

Secure gaiter with tie wrap.

Put security device on and lock. If the cover is difficult to put on or lock/unlock then you need to reposition the locking plates. Loosen front bolt and the plates can now move laterally. Re-tighten bolts to correct torque and check if safety cover now fits.

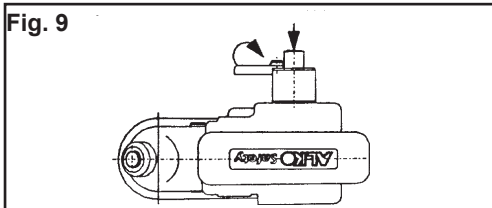
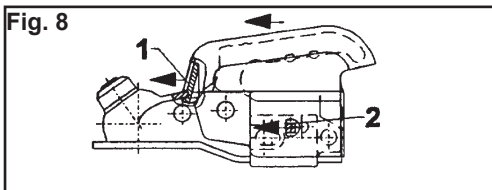
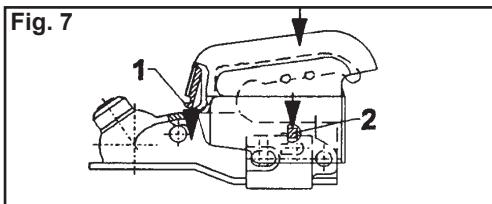
2. OPERATING INSTRUCTIONS:

Insert left and right lugs of safety cover into cutaway portion of the attached locking plates (Fig. 7/Item 2).

Push security device firmly forward until it can go no further (Fig. 8/Item 1).

Hold security device in place, turn key to the right and press the lock cylinder in, until it clicks into place (Fig. 9). Turn the key to the left into the locked position. The strain bolt then moves out and locks.

Swing the dust cap over the lock cylinder to protect from dirt (Fig. 9).



Removing Security Cover (reverse order to fitting cover):

Open dust cap.

Insert key and turn to the right, as far as it will go (about 60°). As a result the lock cylinder will slide up automatically. If necessary, press the safety cover forward and pull out the lock cylinder with the key (turned about 60°).

Pull security device back.

Remove security device and stow in vehicle or caravan. So that the dust cap is not damaged during transit, remove key (inserting lock) and swing dust cap over the lock cylinder.

Important Information:

Never attempt to fix or remove the security device with the aid of a hammer - this may result in damage to the cover.

3. MAINTENANCE

Clean strain bolt, locking bolts and the cutaway portion in the locking plates if they become dirty. A little grease may be applied but remove excess with a cloth so that only a thin film remains.

Operate the locking cylinder periodically, if the cover has not been used for a while. If the lock only operates with difficulty, spray the cylinder with WD 40 (or similar).

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AL-KO Kober Ltd
South Warwickshire Business Park
Kineton Road
Southam
Warwickshire, CV47 0AL
01926 818500 01926 818562
www.al-ko.co.uk

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ASSEMBLY AND OPERATING INSTRUCTIONS FOR AL-KO SECURITY DEVICE FOR AK160/300 COUPLINGS & AKS 1300 STABILISER.

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PLEASE ENSURE YOU READ THESE INSTRUCTIONS CAREFULLY, BEFORE COMMENCING TO OPERATE THIS PRODUCT.

GENERAL:

1) The AL-KO Security (Hitch Lock) Device is effective against the following unauthorized operations:

- a) Uncoupling from the towing vehicle
- b) Coupling onto another towing vehicle
- c) Theft of the Coupling/Stabiliser from the trailer/caravan.

2) AL-KO recommends the use of the AL-KO Safety Ball to complement the AL-KO Security. The Safety ball is inserted into the coupling area of the Stabiliser, before the AL-KO Safety is locked into position (Fig. 1). This prevents your caravan from being coupled to any other tow hook or smaller towball and being towed away. The AL-KO Safety Ball is available from most Caravan Shops or if this Safety Device was purchased via AL-KO'S direct Mail Order Service*, the Safety Ball is provided with the kit.

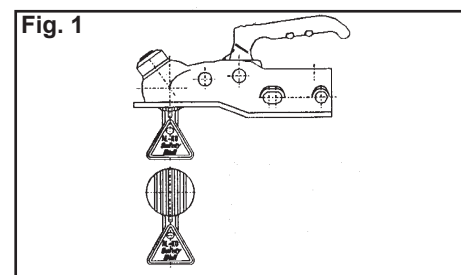
APPROVAL:

1) This product holds full TUV approval and is also Sold Secure Approved.

WARRANTY:

1) Product warranty is given in accordance with S10, Clause 1-7 of the General Terms of Business and is usually 12 months from date of purchase.

* Please note - the Safety Ball is only included with kits purchased direct from AL-KO's main factory - if this item is purchased from a caravan dealer then the Safety Ball is an additional item.



Please Note:

All diagrams shown in this booklet represent AK160/300 couplings but assembly procedure for AKS 1300 Stabiliser is identical.

1. ASSEMBLY INSTRUCTIONS

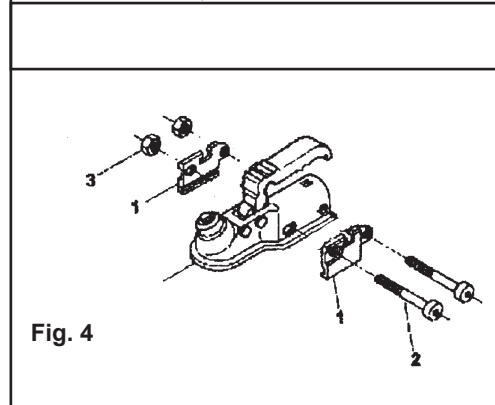
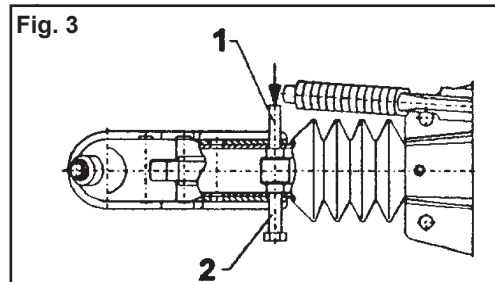
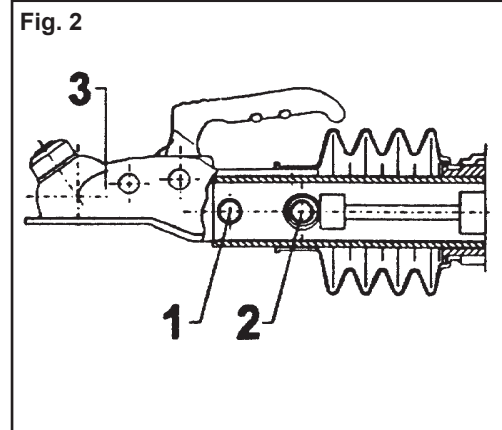
Removal of existing fixing bolts:

Before you start to remove the existing fixing bolts, please note the following: On most overrun assemblies, the shock absorber is secured by the fixing bolt (Fig. 2/Item 2).

Warning:

The shock absorber (damper) extends independently. Enclosed with this box is a retaining pin (Fig. 3/Item 1) to aid assembly.

- Remove gaiter
- Loosen self-locking nut from hexagon cap bolt (Figs. 2/3, Items 1/2)
- Push or knock out hex. cap bolt (Fig. 2/Item 1)
- Knock through retaining pin (Fig. 3/2) with (Fig. 3/Item 1) and leave the pin in the shaft for centring the shock absorber (damper).
- Any spacers originally fitted must be re-used.



Fitting of AL-KO Security Device

Horizontal Bolt Fitting: (for AL-KO Overruns)

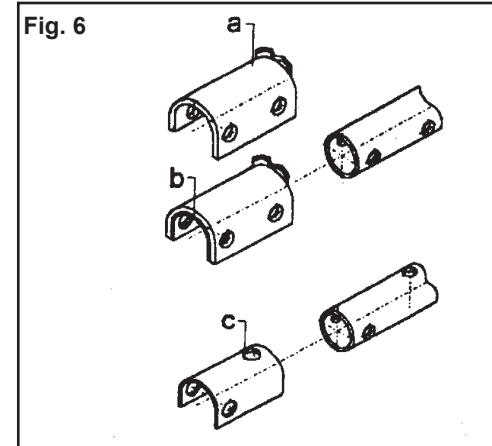
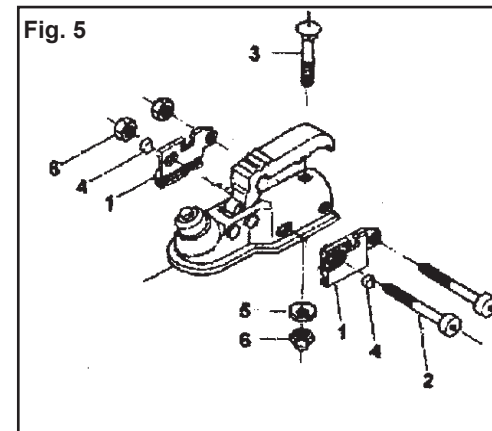
Parts configuration as Fig. 4

- Item**
- Locking plates left/right
 - Inner Hex. Bolt M12 8.8 with flat head to DIN 7984
 - Self locking nut M12

Cross-type Bolt Fitting: (for other overruns)

Parts configuration as Fig. 5

- Item**
- Locking plates left/right
 - Inner Hex. Bolt M12 8.8 with flat head to DIN 7984
 - Dome Head Bolt M12 8.8
 - Half moon shaped fixing lugs
 - Section washer (not included in this kit)
- please use original washer from coupling head you are removing
 - Self locking nut M12



Procedure:

Push Gaiter onto the drawshaft followed by the AK160/300 coupling or AKS 1300 stabiliser with spacers (Fig. 6) if necessary, so that the fixing holes line up. If present, position the spacer sleeve in the draw shaft.

Fit parts as shown on figs. 4 or 5. If a spacer sleeve is in the draw shaft, thread this on as well. Push retaining pin (Fig. 3/Item 1) through (with the bolt behind - horizontal or vertical). Shock absorber (damper), is threaded on.

For your own safety, please check:

To make sure the shock absorber (damper) is threaded on, push the draw shaft in and out. If you can feel resistance, then it is correctly positioned.

Always insert horizontal bolts as shown in Figs. 4/5 ie from right to left (when facing caravan) as this allows correct clearances. Always insert vertical bolt from top to bottom and re-use original shim used on the overrun

With cross-type bolt fixing, do not forget to insert half moon shaped plates (Fig. 5/Item 4) and section washer (Fig. 5/Item 5).

For horizontal bolts, tighten with Allen Key (size 8), as the nuts are fixed and cannot be moved.

For vertical bolt: tighten nut and torque as follows:

Overrun Type	Torque Setting
AL-KO 30S	60 Nm
AL-KO 60S-60S/2	60 Nm
AL-KO 90S-90S/3	70 Nm
Other overruns with M12 (8.8) Bolts	86 Nm