

Overland
TRADE MARK REG

Models 91—92

Operation
and
Care

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Ope

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CARE OF DUCO FINISH

On all cars with Satin Duco Finish, if a higher gloss is desired, the following instructions will secure satisfactory results:

- (1) Thoroughly wash off all road dust with clean water and dry body surfaces carefully.
- (2) Wax with Simoniz Wax (or a product of equal quality) using soft rags or cheese cloth and rub to a luster.

(Each application of wax and subsequent rubbing operation brings out a higher luster.)

NOTE: To obtain an extremely high polish, after washing and drying, rub surface carefully with Simoniz Kleener (or a product of equal quality) which is an abrasive. This operation smoothes the surfaces quickly and permits a brighter finish when the wax is applied.

CAUTION: Extreme care must be exercised in using this abrasive so as not to cut through the Duco-finished surface to the body metal. In fact, this operation should be done by an experienced painter or by one who is acquainted with Duco finishes.



Operation and Care

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Willys-Overland, Inc.
Toledo, Ohio, U. S. A.

R 629.2872 Ope

Overland operation and care :
model 91-92

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Service Policy and Warranty

THE only warranty under which Overland and Willys-Knight automobiles are sold is that of the manufacturer, which is the standard warranty adopted by the National Automobile Chamber of Commerce, and is as follows:

"We warrant each new motor vehicle manufactured by us to be free from defects in material and workmanship under normal use and service, our obligation under this warranty being limited to making good at our factory any part or parts thereof which shall, within ninety (90) days after delivery of such vehicle to the original purchaser, be returned to us with transportation charges prepaid and which our examination shall disclose to our satisfaction to have been thus defective; this warranty being expressly in lieu of all other warranties expressed or implied, and of all other obligations or liabilities on our part, and we neither assume, nor authorize any other person to assume for us, any other liability in connection with the sale of our vehicles.

"This warranty shall not apply to any vehicle which shall have been repaired or altered outside of our factory in any way so as, in our judgment, to affect its stability or reliability, nor which has been subjected to misuse, negligence or accident.

"We make no warranty whatever in respect to tires, rims, ignition, apparatus, horns or other signaling devices, starting devices, generators, batteries, speedometers or other trade accessories, inasmuch as they are usually warranted separately by their respective manufacturers."

Neither the manufacturer, Willys-Overland, Inc., nor the seller, makes any guaranty against, nor assumes any liability for, any defect in metal or other material in any part, device or trade accessory which cannot be discovered by ordinary factory inspection.

WILLYS-OVERLAND, INCORPORATED

NOTE—The Willys-Overland, Inc., reserves the right at any time or times without notice and without it or the Seller incurring any liability or obligation to the Purchaser to revise, modify, discontinue or change any model or models of Overland or Willys-Knight automobiles, or any part or parts thereof.

Foreword

IN your possession is a motor car that has been thoroughly tested and inspected.

Like any other piece of machinery, to maintain it in first-class condition, you should lubricate it at the times prescribed with the proper grade of oil and grease and keep all working parts and oil holes clean and free from dirt and grit. You should also systematically inspect it for loose nuts and connections.

In the following pages we have set forth the knowledge every owner should have of his car that he may know how to take the best care of it and handle it in such a way that he will get maximum service and pleasure. Read and follow these instructions carefully; we are sure that you will then enjoy the satisfactory operation that you rightfully anticipate.

Should adjustment or repair seem necessary beyond that which we have mentioned, don't experiment; have the work done by a competent repair man. It will always prove best and cheapest in the long run to have the work done by the dealer from whom you purchased your car, as he has your interests at heart and his organization is familiar with Overland construction and adjustments.

Do not attempt any adjustments as long as the car is operating satisfactorily.

Caution

Accept and use only Genuine Willys-Overland Parts

Imitation parts are usually of inferior quality and can do serious damage to other mechanical parts of your car.

Genuine parts are sold by all authorized Willys-Overland dealers. Be sure none other are placed in your car.

Presence of parts other than those made by this Company will void our warranty.

WILLYS-OVERLAND, INC.

Toledo, Ohio, U. S. A.

License and Insurance Data

Serial Number—On left-hand frame member back of front axle.

Engine Number—On left side of cylinder block.

	MODEL 91	MODEL 92
Number of Cylinders.....	4	4
Bore of Engine.....	3½ in.	3½ in.
Stroke of Engine.....	4 in.	4 in.
Displacement.....	153.9 cu. in.	153.9 cu. in.
Horsepower (S. A. E. rating).....	19.6	19.6
Wheelbase.....	100 in.	106 in.
Tread.....	56 in.	56 in.

NOTE: Before serial No. 88295, all Model 91 motors without the prefix 92 before the engine number, had a 3⅜" bore. Horsepower rating 18.23—Displacement 143.1 cubic inches.

Shipping weight:	MODEL 91	MODEL 92
Touring.....	1919 lbs.	2044 lbs.
Roadster.....	1824 lbs.	
Coupe.....	2060 lbs.	
Sedan.....	2205 lbs.	
Coupe-Sedan.....	2202 lbs.	

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CHAPTER ONE

Proper Operation

DRIVING A NEW CAR

A new car should not be driven faster than 25 miles (40 km.) an hour for the first 500 miles (800 km.). If the car is run at top speed while new, the closely-fitted parts become overheated, resulting, perhaps, in scored pistons or cylinders, or burned bearings.

TO MAKE CAR READY

Fill radiator with clean, soft water.

Fill gasoline tank.

Fill oil reservoir through filler or breather pipe at left side of engine until oil indicator registers full. (See "Proper Lubrication," Page 10.)

Supply all parts requiring lubrication with oil or grease as designated.

TO START WITH ELECTRIC STARTER. FIG. 1.

Put gear shift lever in neutral and set hand brake.

Set throttle control lever one-third of the way up the quadrant.

Set spark control lever half way up the quadrant.

Turn ignition key to "on" position.

Depress starter button with foot until engine starts.

If engine fails to start at once close the choke slowly while engine is rotating freely and open partly as soon as it begins to run under its own power.

Set choke, spark and throttle controls at best operating positions as engine warms up. When engine is thoroughly warm, push choke all the way in. Do not run with choke out as this wastes gasoline and fouls the engine.

Never start engine with wide open throttle and fully advanced spark, as damage to starting motor mechanism may result.

TO START ENGINE BY HAND. FIG. 1.

To operate the engine for the first time, or after the car has been standing for several weeks, start it with the hand crank which is included in the tool kit that accompanies the car.

Put gear shift lever in neutral and set hand brake.

Take out spark plugs and pour a quarter of a tea-cup of lubricating oil in each cylinder and turn the engine over by hand ten or twelve times. Replace spark plugs.

Set throttle control lever one-quarter of the way up the quadrant.

Set spark control lever one-third of the way up the quadrant.

Pull out choke, shutting off air supply to cylinders.

Turn ignition key to "on" position.