PRECISION
WHITE INDUSTRIES
BICYCLE COMPONENTS

Manufactured in the U.S.A.

Novato, CA 94949

PRECISION
WHITE INDUSTRIES
BICYCLE COMPONENTS

White Front Hub
White Tracker Hub

PRECISION

WHITE INDUSTRIES

BICYCLE COMPONENTS

White Industries Cassette Hub

SPECIFICATIONS	2
DISASSEMBLY	3
ASSEMBLY	6
INSTALLATION	7
MAINTENANCE	8
WARRANTY	9

Congratulations on your purchase of a **White Industries Titanium Front Hub**, or **Tracker Front Hub**. Your hubs have been shipped fully assembled and adjusted. Prior to installing the hubs, your fork dropouts must be aligned. This will ensure maximum durability and performance from your hub.

CAUTION

Since this is a custom hub, it must be custom adjusted to the bicycle on which it will be used. This adjustment requires some special preparation which is described in the installation section of this manual.

WARNING

This hub is designed to be secured to the bicycle frame with a quick-release mechanism of the user's choice. White Industries accepts no responsibility or liability for damage or injury caused by incorrect use or failure of the quick-release mechanism used with the hub.

SPECIFICATIONS

MODEL:

White Titanium Front Hub / White Tracker Front Hub

MATERIALS:

Hub Shell: 6061 Aluminum
Axle: 6AL 4V Titanium (Front Hub) 4130 CRO-MO (Tracker)
Axle ends: 6061 Aluminum
Axle collar: 6061 Aluminum
Bearings: (2) 6903 Precision Sealed Cartridge (Tracker)
Bearings: (2) 6901 Precision Sealed Cartridge (Front)

AVAILABLE SPOKE DRILLINGS:

28, 32, 36 hole

DIMENSIONS:

Flange Diameter: 34 mm Front Ti
Flange Diameter: 40 mm Tracker
Center to Flange: 35.5 mm Both
Dropout Width: 100 mm

WEIGHT:

96 grams, Front Titanium
147 grams, Front Tracker

DISASSEMBLY

1. Undo the two set screws by inserting a 2mm Allen wrench through the access hole in the edge of the hub (Fig. A).

2. Next, the axle extension must be removed from the axle. Do not do this by directly clamping down on the axle extension. The end of the axle extension has been threaded. Insert a screw of the proper size (6 mm threads) and pull on the screw to remove the axle extension.

3. Finally, push the exposed axle (on set screw side) towards the non-set screw side of the hub. The collar will slide off the axle exposing the bearing in the hub. At this point pull on the press in axle end (non set screw side) and remove the axle.

White Front Hub or Tracker

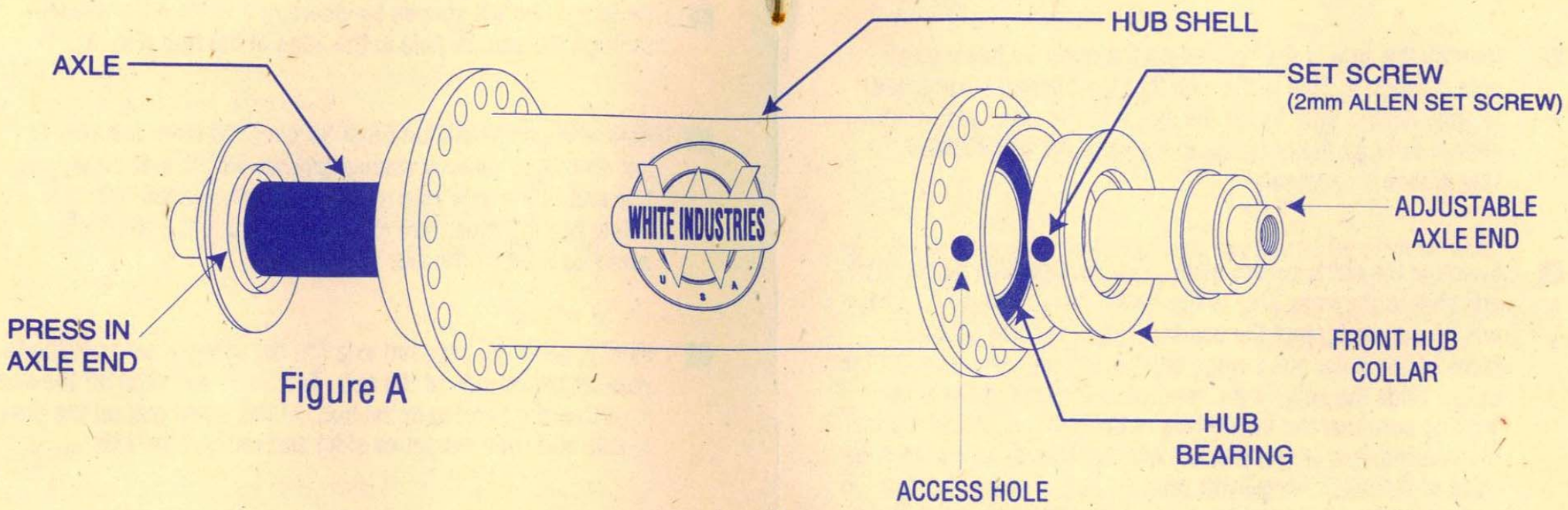


Figure A

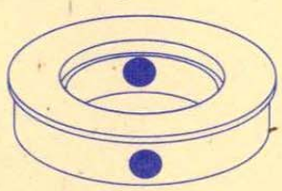


Figure B

ASSEMBLING FRONT HUB OR TRACKER

1. Identify the side of the hub where the outer lip has a small hole through it. This is the side that the bearing is recessed slightly deeper into. Insert the axle into the other side, and slide it through the bearings in the hub. ***DO NOT FORCE!*** Use grease if necessary.

2. Examine the collar before using (Fig. B). One side has a ridge adjacent to the hole. This is the inside face of the collar and will be placed against the bearing. the other side (outside-face) of the collar has a ridge adjacent to the outer edge of the collar. Slide the collar over the protruding end of the axle, making sure that the inside face of the collar is placed against the bearing. A properly placed collar will have the visible outer edge of the collar lying flush with the hub (Fig. B). Tighten the two set screws by inserting a 2mm Allen wrench through the access hole in the edge of the hub.

CAUTION
Do not over tighten set screws.

INSTALLATION

1. **Build up**, or have a bike shop build you a wheel using a White Industries Front Ti or Tracker hub.

CAUTION
Bicycle wheel building is a specialized skill which requires training, knowledge,experience, and special tools, and is best left to professional wheel builders.

2. **Make sure your fork dropouts are perfectly aligned and correctly spaced**. The best way to do this is by using dropout alignment tools. If you do not have these tools, take the bicycle to a bicycle shop and have a professional mechanic do it for you.

3. **Install a suitable quick-release skewer** according to it's manufacturer's instructions. The quick-release lever should be on the left (non-drive) side.

4. **Place the wheel into the fork dropouts** and lock it into place with the quick-release according to their instructions.

5. **Periodically check** to make sure that the axle collar set screws are tight.

MAINTENANCE

We use the very best shielded, sealed precision bearings available. However, as is true of ***all*** bearings, water, sand, and dust can contaminate them under some hard-use conditions; and even the high-quality grease we specify can break down over time. That is why, like all White Industries products, the Front Ti Hub and the Tracker Front Hub are made to be easily serviced by a reasonably competent bicycle mechanic.However, because this hub is an expensive piece of precision equipment, it is not a good idea to try to use it for learning mechanical skills.

RELUBRICATE BEARINGS

Use a pin or a razor blade to carefully remove the plastic seal from the bearings. Clean the bearings with solvent and dry them. Relubricate them with high quality bearing grease and carefully reinstall the plastic seals.

WARRANTY

- **Bearings** are warrantied for three 60 days only.
- **Parts** are warrantied against manufacturers defects for one year.
- **Hub repai**r service available for a flat fee.