their chassis, except tires, for a period of twelve (12) months from date of original delivery to purchaser of each new chassis or before such chassis has been driven 12,000 miles, whichever event shall first occur, as shall, under normal use and service, appear to it to have been defective in workmanship or material. This warranty shall be limited to shipment, to the purchaser without charge, except for transportation, of the part or parts intended to replace those acknowledged by Blue Bird Body Company to be defective.

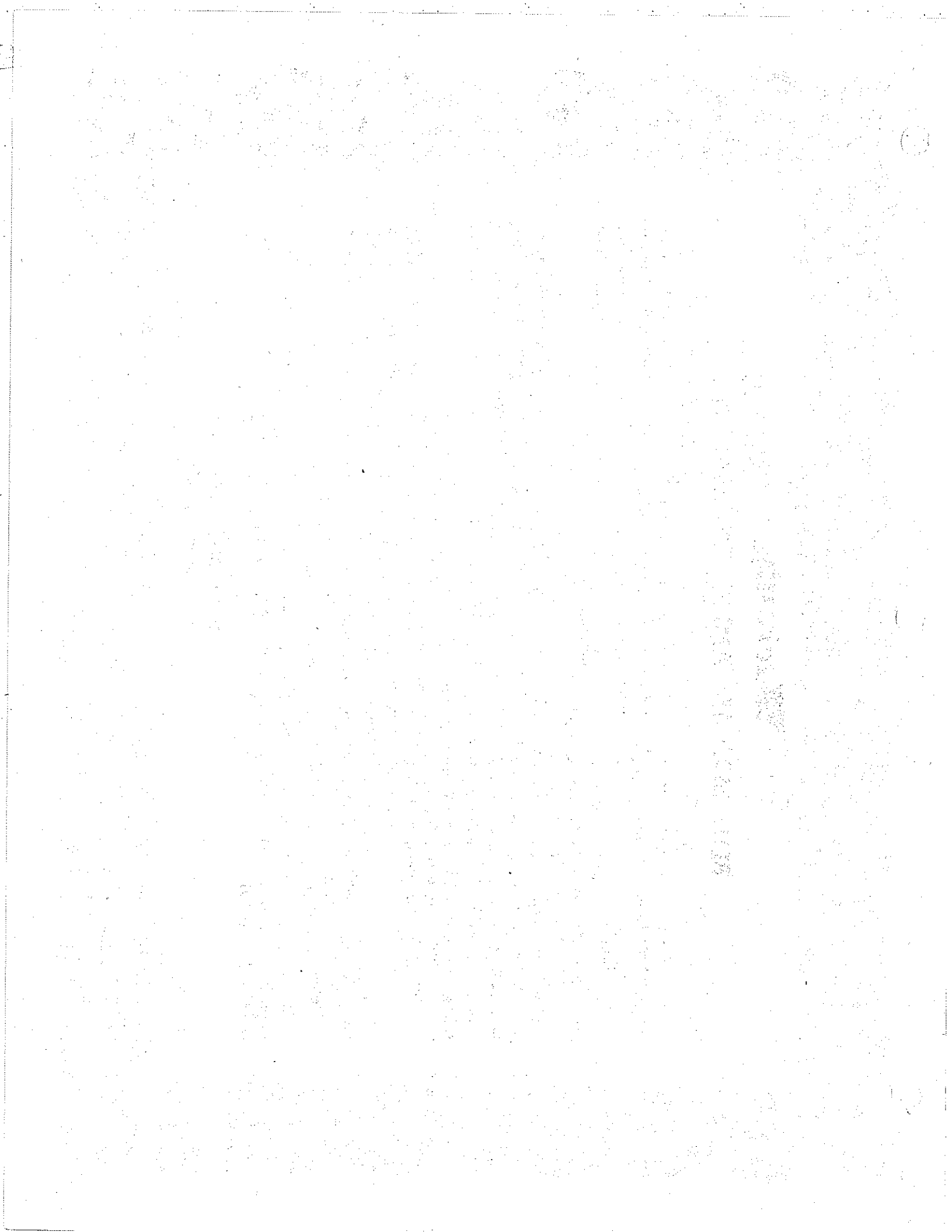
Blue Bird Body Company cannot and does not accept any responsibilities in connection with any of its chassis when they have been altered outside the factory or without the written approval of the Blue Bird Body Company Engineering Department. It is agreed that Blue Bird Body Company makes no warranty whatsoever regarding pneumatic tires. Overloading chassis beyond the normal seated and standee capacity voids all warranties.

This warranty is expressly in lieu of all other warranties expressed or implied and all other obligations or liabilities on the part of Blue Bird Body Company. No person, including salesmen, dealer, distributor or factory representative of Blue Bird Body Company is authorized to make any representation or warranty concerning Blue Bird Body Company products except to refer purchasers to this warranty.

Blue Bird Body Company reserves the right to make changes in design and changes or improvements upon its products without imposing any obligations upon itself to install the same upon products theretofore manufactured.

FORM NO. FC-69198

BLUE BIRD BODY COMPANY
Fort Valley, Georgia



Warranty

BLUE BIRD ALL AMERICAN CHASSIS

Blue Bird Body Company warrants all parts of their chassis, except tires, for a period of twelve (12) months from date of original delivery to purchaser of each new chassis or before such chassis has been driven 12,000 miles, whichever event shall first occur, as shall, under normal use and service, appear to it to have been defective in workmanship or material. This warranty shall be limited to shipment, to the purchaser without charge, except for transportation, of the part or parts intended to replace those acknowledged by Blue Bird Body Company to be defective.

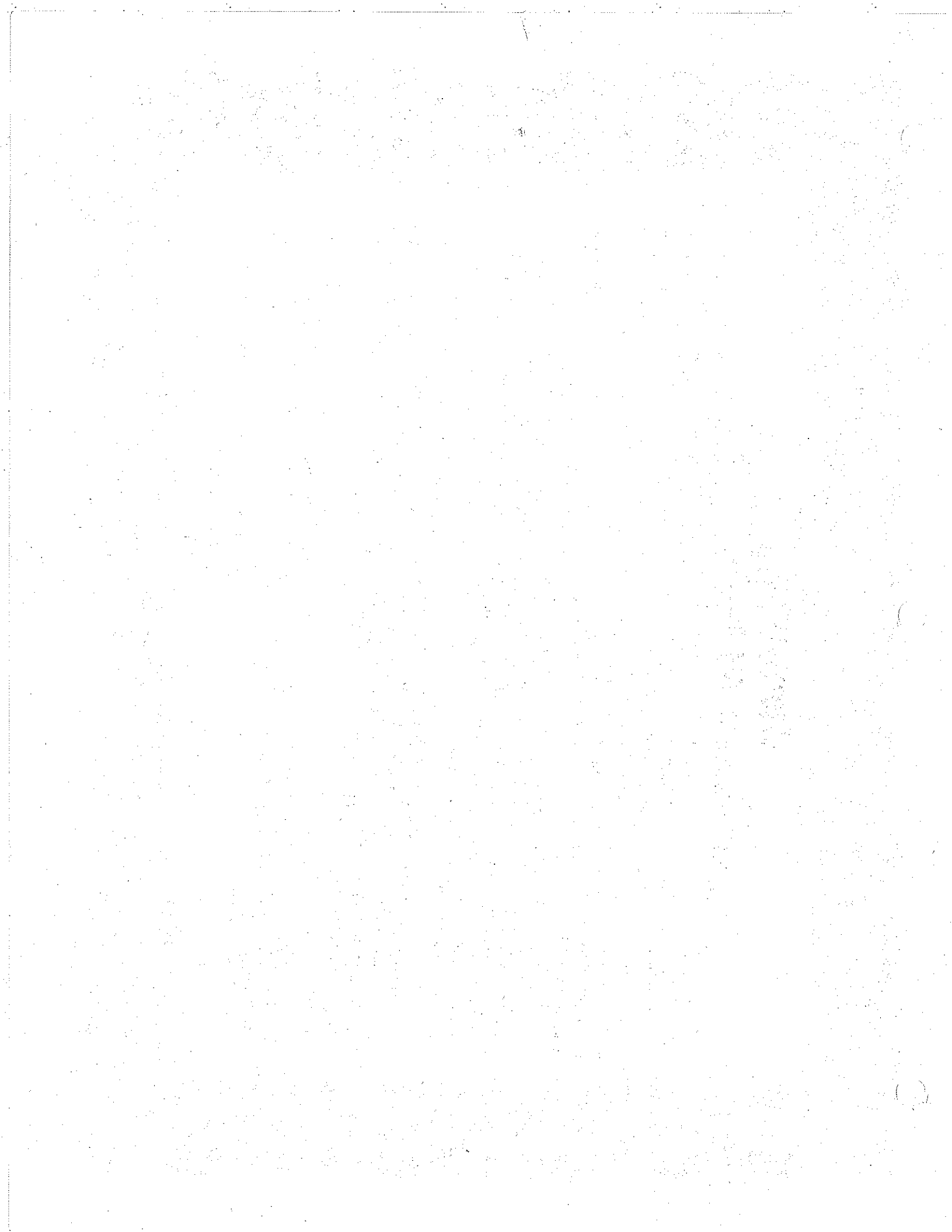
Blue Bird Body Company cannot and does not accept any responsibilities in connection with any of its chassis when they have been altered outside the factory or without the written approval of the Blue Bird Body Company Engineering Department. It is agreed that Blue Bird Body Company makes no warranty whatsoever regarding pneumatic tires. Overloading chassis beyond the normal seated and standee capacity voids all warranties.

This warranty is expressly in lieu of all other warranties expressed or implied and all other obligations or liabilities on the part of Blue Bird Body Company. No person, including salesmen, dealer, distributor or factory representative of Blue Bird Body Company is authorized to make any representation or warranty concerning Blue Bird Body Company products except to refer purchasers to this warranty.

Blue Bird Body Company reserves the right to make changes in design and changes or improvements upon its products without imposing any obligations upon itself to install the same upon products theretofore manufactured.

BLUE BIRD BODY COMPANY
Fort Valley, Georgia

FORM NO. FC-69198



Blue Bird



SPEED CHART - MILES PER HOUR

ENGINE - - - - - Ford 391
 TRANSMISSION - - - - - Spicer 5652
 ENGINE GOVERNED SPEED - - - - - 3600

Trans. Ratios	Tires--9:00x20				Tires--10:00x20			
	Rear Axle Ratios				Rear Axle Ratios			
	17,000; 18,500	18,500	17,000 18,500	18,500	17,000; 18,500	18,500	17,000 18,500	18,500
	5.83	6.17	6.8	7.2	5.83	6.17	6.8	7.2
	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH
1- 7.08	10.0	9.5	8.6	8.1	10.4	9.8	8.9	8.4
2- 3.83	18.5	17.5	15.9	15.0	19.2	18.1	16.5	15.5
3- 2.36	30.1	28.4	25.8	24.4	31.2	29.5	26.7	25.2
4- 1.45	49.0	46.2	41.9	39.6	50.8	48.0	43.5	41.0
5- 1.00	71.0	67.0	60.8	57.5	73.6	69.5	63.1	59.5

Trans. Ratios	Tires--9:00x20			Tires--10:00x20		
	Rear Axle Ratios-2 Speed			Rear Axle Ratios - 2 Speed		
	18,500	18,500	17,000	18,500	18,500	17,000
	5.62/7.73	6.00/8.24	6.16/8.48	5.62/7.73	6.00/8.24	6.16/8.48
	MPH	MPH	MPH	MPH	MPH	MPH
1- 7.08	10.4 - 7.6	9.7 - 7.1	9.5 - 6.9	10.8 - 7.8	10.1 - 7.4	9.8 - 7.2
2- 3.83	19.2 - 14.0	18.0 - 13.1	17.5 - 12.7	19.9 - 14.5	18.7 - 13.6	18.1 - 13.2
3- 2.36	31.1 - 22.6	29.2 - 21.2	28.4 - 20.6	32.3 - 23.5	30.3 - 22.1	29.5 - 21.4
4- 1.45	50.6 - 36.9	47.5 - 34.5	46.2 - 33.6	52.5 - 38.3	49.3 - 36.0	48.0 - 34.9
5- 1.00	73.5 - 53.5	68.9 - 50.1	67.0 - 48.7	76.2 - 55.5	71.5 - 52.1	69.5 - 50.6

ENGINE - - - - - Ford 391A
 TRANSMISSION - - - - - Allison MT40
 ENGINE GOVERNED SPEED - - - - - 3600

Trans. Ratios	Tires--9:00x20				Tires--10:00x20			
	Rear Axle Ratios				Rear Axle Ratios			
	17,000; 18,500	18,500	17,000 18,500	18,500	17,000; 18,500	18,500	17,000 18,500	18,500
	5.83	6.17	6.8	7.2	5.83	6.17	6.8	7.2
	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH
1- 5.29	13.4	12.7	11.5	10.9	13.9	13.1	11.9	11.2
2- 3.81	18.6	17.6	15.9	15.1	19.3	18.2	16.6	15.6
3- 2.69	26.4	24.9	22.6	21.4	27.4	25.8	23.5	22.1
4- 1.94	36.6	34.5	31.3	29.6	37.9	35.8	32.5	30.7
5- 1.39	51.1	48.2	43.7	41.4	53.0	50.0	45.4	42.9
6- 1.00	71.0	67.0	60.8	57.5	73.6	69.5	63.1	59.5

Blue Bird



SPEED CHART - MILES PER HOUR

ENGINE - - - - - GMC 401
 TRANSMISSION - - - - - Clark 285V
 ENGINE GOVERNED SPEED - - - - - 3700 RPM

Trans. Ratios	Tires--9:00x20				Tires--10:00x20			
	Rear Axle Ratios				Rear Axle Ratios			
	17,000; 18,500	18,500	17,000 18,500	18,500	17,000; 18,500	18,500	17,000 18,500	18,500
	5.83	6.17	6.8	7.2	5.83	6.17	6.8	7.2
	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH
1- 6.99	10.4	9.8	8.9	8.4	10.8	10.2	9.3	9.0
2- 4.09	17.8	16.8	15.3	14.4	18.5	17.4	15.8	15.0
3- 2.24	32.5	30.7	27.9	26.3	33.7	31.9	28.9	27.4
4- 1.47	49.6	47.1	42.5	40.1	51.5	48.6	44.0	41.7
5- 1.00	72.9	68.8	62.5	59.0	75.6	71.4	64.8	61.3

Trans. Ratios	Tires--9:00x20			Tires--10:00x20		
	Rear Axle Ratios - 2 Speed			Rear Axle Ratios - 2 Speed		
	18,500 5.62/7.73	18,500 6.00/8.24	17,000 6.16/8.48	18,500 5.62/7.73	18,500 6.00/8.24	17,000 6.16/8.48
	MPH	MPH	MPH	MPH	MPH	MPH
1- 6.99	10.8 - 7.9	10.1 - 7.4	9.9 - 7.2	11.2 - 8.2	10.5 - 7.7	10.2 - 7.4
2- 4.09	18.4 - 13.4	17.3 - 12.6	16.8 - 12.3	19.1 - 13.9	18.0 - 13.1	17.5 - 12.7
3- 2.24	33.7 - 24.5	31.6 - 23.0	30.7 - 22.4	35.0 - 25.4	32.8 - 23.9	31.9 - 23.2
4- 1.47	51.4 - 37.4	48.1 - 35.1	46.9 - 34.1	53.3 - 38.8	50.0 - 36.4	48.6 - 35.4
5- 1.00	75.5 - 55.0	70.8 - 51.6	68.9 - 50.1	78.4 - 57.0	73.5 - 53.5	71.5 - 52.0

ENGINE - - - - - GMC 401A
 TRANSMISSION - - - - - Allison MT40
 ENGINE GOVERNED SPEED - - - - - 3700 RPM

Trans. Ratios	Tires--9:00x20				Tires--10:00x20			
	Rear Axle Ratios				Rear Axle Ratios			
	17,000; 18,500	18,500	17,000 18,500	18,500	17,000; 18,500	18,500	17,000 18,500	18,500
	5.83	6.17	6.8	7.2	5.83	6.17	6.8	7.2
	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH
1- 5.29	13.8	13.0	11.8	11.2	14.3	13.5	12.2	11.6
2- 3.81	19.1	18.0	16.4	15.5	19.8	18.7	17.0	16.1
3- 2.69	27.1	25.6	23.2	21.9	28.1	26.5	24.1	22.8
4- 1.94	37.5	35.4	32.2	30.4	39.0	36.8	33.4	31.6
5- 1.39	52.4	49.5	45.0	42.5	54.4	51.4	46.6	44.1
6- 1.00	72.9	68.8	62.5	59.0	75.6	71.4	64.8	61.3

Blue Bird



SPEED CHART - MILES PER HOUR

ENGINE - - - - - Ford 391
 TRANSMISSION - - - - - Spicer 5652
 ENGINE GOVERNED SPEED - - - - - 3600

Trans. Ratios	Tires--9:00x20				Tires--10:00x20			
	Rear Axle Ratios				Rear Axle Ratios			
	17,000; 18,500	18,500	17,000 18,500	18,500	17,000; 18,500	18,500	17,000 18,500	18,500
	5.83	6.17	6.8	7.2	5.83	6.17	6.8	7.2
	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH
1- 7.08	10.0	9.5	8.6	8.1	10.4	9.8	8.9	8.4
2- 3.83	18.5	17.5	15.9	15.0	19.2	18.1	16.5	15.5
3- 2.36	30.1	28.4	25.8	24.4	31.2	29.5	26.7	25.2
4- 1.45	49.0	46.2	41.9	39.6	50.8	48.0	43.5	41.0
5- 1.00	71.0	67.0	60.8	57.5	73.6	69.5	63.1	59.5

Trans. Ratios	Tires--9:00x20			Tires--10:00x20		
	Rear Axle Ratios-2 Speed			Rear Axle Ratios - 2 Speed		
	18,500	18,500	17,000	18,500	18,500	17,000
	5.62/7.73	6.00/8.24	6.16/8.48	5.62/7.73	6.00/8.24	6.16/8.48
	MPH	MPH	MPH	MPH	MPH	MPH
1- 7.08	10.4 - 7.6	9.7 - 7.1	9.5 - 6.9	10.8 - 7.8	10.1 - 7.4	9.8 - 7.2
2- 3.83	19.2 - 14.0	18.0 - 13.1	17.5 - 12.7	19.9 - 14.5	18.7 - 13.6	18.1 - 13.2
3- 2.36	31.1 - 22.6	29.2 - 21.2	28.4 - 20.6	32.3 - 23.5	30.3 - 22.1	29.5 - 21.4
4- 1.45	50.6 - 36.9	47.5 - 34.5	46.2 - 33.6	52.5 - 38.3	49.3 - 36.0	48.0 - 34.9
5- 1.00	73.5 - 53.5	68.9 - 50.1	67.0 - 48.7	76.2 - 55.5	71.5 - 52.1	69.5 - 50.6

ENGINE - - - - - Ford 391A
 TRANSMISSION - - - - - Allison MT40
 ENGINE GOVERNED SPEED - - - - - 3600

Trans. Ratios	Tires--9:00x20				Tires--10:00x20			
	Rear Axle Ratios				Rear Axle Ratios			
	17,000; 18,500	18,500	17,000 18,500	18,500	17,000; 18,500	18,500	17,000 18,500	18,500
	5.83	6.17	6.8	7.2	5.83	6.17	6.8	7.2
	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH
1- 5.29	13.4	12.7	11.5	10.9	13.9	13.1	11.9	11.2
2- 3.81	18.6	17.6	15.9	15.1	19.3	18.2	16.6	15.6
3- 2.69	26.4	24.9	22.6	21.4	27.4	25.8	23.5	22.1
4- 1.94	36.6	34.5	31.3	29.6	37.9	35.8	32.5	30.7
5- 1.39	51.1	48.2	43.7	41.4	53.0	50.0	45.4	42.9
6- 1.00	71.0	67.0	60.8	57.5	73.6	69.5	63.1	59.5

Blue Bird



SPEED CHART - MILES PER HOUR

ENGINE - - - - - GMC 401
 TRANSMISSION - - - - - Clark 285V
 ENGINE GOVERNED SPEED - - - - - 3700 RPM

Trans. Ratios	Tires--9:00x20				Tires--10:00x20			
	Rear Axle Ratios				Rear Axle Ratios			
	17,000; 18,500	18,500	17,000 18,500	18,500	17,000; 18,500	18,500	17,000 18,500	18,500
	5.83	6.17	6.8	7.2	5.83	6.17	6.8	7.2
	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH
1- 6.99	10.4	9.8	8.9	8.4	10.8	10.2	9.3	9.0
2- 4.09	17.8	16.8	15.3	14.4	18.5	17.4	15.8	15.0
3- 2.24	32.5	30.7	27.9	26.3	33.7	31.9	28.9	27.4
4- 1.47	49.6	47.1	42.5	40.1	51.5	48.6	44.0	41.7
5- 1.00	72.9	68.8	62.5	59.0	75.6	71.4	64.8	61.3

Trans. Ratios	Tires--9:00x20			Tires--10:00x20		
	Rear Axle Ratios - 2 Speed			Rear Axle Ratios - 2 Speed		
	18,500 5.62/7.73	18,500 6.00/8.24	17,000 6.16/8.48	18,500 5.62/7.73	18,500 6.00/8.24	17,000 6.16/8.48
	MPH	MPH	MPH	MPH	MPH	MPH
1- 6.99	10.8 - 7.9	10.1 - 7.4	9.9 - 7.2	11.2 - 8.2	10.5 - 7.7	10.2 - 7.4
2- 4.09	18.4 - 13.4	17.3 - 12.6	16.8 - 12.3	19.1 - 13.9	18.0 - 13.1	17.5 - 12.7
3- 2.24	33.7 - 24.5	31.6 - 23.0	30.7 - 22.4	35.0 - 25.4	32.8 - 23.9	31.9 - 23.2
4- 1.47	51.4 - 37.4	48.1 - 35.1	46.9 - 34.1	53.3 - 38.8	50.0 - 36.4	48.6 - 35.4
5- 1.00	75.5 - 55.0	70.8 - 51.6	68.9 - 50.1	78.4 - 57.0	73.5 - 53.5	71.5 - 52.0

ENGINE - - - - - GMC 401A
 TRANSMISSION - - - - - Allison MT40
 ENGINE GOVERNED SPEED - - - - - 3700 RPM

Trans. Ratios	Tires--9:00x20				Tires--10:00x20			
	Rear Axle Ratios				Rear Axle Ratios			
	17,000; 18,500	18,500	17,000 18,500	18,500	17,000; 18,500	18,500	17,000 18,500	18,500
	5.83	6.17	6.8	7.2	5.83	6.17	6.8	7.2
	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH
1- 5.29	13.8	13.0	11.8	11.2	14.3	13.5	12.2	11.6
2- 3.81	19.1	18.0	16.4	15.5	19.8	18.7	17.0	16.1
3- 2.69	27.1	25.6	23.2	21.9	28.1	26.5	24.1	22.8
4- 1.94	37.5	35.4	32.2	30.4	39.0	36.8	33.4	31.6
5- 1.39	52.4	49.5	45.0	42.5	54.4	51.4	46.6	44.1
6- 1.00	72.9	68.8	62.5	59.0	75.6	71.4	64.8	61.3

Blue Bird



SPEED CHART - MILES PER HOUR

ENGINE - - - - - Chevrolet 366
 TRANSMISSION - - - - - Spicer 3152F
 ENGINE GOVERNED SPEED - - - - - 4000 RPM

Trans. Ratios	Tires--9:00x20				Tires--10:00x20			
	Rear Axle Ratios				Rear Axle Ratios			
	17,000; 18,500	18,500	17,000 18,500	18,500	17,000; 18,500	18,500	17,000 18,500	18,500
	5.83	6.17	6.8	7.2	5.83	6.17	6.8	7.2
	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH
1-7.07	11.1	10.5	9.5	9.0	11.5	10.9	9.9	9.4
2-3.90	20.2	19.0	17.3	16.3	20.9	19.8	18.0	17.0
3-2.29	34.3	32.4	29.4	27.9	35.7	33.7	30.6	28.9
4-1.37	57.5	54.2	49.2	46.5	59.6	56.4	51.1	48.4
5-1.00	78.7	74.3	67.4	63.8	81.7	77.2	70.1	66.2

Trans. Ratios	Tires--9:00x20			Tires--10:00x20		
	Rear Axle Ratios - 2 Speed			Rear Axle Ratios - 2 Speed		
	18,500	18,500	17,000	18,500	18,500	17,000
	5.62/7.73	6.00/8.24	6.16/8.48	5.62/7.73	6.00/8.24	6.16/8.48
	MPH	MPH	MPH	MPH	MPH	MPH
1-6.00	13.6 - 9.9	13.6 - 9.5	12.4 - 9.0	14.2 - 10.3	13.2 - 9.7	12.9 - 9.4
2-3.31	24.7 - 17.9	23.1 - 17.1	22.5 - 16.4	25.6 - 18.6	24.0 - 17.5	23.4 - 17.0
3-1.94	42.1 - 30.6	39.4 - 29.3	38.4 - 27.9	43.7 - 31.8	40.9 - 29.8	39.9 - 29.0
4-1.16	70.4 - 51.2	66.0 - 48.9	64.2 - 46.8	73.2 - 53.2	68.5 - 50.0	66.7 - 48.5
5-1.00	81.7 - 59.4	76.5 - 55.8	74.5 - 54.2	84.8 - 61.7	79.4 - 57.9	77.4 - 56.2

ENGINE - - - - - Chevrolet 366A
 TRANSMISSION - - - - - Allison MF40
 ENGINE GOVERNED SPEED - - - - - 4000 RPM

Trans. Ratios	Tires--9:00x20				Tires--10:00x20			
	Rear Axle Ratios				Rear Axle Ratios			
	17,000; 18,500	18,500	17,000 18,500	18,500	17,000; 18,500	18,500	17,000 18,500	18,500
	5.83	6.17	6.8	7.2	5.83	6.17	6.8	7.2
	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH
1-5.29	14.9	14.0	12.7	12.0	15.4	14.6	13.2	12.5
2-3.81	20.6	19.5	17.7	16.7	21.4	20.3	18.4	17.4
3-2.69	29.3	27.6	25.1	23.7	30.4	28.7	26.1	24.6
4-1.94	40.6	38.3	34.8	32.9	42.1	39.8	36.1	33.8
5-1.39	56.6	53.5	48.5	45.9	58.8	55.5	50.5	47.6
6-1.00	78.7	74.3	67.4	63.8	81.7	77.2	70.1	66.2

Blue Bird

SPEED CHART - MILES PER HOUR

ENGINE - - - - - Chevrolet 427
 TRANSMISSION - - - - - Spicer 5652B
 ENGINE GOVERNED SPEED - - - - - 4000 RPM

Trans. Ratios	Tires--9:00x20				Tires--10:00x20			
	Rear Axle Ratios				Rear Axle Ratios			
	17,000; 18,500	18,500	17,000 18,500	18,500	17,000; 18,500	18,500	17,000 18,500	18,500
	5.83	6.17	6.8	7.2	5.83	6.17	6.8	7.2
	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH
1- 7.08	11.1	10.5	9.5	9.0	11.5	10.9	9.9	9.4
2- 4.37	18.0	17.0	15.4	14.6	18.7	17.7	16.1	15.1
3- 2.50	31.5	29.7	27.0	25.5	32.7	30.9	28.1	26.5
4- 1.45	54.3	51.3	46.5	44.0	56.4	53.2	48.4	45.7
5- 1.00	78.7	74.3	67.4	63.8	81.7	77.2	70.1	66.2

Trans. Ratios	Tires--9:00x20			Tires--10:00x20		
	Rear Axle Ratios			Rear Axle Ratios		
	18,500 5.62/7.73	18,500 6.00/8.24	17,000 6.16/8.48	18,500 5.62/7.73	18,500 6.00/8.24	17,000 6.16/8.48
	MPH	MPH	MPH	MPH	MPH	MPH
1- 7.08	11.5 - 8.4	10.7 - 7.9	10.5 - 7.7	12.0 - 8.7	11.2 - 8.2	10.9 - 8.0
2- 4.37	18.7 - 13.6	17.5 - 12.8	17.0 - 12.4	19.4 - 14.1	18.2 - 13.2	17.7 - 12.9
3- 2.50	32.7 - 23.7	30.6 - 22.3	29.8 - 21.7	33.9 - 24.7	31.8 - 23.2	31.0 - 22.5
4- 1.45	56.4 - 41.0	52.8 - 38.5	51.4 - 37.4	58.5 - 42.6	54.7 - 40.0	53.4 - 38.8
5- 1.00	81.7 - 59.4	76.5 - 55.8	74.5 - 54.2	84.8 - 61.7	79.4 - 57.9	77.4 - 56.2

Blue Bird



SPEED CHART - MILES PER HOUR

ENGINE - - - - - Chevrolet 366
 TRANSMISSION - - - - - Spicer 3152F
 ENGINE GOVERNED SPEED - - - - - 4000 RPM

Trans. Ratios	Tires--9:00x20				Tires--10:00x20			
	Rear Axle Ratios				Rear Axle Ratios			
	17,000; 18,500	18,500	17,000 18,500	18,500	17,000; 18,500	18,500	17,000 18,500	18,500
	5.83	6.17	6.8	7.2	5.83	6.17	6.8	7.2
	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH
1-7.07	11.1	10.5	9.5	9.0	11.5	10.9	9.9	9.4
2-3.90	20.2	19.0	17.3	16.3	20.9	19.8	18.0	17.0
3-2.29	34.3	32.4	29.4	27.9	35.7	33.7	30.6	28.9
4-1.37	57.5	54.2	49.2	46.5	59.6	56.4	51.1	48.4
5-1.00	78.7	74.3	67.4	63.8	81.7	77.2	70.1	66.2

Trans. Ratios	Tires--9:00x20			Tires--10:00x20		
	Rear Axle Ratios - 2 Speed			Rear Axle Ratios - 2 Speed		
	18,500 5.62/7.73	18,500 6.00/8.24	17,000 6.16/8.48	18,500 5.62/7.73	18,500 6.00/8.24	17,000 6.16/8.48
	MPH	MPH	MPH	MPH	MPH	MPH
1-6.00	13.6 - 9.9	13.6 - 9.5	12.4 - 9.0	14.2 - 10.3	13.2 - 9.7	12.9 - 9.4
2-3.31	24.7 - 17.9	23.1 - 17.1	22.5 - 16.4	25.6 - 18.6	24.0 - 17.5	23.4 - 17.0
3-1.94	42.1 - 30.6	39.4 - 29.3	38.4 - 27.9	43.7 - 31.8	40.9 - 29.8	39.9 - 29.0
4-1.16	70.4 - 51.2	66.0 - 48.9	64.2 - 46.8	73.2 - 53.2	68.5 - 50.0	66.7 - 48.5
5-1.00	81.7 - 59.4	76.5 - 55.8	74.5 - 54.2	84.8 - 61.7	79.4 - 57.9	77.4 - 56.2

ENGINE - - - - - Chevrolet 366A
 TRANSMISSION - - - - - Allison MT40
 ENGINE GOVERNED SPEED - - - - - 4000 RPM

Trans. Ratios	Tires--9:00x20				Tires--10:00x20			
	Rear Axle Ratios				Rear Axle Ratios			
	17,000; 18,500	18,500	17,000 18,500	18,500	17,000; 18,500	18,500	17,000 18,500	18,500
	5.83	6.17	6.8	7.2	5.83	6.17	6.8	7.2
	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH
1-5.29	14.9	14.0	12.7	12.0	15.4	14.6	13.2	12.5
2-3.81	20.6	19.5	17.7	16.7	21.4	20.3	18.4	17.4
3-2.69	29.3	27.6	25.1	23.7	30.4	28.7	26.1	24.6
4-1.94	40.6	38.3	34.8	32.9	42.1	39.8	36.1	33.8
5-1.39	56.6	53.5	48.5	45.9	58.8	55.5	50.5	47.6
6-1.00	78.7	74.3	67.4	63.8	81.7	77.2	70.1	66.2

Blue Bird

SPEED CHART - MILES PER HOUR

ENGINE - - - - - Chevrolet 427
 TRANSMISSION - - - - - Spicer 5652B
 ENGINE GOVERNED SPEED - - - - - 4000 RPM

Trans. Ratios	Tires--9:00x20				Tires--10:00x20			
	Rear Axle Ratios				Rear Axle Ratios			
	17,000; 18,500	18,500	17,000 18,500	18,500	17,000; 18,500	18,500	17,000 18,500	18,500
	5.83	6.17	6.8	7.2	5.83	6.17	6.8	7.2
	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH
1- 7.08	11.1	10.5	9.5	9.0	11.5	10.9	9.9	9.4
2- 4.37	18.0	17.0	15.4	14.6	18.7	17.7	16.1	15.1
3- 2.50	31.5	29.7	27.0	25.5	32.7	30.9	28.1	26.5
4- 1.45	54.3	51.3	46.5	44.0	56.4	53.2	48.4	45.7
5- 1.00	78.7	74.3	67.4	63.8	81.7	77.2	70.1	66.2

Trans. Ratios	Tires--9:00x20			Tires--10:00x20		
	Rear Axle Ratios			Rear Axle Ratios		
	18,500	18,500	17,000	18,500	18,500	17,000
	5.62/7.73	6.00/8.24	6.16/8.48	5.62/7.73	6.00/8.24	6.16/8.48
	MPH	MPH	MPH	MPH	MPH	MPH
1- 7.08	11.5 - 8.4	10.7 - 7.9	10.5 - 7.7	12.0 - 8.7	11.2 - 8.2	10.9 - 8.0
2- 4.37	18.7 - 13.6	17.5 - 12.8	17.0 - 12.4	19.4 - 14.1	18.2 - 13.2	17.7 - 12.9
3- 2.50	32.7 - 23.7	30.6 - 22.3	29.8 - 21.7	33.9 - 24.7	31.8 - 23.2	31.0 - 22.5
4- 1.45	56.4 - 41.0	52.8 - 38.5	51.4 - 37.4	58.5 - 42.6	54.7 - 40.0	53.4 - 38.8
5- 1.00	81.7 - 59.4	76.5 - 55.8	74.5 - 54.2	84.8 - 61.7	79.4 - 57.9	77.4 - 56.2

Blue Bird



SPEED CHART - MILES PER HOUR

ENGINE - - - - - Ford 391
 TRANSMISSION - - - - - Spicer 5652
 ENGINE GOVERNED SPEED - - - - - 3600

Trans. Ratios	Tires--9:00x20				Tires--10:00x20			
	Rear Axle Ratios				Rear Axle Ratios			
	17,000; 18,500	18,500	17,000 18,500	18,500	17,000; 18,500	18,500	17,000 18,500	18,500
	5.83	6.17	6.8	7.2	5.83	6.17	6.8	7.2
	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH
1- 7.08	10.0	9.5	8.6	8.1	10.4	9.8	8.9	8.4
2- 3.83	18.5	17.5	15.9	15.0	19.2	18.1	16.5	15.5
3- 2.36	30.1	28.4	25.8	24.4	31.2	29.5	26.7	25.2
4- 1.45	49.0	46.2	41.9	39.6	50.8	48.0	43.5	41.0
5- 1.00	71.0	67.0	60.8	57.5	73.6	69.5	63.1	59.5

Trans. Ratios	Tires--9:00x20			Tires--10:00x20		
	Rear Axle Ratios-2 Speed			Rear Axle Ratios - 2 Speed		
	18,500	18,500	17,000	18,500	18,500	17,000
	5.62/7.73	6.00/8.24	6.16/8.48	5.62/7.73	6.00/8.24	6.16/8.48
	MPH	MPH	MPH	MPH	MPH	MPH
1- 7.08	10.4 - 7.6	9.7 - 7.1	9.5 - 6.9	10.8 - 7.8	10.1 - 7.4	9.8 - 7.2
2- 3.83	19.2 - 14.0	18.0 - 13.1	17.5 - 12.7	19.9 - 14.5	18.7 - 13.6	18.1 - 13.2
3- 2.36	31.1 - 22.6	29.2 - 21.2	28.4 - 20.6	32.3 - 23.5	30.3 - 22.1	29.5 - 21.4
4- 1.45	50.6 - 36.9	47.5 - 34.5	46.2 - 33.6	52.5 - 38.3	49.3 - 36.0	48.0 - 34.9
5- 1.00	73.5 - 53.5	68.9 - 50.1	67.0 - 48.7	76.2 - 55.5	71.5 - 52.1	69.5 - 50.6

ENGINE - - - - - Ford 391A
 TRANSMISSION - - - - - Allison MT40
 ENGINE GOVERNED SPEED - - - - - 3600

Trans. Ratios	Tires--9:00x20				Tires--10:00x20			
	Rear Axle Ratios				Rear Axle Ratios			
	17,000; 18,500	18,500	17,000 18,500	18,500	17,000; 18,500	18,500	17,000 18,500	18,500
	5.83	6.17	6.8	7.2	5.83	6.17	6.8	7.2
	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH
1- 5.29	13.4	12.7	11.5	10.9	13.9	13.1	11.9	11.2
2- 3.81	18.6	17.6	15.9	15.1	19.3	18.2	16.6	15.6
3- 2.69	26.4	24.9	22.6	21.4	27.4	25.8	23.5	22.1
4- 1.94	36.6	34.5	31.3	29.6	37.9	35.8	32.5	30.7
5- 1.39	51.1	48.2	43.7	41.4	53.0	50.0	45.4	42.9
6- 1.00	71.0	67.0	60.8	57.5	73.6	69.5	63.1	59.5

Blue Bird



SPEED CHART - MILES PER HOUR

ENGINE - - - - - GMC 401
 TRANSMISSION - - - - - Clark 285V
 ENGINE GOVERNED SPEED - - - - - 3700 RPM

Trans. Ratios	Tires--9:00x20				Tires--10:00x20			
	Rear Axle Ratios				Rear Axle Ratios			
	17,000; 18,500	18,500	17,000 18,500	18,500	17,000; 18,500	18,500	17,000 18,500	18,500
	5.83	6.17	6.8	7.2	5.83	6.17	6.8	7.2
	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH
1- 6.99	10.4	9.8	8.9	8.4	10.8	10.2	9.3	9.0
2- 4.09	17.8	16.8	15.3	14.4	18.5	17.4	15.8	15.0
3- 2.24	32.5	30.7	27.9	26.3	33.7	31.9	28.9	27.4
4- 1.47	49.6	47.1	42.5	40.1	51.5	48.6	44.0	41.7
5- 1.00	72.9	68.8	62.5	59.0	75.6	71.4	64.8	61.3

Trans. Ratios	Tires--9:00x20			Tires--10:00x20		
	Rear Axle Ratios - 2 Speed			Rear Axle Ratios - 2 Speed		
	18,500	18,500	17,000	18,500	18,500	17,000
	5.62/7.73	6.00/8.24	6.16/8.48	5.62/7.73	6.00/8.24	6.16/8.48
	MPH	MPH	MPH	MPH	MPH	MPH
1- 6.99	10.8 - 7.9	10.1 - 7.4	9.9 - 7.2	11.2 - 8.2	10.5 - 7.7	10.2 - 7.4
2- 4.09	18.4 - 13.4	17.3 - 12.6	16.8 - 12.3	19.1 - 13.9	18.0 - 13.1	17.5 - 12.7
3- 2.24	33.7 - 24.5	31.6 - 23.0	30.7 - 22.4	35.0 - 25.4	32.8 - 23.9	31.9 - 23.2
4- 1.47	51.4 - 37.4	48.1 - 35.1	46.9 - 34.1	53.3 - 38.8	50.0 - 36.4	48.6 - 35.4
5- 1.00	75.5 - 55.0	70.8 - 51.6	68.9 - 50.1	78.4 - 57.0	73.5 - 53.5	71.5 - 52.0

ENGINE - - - - - GMC 401A
 TRANSMISSION - - - - - Allison MT40
 ENGINE GOVERNED SPEED - - - - - 3700 RPM

Trans. Ratios	Tires--9:00x20				Tires--10:00x20			
	Rear Axle Ratios				Rear Axle Ratios			
	17,000; 18,500	18,500	17,000 18,500	18,500	17,000; 18,500	18,500	17,000 18,500	18,500
	5.83	6.17	6.8	7.2	5.83	6.17	6.8	7.2
	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH
1- 5.29	13.8	13.0	11.8	11.2	14.3	13.5	12.2	11.6
2- 3.81	19.1	18.0	16.4	15.5	19.8	18.7	17.0	16.1
3- 2.69	27.1	25.6	23.2	21.9	28.1	26.5	24.1	22.8
4- 1.94	37.5	35.4	32.2	30.4	39.0	36.8	33.4	31.6
5- 1.39	52.4	49.5	45.0	42.5	54.4	51.4	46.6	44.1
6- 1.00	72.9	68.8	62.5	59.0	75.6	71.4	64.8	61.3

Blue Bird



SPEED CHART - MILES PER HOUR

ENGINE - - - - - Ford 391
 TRANSMISSION - - - - - Spicer 5652
 ENGINE GOVERNED SPEED - - - - - 3600

Trans. Ratios	Tires--9:00x20				Tires--10:00x20			
	Rear Axle Ratios				Rear Axle Ratios			
	17,000; 18,500	18,500	17,000 18,500	18,500	17,000; 18,500	18,500	17,000 18,500	18,500
	5.83	6.17	6.8	7.2	5.83	6.17	6.8	7.2
	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH
1- 7.08	10.0	9.5	8.6	8.1	10.4	9.8	8.9	8.4
2- 3.83	18.5	17.5	15.9	15.0	19.2	18.1	16.5	15.5
3- 2.36	30.1	28.4	25.8	24.4	31.2	29.5	26.7	25.2
4- 1.45	49.0	46.2	41.9	39.6	50.8	48.0	43.5	41.0
5- 1.00	71.0	67.0	60.8	57.5	73.6	69.5	63.1	59.5

Trans. Ratios	Tires--9:00x20			Tires--10:00x20		
	Rear Axle Ratios-2 Speed			Rear Axle Ratios - 2 Speed		
	18,500	18,500	17,000	18,500	18,500	17,000
	5.62/7.73	6.00/8.24	6.16/8.48	5.62/7.73	6.00/8.24	6.16/8.48
	MPH	MPH	MPH	MPH	MPH	MPH
1- 7.08	10.4 - 7.6	9.7 - 7.1	9.5 - 6.9	10.8 - 7.8	10.1 - 7.4	9.8 - 7.2
2- 3.83	19.2 - 14.0	18.0 - 13.1	17.5 - 12.7	19.9 - 14.5	18.7 - 13.6	18.1 - 13.2
3- 2.36	31.1 - 22.6	29.2 - 21.2	28.4 - 20.6	32.3 - 23.5	30.3 - 22.1	29.5 - 21.4
4- 1.45	50.6 - 36.9	47.5 - 34.5	46.2 - 33.6	52.5 - 38.3	49.3 - 36.0	48.0 - 34.9
5- 1.00	73.5 - 53.5	68.9 - 50.1	67.0 - 48.7	76.2 - 55.5	71.5 - 52.1	69.5 - 50.6

ENGINE - - - - - Ford 391A
 TRANSMISSION - - - - - Allison MT40
 ENGINE GOVERNED SPEED - - - - - 3600

Trans. Ratios	Tires--9:00x20				Tires--10:00x20			
	Rear Axle Ratios				Rear Axle Ratios			
	17,000; 18,500	18,500	17,000 18,500	18,500	17,000; 18,500	18,500	17,000 18,500	18,500
	5.83	6.17	6.8	7.2	5.83	6.17	6.8	7.2
	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH
1- 5.29	13.4	12.7	11.5	10.9	13.9	13.1	11.9	11.2
2- 3.81	18.6	17.6	15.9	15.1	19.3	18.2	16.6	15.6
3- 2.69	26.4	24.9	22.6	21.4	27.4	25.8	23.5	22.1
4- 1.94	36.6	34.5	31.3	29.6	37.9	35.8	32.5	30.7
5- 1.39	51.1	48.2	43.7	41.4	53.0	50.0	45.4	42.9
6- 1.00	71.0	67.0	60.8	57.5	73.6	69.5	63.1	59.5

Blue Bird



SPEED CHART - MILES PER HOUR

ENGINE - - - - - GMC 401
 TRANSMISSION - - - - - Clark 285V
 ENGINE GOVERNED SPEED - - - - - 3700 RPM

Trans. Ratios	Tires--9:00x20				Tires--10:00x20			
	Rear Axle Ratios				Rear Axle Ratios			
	17,000; 18,500	18,500	17,000 18,500	18,500	17,000; 18,500	18,500	17,000 18,500	18,500
	5.83	6.17	6.8	7.2	5.83	6.17	6.8	7.2
	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH
1- 6.99	10.4	9.8	8.9	8.4	10.8	10.2	9.3	9.0
2- 4.09	17.8	16.8	15.3	14.4	18.5	17.4	15.8	15.0
3- 2.24	32.5	30.7	27.9	26.3	33.7	31.9	28.9	27.4
4- 1.47	49.6	47.1	42.5	40.1	51.5	48.6	44.0	41.7
5- 1.00	72.9	68.8	62.5	59.0	75.6	71.4	64.8	61.3

Trans. Ratios	Tires--9:00x20			Tires--10:00x20		
	Rear Axle Ratios - 2 Speed			Rear Axle Ratios - 2 Speed		
	18,500 5.62/7.73	18,500 6.00/8.24	17,000 6.16/8.48	18,500 5.62/7.73	18,500 6.00/8.24	17,000 6.16/8.48
	MPH	MPH	MPH	MPH	MPH	MPH
1- 6.99	10.8 - 7.9	10.1 - 7.4	9.9 - 7.2	11.2 - 8.2	10.5 - 7.7	10.2 - 7.4
2- 4.09	18.4 - 13.4	17.3 - 12.6	16.8 - 12.3	19.1 - 13.9	18.0 - 13.1	17.5 - 12.7
3- 2.24	33.7 - 24.5	31.6 - 23.0	30.7 - 22.4	35.0 - 25.4	32.8 - 23.9	31.9 - 23.2
4- 1.47	51.4 - 37.4	48.1 - 35.1	46.9 - 34.1	53.3 - 38.8	50.0 - 36.4	48.6 - 35.4
5- 1.00	75.5 - 55.0	70.8 - 51.6	68.9 - 50.1	78.4 - 57.0	73.5 - 53.5	71.5 - 52.0

ENGINE - - - - - GMC 401A
 TRANSMISSION - - - - - Allison MT40
 ENGINE GOVERNED SPEED - - - - - 3700 RPM

Trans. Ratios	Tires--9:00x20				Tires--10:00x20			
	Rear Axle Ratios				Rear Axle Ratios			
	17,000; 18,500	18,500	17,000 18,500	18,500	17,000; 18,500	18,500	17,000 18,500	18,500
	5.83	6.17	6.8	7.2	5.83	6.17	6.8	7.2
	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH
1- 5.29	13.8	13.0	11.8	11.2	14.3	13.5	12.2	11.6
2- 3.81	19.1	18.0	16.4	15.5	19.8	18.7	17.0	16.1
3- 2.69	27.1	25.6	23.2	21.9	28.1	26.5	24.1	22.8
4- 1.94	37.5	35.4	32.2	30.4	39.0	36.8	33.4	31.6
5- 1.39	52.4	49.5	45.0	42.5	54.4	51.4	46.6	44.1
6- 1.00	72.9	68.8	62.5	59.0	75.6	71.4	64.8	61.3

Warranty

BLUE BIRD ALL AMERICAN CHASSIS

Blue Bird Body Company warrants all parts of their chassis, except tires, for a period of twelve (12) months from date of original delivery to purchaser of each new chassis or before such chassis has been driven 12,000 miles, whichever event shall first occur, as shall, under normal use and service, appear to it to have been defective in workmanship or material. This warranty shall be limited to shipment, to the purchaser without charge, except for transportation, of the part or parts intended to replace those acknowledged by Blue Bird Body Company to be defective.

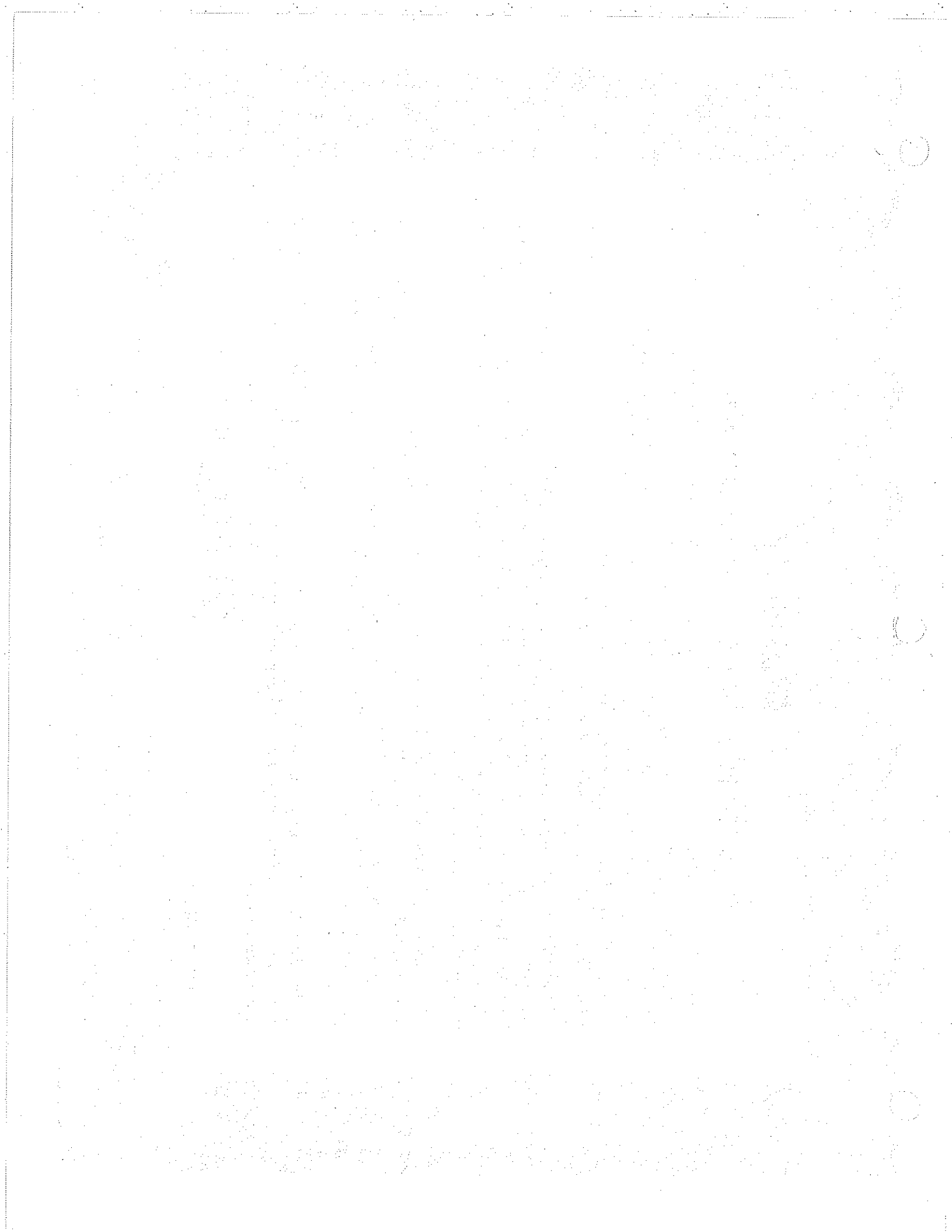
Blue Bird Body Company cannot and does not accept any responsibilities in connection with any of its chassis when they have been altered outside the factory or without the written approval of the Blue Bird Body Company Engineering Department. It is agreed that Blue Bird Body Company makes no warranty whatsoever regarding pneumatic tires. Overloading chassis beyond the normal seated and standee capacity voids all warranties.

This warranty is expressly in lieu of all other warranties expressed or implied and all other obligations or liabilities on the part of Blue Bird Body Company. No person, including salesmen, dealer, distributor or factory representative of Blue Bird Body Company is authorized to make any representation or warranty concerning Blue Bird Body Company products except to refer purchasers to this warranty.

Blue Bird Body Company reserves the right to make changes in design and changes or improvements upon its products without imposing any obligations upon itself to install the same upon products theretofore manufactured.

BLUE BIRD BODY COMPANY
Fort Valley, Georgia

FORM NO. FC-58160



Warranty

BLUE BIRD ALL AMERICAN CHASSIS

Blue Bird Body Company warrants all parts of their chassis, except tires, for a period of twelve (12) months from date of original delivery to purchaser of each new chassis or before such chassis has been driven 12,000 miles, whichever event shall first occur, as shall, under normal use and service, appear to it to have been defective in workmanship or material. This warranty shall be limited to shipment to the purchaser without charge, except for transportation; of the part or parts intended to replace those acknowledged by Blue Bird Body Company to be defective.

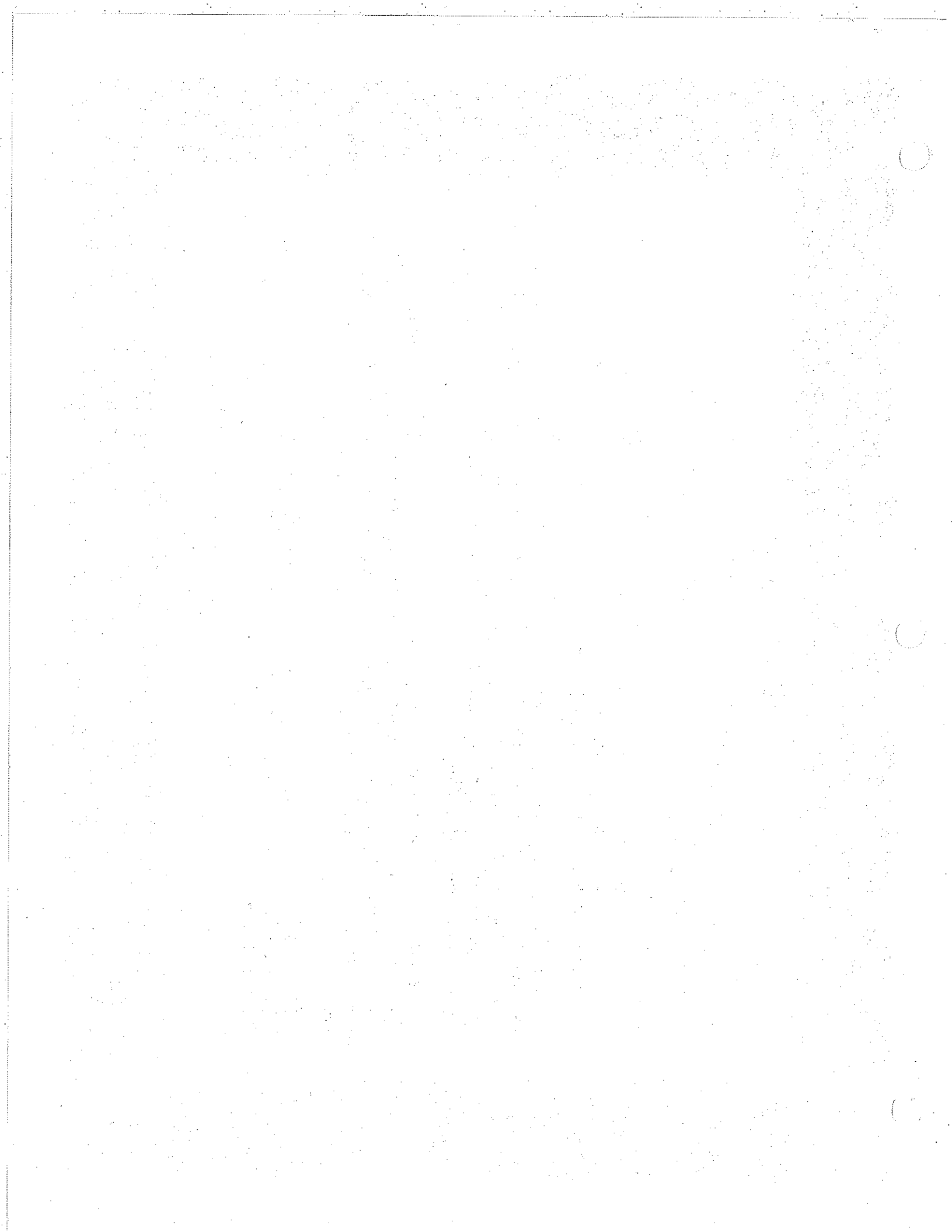
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FORM NO. 50-58160

BLUE BIRD BODY COMPANY
Fort Valley, Georgia





1969 STANDARD EQUIPMENT SPECIFICATIONS

WANDERLODGE BODY

BODY STRUCTURE

All parts die formed for strength, accuracy, and high quality.
Construction steel riveted
Main body frame one piece continuous bow
Floor Gusset - 16 gauge x 15", extended full length of body at floor line
Roof panels - 20 gauge, double lapped and double row riveted to bow to form box construction
Four Double Ribbed Rub Rails - applied to body and spaced for maximum passenger protection
All rub rails sealed along top edge. Drainage provided along lower edge
Side Panels - 20 gauge, double lapped and riveted to bow

DOOR, ENTRANCE:

Right side center with key lock and safety latch

FLOOR:

Floor Panels - 14 gauge, die formed
Floor panels joined with steel backing plate, steel plate, steel angle, and 5/16 diameter cold rivets to provide over 1/2" thickness of steel at each joint
Rivets formed under 50 tons pressure to provide gas proof, dust proof, and water tight joints
Auxiliary U-shaped channels welded to floor on 9" centers

FLOOR COVERING:

5/8" marine plywood subfloor and commercial carpet. The underneath side of the bed is covered with smooth 1/8" rubber. The bathroom covered with floor tile. Carpet is installed in closets.
Driver's Area - vinyl mat rib cut and installed with the ribs up. The entrance step has ribbed tread rubber on the step and smooth rubber on the riser.

VENTILATION:

Driver's Vent - mounted on left front below windshield, manual control for fresh air
Companion Vent - mounted on right front below windshield, manual control for fresh air

BLUE BIRD wanderlodge

1969 STANDARD EQUIPMENT SPECIFICATIONS WANDERLODGE BODY (Continued)

INSULATION: Insulmat applied on the unexposed sides of the interior and exterior panels.
Fiberglas insulation with vapor barrier on both sides applied in walls and ceiling. The floor section is insulated with sprayed on urethane.

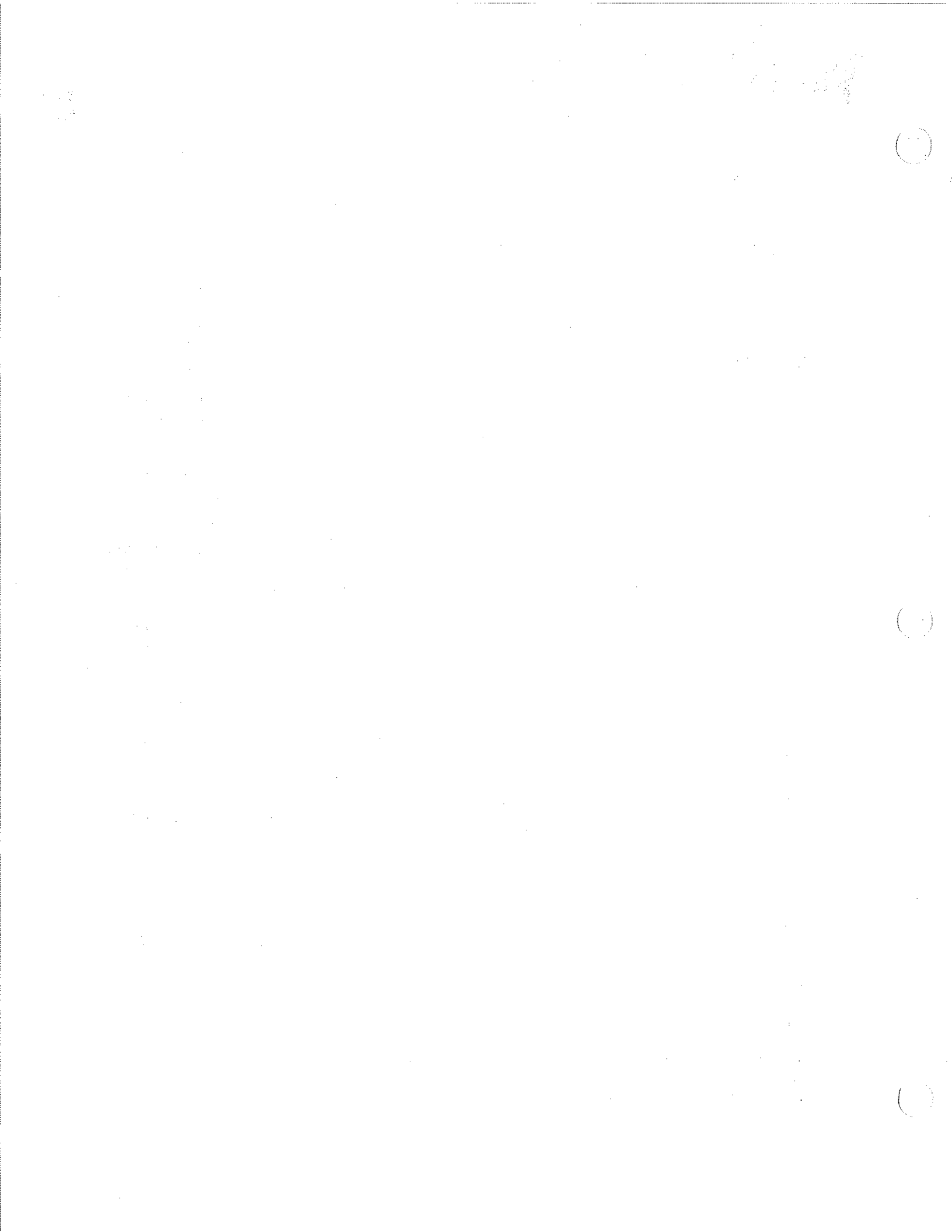
LIGHTING: Stepwell - 12 volt fixture wired to entry light switch
Clearance - two amber front and two red rear installed one center amber each side near center.
Stop & Tail - two stop and tail lights, one left side and one right side
Headlights - dual sealed beam
Parking Lights - amber front, left and right
Entry Lights - one over the driver's seat and one over the companion's seat controlled from the driver's area.
Interior Lighting - 12 volt fluorescent except shower, all have micro-type wall switches
Cluster Lights - three amber front and three red rear
Directional Lights - amber front and red rear with amber side marker near front side
Stop - 7" chrome deluxe on rear
Instrument Lights - instrument lights in the driver's header installed on a separate switch
Hazard Signal Switch - flashes all directional signals simultaneously

WINDOWS: Side - awning and picture type
Driver's - double sliding aluminum sash with spring loaded lock
Rear Quarter - flat tempered safety glass
Show Window - frosted awning type
Glass - all window glass is safety glass

REFLECTORS: Two chrome amber mounted on sides at front
Two chrome amber mounted on sides at midpoint of body
Two chrome red mounted on sides at rear
Two chrome red mounted on rear of body

MIRRORS: Outside - right and left rear view

MUD FLAPS: Rubber mud flaps rear of wheels





1969 STANDARD EQUIPMENT SPECIFICATIONS
WANDERLODGE BODY (Continued)

MUD GUARDS: Front wheels - metal guards at rear and left front
Rear wheels - metal guards at front

RUBBER BOOTS: Install on clutch, emergency brake, gearshift,
service brake, and accelerator

SAFETY BELTS: For driver's seat and companion's seat

STEPWELL: Safety tread 17 3/4" step with rubber covered steel
steps and smooth rubber covered riser located in
fourth body section.

SUN VISOR: Adjustable, one for driver and one for companion

SWITCH PANEL: Hinged above driver's window

TOOLS: Lug wrench, lug wrench handle and 5 ton hydraulic jack

DIMENSIONS: Body Headroom 75"
Body Width - Exterior 96"
Body Width - Interior 89"
Skirt Length 19 3/4"
Body O.S. Height - Max. 126" Approximate
Body Floor Height 38" Approximate

PAINT: Color - Lower Body Section: Oasis Green
Upper Body Section: Cameo White
Hot-spray paint method used to obtain greater thickness
and maximum gloss.
Bodies painted in air filtered booth
Paint is baked on for hard finish.

RUST PROOFING: Body parts are made from rust proof zinc coated steel
panels treated by eight-stage cleaning and zinc
phosphate coating system.
Panels are primed before assembling.
Body, including sides, roof, floor, and wheelhouses
are undercoated for maximum protection against
rust.

BUMPERS: Lower body color front and rear
Chassis frame mounted, die formed, ribbed one piece,
12" width on front; 12" width on rear with corner braces

WINDSHIELD: Curved tinted glass slanted to eliminate glare
Two piece safety plate glass mounted in waterproof
glazing rubber
Dual electric two-speed bottom mounted wipers

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BLUE BIRD
wanderlodge[®]
FORT VALLEY, GEORGIA



1969 STANDARD EQUIPMENT SPECIFICATIONS
WANDERLODGE BODY (Continued)

WIRING: Color coded
 Housed in insulating harness
 Easily accessible in wire molding with convenient
 inspection plates

GAS TANK OPENING: With gas tank door

LICENSE PANEL: Two embossed license plate panels right and left
 rear

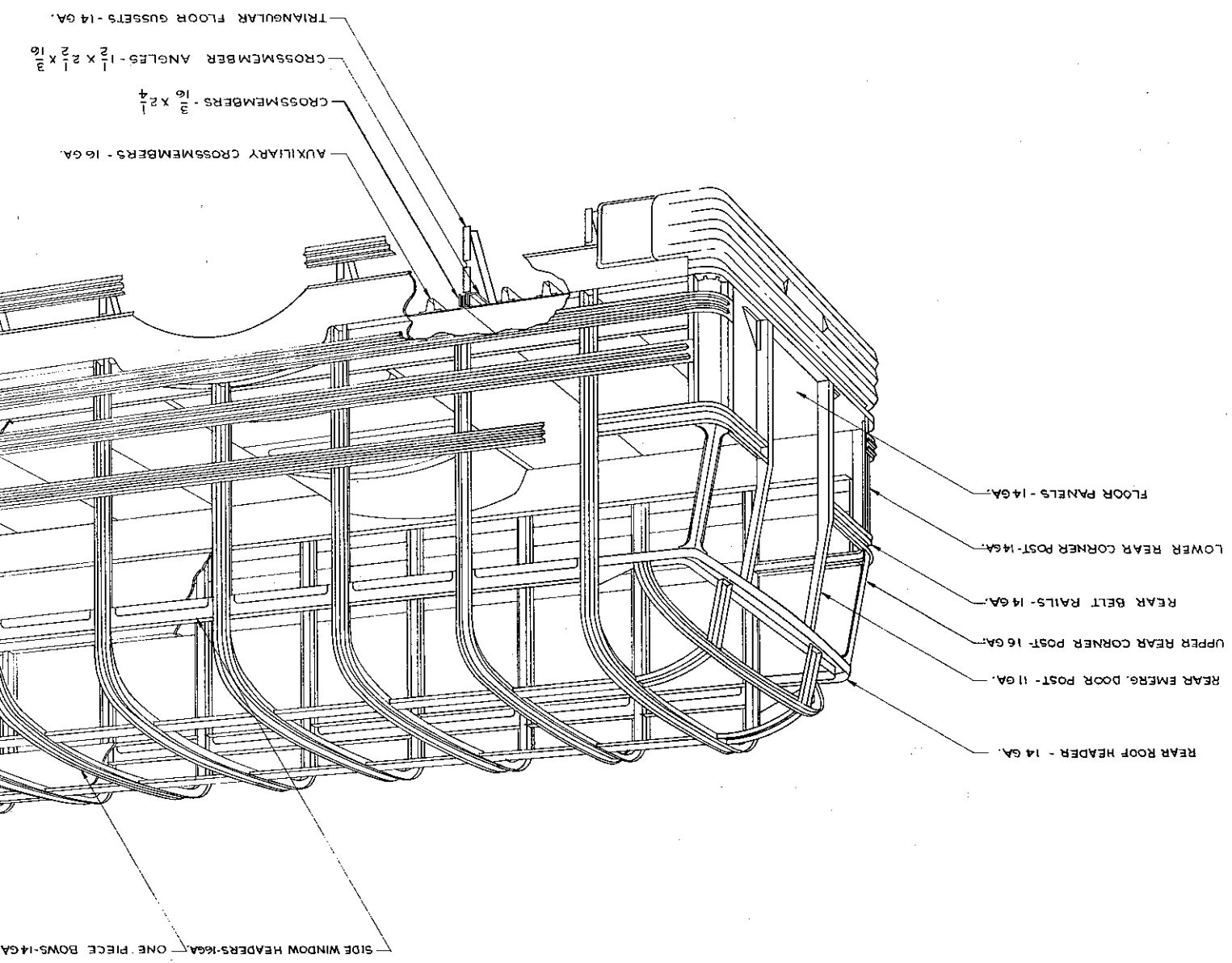
BATTERY SERVICE DOOR: Service door left front side, front section for
 chassis battery

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1969 BODY CONSTRUCTION

Blue Bird



1969 STANDARD EQUIPMENT SPECIFICATIONS

WANDERLODGE BODY

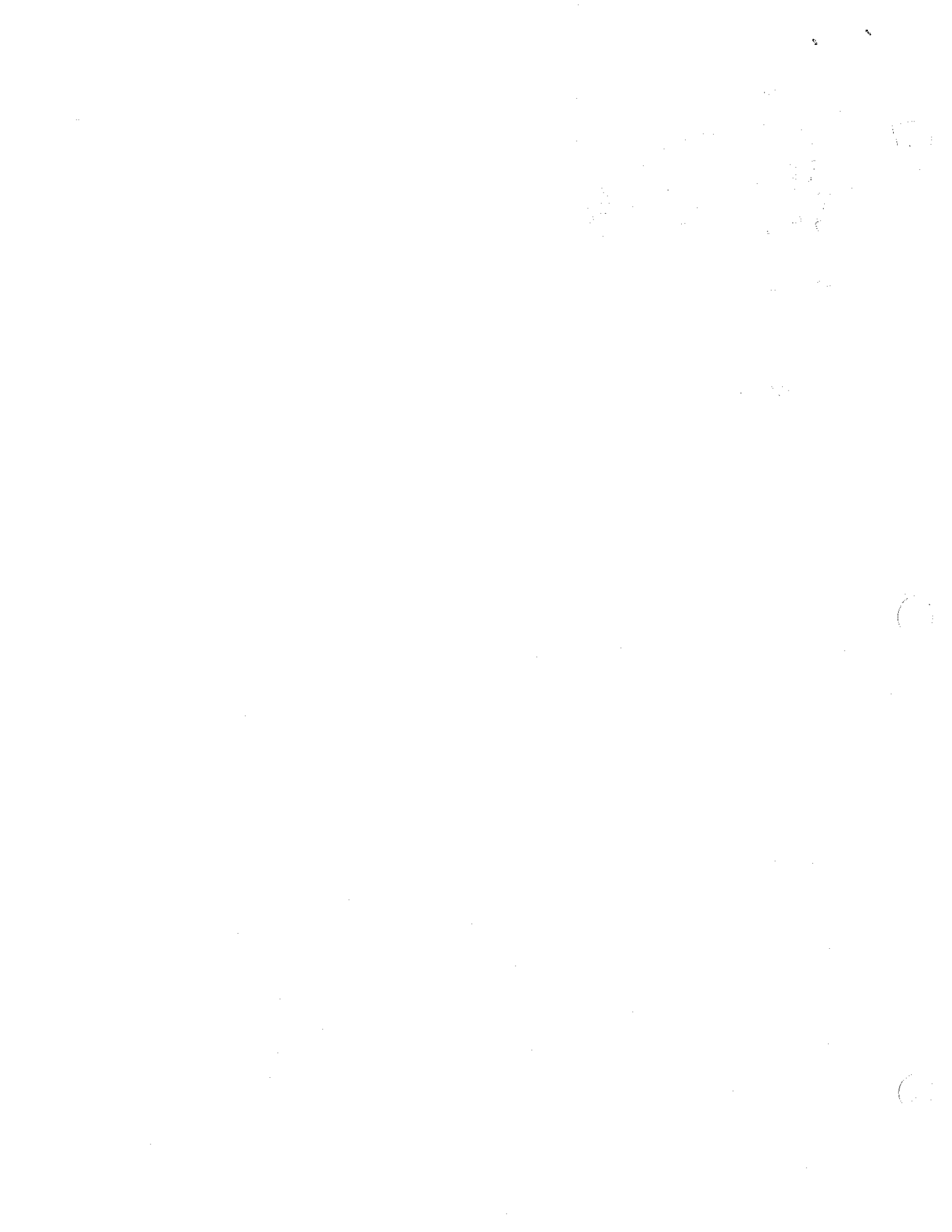
BODY STRUCTURE All parts die formed for strength, accuracy, and high quality.
Construction steel riveted
Main body frame one piece continuous bow
Floor Gusset - 16 gauge x 15", extended full length of body at floor line
Roof panels - 20 gauge, double lapped and double row riveted to bow to form box construction
Four Double Ribbed Rub Rails - applied to body and spaced for maximum passenger protection
All rub rails sealed along top edge. Drainage provided along lower edge
Side Panels - 20 gauge, double lapped and riveted to bow

DOOR, ENTRANCE: Right side center with key lock and safety latch

FLOOR: Floor Panels - 14 gauge, die formed
Floor panels joined with steel backing plate, steel plate, steel angle, and 5/16 diameter cold rivets to provide over 1/2" thickness of steel at each joint
Rivets formed under 50 tons pressure to provide gas proof, dust proof, and water tight joints
Auxiliary U-shaped channels welded to floor on 9" centers

FLOOR COVERING: 5/8" marine plywood subfloor and commercial carpet. The underneath side of the bed is covered with smooth 1/8" rubber. The bathroom covered with floor tile. Carpet is installed in closets.
Driver's Area - vinyl mat rib cut and installed with the ribs up. The entrance step has ribbed tread rubber on the step and smooth rubber on the riser.

VENTILATION: Driver's Vent - mounted on left front below windshield, manual control for fresh air
Companion Vent - mounted on right front below windshield, manual control for fresh air



BLUE BIRD wanderlodge

1969 STANDARD EQUIPMENT SPECIFICATIONS WANDERLODGE BODY (Continued)

INSULATION: Insulmat applied on the unexposed sides of the interior and exterior panels.
Fiberglas insulation with vapor barrier on both sides applied in walls and ceiling. The floor section is insulated with sprayed on urethane.

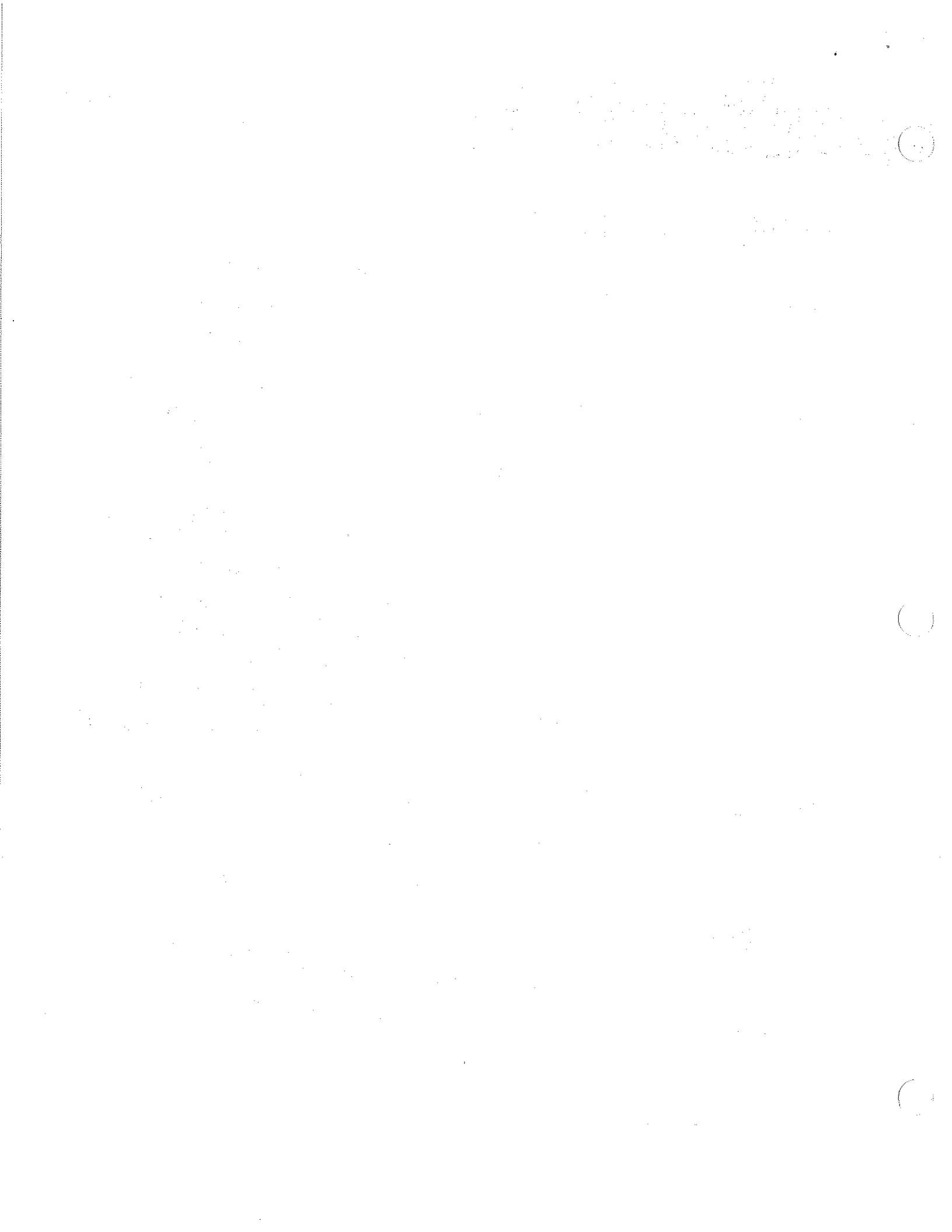
LIGHTING: Stepwell - 12 volt fixture wired to entry light switch
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one center amber
each side near center.
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Parking Lights - amber front, left and right
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Two chrome red mounted on sides at rear
Two chrome red mounted on rear of body

MIRRORS: Outside - right and left rear view

MUD FLAPS: Rubber mud flaps rear of wheels





1969 STANDARD EQUIPMENT SPECIFICATIONS
WANDERLODGE BODY (Continued)

MUD GUARDS: Front wheels - metal guards at rear and left front
Rear wheels - metal guards at front

RUBBER BOOTS: Install on clutch, emergency brake, gearshift,
service brake, and accelerator

SAFETY BELTS: For driver's seat and companion's seat

STEPWELL: Safety tread 17 3/4" step with rubber covered steel
steps and smooth rubber covered riser located in
fourth body section.

SUN VISOR: Adjustable, one for driver and one for companion

SWITCH PANEL: Hinged above driver's window

TOOLS: Lug wrench, lug wrench handle and 5 ton hydraulic jack

DIMENSIONS:

Body Headroom	75"
Body Width - Exterior	96"
Body Width - Interior	89"
Skirt Length	19 3/4"
Body O.S. Height - Max.	126" Approximate
Body Floor Height	38" Approximate

PAINT: Color - Lower Body Section: Oasis Green
Upper Body Section: Cameo White
Hot-spray paint method used to obtain greater thickness
and maximum gloss.
Bodies painted in air filtered booth
Paint is baked on for hard finish.

RUST PROOFING: Body parts are made from rust proof zinc coated steel
panels treated by eight-stage cleaning and zinc
phosphate coating system.
Panels are primed before assembling.
Body, including sides, roof, floor, and wheelhouses
are undercoated for maximum protection against
rust.

BUMPERS: Lower body color front and rear
Chassis frame mounted, die formed, ribbed one piece,
12" width on front; 12" width on rear with corner braces

WINDSHIELD: Curved tinted glass slanted to eliminate glare
Two piece safety plate glass mounted in waterproof
glazing rubber
Dual electric two-speed bottom mounted wipers

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BLUE BIRD
wanderlodge[®]
FORT VALLEY, GEORGIA



1969 STANDARD EQUIPMENT SPECIFICATIONS
WANDERLODGE BODY (Continued)

WIRING: Color coded
Housed in insulating harness
Easily accessible in wire molding with convenient
inspection plates

GAS TANK OPENING: With gas tank door

LICENSE PANEL: Two embossed license plate panels right and left
rear

BATTERY SERVICE DOOR: Service door left front side, front section for
chassis battery

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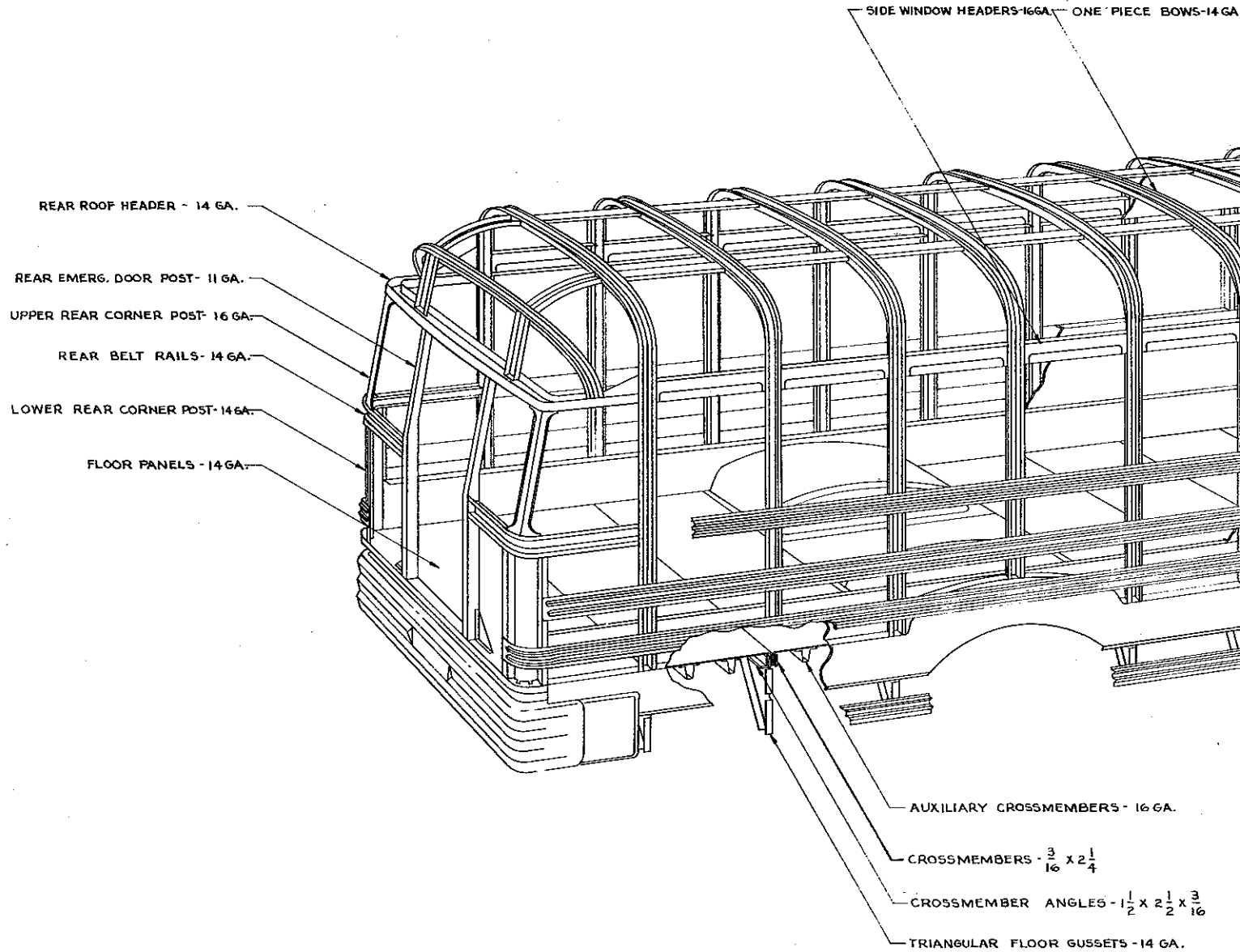
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Blue Bird

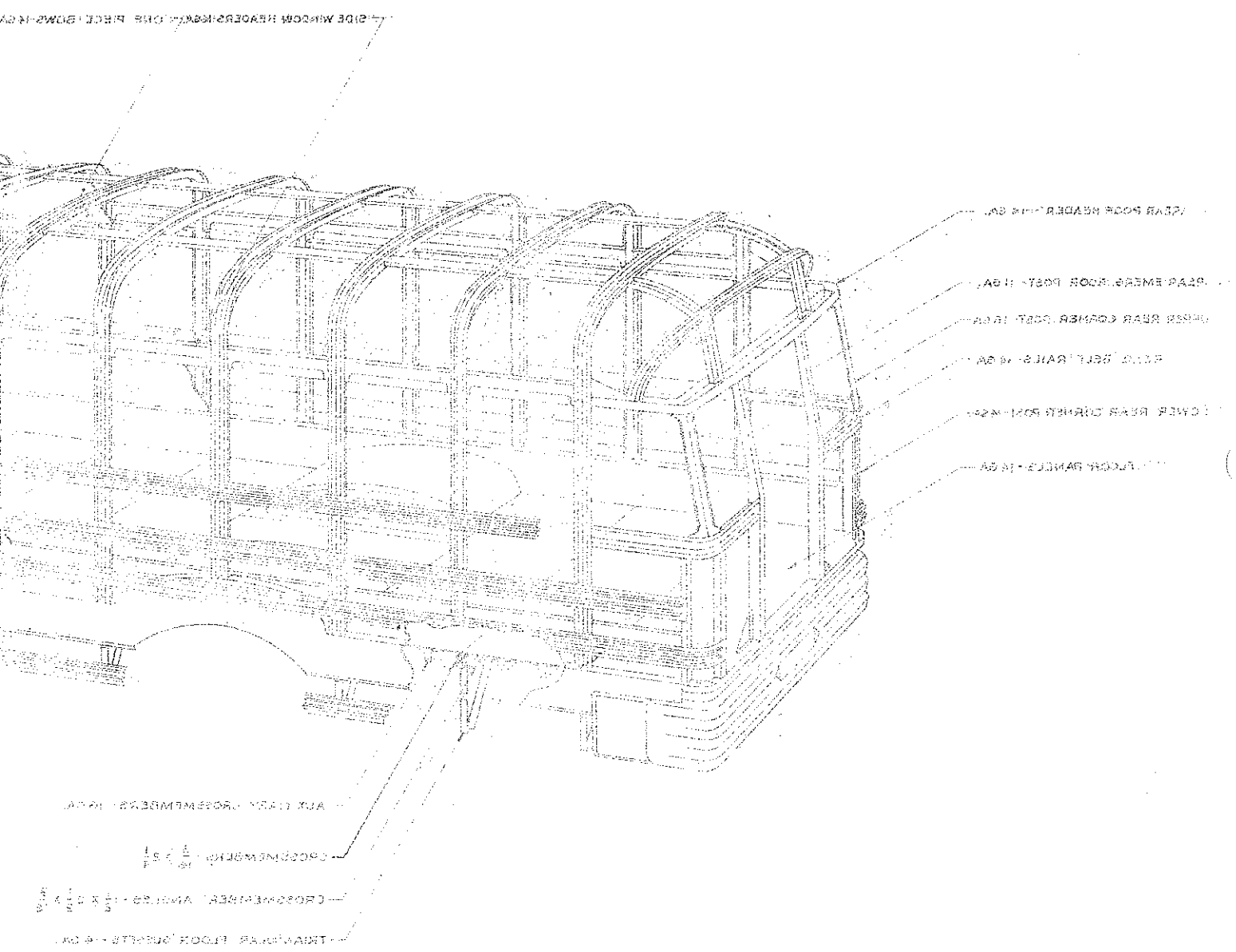
1969 BODY CONSTRUCTION



FORM NO. SB-69102
10-22-68

Welding

1988 BODY COMPONENTS



FORM NO. 88-60103 10-28-88

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1959 STANDARD EQUIPMENT SPECIFICATIONS 130 19
WANDERLODGE INTERIOR 10

DECOR

Draperies - Royal Blue/Green #S-61518
Carpet - Royal Marine #1065
Bath Tile - ~~Blue #80005~~ VINYL CORCORAN # 86051
Sofa - Blue #4320/84
Dinette - Moss Green #CT-39
Driver's Seat - Moss Green #CT-39
Paneling - Premium Pecan
Formica - Provincial Cherry #328
Bath Formica - Candlelite #262.

BATH AREA

Separate shower and toilet
Shower - formica walls and stainless steel shower pan with a deluxe shower curtain and white bath mat
Shower head - flexible type with central cut-off valve
Toilet - marine type stool ~~and~~ stainless steel lavatory - with mechanical stopper
Mirror - safety plate glass on two walls of the toilet area
Fixtures - all chrome brass including towel ring, tumbler holder, soap holder, tissue holder and robe hooks

BEDROOM AREA

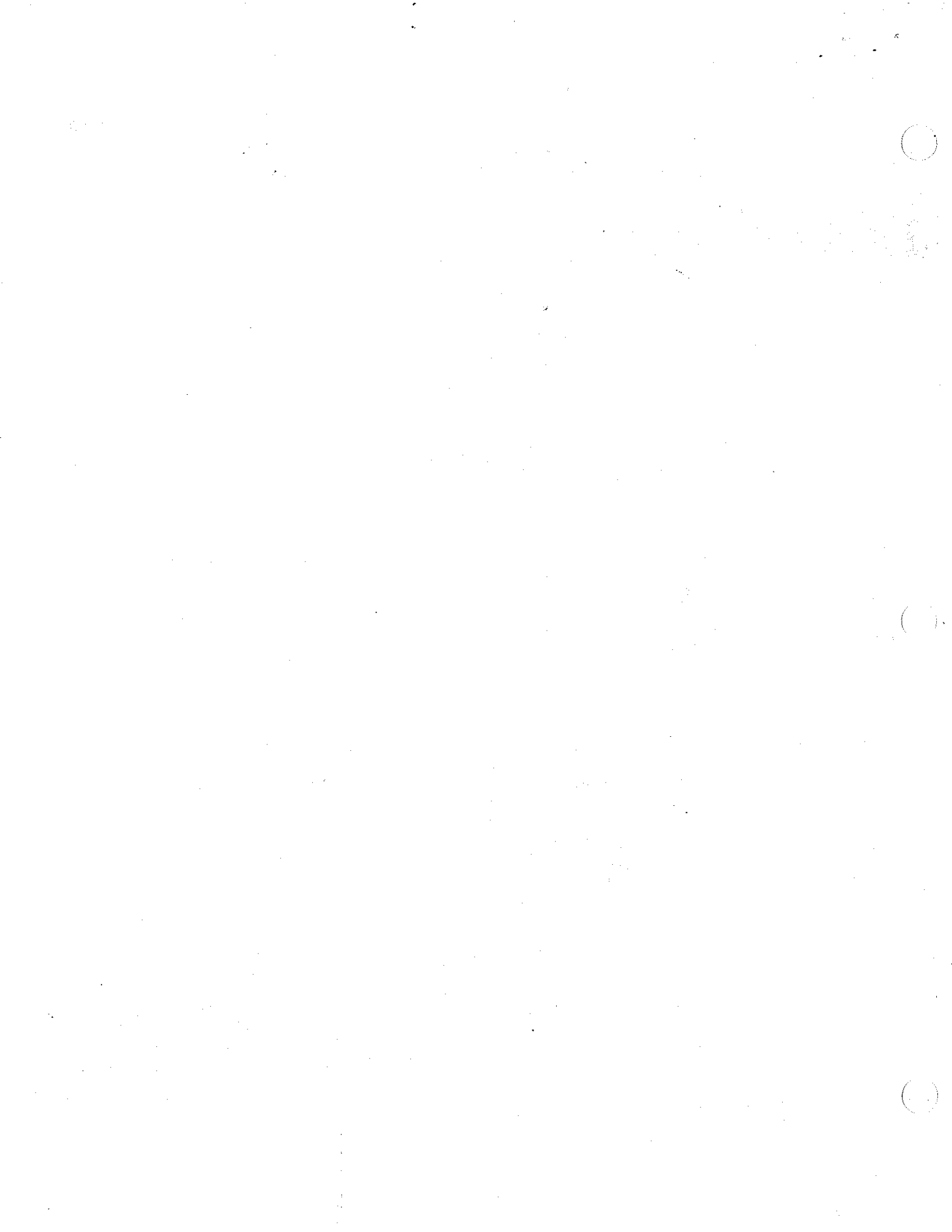
Twin Beds - 30" x 76" with mattresses of 6" Firestone foam rubber
Center Vanity - premium wood ~~with formica top,~~ ^{ONE} two drawers with safety catches, ^{AND CUSHION TOP}
Storage Area - under beds with hinged access under mattresses
Overhead Cabinets - around rear and sides, white vinyl underside and white vinyl liner inside

CLOSETS

One at the rear forward of the master bedroom with hat shelf and closet bar
One forward of the entrance door with hat shelf and closet bar
INDIVIDUAL NIGHTS IN EACH CLOSET

DINING AREA

Overhead Cabinets - full length of dinette with white vinyl underside and white vinyl liner inside
Cushions - ~~Firestone~~ foam rubber cushions vinyl covered
Storage Area - under rear seat accessible under the cushion



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1969 STANDARD EQUIPMENT SPECIFICATIONS
WANDERLODGE INTERIOR (Continued)

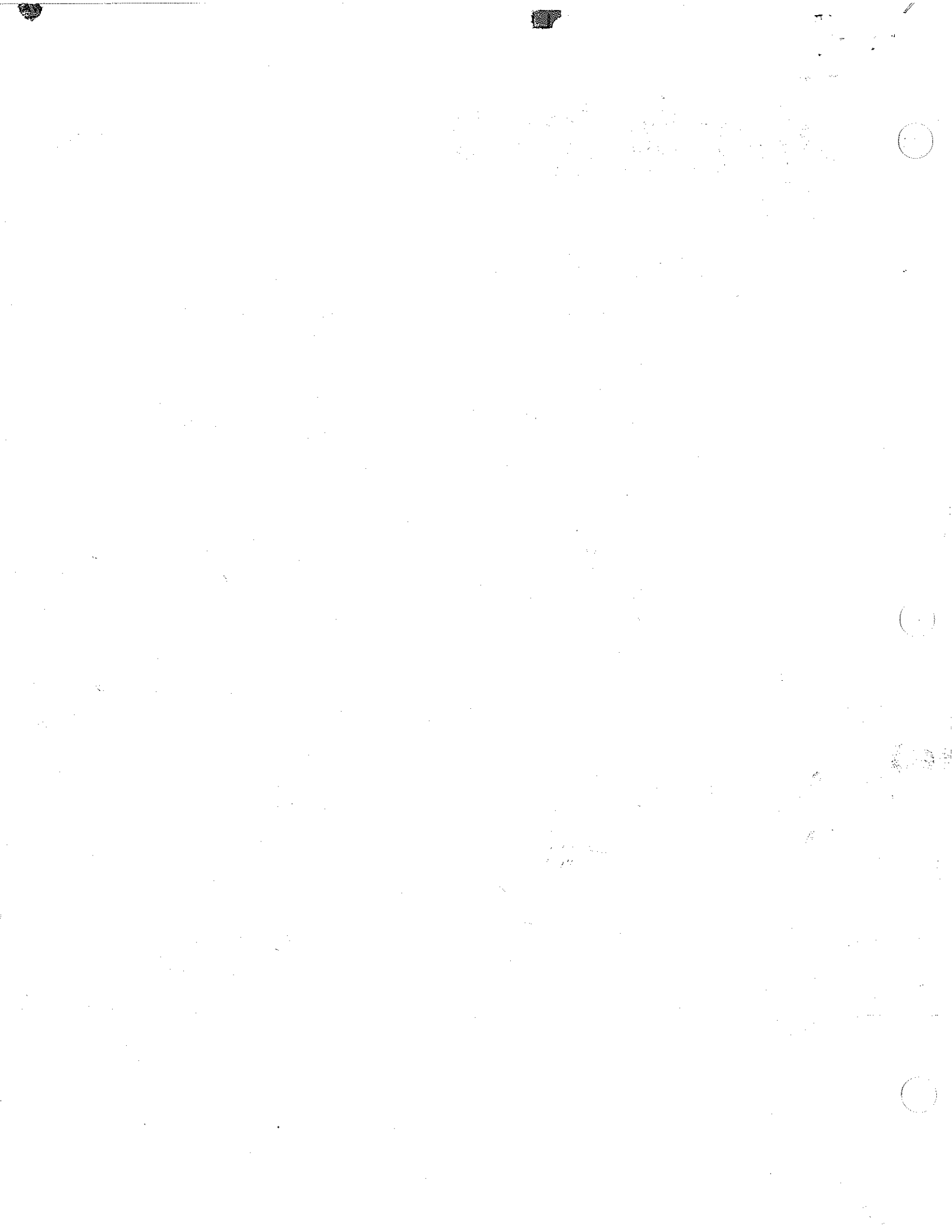
DINING AREA, cont'd. Convertible - the sturdy formica table top, lowers to form a support for the seat backs. This make a bed 38" x 72"

DRIVER'S AREA
Seats - include deluxe bucket type, six way adjustable, vinyl covered for both driver and companion
Utility table - formica covered, includes two ash trays and two bottle holders
Arm Rest - for both driver and companion, are foam rubber padded and vinyl covered
Dash - vinyl clad steel

KITCHEN AREA
Overhead Cabinets - full length of kitchen with white vinyl underside and white vinyl liner inside
Refrigerator - deluxe ~~5.5 cubic feet~~, 110V LP gas operated, WITH SEPARATE FREEZER
Double Sink - stainless steel with deluxe hot and cold mixing faucet
Range - Coppertone with four burner and anti-rattle grate clips with eye-level oven
Under Counter Storage - ~~four large storage compartments~~ AND DRAWERS under the counter
Finish - Provincial Cherry formica walls above contoured formica counter top

LIVING ROOM AREA
Sofa - Full length on the left and half size on the right. These are ~~Prestone~~ foam rubber covered with upholstery grade fabric
Storage - under sofa and sofa bench, accessible under cushions
Chest of Drawers - three drawer type with Provincial Cherry formica top

ELECTRIC SYSTEM
Lighting - 12 volt fluorescent except shower & CLOSETS
Power - commercial or generator power rectified for lighting and 12 volt appliances. 110 volt or 220 volt sources can be utilized
Charging - Chassis battery is automatically charged from 110 volt source
Shoreline - one 220 volt by 25' and one 110 volt x 25' power cord
GENERATOR - ONAN 6 KW, GENERATING 110V POWER



BLUE BIRD wanderlodge®

FORT VALLEY, GEORGIA

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1969 STANDARD EQUIPMENT SPECIFICATIONS WANDERLODGE INTERIOR (Continued)

HEAT SYSTEM

Stationary - vehicle is heated by forced air sealed-combustion furnace. ~~Heat~~ Heat outlets forward and rear. Heater thermostatically controlled

AIR CONDITIONING

In Motion - engine hot water heater, 85,000 BTU at front
ROOF MOUNTED, TWO 10,000 BTU UNITS

LPG SYSTEM

Capacity - two 33 lb. bottles with safety valves. Bottles may be filled without removing from vehicle
Regulator - automatic change over and empty bottle indicator

PLUMBING

SEPTIC SYSTEM

Stainless Steel ~~Septic~~ Holding Tank - 70-52.5 gallon capacity

Septic Valve - quick opening and equipped with a safety ~~cap.~~
DRAIN

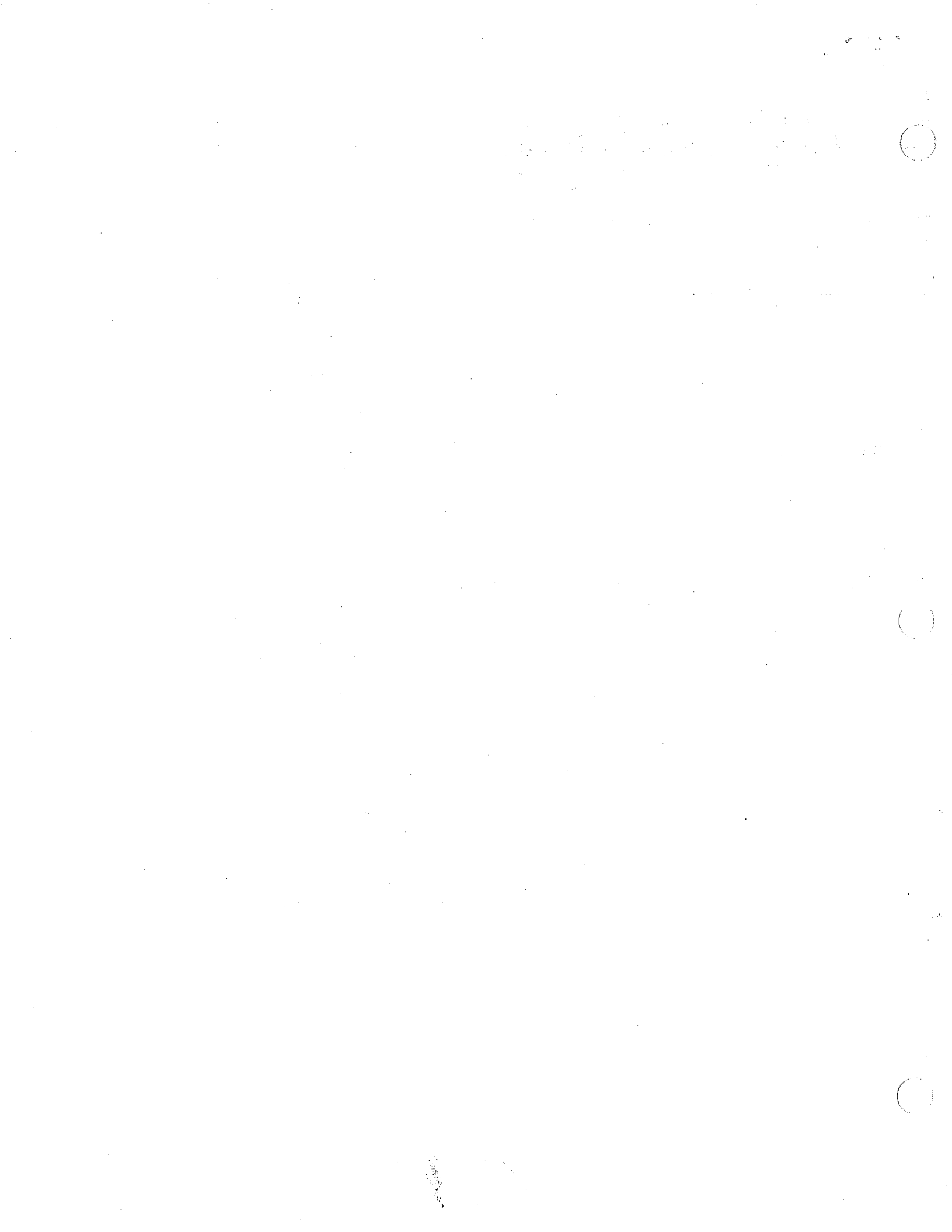
Septic Hose - 10' with adapter for fitting into septic valve, STORED IN STORAGE TUBE ADJACENT TO HOLDING TANK

WATER SYSTEM

12 volt diaphragm automatic water pump with pump guard. Water tank is 58.5-60 gallon stainless steel which can be filled by hand or while connected to commercial water. Commercial water system bypasses water tank to pressurize service lines. All water system is inside and copper tubing system wrapped with automatic 110 volt electric heat tape to prevent freezing

GENERAL

Floor - 5/8" marine ^{GRADE} plywood subfloor
Aisle - carpeted with commercial carpet
Bath - tiled with Armstrong ~~Combri~~ UNYL CORION
Paneling - premium grade urethane finished plywood
Ceiling - 1/2" sheet ^{TYPE} acoustical tile
Formica - kitchen counter top, dinette table top, bath walls, engine hood table, vanity & chest of drawers top
Drawer Hardware - safety positive type with ball bearing slides except night stand
Draperies - Drapery fabrics lined with milium and installed on traverse tracks



BLUE BIRD wanderlodge

WANDERLODGE DIVISION

BLUE BIRD BODY COMPANY
FORT VALLEY, GEORGIA

I. CHASSIS SYSTEM

A. TRAVELING:

Before starting on long trips, you should follow the maintenance procedures listed in your Maintenance Manual and Parts Catalogue concerning oil, water lubrications, air pressure, etc. Secure all the objects in the Wanderlodge which might fall during transit. Follow the "Check Out" list provided with these instructions.

B. DRIVING:

Driving a Wanderlodge is a matter of becoming familiar with a different type vehicle and learning new driving habits. Wanderlodges are approximately 11 inches wider than the largest automobile. An easy way to judge position is to look out the rear view mirror and keep the left hand side of the Wanderlodge a foot or two from the white center line.

Most of you are familiar with nylon tire "thump" caused by the "balling" of nylon cord when it cools. In the Wanderlodge we have a king sized "Thump". This will "smooth out" in 5 or 6 miles of driving.

Driving the Wanderlodge is much the same as flying an aircraft. Plan ahead for turns and stops. Apply the brakes firmly but gradually. Do not apply them in a constant off and on cycle such as your automobile. This could endanger the passengers comfort in the vehicle, cause loose objects to be displaced, and excessive heat of the brake fluid and lining.

The engine is equipped with a 180° thermostat.

C. EMERGENCY BRAKE:

The emergency brake (Hand Brake) is located on the left hand side of the driver's seat. The brake is "ON" when the lever is upright and the brake is "OFF" when the lever is in the forward position. A red light to the right of the instruments will indicate the brake is on after the ignition is turned on. Adjustment can be made on the emergency brake by turning the end knob clockwise (Right Hand) to tighten the brake, and counterclockwise (Left Hand) to loosen the brake with the brake in "OFF" position.

D. SERVICE BRAKES:

The service brake master cylinders are accessible through an inspection plate in the floor at the base of the driver's seat.

E. PARKING:

To park your Wanderlodge safely, always be sure the emergency brake is in the "ON" position. Park the Wanderlodge level. Use the four-way level mounted on the dash. The small bubble should be inside the lined circle. For extended periods of remaining in one location, you should start the engine periodically to maintain the battery charge. Drain the water tank and cut off the 12-volt water pump if you will be connected to commercial water for an extended period.

F. MICO BRAKE:

To actuate the optional Mico Brake Loc, put lever to "ON" position and depress foot brake with engine running. ~~A buzzer will sound if the foot brake has not been set or the hydraulic pressure is not adequate.~~ To release, use the same sequence, put lever to release position with engine running.

G. AUTOMATIC TRANSMISSION:

The automatic transmission contains six forward gear ratios, one reverse gear ratio, and a torque converter which functions automatically as required. The transmission also contains a hydraulic retarder which can be used to slow down the Wanderlodge and to control speed when descending hills. Any one of four forward driving ranges or reverse can be selected by moving the selector lever. The accelerator pedal has a "kick down" position, or "detent". When the accelerator pedal is above the kick down position, the transmission will automatically select the ratio which gives the best performance in the driving range selected. Below the kick down, the transmission will select a ratio and remain in it until the pedal is released.

Selector Lever Positions: "N" (Neutral) Position - the selector lever must be in the "N" position to start the engine. The "N" position should be used during engine warm-up or prolonged idling. "3-Hi" position - this range provides 3rd, 4th, 5th and 6th gear ratios and should be used for all normal driving. For maximum acceleration, hold the accelerator in the full throttle position (before kick down) and the transmission will shift automatically at the maximum engine speed. "3-5" Position - this range provides 3rd, 4th and 5th gear ratios for use in moderate traffic conditions and for efficient retarder action when descending grades at speeds up to 40 mph. CAUTION: Do not downshift into "3-5" range at speeds above 40 mph. or when using the hydraulic retarder. "3-4" Position - this range restricts the transmission to 3rd and 4th gears. It should be used for better control in heavy traffic and for descending long grades at speeds up to 30 mph.

To use commercial power, first turn all appliance switches to the "OFF" position. Connect the proper shore line to the Wanderlodge receptacle located in the rear adjacent to the street-side tail light.

Plug the power source selector cable into the outlet marked "Commercial". If 110/220 volt power is available, you may connect directly to this source with the larger (8-3) shore line. If 110 volts is the only source available, use the smaller (12-3) shore line and connect to 110 volt power source.

IMPORTANT: Your Wanderlodge has been wired according to the National Electrical Code. All 110 volt wiring is a two-wire service with ground and all 220 volt is a three-wire service with ground. If you connect to a system which has only a two-wire circuit, ground the third wire on the adapter which you have to use.

IMPORTANT: A 110 volt commercial outlet will not operate all the electrical equipment in your Wanderlodge. You may operate only one air conditioner or the electric hot water heater. If you overload this circuit, you may blow a fuse in the commercial power circuit.

C. THE 12 VOLT SYSTEM:

The 12 volt system is connected to the chassis battery. This 12 volt system is used to operate the water pump, exhaust fans, radio, stereo and all lights.

This system incorporates a completely automatic battery charger and power supply. This unit is powered by 110 volt (either commercial or generator). It will charge your chassis battery automatically as it needs it, supply power directly to various 12 volt appliances, or if not needed will shut itself off.

The 12 volt system has a built in jumper from the positive pole of the chassis battery to the positive pole of the generator battery. This system goes through a solenoid which is activated by a push button located on the steering column support bracket. By pressing this button you are putting the two batteries in parallel and thereby jumping to the chassis battery from the generator battery. This is for starting purposes only.

CAUTION: When using battery power for lights and furnace or other 12-V fixtures, battery condition should be checked periodically.

V. SEPTIC SYSTEM

A. DRAINING THE SEPTIC TANK:

To drain the septic tank, first remove the safety plug from the end of the septic valve by turning the lock ring counterclockwise. Insert the 3" septic tank hose coupling into this valve and tighten the lock ring, then place the discharge end into a septic container. Open the septic tank valve by turning the handle to the left (counterclockwise) and pull the valve stem out. This will discharge the septic tank.

To clean the septic tank, add a cup of detergent into the septic tank after emptying it. The agitating action of the vehicle while traveling will clean the tank.

DRAIN YOUR SEPTIC TANK OFTEN. DO NOT ALLOW THE SEPTIC TANK TO OVERFLOW.

VI. APPLIANCES

A. AIR CONDITIONERS:

1. Electric

These are two roof mounted 110 volt powered air conditioners. There is a "Hi" and "Lo" fan for air circulation, and a "Hi Cool" and "Lo Cool" with desired thermostat setting for cooling.

Since all air conditioner units have their maximum amperage draw on the starting and cooling cycle, these two units should never be started simultaneously. The compressor will not start again immediately after it is shut off. Allow unit to remain off 5 minutes before attempting to restart compressor.

Your air conditioners will remove moisture from the air. That moisture that is not dissipated will discharge on top of the coach. This removal of moisture will, of course, lower the humidity and increase the effectiveness of the air conditioners.

2. Chassis Air Conditioner

The chassis air conditioner system is quite like that which most people are familiar with in an automobile, except that this system has more output. Each of the two air handling units above the windshield has its own three speed 12 volt blower. The controls are located below the dashboard.

This unit too will remove moisture from the air. This is drained through tubes down the corner windshield posts.

B. HOT WATER HEATER:

The 110 volt electric hot water heater in the water system is controlled by a switch located on the unit under the counter top. The hot water heater can be turned "ON" or "OFF" while driving. However, the power generator should not be started with the heater on. CAUTION: Do not turn the hot water heater on unless you have an ample supply of water in the tank.

C. RANGE AND OVEN:

The range and oven on the Blue Bird Wanderlodge is controlled by pilot lights.

Your Wanderlodge is equipped with an LPG forced air heating system. This furnace located under the kitchen counter, has ducts to carry this warm air forward and aft. The warm air is moved with a 12 volt blower. You start the furnace as follows:

1. Set thermostat (front wall) to "OFF" or lowest position.
2. Close hand valve (gas supply, on supply line at right side). If furnace has been operating wait five minutes.
3. Open control door and turn hand valve to on position.
4. Depress reset button and hold.
5. Pump igniter button to light pilot.
6. Continue to hold reset button until pilot stays lighted (30 seconds).
7. If igniter will not light pilot, remove 1 1/2" cap and light pilot with a match with the reset button depressed. Replace 1 1/2" cap.
8. Close control door and set thermostat at desired heat level.

NOTE: This furnace is completely safe. Its gas supply will shut off if the pilot light goes out. It cannot take air from the inside of the coach; it has separate intake and exhaust ducts to the outside.

III. WATER SYSTEM

A. ON-BOARD WATER SYSTEM:

Your Blue Bird Wanderlodge has a 58 gallon steel water storage tank located under the curb-side rear bed. You may use water from this tank or from commercial sources. The on-board water system has a 12-volt water pump and will operate while the vehicle is in motion or stationary.

When using the on-board water, you will hear a slight noise at the rear of the vehicle. This is the water pump and it will automatically stop and start as you open the faucet to use water. Always leave the water pump switch in the "ON" position unless you are connected to commercial water sources or will be away for an extended period. Your water storage tank has a drain valve at the rear of the tank. You have two hose connections on the rear of the coach. The street side one marked "Commercial Water", the curb side marked "Fill Tank", is for filling your water tank. When filling the tank, remove the cap from the overflow outlet on rear of coach. The tank is completely full when the water comes out of this outlet. This outlet may also be used for filling with a bucket or hose, when a hose with fitting is not available.

B. COMMERCIAL WATER SYSTEM:

By connecting a hose to the connection marked "Commercial Water", you will by-pass the on-board water system, using the pressure of the commercial water rather than your 12 volt pump. There is a check valve between this connection and the water tank.

C. DRAINING THE WATER SYSTEM:

To completely drain water system, open all four drain valves (one under right side bed, one in rear of tank, two in bathroom cabinet) and all faucets. Then with blow out plug installed on "Commercial Water" hose connection, put air pressure to system.

CAUTION: Be certain that all valves and faucets are open as you could damage water system with too much air pressure.

IV. ELECTRICAL SYSTEM

Your Blue Bird Wanderlodge has two electrical systems. One is a 12 volt system which utilizes the chassis battery for power and the other is a 110 volt system which may use generated power or commercial power.

A. THE ELECTRIC POWER PLANT:

The electric power plant can be started from the inside or outside of the vehicle. To start the generator, first turn all appliance switches (110 volt air conditioners and electric hot water heaters) to the "OFF" position. One starter switch is located on the instrument panel above driver's window and one is located on the power plant. Push the starter switch to the "ON" position and hold until the power plant starts. This switch should be held in this position for at least 15 seconds even if you do not hear the starting noise. It may be released as soon as you hear the power plant running. To stop the power plant, hold the switch in the "OFF" position until the power plant is completely stopped. Before stopping power plant, shut off all major appliances and allow to run "free" for five minutes.

To use the generator's power, there is a selector cable located in the rear closet beside the main circuit breaker switch panel. Plug this power source selector cable into the outlet marked "Generator". Service the power plant according to the instructions furnished with your unit.

CAUTION: Do not plug in the power source selector cable to the generator outlet unless all the electrical equipment is in the "OFF" position.

B. COMMERCIAL POWER:

For commercial power, your Wanderlodge is equipped with two 25' Shore Lines. For 220 volt power you have a larger #8 - 3 conductor with a round. For 110 volt, you have a smaller #12 - 3 conductor.

CAUTION: Do not downshift into "3-4" range at speeds above 30 mph or when using the hydraulic retarder. "1-2" position - this range restricts the transmission to 1st and 2nd gears. It should be used for very heavy pulling and for ascending and descending extreme grades at speeds up to 15 mph. CAUTION: Do not downshift into "1-2" range at speeds above 15 mph or when using the hydraulic retarder. Do not downshift into 1-2 while in motion on icy roads. "R" (Reverse) Position - this range provides the reverse ratio. CAUTION: Never move the lever to reverse position when Wanderlodge is moving forward.

Hydraulic Retarder: To slow down the Wanderlodge, push the pedal located at the left of the steering column to the floor. When descending long grades, the hydraulic retarder is most effective at engine speeds of 2800 to 3400 RPM maximum. Corresponding road speeds are approximately: "1-2" 15 mph; "3-4" 30 mph; "3-5" 40 mph. CAUTION: When the hydraulic retarder red warning light goes on, release the retarder pedal until the red light goes out.

Towing Wanderlodge: Wanderlodge must be towed with rear wheels off the ground or with drive shaft disconnected at the axle pinion shaft. NOTE: DO NOT ATTEMPT TO PUSH OR TOW START.

Servicing:

1. Check oil level every 1000 miles.
2. Change oil and replace filter every 10,000 miles (or 6 months) under normal stop and go operating conditions or every 25,000 miles of highway service.
 - a. Oil must be checked with selector lever in neutral position, transmission at operating temperatures, engine running at 1000 RPM and the parking brake set.
 - b. CAUTION: Be sure brake is set and/or Wanderlodge is blocked when making this check. Exercise extreme care to prevent dirt from entering filler tube when checking oil level or changing oil.

Use automatic transmission fluid type "C-2".

H. INSTRUMENTS AND SWITCHES:

Your Wanderlodge may be equipped with many switches and devices which make it appear complicated to operate. THIS IS NOT THE CASE. The following is a list of operating switches and instruments for the Wanderlodge. Some of these are standard equipment and some are used only with the optional equipment. They are as simple as the switches on your automobile and will afford you comfort and pleasure while traveling. All the switches are plainly marked on the instrument panel located above the driver's window on left.

Volt Meter: To register voltage output of power plant or voltage output of commercial power supply.

Battery Condition Meter: To check condition of either 12 volt battery use Toggle Switch as marked.

1. Heater Switches (Top Row)
 - a. Rear Heaters (2)
 - b. Front Heater
 - c. Foot Warmer
 - d. Defroster

The rear heater switches are master cut-off switches. A switch for each rear heater is located near the heater. All heaters have two speed switches. The first click makes the fans in the heater run at low speed. Pulling the switch out to the second click makes the fan motors run at high speed. There is a squirrel cage blower in the kitchen wall controlled by the rear heater master switches. It is designed to circulate warm air under the counter area.

2. Fan Switch

These switches control the 6" fans located on the dash. They, too, are two-speed.

3. Power Plant Indicator Light

The power plant indicator light is located near the hour meter. It is only on when the power plant is running.

4. Starter Switch

This is the remote starter for the electric power plant. For further instruction see Section IV, A. Electric Power Plant of these instructions.

5. Entry Lights

The entry light switch controls the two lights in the driver's area and one in the entrance door step.

6. Instruments Lights

To illuminate 12 volt instrument panel above driver's window.

7. Rear Speaker Switch

The rear speaker switch is an on and off control for the rear speaker of the radio in the bedroom.

8. Flasher Switch

This is located bottom of dash board, next to steering column. The flasher switch will make all directional signals flash simultaneously. Its recommended use is when stopping in traveled areas.

9. Transmission Indicator Light

This is a Red pilot light located to the left of the instruments. Should this light flash red, stop immediately. This light comes on only when the transmission is overheating. Check the cause of overheating, the fluid level in the transmission and the water level in the main engine radiator. If these are both satisfactory, allow time for fluid to cool. It could have been caused by extended use of retarder.

10. 12 Volt Battery Jumper Button

The 12 volt system has a built-in jumper from the positive pole of the chassis battery to the positive pole of the generator battery. This system goes through a solenoid which is activated by a push button located on the steering column support bracket. By pressing this button, you are putting the two batteries in parallel and thereby jumping to the chassis battery from the generator battery. This is for starting purposes only.

11. Marker/Identification

This switch turns on marker and cluster lights.

I. ADJUSTING THE SEATS IN THE DRIVER'S AREA:

The seats in the driver's area are designed for six-way adjustment. To raise the seat, loosen the "L" shaped handle behind the center post and pull the seat up to the desired height. To lower the seat, depress the pedal in front of the post and the seat will automatically lower to one of four positions.

When you have reached the desired height, tighten the "L" handle behind the post. To adjust the seat forward or backward, pull out the knob below the seat cushion on the right hand side. Slide the seat forward or backward to the position you desire. When you have reached the desired position, move the seat enough for the locking mechanism to click. This will lock the seat in position. To tilt the back of the seat, pull out the knob on the right hand side just below the seat back. Tilt the back of the seat to a position you desire. Move the seat enough for the locking mechanism to click.

J. DUAL GAS TANK OPERATION:

If you selected the optional dual gas tanks, these can be controlled from the driver's area. There are three controls for dual gas tanks, these are located on the steering column support bracket.

1. Selector valve.
2. Fuel pump control toggle switch.
3. Gas gauge selector toggle switch.

To use gasoline from the rear tank, pull up selector valve "T" Handle and push the toggle switches back.

To use gasoline from the front tank, push down selector valve "T" Handle and push the toggle switches forward. The optional power plant will always use gasoline from the rear tank when dual tanks are ordered.

II. HEAT SYSTEM

A. CHASSIS HEAT SYSTEM:

The Blue Bird Wanderlodge is equipped with an 85,000 BTU heater at the front right hand corner, and can have optional heaters underneath the front dinette seat; front sofa and the curb side bed. These heaters use the chassis engine hot water as a heat source. All heaters are equipped with automatic air removers, but to insure maximum heat, we recommend bleeding the heaters periodically. This is recommended when air pockets have built up in the heater core. The bleeder for the heater system is located in the right front section under the hood.

The front heater is equipped with three large squirrel cage blowers which are controlled from the driver's instrument panel. One blower is used for defrosting, one blower is used for the driver, and one blower for the right side of the unit. All three of these blowers are two-speed.

The rear heaters are controlled from master switches in the driver's instrument panel. Each heater has a separate control switch located near the heater.

All Wanderlodge heaters are equipped with valves to stop the circulation of engine hot water through the heater cores.

For summertime driving, close the valves on the heater water hoses. These valves are accessible underneath the engine hood or adjacent to it and function like the water valves in your home. The valves should be opened in winter. The coolant level in the radiator should be checked after these valves have been opened. If the liquid in the heater lines has evaporated during summer use, the radiator will lack sufficient coolant and may overheat.

B. GAS FURNACE

D. REFRIGERATOR:

Controls for both systems are in the panel at the base of the refrigerator.

LPG Operation - To light the refrigerator, turn the gas valve to the "ON" position. Push "IN" the red button on the left-hand side of the refrigerator. Hold for ten seconds. Light the pilot light by turning the flint lighter knob clockwise. This works like a cigarette lighter. Continue to hold in the red button until the pilot light will remain lit. Select the temperature you desire on the temperature selector knob adjacent to the pilot control knob.

Electric Operation - To operate the refrigerator electrically, turn the gas valve to the "OFF" position and turn the electric switch to the "ON" position. Set the temperature selector knob to the desired temperature.

E. DINETTE:

To make a bed out of your dinette, fold up the leg on the table by pulling the spring collar down and fold the leg up. Remove the table from the wall brackets and lower the table to rest on the edges of the dinette seats. Remove the dinette seat backs by lifting upward and outward. Place the dinette back cushions between the dinette seat cushions. This will form a bed.

F. SOFA BED:

To make a bed out of the sofa, lower the legs on the front part of the sofa platform. This is the same type leg as the dinette. Slide out the seat panel of the sofa until the back is unfolded. To convert back to a sofa, pull on the strap provided while pushing the seat panel. This will start the hinge action and allow seat panel to slide easily into place.

G. LPG OPERATION:

Your Wanderlodge is equipped with two LPG bottles and an automatic changeover valve. Open both valves one or two turns. Turn the arrow on the regulator valve so that it points toward either front or rear. The coach will use gas from the front or rear tank until it is exhausted. It will then automatically start using from the other tank. When this change-over occurs, a red indicator will show on the gas regulator. Fill the exhausted LPG bottle and turn the arrow on the gas regulator to point in the other direction. This indicator is a warning that you have used all the gas from the front or rear tank. These tanks also have indicators showing the amount of LP gas in each. These tanks do not have to be removed to fill. The quick fill valve is located on the front of the tank.

BEFORE YOU TRAVEL

1. Close the side awning windows
2. Put the entrance step in the travel position
3. Secure loose items inside the unit
4. Disconnect all service lines and stow them away
5. Insure all drawers and doors are in the locked position
6. Check the tightness of the LPG bottles
7. Turn the LPG heater "OFF"
8. Check the lighting system both inside and outside
9. Check the tire inflation and oil
10. Lock Door
11. Release the emergency brake
12. HAPPY WANDERLODGING!!!

WINTERIZING THE WANDERLODGE

1. Check anti-freeze in chassis engine cooling system.
2. Put anti-freeze in holding tank
NOTE: Use only permanent type Ethylene Glycol base anti-freeze. Alcohol anti-freeze would have a reaction with the plastic piping.
3. Check your batteries for capacity and filling
4. Make certain your oil and lubricants are "winter weight"
5. Check heater and defroster system (Sec. II, A)

WHEN WANDERLODGE IS NOT IN USE

1. Check to see emergency brake is tight
2. Shut off 12 volt water pump
3. Shut off all other 12 volt accessories
4. Shut off LPG bottles
5. Drain water tank
6. Drain hot and cold water lines (cold weather) or plug in 110 volt power so thermostatically controlled heat tape will operate
7. Leave refrigerator door open
8. Shut all windows and vents
9. Remove keys and lock entrance door

C A P A C I T I E S

	<u>GMC</u>	<u>CHEVROLET</u>	<u>FORD</u>	<u>ONAN</u>
FUEL - Regular	40-55-110	40-55-110	40-55-110	From Rear Tank of Chassis
COOLING SYSTEM & FRONT HEATER (Qts.)	40.9	30.4	32.9	Air Cooled
W/Rear Heating System Qts.	55.1	44.6	47.1	
CRANKCASE Capacity (Dry)	11	7 3/4	9	
(Quarts) Refill	9	6	8	
WEIGHT 30°F-100°F	SAE 30	SAE 30	SAE 30 or 20W-40	SAE 30
0°F-30°F	SAE 10W	SAE 10W	SAE 20 or 10W-30	SAE 10W
SPECIFICATION (API)	DG or MS/DG	DG or MS/DG	MS	MS or MS/DG
TRANSMISSION				
5-Speed	12 Pints	10 Pints	13 Pints	
Allison	19 Quarts	19 Quarts	19 Quarts	
TIRES				
Recommended	9:00 x 20 - 10 Ply - Dual Rear - 70#			
Pressure	9:00 x 20 - 12 Ply - Single Front- 95#			

NORMAL CURRENT DRAW FOR 12 VOLT EQUIPMENT

<u>SWITCH</u>	<u>NO. ITEMS</u>	<u>AMPS</u>
Marker/Identification Lamps	12	7.1
Stop Lamps	4	7.2
Parking Lamps	4	2.1
Head Lamps (Low Beam)	4 (Includes tail Lamps)	9.2
Head Lamps (High Beam)	6 (Includes tail Lamps)	13.4
Ignition	1	2.5
Instrument Panel	1	1.0
Entry Lamps	3	2.5
Blowers Heater High/Low	1	9.0/4.5
Defroster High/Low	1	9.0/4.5
Foot Warmer High/Low	1	9.0/4.5
Windshield Wipers	2	8.0
Back-Up	2	4.2
Front Living Area	6	7.8
Bathroom	1	1.3
Shower	1	1.0
Dinette (Double Fixture)	1	2.6
Kitchen (Double Fixture)	1	2.6
Bedroom	2	5.2
Water Pump (Intermittent)	1	6.2
Rear Heaters High/Low (Each Heater)	1	9.0/4.5
L.P. Furnace Blower	1	7.3
Defroster Fan	1	2.5
Ceiling Vent	1	4.0
Stereo	1	2.0
Radio	1	1.0

FORM # WL69500

Page #14 of 14 Pages

The OGDEN Water Purifier

**MODEL
B**

PERFORMANCE*

The OGDEN HEALTH PROTECTING WATER PURIFIER is fully proven and guaranteed to remove...

- Chlorine
- Harmful bacteria
- Algae
- Rust and dirt
- Invisible-suspended matter
- Organic tastes and odors
- Detergents
- Colors
- Radio-active solids
- Some iron and sulfur compounds

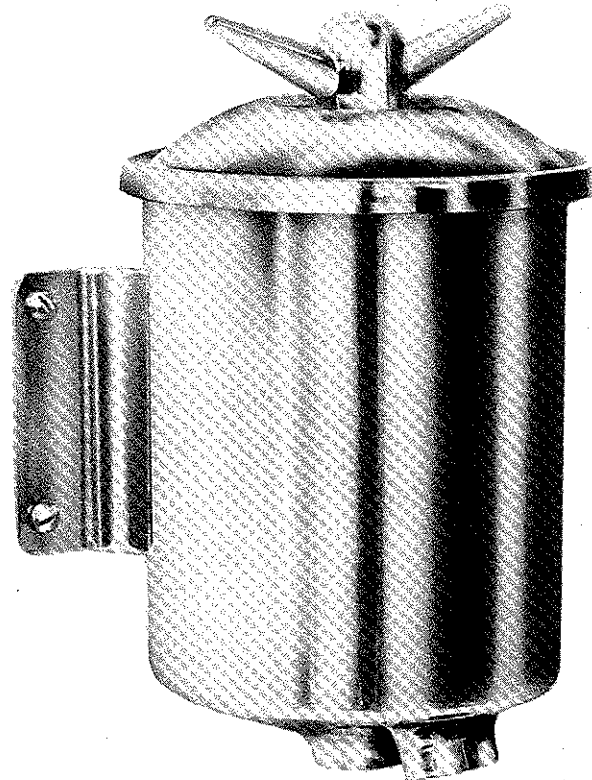
The OGDEN WATER PURIFIER is NOT a water softener and will NOT remove hardness causing minerals, but it WILL provide pure, delicious drinking, beverage, and cooking water which meets the standards of the United States Public Health Service.

*Copies of tests available on request.

MODEL B SPECIFICATIONS

- **INSTALLATION** — Wall mounted
- **SIZE** — 5 inches in diameter
8 inches high overall
- **MATERIAL** — Highly polished type 18-8 stainless steel
- **NORMAL FLOW RATE** —
1 gallon per minute
- **CARTRIDGE CAPACITY*** —
400 to 1000 gallons of water
- **SHIPPING WEIGHT** —
One unit — 4 pounds
Full case — 96 pounds
(24 units)

*Capacity will vary depending on the amount of suspended matter in the raw water.



DESCRIPTION

The OGDEN WATER PURIFIER is a small, compact stainless steel unit designed to provide pure, safe, delicious crystal clear DRINKING WATER from practically any water supply.

The scientifically developed and patented disposal cartridge is easily changed without the use of tools. All water is purified at the point of use — eliminating contamination from handling and storage.

The OGDEN WATER PURIFIER is used by more than 80% of the world's major airlines. Many thousands are now in use throughout the world in...

Homes	Hospitals	Offices
Hotels	Restaurants	Trailers
Schools	Apartments	Yachts
Laboratories	Factories	Airlines

Reg. U.S. Patent No. 2627351

Western OGDEN Purifier Corporation

WESTERN DISTRIBUTOR

7906 Santa Monica Blvd. Los Angeles 46, Calif.

Oldfield 4-2231
Oldfield 4-3497

**INSTALLATION
DIAGRAM**

FORM B-1

INSTALLATION OF THE MODEL B OGDEN WATER PURIFIER

The MODEL B is designed for wall mounting either above or below a sink, as shown in the diagrams below.

This unit is also adaptable to many commercial uses and can be easily installed on water coolers, beverage dispensers, ice making machines and carbonation equipment.

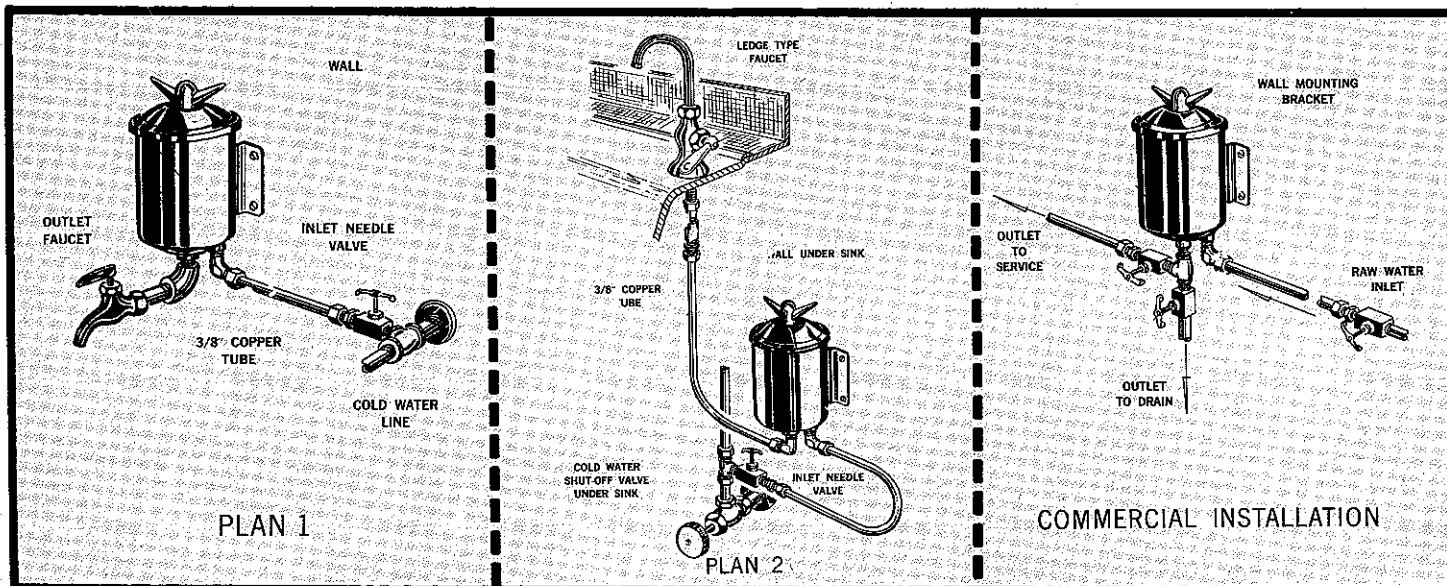
INLET CONNECTION...

Bottom of unit, marked "IN" - 1/4 inch female pipe thread.

OUTLET CONNECTION...

Bottom center of unit, marked "OUT" - 1/4 inch female pipe thread.

SAMPLE INSTALLATIONS



Other models and types of installations are also available

ORDER DATA

The MODEL B is supplied complete with wall mounting bracket and one SM 2 cartridge. Installation accessories are extra to provide flexibility of installation.

INSTALLATION ACCESSORIES

PLAN 1 (Chrome plated fittings)

- 4—Wood screws for mounting
- 4—Toggle bolts for mounting
- 1—1/2" lever-handled water faucet
- 1—1/2" x 1/4" reducing elbow
- 1—1/4" pipe x 3/8" tube elbow
- 1—1/4" pipe x 3/8" tube union
- 1—1/4" pipe inlet needle valve
- 2—1/4" x close pipe nipples
- 1—1/2" x 1/2" x 1/4" pipe tee
- 3 feet—3/8" copper tubing

PLAN 2

- 4—Wood screws for mounting
- 4—Toggle bolts for mounting
- 1—Ledge-type water faucet
- 1—1/4" pipe coupling
- 2—1/4" pipe x 3/8" tube unions
- 2—1/4" pipe x 3/8" tube elbows
- 1—1/4" pipe inlet needle valve
- 1—7/16" tube x 1/4" pipe tee
- 3 feet—3/8" copper tubing
- 2 feet—3/8" copper tubing

RUBBER REPLACEMENT PARTS

The "B" Series units are supplied with 4 neoprene rubber seals and gaskets which should be replaced each year. Complete replacement kits are available for each model of OGDEN WATER PURIFIER. When ordering, please specify purifier model.

CARTRIDGES

The MODEL "B" SERIES WATER PURIFIER uses the following disposable cartridges which are easily installed without the use of tools:

TYPE	RECOMMENDED USE
SH 2	For highly contaminated water supplies (extremely fine porosity).
SM 2	For lightly contaminated water supplies (domestic use).
LP2-7	For chlorinated or pre-treated water supplies (domestic use).
LP2-1	For chlorinated or pre-treated water supplies (commercial use).

The OGDEN Water Purifier

A QUALITY ENGINEERED PRODUCT
OF OGDEN FILTER CO., INC.

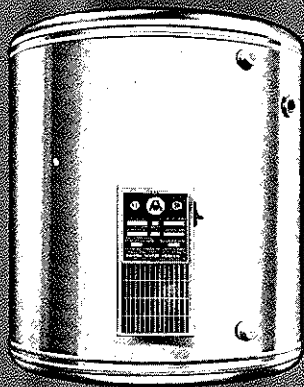


ATWOOD BOWEN

Automatic Electric Water Heaters

*... set the standard for
mobile-home water heating*

*... compact, space-saving
design for maximum
efficiency*



Every ATWOOD BOWEN
is individually tested under
extreme pressure, your
assurance of long life and
complete satisfaction

REPRESENTATIVES & WAREHOUSES

Marlin Manufacturing Co.
Box 1292

705 N. Throckmorton
Fort Worth, Texas

Florence Distributing Co.
2900 West Mishawaka Road
Elkhart, Indiana

Mobile Home Products
13560 49th Street North
St. Petersburg, Florida
Leelle Road, Box 535

Americus, Georgia

Hutchinson Merchandise
Warehouse

701 East Second Street
Hutchinson, Kansas

Sporoco, Inc.
100 Sand Hill Road
Sellingsgrove, Penna.

407 W. Main St.
South Hill, Virginia

Ward & Son, Inc.
5601 Valley Blvd.
Los Angeles 32, Calif.
Valley Distributing Co.
Highway 30 East
P. O. Box 4345
Boise, Idaho

This great new line of electric water heaters offers the ultimate in fast water heating, quick recovery, long life and low-cost operation. Special alloy-clad inner tank, rust and corrosion proof . . . carries a 2-year full replacement warranty under a 10-year warranty plan. New 1,500-watt immersion coil responds instantly to heating requirements . . . keeps water at constant temperature. • Hot water is drawn off extreme top . . . assures an ample supply of hot water over a long period of time and utilizes full capacity of the tank. Exclusive Atwood Bowen baffle separates and channels incoming water for most efficient operation. Accurate, trouble-free thermostat is graduated from 110° to 160°. Non-settling fiber glass insulation retains heat for unmatched economy. Space-saving size fits easily under counters, out of the way.

SPECIFICATIONS

(subject to change without notice)

MODEL	RA-6	RA-10	RA-20	RA-30
Gallons Capacity	6	10	20	30
Voltage (A. C. Only)	110-220*	110-220*	110-220*	110-220*
Watts	1500	1500	1500	1500
Diameter	15"	18"	20½"	20½"
Height	16"	17¼"	22½"	32½"
Net Weight	19½ lbs.	26½ lbs.	36 lbs.	49 lbs.
Shipping Weight	21½ lbs.	30 lbs.	39½ lbs.	55 lbs.

* Available on request, with 2500-watt element as standard.



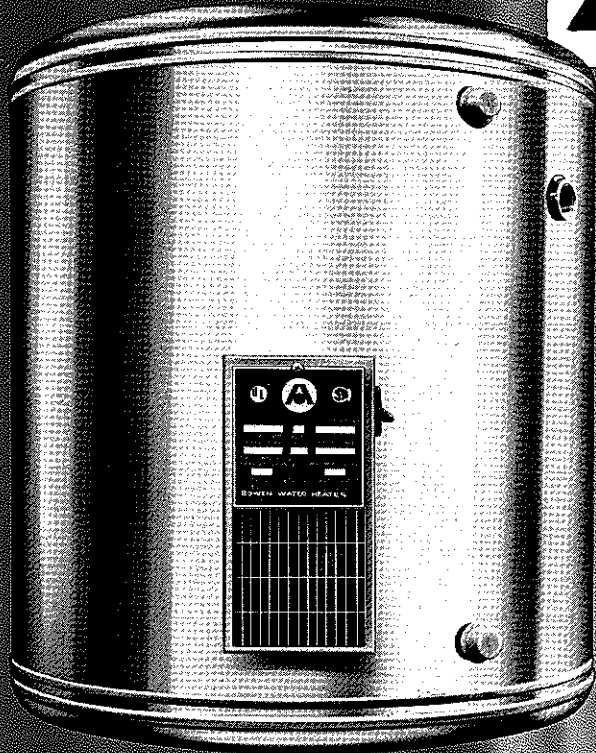
ATWOOD BOWEN CO.

49230 W. 14 Mile Rd. • Wixom, Michigan • 48096

Subsidiary of
ATWOOD VACUUM MACHINE CO.
1400 EDDY AVE., ROCKFORD, ILLINOIS 61101



**ATWOOD
BOWEN**



NEW 20-GALLON SIZE
MODEL RA-20

Automatic Electric WATER HEATERS

New improved line to meet all water heating needs.

New 10-year warranty plan (with full replacement 2-yr. warranty on inner tank).

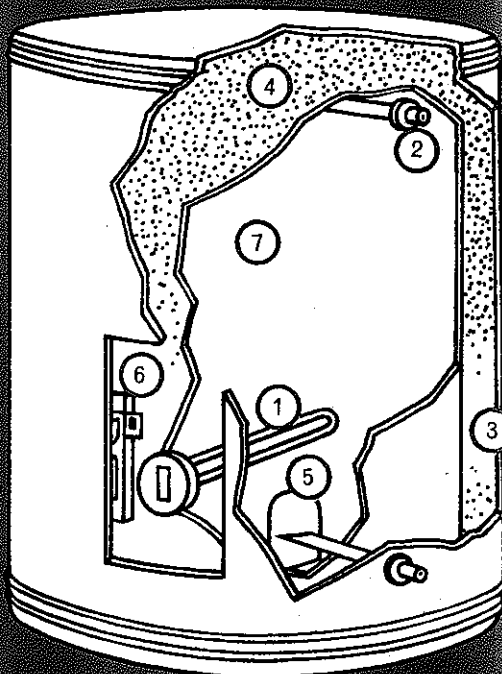
New 1,500-watt immersion coil assures fast recovery.


Brand New 20-gallon model especially for mobile homes.

"If it's an ATWOOD BOWEN...you know it's the best"

SUPERIOR FEATURES FOR TOP PERFORMANCE AND ECONOMY

- ① New 1,500-watt immersion coil heats water fast. Assures quick recovery.
- ② Hot water outlet at the extreme top. Utilizes full capacity of the tank.
- ③ Heavy-gauge outer jacket. Thermostat access panel easily removed.
- ④ Blanket of fiber glass insulation covers inner tank. Prevents heat loss.
- ⑤ Exclusive baffle channels incoming water for most efficient operation.
- ⑥ Accurate thermostat graduated from 110° to 160°. Easily adjusted.
- ⑦ One-piece water reservoir has corrosion resistant clad lining. Each tank inspected and pressure-tested at 300 lbs. psi.



NEW! 
model 840

The Townsend
TRAVELER
**PUSH BUTTON
 FLUSH TOILET**



Engineered for
 Right or Left
 Hand Operation

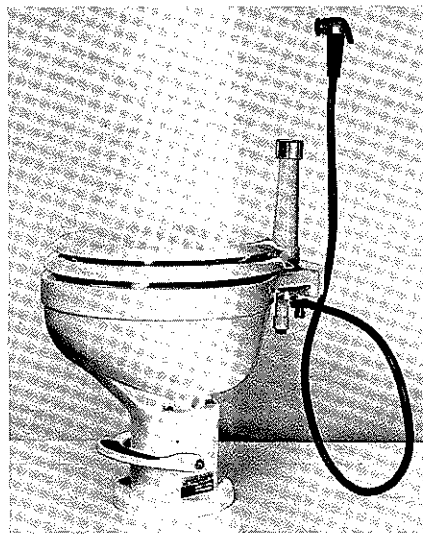
MODEL 840
 SUGGESTED LIST PRICE
\$69

**OPTIONAL
 DECK SPRAY**

ASSEMBLY NO. 840-1-02

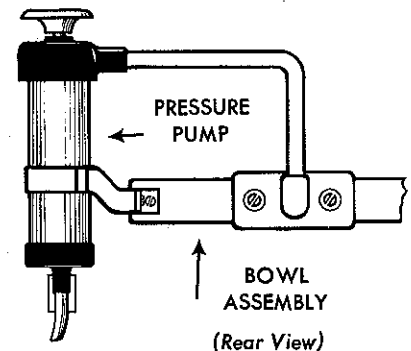
Installed with special fitting to push button valve unit . . . convenient water-saving accessory.

ILLUSTRATED AT RIGHT



MODEL 840-P

**ASSEMBLY NO. 820-1-07
 PUMP AND BOWL
 ASSEMBLY FOR
 NON-PRESSURIZED
 SYSTEMS**



MODEL 840

Another engineering first in Townsend's new model 840 flush toilet with dual direction center pipe water inlet for right or left hand operation. A new push button valve and foot pedal on a polypropylene plastic base makes flushing a quick, easy operation. The push button vacuum breaker valve, symmetrical in design offers greater convenience. The valve is made of corrosive resistant ABS plastic. Stainless steel and other corrosive resistant material insures a service-free life. The Townsend Traveler is designed with a new china natural contour bowl and wood enamel seat. Pressure pump available for non-pressurized systems. Deck spray is an optional accessory.

Installation is a simple, two-part procedure. Just connect the push button valve assembly through a compression fitting to a tube 3/8" OD from the pressure water supply. Mount base on a floor flange or directly on a drain pipe with a 3" male thread which will make the Townsend 840 a convenient operational water closet.

Manufactured and Sold By

TOWNSEND PRODUCTS CORP.

182 AVENUE D • ROCHESTER, N. Y. 14621

Phone 716-342-7530

MAINTENANCE INSTRUCTIONS FOR THE MODEL 840

The Model 840 is built to high standards of workmanship with excellent quality, non-corrosive materials. However a few simple precautions will extend the life of the toilet and insure a trouble free and smooth performance.

First, place a few drops of oil on all of the working parts in the pedal mechanism once every 3 months. Second, if the bowl is kept clean the flushing action is more complete and will use less water. The push button valve can be dis-assembled by un-screwing the tube at the rear of the toilet. The rubber O-rings at the bottom of the valve stem can be greased for easy action once a year.

Make sure all nuts and bolts are gently tightened occasionally, particularly the bolts holding the toilet to the floor. **DO NOT** over-tighten any bolt or nut: especially those holding the bowl to the base. In the wintertime, if the trailer toilet system is subjected to freezing, make sure all water supply lines are drained.

FLUSHING INSTRUCTIONS:

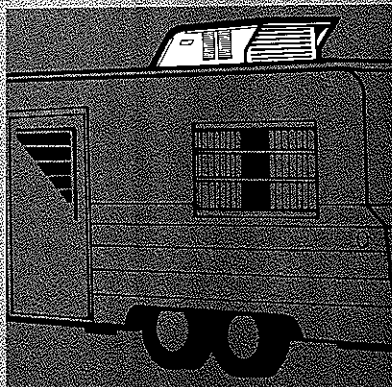
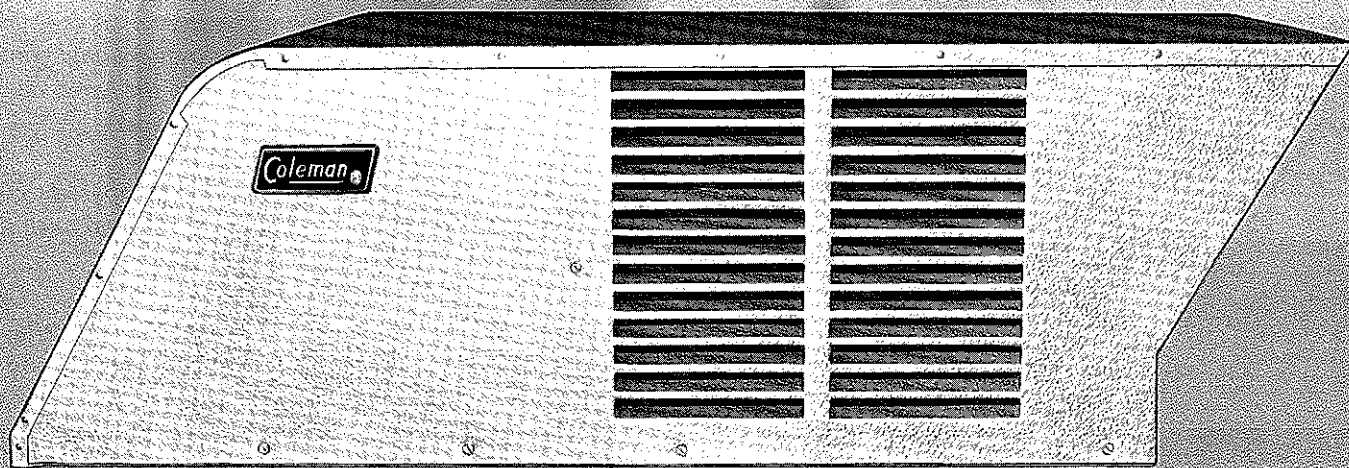
*The Model 840 is flushed by depressing the pedal all the way and pushing the valve button located in the top of the pedestal at the rear of the toilet. Hold the pedal and push button down until the toilet is completely flushed. Depress the push button again for a short time allowing about two (2) inches of seal water in the bowl. **DO NOT** waste water by flushing longer than it is necessary.*

10,000 BTU / ROOF TOP

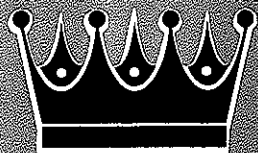


POLAR•PAL

**AIR CONDITIONER
FOR TRAVEL TRAILERS**



The new Polar•Pal Roof Top Air Conditioner with its low profile—2 inches lower than other makes—creates less air drag and its modern, streamlined styling is more attractive. Built to the same exacting standards that have made Coleman air conditioners the acknowledged leader in other industries—it features the best possible components, assembled by skilled technicians under the supervision of Coleman's capable engineering and quality control personnel.



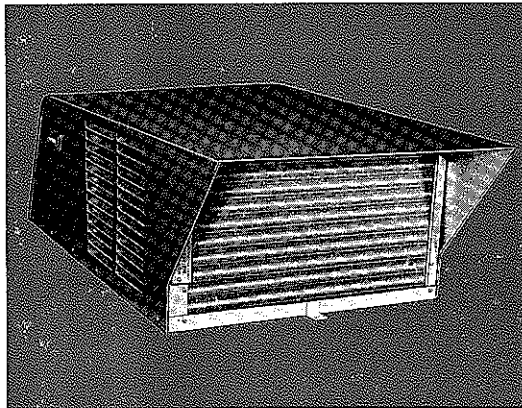
First Class Coleman Comfort
FOR RECREATIONAL VEHICLES



THE COLEMAN COMPANY, INC. / SUPPLIER PRODUCTS DIVISION
WICHITA, KANSAS 67201

HEATING / AIR CONDITIONING

ROOF TOP AIR CONDITIONERS FOR RECREATIONAL VEHICLES



COMPACT/MORE OUTPUT Smaller and lighter than other makes... Polar•Pal provides 10,000 BTU/HR! More output for its size than any other unit.

MORE HEAD ROOM Ceiling assembly projects only 1½ inches into the room... compared to nearly 4 inches for units of other makers.

EXCLUSIVE CONTROL-AIRE Only Coleman gives you directional control of air discharge. Dampers permit adjustment of air flow to the front, rear, and sides of the vehicle. Provides cool air wherever it's needed.

LIGHTWEIGHT Complete unit weighs only 125 pounds... compared to the 140 pounds or more of other make units. Less roof load and little need for special bracing.

5-WAY CONTROL Most units offer only ON or OFF controls. Polar•Pal gives you: OFF—LO FAN—HI FAN—LO COOL—HI COOL. When operating on either cooling setting temperature is automatically controlled by thermostats.

100% FILTERED AIR The air is continuously filtered by a permanent air filter for the cleanest air possible. The special filter is washable and easily accessible from inside for cleaning.

EASY TO SERVICE Outer casing cabinet removes easily. All components are readily accessible for servicing.

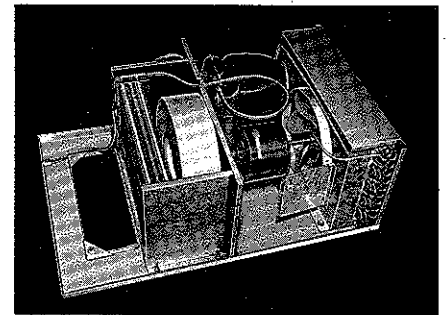
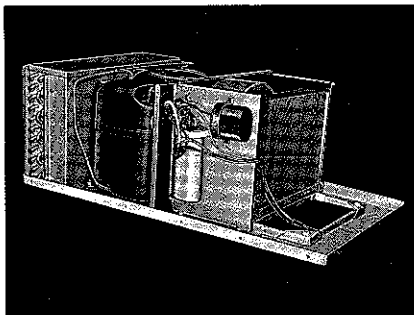
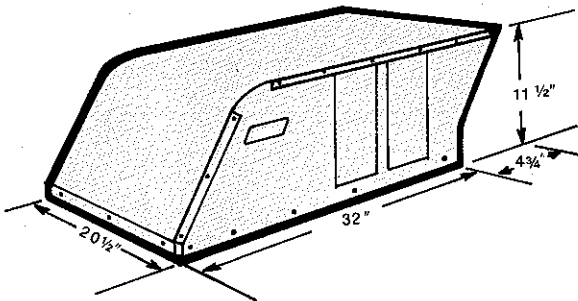
EASY TO INSTALL Fits standard 14" x 14" opening. Requires no structural roof changes and no additional holes... unit completely fastened from inside. Adaptor available for curved ceiling.

LOW CURRENT DRAW Economical to operate—draws only 11 amps. Comparable units of other makes draw 12 amps or more.



EXCLUSIVE \$1000 BOND PROTECTS WARRANTY!

Only with Coleman you get a \$1000 Bond that backs up warranty on Coleman products. An exclusive extra from Coleman! All Coleman manufactured components carry full 5-year free service warranty; components manufactured by vendors have 1-year free service warranty.



SPECIFICATIONS

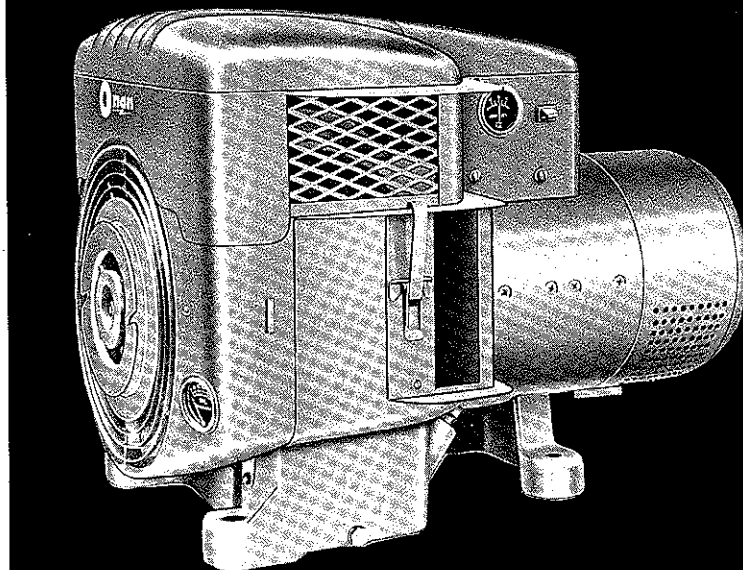
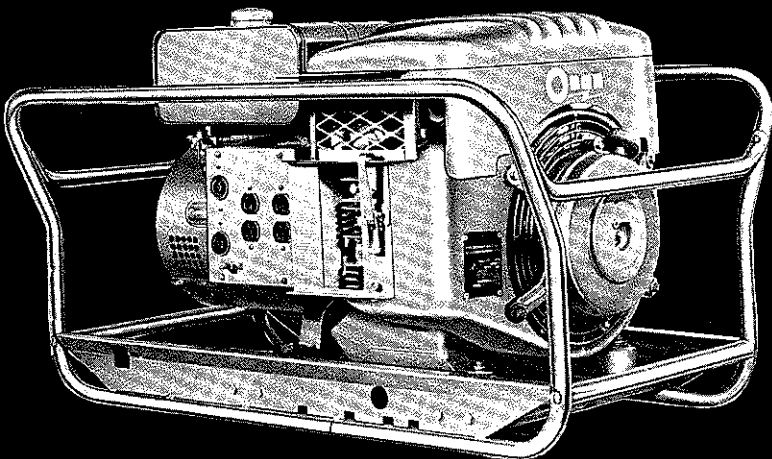
MODEL	BTU/HR	VOLTS	AMPS	PHASE	CYCLE	WEIGHT
6248-701	10,000	115	11.0	1	60	125 lbs.
6248-707*	10,000	115	11.0	1	60	127 lbs.

* Model 6248-707 has compressor start kit installed at factory. Accessory Start Kit available for 6248-701.



ELECTRIC GENERATING PLANTS
GASOLINE-DRIVEN
PERFORMANCE CERTIFIED

SERIES CCK
5000 WATTS
AIR-COOLED



MODEL SELECTION and RATING TABLE

ELECTRICAL DETAILS				MODEL NUMBER	RATINGS		
VOLTS	CYCLE	PHASE	WIRE		CONTINUOUS SERVICE	STANDBY SERVICE	STARTING METHOD
120	60	1	2	5CCK-1M	5,000 watts	5,000 watts	Manual
120	60	1	2	5CCK-1P	5,000 watts	5,000 watts	Manual
120	60	1	2	5CCK-1R	5,000 watts	5,000 watts	Remote
240	60	1	2	5CCK-2M	5,000 watts	5,000 watts	Manual
240	60	1	2	5CCK-2P	5,000 watts	5,000 watts	Manual
240	60	1	2	5CCK-2R	5,000 watts	5,000 watts	Remote
120/240	60	1	3	5CCK-3M	5,000 watts	5,000 watts	Manual
120/240	60	1	3	5CCK-3P	5,000 watts	5,000 watts	Manual
120/240	60	1	3	5CCK-3R	5,000 watts	5,000 watts	Remote
120/240	60	1	4	5CCK-3CR*	5,000 watts	5,000 watts	Remote
240	60	3	3	5CCK-5M	5,000 watts	5,000 watts	Manual
240	60	3	3	5CCK-5P	5,000 watts	5,000 watts	Manual
240	60	3	3	5CCK-5R	5,000 watts	5,000 watts	Remote
120/208	60	3	4	5CCK-4M	5,000 watts	5,000 watts	Manual
120/208	60	3	4	5CCK-4P	5,000 watts	5,000 watts	Manual
120/208	60	3	4	5CCK-4R	5,000 watts	5,000 watts	Remote

NOTES
 *This model is reconnectable to deliver full output at 120-volt or 240-volt, 2-wire.

50-CYCLE MODELS
 are available and rated at 4,250 watts for continuous and standby service.

STANDARD EQUIPMENT

REMOTE START MODELS: Mounted Control Box with Battery Charge Rate Ammeter, Battery Terminals, Remote Control Terminals, Reverse Current Relay, Start-Stop Switch, 2-Step Current Regulator
 • Muffler • Flexible Exhaust Connection • Separate 5-gallon Fuel Tank • Fuel Line • Battery Cables • Vibration Isolators • Emergency Starter Rope

PORTABLE MODELS: Carrying Frame • Readi-Pull Recoil Starter
 • 6-Receptacle Outlet Box with Pilot Light • Mounted 4-gallon Fuel Tank • Muffler • Vibration Isolators

MANUAL STATIONARY MODELS: Separate 5-gallon Fuel Tank
 • Fuel Line • Muffler • Flexible Exhaust Connection • Readi-Pull Recoil Starter • Vibration Isolators • Outlet Box (no receptacles)

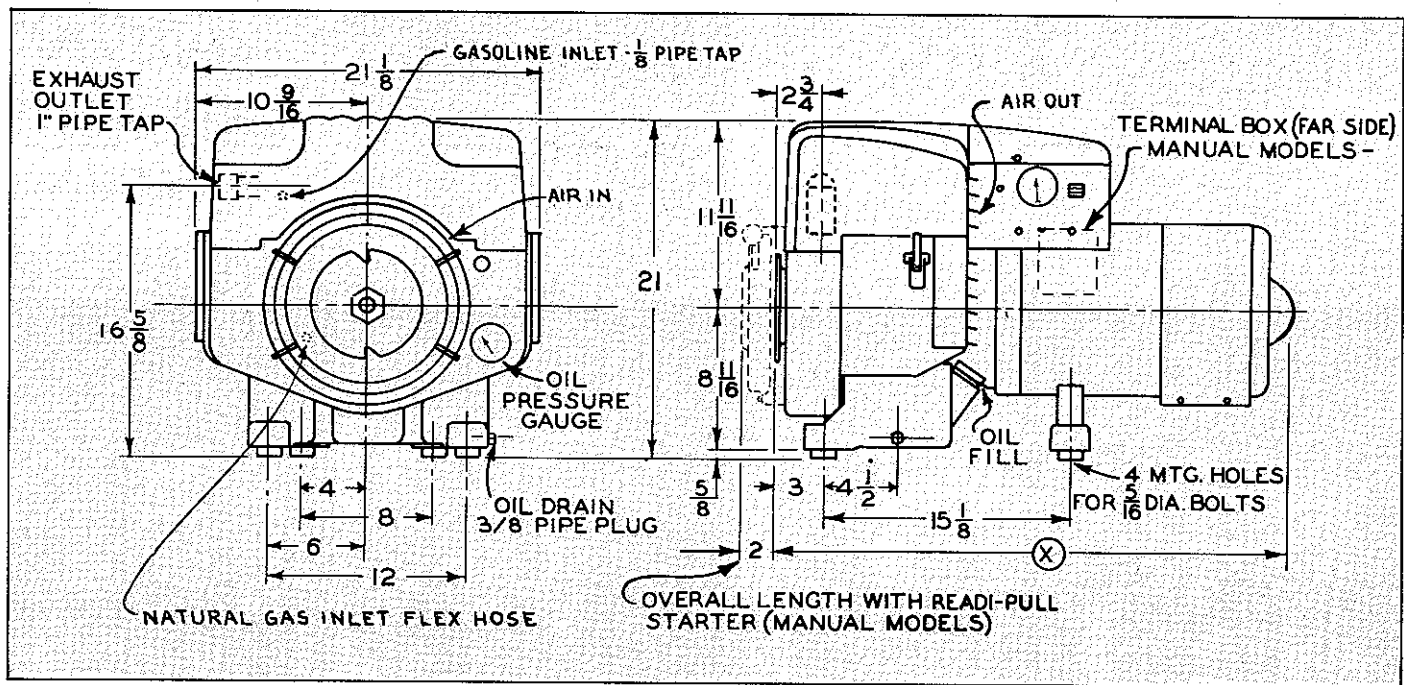
Litho in U.S.A.

A-405-D



2515 UNIVERSITY AVENUE S.E. • MINNEAPOLIS, MINN. 55414

IN CANADA: ONAN GENERATORS CANADA LTD., P.O. BOX 652, GUELPH, ONTARIO



Variable Dimensions: Length "X"—2-wire, 29 $\frac{7}{8}$ -in.; 3 and 4-wire, 31 $\frac{1}{2}$ -in. Approx. Net Weights: Manual Start—370-lb.; Remote Start—375-lb. PORTABLE MODELS: Overall Dimensions—Length 38-in., Width 27 $\frac{1}{8}$ -in., Height 23-7/16-in. Approx. Net Weight: 410-lb.

ONAN ENGINE

Type: Four-cycle: L-head; Two cylinders horizontally opposed; 3 $\frac{1}{4}$ -in. bore; 3-in. stroke; 50.0 cubic inch piston displacement; 5.5:1 compression ratio; 10.2 horsepower at 1800 rpm; BMEP at continuous load is 51 psi. Piston speed is 900 fpm. ONAN CCK Engine.

Cooling System: Pressure air-cooled. Direct drive axial flow blower. Cooling air volume 500 cfm.

Fuel System: Downdraft carburetor with diaphragm fuel pump (fuel lift 4-feet), screen fuel filter, oil bath air cleaner. Portable and manual stationary models have hand choke; remote start models have electric choke. Approximate fuel consumption at continuous rated load: Gasoline—0.88 gph; Gaseous fuel (1000 Btu cu ft) 115 cu ft-hr.

Governor: Enclosed, flyball governor, cam gear-driven with vacuum booster to supplement mechanical governor control of speed. Speed regulation 5 percent.

Ignition Systems: Portable and Manual Stationary models have flywheel magneto ignition. Remote models have 12-volt battery ignition. All Models are shielded to minimize radio interference.

Lubrication System: Gear driven gear pump. Full pressure lubrication to main and connecting rod bearings and governor. Adjustable pressure relief valve. Oil pressure gauge; dipstick. Sump capacity: 4-quarts.

Starting System: Portable and manual stationary models—hand started with an automatic recoil Readi-Pull starter, stop button on blower housing. Remote models—12-volt cranking from exciter of the AC generator. Optional (LTE 3-wire) automatic load transfer control for standby service.

Bearings: Two main bearings are steel backed bronze (sleeve); replaceable precision inserts.

Connecting Rods: Cast aluminum alloy.

Crankshaft: High strength, cast alloy iron. Balanced.

Cylinders-Crankcase: Integral. Cast alloy iron. Cast iron oil base.

Cylinder Heads: Cast aluminum alloy.

Pistons: Machined aluminum alloy, controlled expansion; 3-ring (2 compression, 1 oil control).

Valves: Intake valves are SAE 4140 carbon steel. Rotating exhaust valves are austenitic (2112) steel with hard chrome-cobalt alloy facing. Hard Chrome-Cobalt Alloy Exhaust Seat Insert; replaceable.

ONAN AC GENERATOR

Ratings: 5000 watts continuous and 5000 watts, AC, standby service at unity power factor, 60-cycle. Remote Start Models: AC generators incorporate 12-volt, DC windings and 12-volt, DC battery charging circuit—6-amp battery charge rate, maximum.

Type: Revolving armature, 4-pole, self excited, inherently regulated. Drip-Proof design. Permanently aligned to engine.

Frequency Regulation: 3 Cycles (5 percent) no load to rated continuous service load, 60-Cycle operation.

Voltage Regulation: Plus or Minus 5 percent, no load to rated continuous service load, 60-Cycle operation.

Insulation System: Class B per NEMA MG1-1.65 definition. Insulating Varnish conforms to MIL-V-1137.

Temperature Rise: Temperature rise at rated load is within NEMA MG1-22.40 definition.

Radio Frequency Interference Suppression: Exceeds requirements for most civilian and commercial applications.

Armature: Laminated Electrical steel stack, keyed and press fitted to shaft. Heavy Nyform insulated copper wire windings. Balanced.

Stator: Laminated Electrical steel pole shoes mounted in rolled steel frame. Machine form wound and taped field coils.

Collector Rings: Low zinc-brass. Machine finished.

Bearing: Sealed ball bearing, lubricated for life.

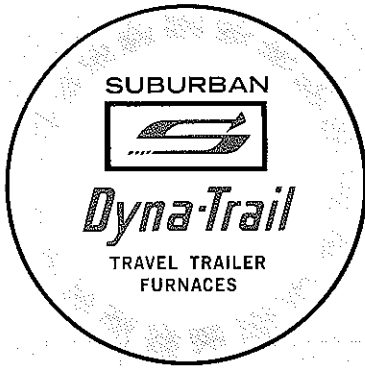
OPTIONAL ACCESSORIES

Automatic (load demand) Start-Stop Controls • Automatic (LTE) Load Transfer Controls • Switchboards • Two, 6-volt, 105 amp-hr Starting Batteries • Gas or Combination Gas-Gasoline Carburetion • Vacu-

Flo Cooling • Thermostatically-controlled Air Shutter • High Air Temperature Cut-out • Weather Protective Housing (Instruments and Receptacles) • Two-wheel Dolly Kit for Portable Models

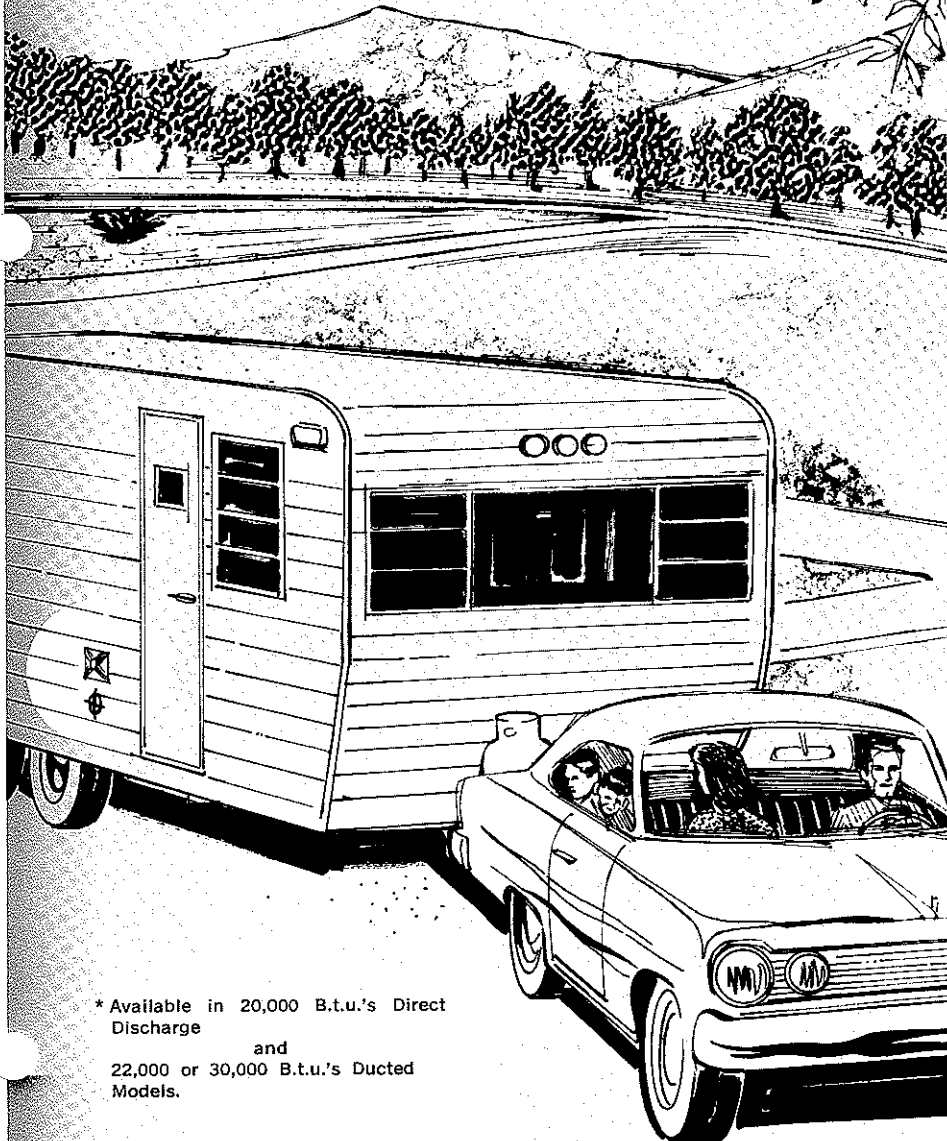
Specifications May Change Without Notice

REVOLUTIONARY
* **NEW**



"THE HEATER WITH THE PILOT
THAT WON'T GO OUT!"

Now, from Suburban, two new travel trailer heaters featuring easy installation, superb efficiency, quality materials and workmanship for long-lasting service, fool-proof safety advantages, low operating costs . . . DUCTED or DUCTLESS. A.G.A. approved, of course. Trailer with furnace application can be tested in Suburban's "Cold Room" under temperatures as low as -15 degrees.

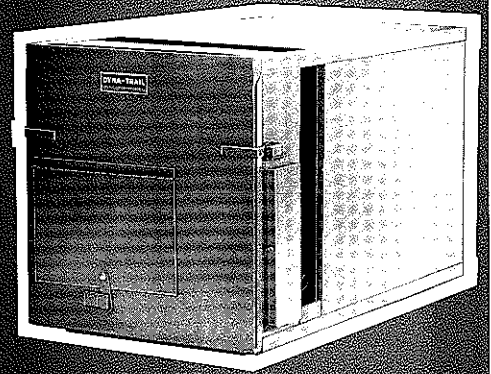


* Available in 20,000 B.t.u.'s Direct Discharge and 22,000 or 30,000 B.t.u.'s Ducted Models.

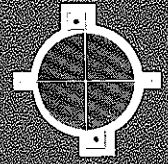
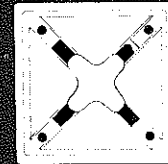


Suburban Manufacturing Company, DAYTON, TENNESSEE

DUCTED MODEL
NT22 AND NT30

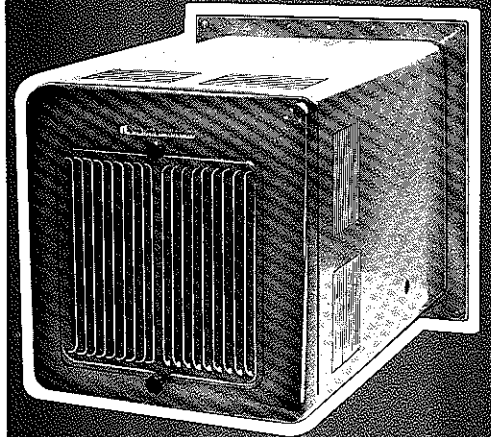


Simply set the thermostat to the desired temperature. The Suburban DYNATRAIL NT22 and NT30 force hot air through ductwork to heat in any predetermined area of the trailer for uniform floor-to-ceiling, wall-to-wall comfort.



Exclusive through-the-wall venting system eliminates unsightly roof vents and bulky attachments to the outside wall. Trim aluminum vents provide for intake of outside air and exhaust, making impossible the condensation or depletion of room air.

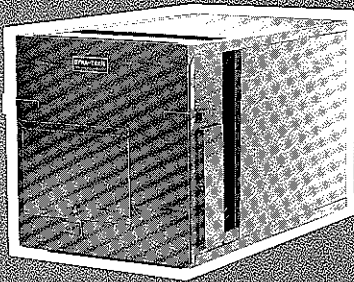
DUCTLESS MODEL NT20-A



Suburban warmth discharged directly into the room by the NT20-A . . . thermostatically controlled and economical to operate.

A.G.A. APPROVED





Suburban Model NT22 and NT30 DUCTED FURNACES



Ducted Models NT22 and NT30 provide the ultimate in heating comfort, use less fuel to maintain uniform temperatures... can be ducted on both sides or bottom for carrying hot air into remote trailer areas.

FEATURES

- Exclusive forced draft... ducted, noiseless.
- Exclusive forced draft sealed combustion system virtually eliminates pilot outage.
- Dual electric system; operates on either 12-volt battery or standard 115-volt current. Automatic rectifier system. (No need to manually switch for 12-volt or 115-volt operation.)
- All the controls of a central forced warm air system.
- Low, low amperage draw.
- Wall thermostat.
- Simple to light, economical operation.
- Easy installation.
- Clevisite spark igniter—solid state.
- Only 24" in length.
- Only ± 1 degree thermostat differential.

SPECIFICATIONS

CAPACITY

NT-22 Input—22,000 B.t.u.'s per hour.
Output—17,600 B.t.u.'s per hour.

NT-30 Input—30,000 B.t.u.'s per hour.
Output—24,000 B.t.u.'s per hour.

SEALED COMBUSTION SYSTEM

Exclusive, patented forced draft.

VENTING

Exclusive side-wall... trim aluminum vents.

AIR CIRCULATION

170 c.f.m. at .12 in. H₂O static pressure.

CLEARANCES REQUIRED TO COMBUSTIBLE MATERIAL

Zero inches on all sides, including warm air ducts.

ELECTRICAL SYSTEM

Dual voltage: 115-volt a.c. or 12-volt d.c. battery.

AMPERAGE DRAW

Maximum 4.1 amps. under full operating conditions.

FAN CONTROL

Automatic, two-step blower.

THERMOSTAT

Wall mounted.

HIGH LIMIT CONTROL

Automatic.

GAS CONTROLS

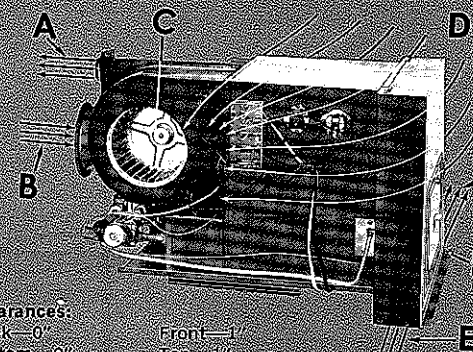
100 percent shutoff.

EXCLUSIVE POWER VENT SYSTEM

DIMENSIONS

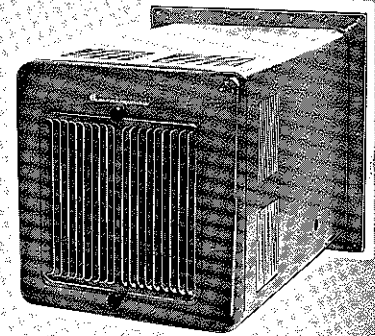
Height—15" Width—14"
Length—24" Weight—Approx. 75 lbs.

(Approximate overall dimensions subject to change.)



CLEARANCES:
Back—0"
Bottom—0"
Left side—1"

Front—1"
Top—1"
Right side—2"



Ductless Model NT20-A directs hot air directly into the trailer... features same economical operation and venting system as Model NT22. Cold air can be connected to cold air return duct.

FEATURES

- Exclusive forced draft, sealed combustion system. Virtually eliminates pilot outage.
- All the controls of a central forced warm air system.
- No ducting required... discharges hot air directly into living area.
- Dual electric system; operates on either 12-volt d.c. or standard 115-volt a.c. current. Automatic rectifier system.
- Low, low amperage draw.
- Wall thermostat.
- Simple to light.
- Easy installation.
- Clevisite spark igniter.

SPECIFICATIONS

CAPACITY

Input—20,000 B.t.u.'s per hour.
Output—15,000 B.t.u.'s per hour.

SEALED COMBUSTION SYSTEM

Exclusive, patented forced draft.

AIR CIRCULATION

170 c.f.m. at .12 in. H₂O static pressure.

ELECTRICAL SYSTEM

Dual 12-volt d.c. or 115-volt a.c.

AMPERAGE DRAW

Maximum 4.1 under full operating conditions.

COMBUSTIBLE MATERIAL CLEARANCES

Zero inches all sides.

FAN CONTROL

Automatic, two-step blower.

THERMOSTAT

Wall mounted.

HIGH-LIMIT CONTROL

Automatic.

GAS CONTROLS

100 percent shutoff.

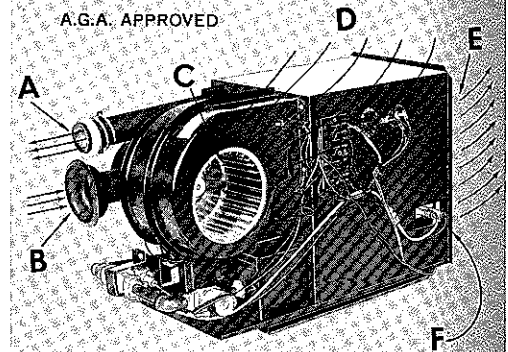
VENTING SYSTEM

Exclusive power vents system.

DIMENSIONS

Height—14 1/4"
Width—14 1/4"
Length—22 1/2" (Less out side mounting flange)
Weight—Approx. 75 lbs. (Approximate overall dimensions subject to change.)

A.G.A. APPROVED



A Exhaust Flue Gas

B Combustion Air Intake

C Blower
(Low Amperage Draw)

D Return Air Intake

E Warm Air Discharge

F Pilot Access Door

1-YEAR IN-WARRANTY SERVICE POLICY COVERS LABOR AND MATERIAL.

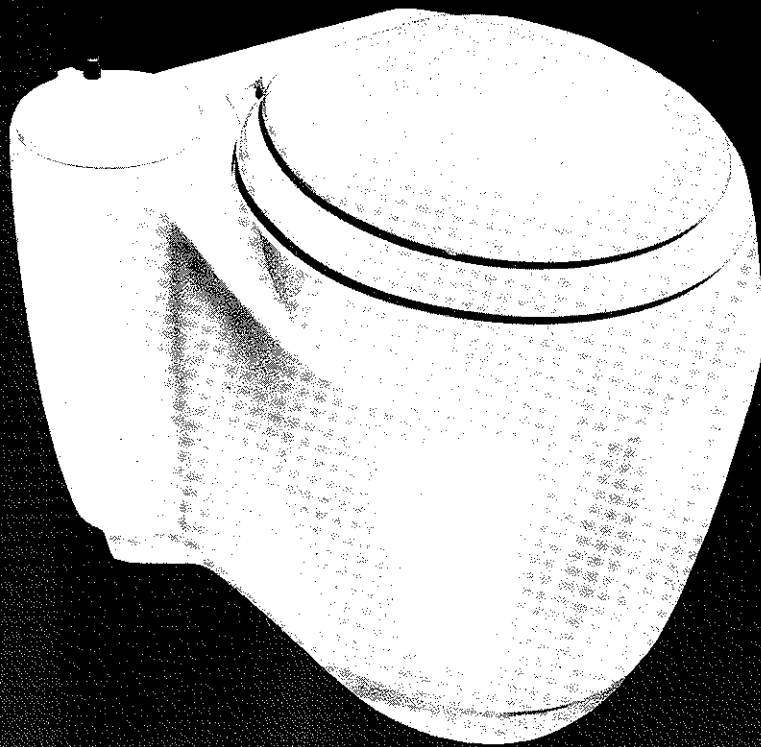


Suburban Manufacturing Company, P.O. BOX 399, DAYTON, TENNESSEE 37321

All \$7 million jet airliners
rely on MONOGRAM sanitation systems



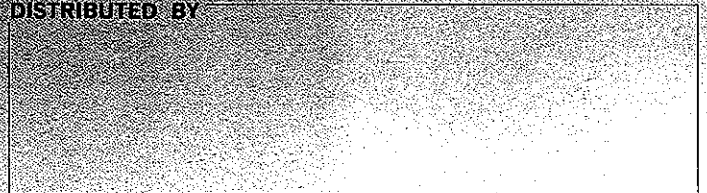
So do most leading recreational vehicle manufacturers



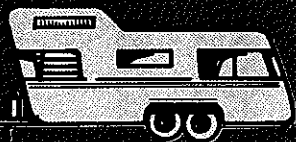
■ All flushing toilets for every Boeing 707 and Douglas DC-8 flying today are produced by Monogram Industries. Now, the same engineering principles have been incorporated into the MONOMATIC at a price you can afford.
■ MONOMATIC is completely self-contained. Same four gallons of water with one packet of Monochem T-5 will accommodate 80 to 100 usages without a holding tank. With a new or existing conventional holding tank the capacity can be extended weeks, months or even a full season. Ten minute installation on any recreational vehicle. Twelve volt DC system. Merely press button and automatic timer controls 8 second flush through self-cleaning filter. Built in drain valve at base of unit (above floor) makes emptying and recharging a simple procedure. ■ Over

50% of the nation's leading trailer, camper and motor home manufacturers include MONOMATIC as standard equipment. Due to simplicity of installation most other manufacturers will consider it optional and gladly make an exchange for you.

DISTRIBUTED BY



Manufacturers and originators of all flushing toilets for Boeing 707 and Douglas DC-8's



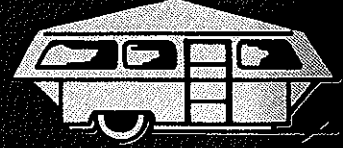
TRAILER



CAMPER



MOTOR HOME



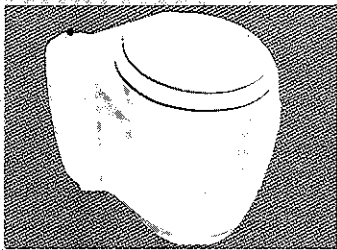
FOLD-OUT TENT CAMPER

THE NEW STANDARD OF MOBILE SANITATION

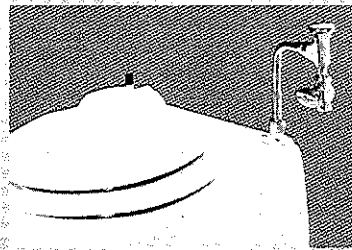
To answer a critical need for a thoroughly reliable, trouble-free toilet for travel trailers, pleasure craft, and other areas where self containment is essential, Monogram Industries has applied the same principles used in the flushing toilets they manufacture for use in the Boeing 707's, Douglas DC8's, and other jet airliners flying the world over. ■ The result is a unit that is completely different in operation and appearance from any toilet ever before made available outside the aircraft field. Completely self-contained, the electrically operated Monomatic is quiet and efficient.

Recirculating; it uses none of the precious water supply. It is completely hygienic and odorless. ■ It offers fast, economical installation for the manufacturer, increased sales appeal for the dealer, and years of trouble-free service for the owner. The trim, modern appearance of the Monomatic will enhance the interior decor wherever it is installed. The cabinet and bowl are made of rugged ABS plastic with a tough, gleaming-white finish that is easy to keep clean. All internal parts are either stainless steel or corrosion-proof plastic for years of satisfactory service.

TWO MODELS AVAILABLE



Model A: Manually filled with any measured container.



Model W: Connects directly to water supply for easy rinsing and filling. Complete with factory installed anti-siphon vacuum breaker; water inlet fitting and charging tube.

Both Models A & W are equipped with factory installed built in drain valve.

MONOCHEM T-5 CHEMICAL TREATMENT



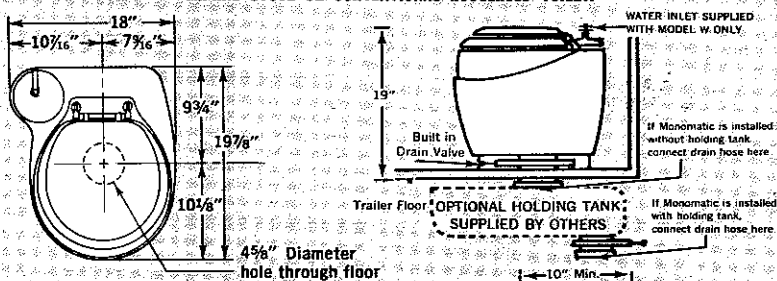
In the Monomatic system, special attention has been directed toward elimination of the odor-causing bacteria. The Monomatic has a capacity of 8½ gallons and takes an initial charge of four gallons of water mixed with one package of Monochem T-5. It will accommodate 80 to 100 usages over a continuous 5 day period or several week ends.

The formulation of Monochem T-5 is the result of more than seven years of research, testing and proven dependability in Monogram sanitation systems throughout the world. Monochem T-5 has a cost of less than one penny a flush.

SPECIFICATIONS

Toilet Housing	ABS Plastic
Toilet Bowl	ABS Plastic
Usable Capacity	.85 gallons
Disposal Outlet	3 inches
Motor	12 Volt DC
Current	9 Amps Max. (8 Sec. Period)
Weight	20 lbs.
Shipping Weight	Approx. 24 lbs.

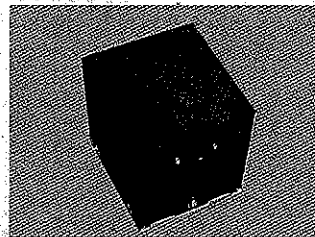
THE MONOMATIC HAS STANDARD MOUNTING BRACKETS AND MAY READILY REPLACE ANY MARINE STOOL OR CONVENTIONAL HOUSEHOLD TOILET.



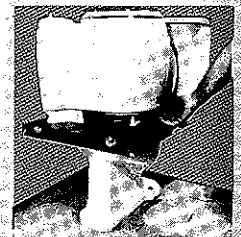
MODEL A AND MODEL W MAY BE INSTALLED WITH OR WITHOUT HOLDING TANK. When used with holding tank the capacity of self containment is extended beyond 80 usages.

PORTABLE MONOMATIC

All the outstanding features of the Monomatic have been incorporated into a smartly styled case with the appearance of fine luggage. Outside dimensions of case, including clips: 22 inches long 20 1/2 inches wide, 2 1/4 inches top to bottom.



The Portable Monomatic is securely mounted to its own vinyl covered platform with four built-in grip handles and six heavy duty chrome finished locking clips, which secure the lift off top - easy portability in either open or closed position.



After approximately 80 uses, the Portable Monomatic may be placed on a conventional toilet. The built-in drain valve is released and the contents flushed away.

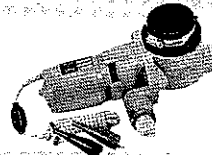
Maximum weight of Portable Monomatic, when filled to capacity, is approximately 85 lbs.

ELECTRICAL POWER SOURCE

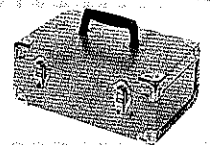


Conventional 12 volt automotive battery. If 110 volt AC standard household current is used as a power source, it must be converted to 12 volt DC. The Monovolt Converter Model 10A has been especially designed to provide the proper voltage and amperage output necessary for optimum performance of the Monomatic. The Monovolt may also be used as an efficient 6 volt, or 12 volt battery charger.

MONOPUMP



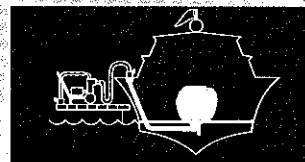
Discharges Monomatic or conventional holding tank thru 3/4" garden hose into household toilet.



Optional carrying case for MonoPump very strong, very light, heavy duty chrome hardware.

MARINE MONOMATIC

The self-contained marine Monomatic is the only practical solution to the problem of preventing water pollution by pleasure craft. Two marine models are available.



Model 3 - DOCKSIDE DISCHARGE OF TREATED WASTE. Waste is removed by dockside discharge facilities. This system is approved by most states.



Model 4 - OVERBOARD DISCHARGE OF TREATED WASTE. Where permitted by law, treated waste is discharged into water ways.



MONOGRAM INDUSTRIES, INC.

10131 NATIONAL BOULEVARD, LOS ANGELES, CALIF. 90034



Model No. 285 With Top Burner Pilot,

Model No. 165 } HT. 1 $\frac{3}{4}$ " Less than
Model No. 265 } Model No. 185



MAGIC CHEF MODELS NO. 165 & 185 GAS RANGES
for Campers and Travel Trailers...



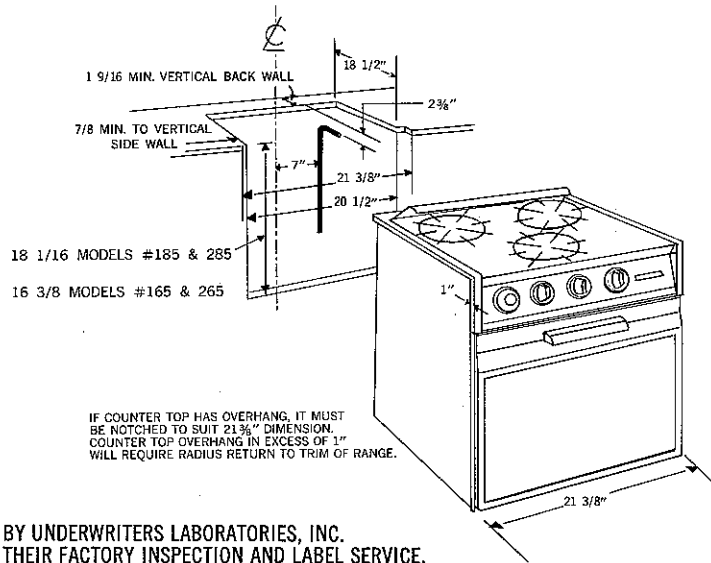
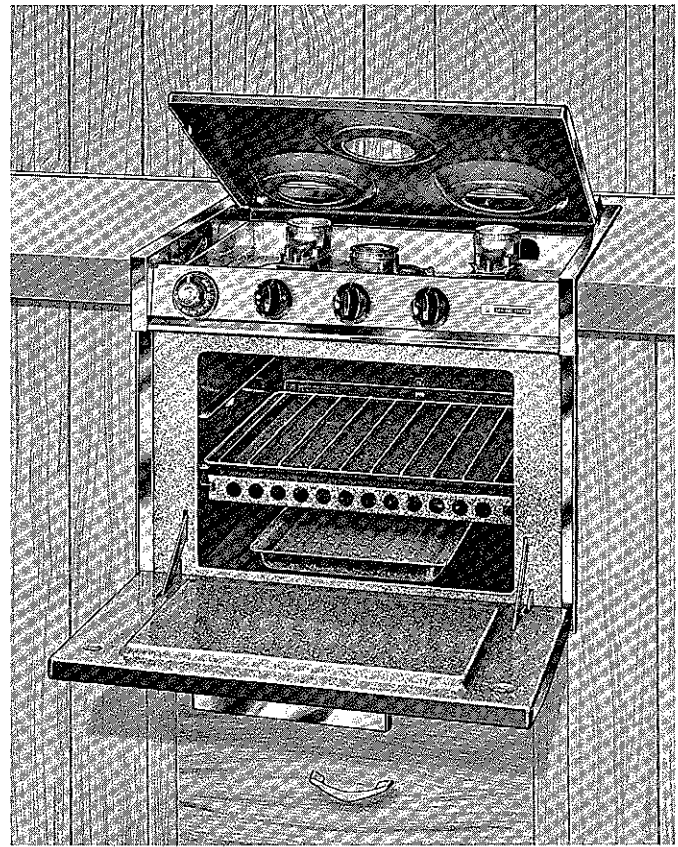
MAGIC CHEF

Models No. 165 & 185 Gas Ranges

Designed expressly for the Camper and Travel Trailer. The Model 165 will maintain 36" countertop height for Campers. All the convenience of a full size range with 3 large surface units and oven/broiler compartment. Surface units, oven and control panel in one compact, built-in unit. Meets all code requirements. Colors: white, champagne, yellow, pink, copper-tone, turquoise.

OTHER OUTSTANDING FEATURES:

- * Automatic oven ignition on all models.
- * Top burner pilot (Models 265 & 285 only).
- * New "Hi-speed, low turn down" top burner control enabling infinite temperature control settings.
- * Exterior and interior finish porcelain enamel.
- * High polished chrome heavy gage trim rim completely conceals cabinet cutout.
- * "Curbed" cook top.
- * Two piece enamelled "Smokeless" broiler pan.
- * Hinged top permits easy, fast cleaning.
- * Inclined control panel.
- * New custom styled knobs.



COUNTER PREPARATION

Easy and inexpensive to install, simply slip into cabinet opening, secure with six recessed screws and connect the gas line. Weight of unit provides tight, flush mounting. No platform, base or rails required as unit is fully supported from countertop.

LISTED BY UNDERWRITERS LABORATORIES, INC. UNDER THEIR FACTORY INSPECTION AND LABEL SERVICE.

MODELS 165 & 265			SPECIFICATIONS	MODELS 185 & 285		
DEEP	HIGH	WIDE		DEEP	HIGH	WIDE
16 1/4	6 1/2	15 1/2	OVEN COMPARTMENT	16 1/4	7 1/4	15 1/2
16 1/4	3	15 1/2	BROILER COMPARTMENT	16 1/4	3 7/8	15 1/2
19 3/4	16 5/8	21 3/8	OVERALL	19 3/4	18 3/8	21 3/8
		69#	APPROX. SHIPPING WEIGHT	72#		

Specifications, equipment and models subject to change without notice



MAGIC CHEF, INC.

PAN PACIFIC DIVISION 245 North Vineland, City of Industry, Calif. 91746