Installation Instructions
Meade Equatorial Wedge
For Use With Meade Field Tripods

The Meade 8" Equatorial Wedge is for use with Meade 8" SC/ACF telescopes such as the LX90 & LX200 series. When used with the Meade LX90 series telescope, the Meade #07389 adapter plate is required for mounting the telescope to the wedge.

NOTE: This wedge is not designed to support telescope models larger than 8 inches.

The Meade 8" Equatorial Wedge attaches directly to Meade field tripods and permits the telescope to be used in an equatorial or "polar" mode. This "polar" mode configuration is ideal when using the telescope for astrophotography.

CAUTION: Always securely attach the Equatorial Wedge to the field tripod before attaching the telescope. A telescope placed onto the wedge alone, without the field tripod attached, may become seriously unbalanced and tip over.

ASSEMBLING THE EQUATORIAL WEDGE

The wedge consists of two basic parts: the wedge body and the tilt-plate, as shown in **Fig. 1**.

1. Thread the two remaining M6 knobs with washers through the curved opening on each side of the wedge body and into the lower end of the tilt plate (3, Fig. 1).

2. The latitude scale (4, Fig. 1) is located on the side of the wedge body. Loosen all four of the M6 knobs (2 & 3, Fig. 1) and move the tilt plate to the latitude number that corresponds with your observing location's latitude and re-tighten the knobs.

3. Thread the long latitude adjustment screw (2, Fig. 2) into the center cross bar until it makes contact with the back of the tilt plate as shown.

4. When you wish to further fine tune your latitude setting, such as during the night sky alignment procedure, first lightly loosen the four M6 lock knobs (3, Fig 1.). Then turn the latitude adjustment screw (2, Fig 2.) until the correct latitude setting is reached. Re-tighten the M6 lock knobs until firm.

5. **NOTE**: See your telescopes instruction manual for information about performing the necessary telescope polar alignment on the night sky.

ATTACH THE WEDGE TO THE TRIPOD

1. Attach the wedge onto the field tripod by fitting the central threaded rod of the tripod through the wedge center hole (6, Fig. 1) and hold the wedge in place with one hand.

2. Thread the 3" diameter manual knob (1, Fig. 3) onto the tripod threaded rod and loosely tighten.

3. Rotate the wedge body so it aligns with the two threaded holes located on the side of the tripod head. See Figure 4.

4. For extra stability thread the three supplied 5/16" button head screws and washers thru the slotted openings (2, Fig. 3) on the wedge floor and into the tripod head. Leave these loose for now.

INSTALLING THE AZIMUTH CONTROL

The azimuth control assembly for the Meade Equatorial Wedge allows fine horizontal adjustment to the wedge position when aligning it on the night sky. The azimuth control assembly includes the following parts:

- One azimuth base (large U shaped piece of aluminum)
- Two azimuth adjustment knobs
- Two 8-32 x 1/2" flat-head machine screws
- Two 8-32 x 1" round-head machine screws
- One 9.5mm aluminum spacer block
- One 19mm aluminum spacer block
- One azimuth arm (t-shaped aluminum piece)

1. Select the 9.5mm or 19mm aluminum spacer block that when installed will sit flush with the edge of the tripod head. Place the spacer block against the wedge body and line up with the screw holes as shown in Fig 4.

(1) Tilt-Plate

(2) Top Wedge M6 Knob

(3) Latitude Lock M6 Knob

(4) Latitude Scale

(5) Wedge Body

(6) Center Hole

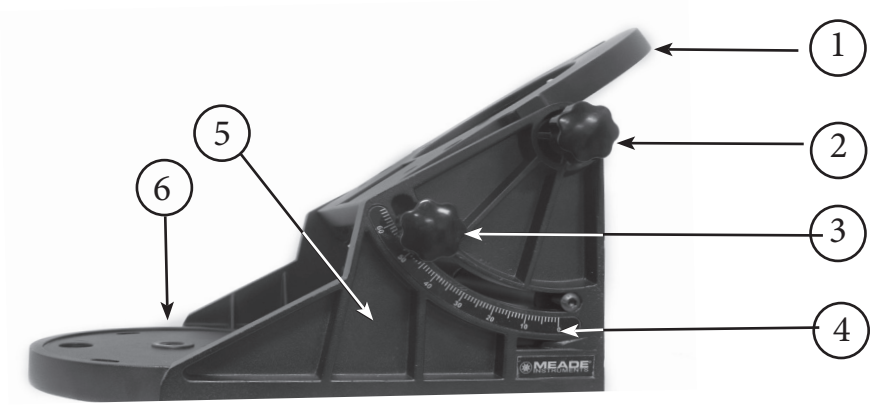

Fig. 1: Equatorial Wedge

2. Attach the azimuth arm with the spacer block (1, Fig. 4) to the wedge body using the two 8-32 x 1/2" flat-head machine screws (2, Fig 4).

3. Attach the azimuth base (1, Fig. 5) to the tripod using the two 8-32 x 1" round-head machine screws (2, Fig 5).

4. Thread the two azimuth adjustment knobs (3, Fig. 5) into the azimuth base, until they just touch the azimuth arm (4, Fig. 5).

USING THE AZIMUTH CONTROL

1. To adjust the wedge in azimuth, slightly loosen the 3" central manual knob and three 5/16" button head screws on the wedge floor. **NOTE: Never adjust the azimuth controls when the 3" central manual knob or three 5/16" button head screws are tight. Damage to the wedge or hardware may occur.**

2. Rotate the wedge by using the two azimuth knobs(3, Fig 5) in a push-pull manner.

3. After positioning the wedge, tighten the central manual knob and three 5/16" button head screws until firm.

MEADE CUSTOMER SERVICE

If you have a question concerning your Meade Wedge, contact the Meade Instruments Customer Service Department at: **Telephone: (800) 626-3233 or Email: customerservice@meade.com**

Customer Service hours are 7:00 AM to 4:00 PM, Pacific Time, Monday through Friday. In the unlikely event that your Meade Wedge requires factory servicing or repairs, write or call the Meade Customer Service Department first, before returning the telescope to the factory, giving full particulars as to the nature of the problem, as well as your name, address, and daytime telephone number. The great majority of servicing issues can be resolved by telephone, avoiding return of the telescope to the factory. If factory service is required, you will be assigned a Return Goods Authorization (RGA) number prior to return.

MEADE LIMITED WARRANTY

Every Meade telescope, spotting scope, and telescope accessory is warranted by Meade Instruments Corporation ("Meade") to be free of defects in materials and workmanship for a period of ONE YEAR from the date of original purchase in the U.S.A. and Canada. Meade will repair or replace a product, or part thereof, found by Meade to be defective, provided the defective part is returned to Meade, freight-prepaid, with proof of purchase. This warranty applies to the original purchaser only and is non-transferable. Meade products purchased outside North America are not included in this warranty, but are covered under separate warranties issued by Meade international distributors.

RGA Number Required: Prior to the return of any product or part, a Return Goods Authorization (RGA) number must be obtained from Meade by writing, or calling (800) 626-3233. Each returned part or product must include a written statement detailing the nature of the claimed defect, as well as the owner's name, address, and phone number.

This warranty is not valid in cases where the product has been abused or mishandled, where unauthorized repairs have been attempted or performed, or where depreciation of the product is due to normal wear-and-tear. Meade specifically disclaims special, indirect, or consequential damages or lost profit which may result from a breach of this warranty. Any implied warranties which cannot be disclaimed are hereby limited to a term of one year from the date of original retail purchase. This warranty gives you specific rights. You may have other rights which vary from state to state. Meade reserves the right to change product specifications or to discontinue products without notice.

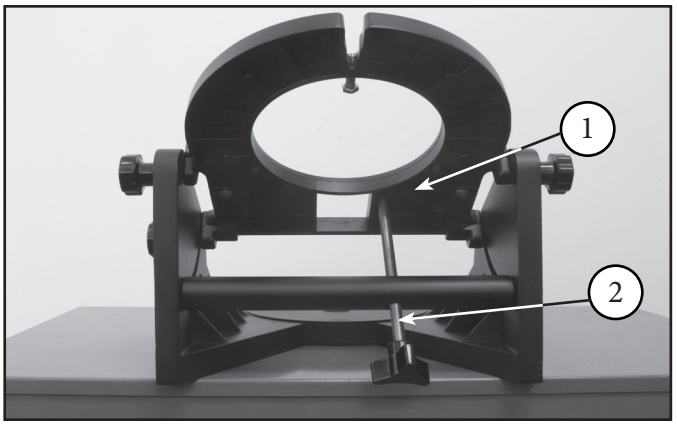

Fig. 2: Thread Latitude Adjustment Screw

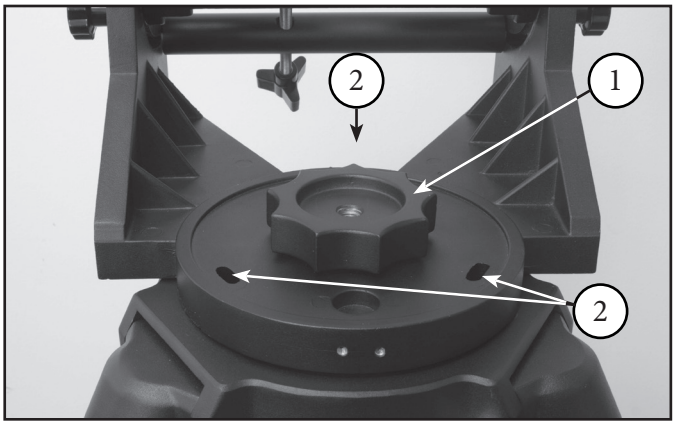

Fig. 3: Attach to Tripod

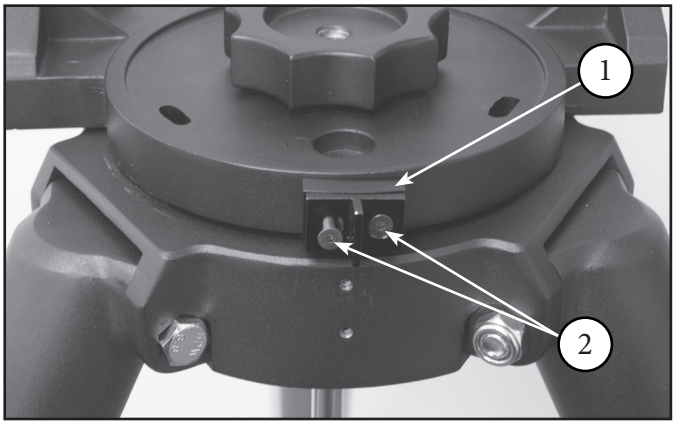

Fig. 4: Attach Azimuth Arm

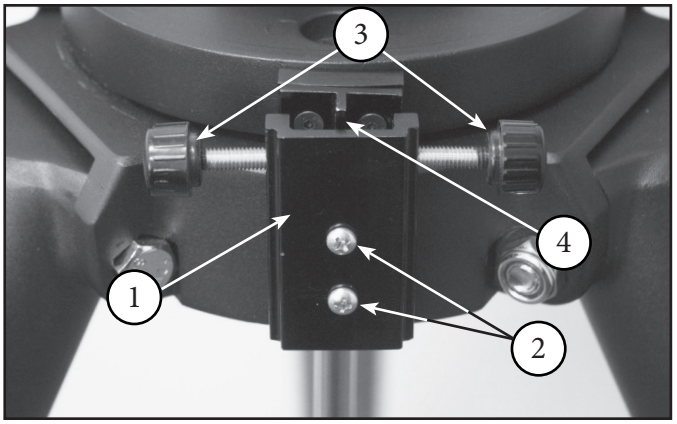

Fig. 5: Attach Azimuth Base

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