



REPUBLIC AVIATION CORPORATION
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SERVICE DEPARTMENT

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This is your first issue of Republic SeaBee Service News, which will be published periodically for all Seabee distributors and dealers.

We are anxious to pass on to you, through this medium, all information of SeaBee maintenance, service and operation.

Among the topics planned for publication, you will find:

- * New SeaBee operating instructions in the interests of safety.
- * Latest information on available SeaBee operational equipment.
- * Service Engineering data on airplane structure.
- * Technical data on engine propeller performance.
- * Practical service tips on the engine.
- * The latest aviation trends and regulations as they affect the SeaBee.

In addition to these subjects we need your ideas and shortcuts for exchange with your neighboring distributors and dealers. SeaBee Service News is your publication solely for your assistance. Let us have your criticisms and contributions and we will give you action.

Standard Prop

The standard propeller with which your SeaBee is now equipped is an Aeromatic ground adjustable type manufactured by the Koppers Co., Inc. AS delivered, the blades are adjusted at the angle which provides best takeoff and high speed performance.

The blades of the Aeromatic propeller are of laminated wood construction with a plastic coating that resists mold, water and penetration. Metal leading edges and tips are provided. A positive locking clamp secures the blades in their proper position.

Watch for more information on the effects of changes in blade angle of the Aeromatic propeller on SeaBee performance in a latter issue of SeaBee News.

Controllable-Reversible Prop

Now available as an optional installation on the SeaBee, is a controllable, pitch, fully reversible propeller designed and manufactured by Hartzell Propeller Company. This propeller is recommended for those who desire extra performance plus the pleasure of operation with reversible pitch.

Its controllable pitch affords a wide adjustment for maximum BMEP engine control settings which gives notable advantages in fuel economy,

Controllable-Reversible Prop

speed best climb and long engine life.

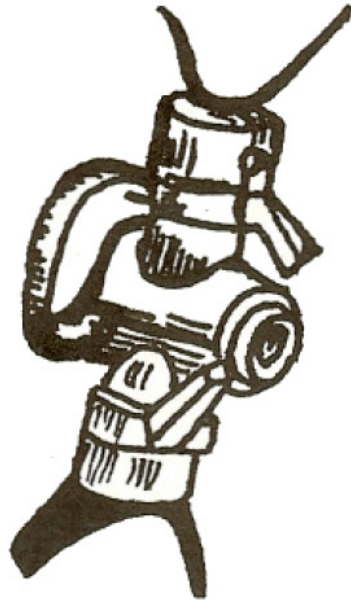
The reversible Pitch texture adds considerable maneuverability for ground and water operations, such as, backing away from a gas pump or easing to a smooth stop at a dock.

The blades of the Hartzell Propellers are plastic bonded type of thin airfoil section, which minimize propeller tip losses. The angle of the pitch of the blade can be changed by a push-pull control located on the pilot's panel.

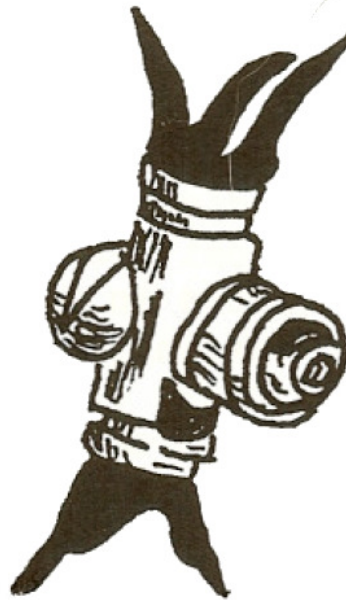
This control which operates a valve admitting pressure to an engine-oil operated piston in the hub, is moved from its neutral position and the selected setting is retained.

Reversible pitch selector, prolonged open throttle operation is prohibited by safety devices provided for permissible high and low power settings.

Just as soon as available you will receive the rpm manifold pressure correlation's for optimum blade settings necessary for operation of the Hartzell propeller installation.



**CONTROLLABLE -
REVERSIBLE
PROP**



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