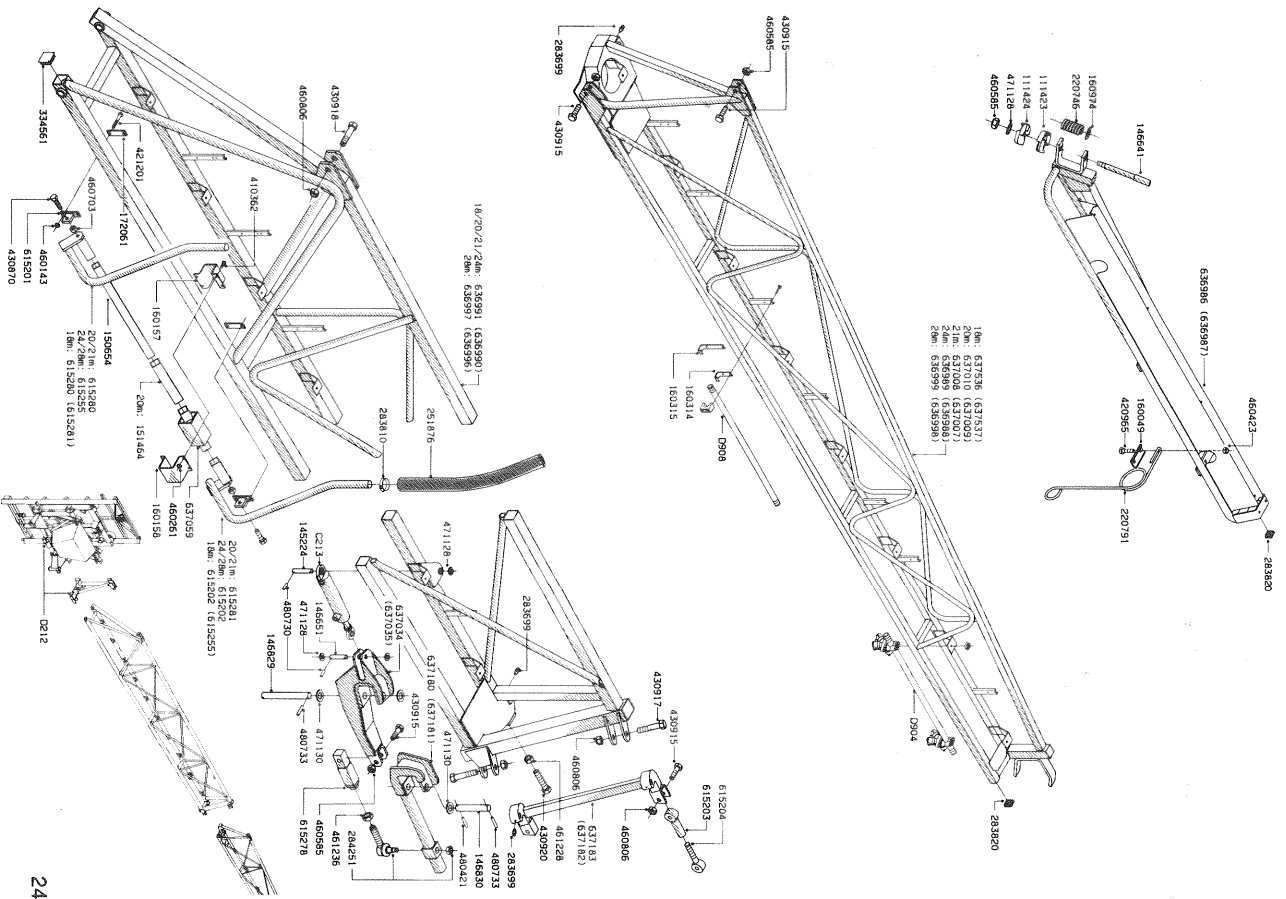


TY/TZ Supplement



OLH 18/20/21/24/28M

D308

24-10-94

678027-GB-94/12



EC Declaration of Conformity

Manufacturer,
HARDI INTERNATIONAL A/S
Helgeshøj Allé
DK 2630 Taastrup
DENMARK

Importer,

declare that the following product;

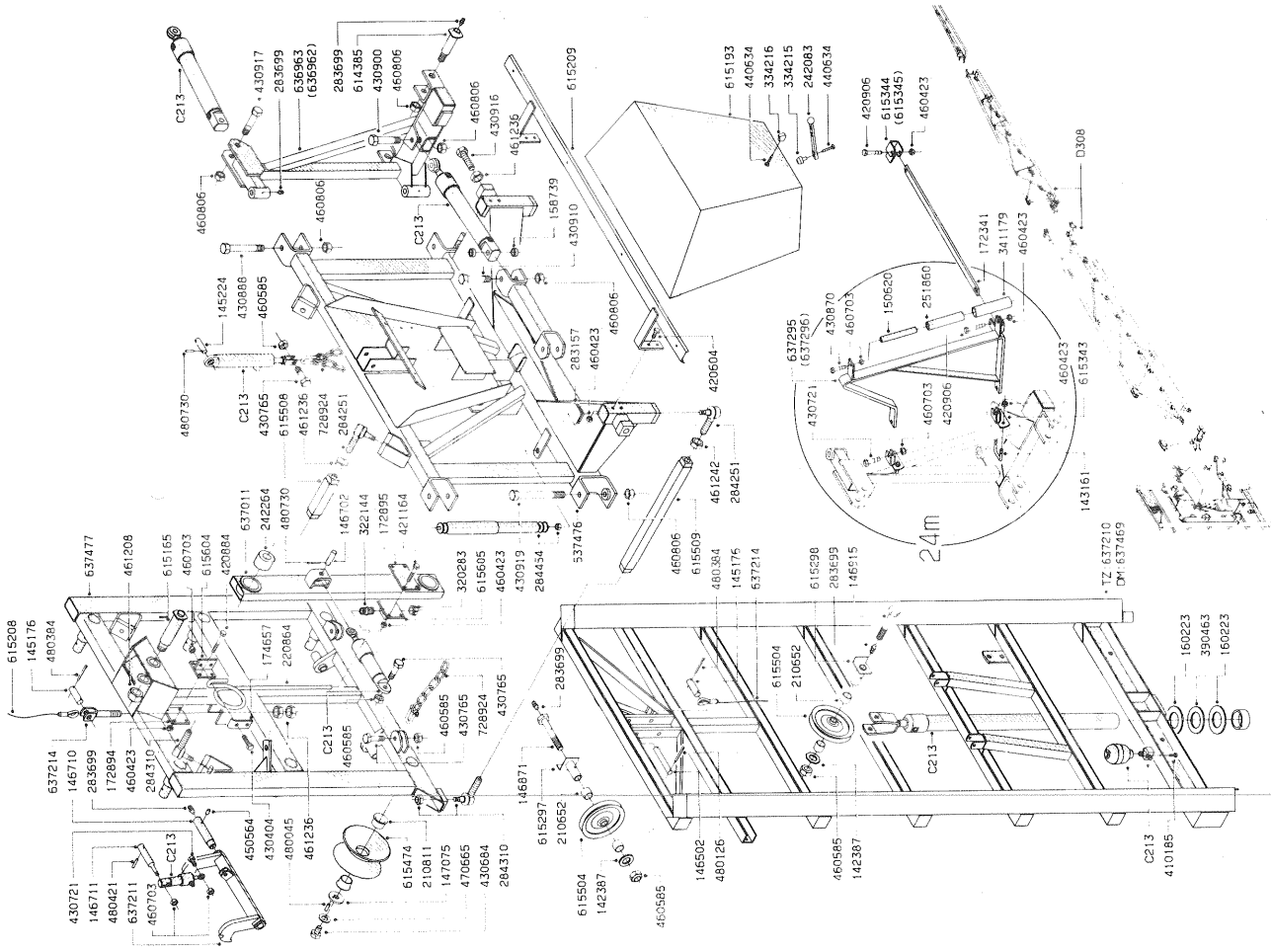
Adhere extra shipping package labels to inside cover.

A. was manufactured in conformity with the provisions in the COUNCIL DIRECTIVE of 14 June 1989 on mutual approximation of the laws of the Member States on the safety of machines (89/392/EEC as amended by directives 91/368/EEC and 93/368/EEC) with special reference to Annex 1 of the Directive on essential safety and health requirements in relation to the construction and manufacture of machines.

B. was manufactured in conformity with the standards current at that time that implements a harmonised standard in accordance with Article 5 (2) and other relevant standards.

Taastrup 1.9.94

Jørgen Hartvig Jensen
Managing Director
HARDI INTERNATIONAL A/S



OLH boom lift

















24-10-94

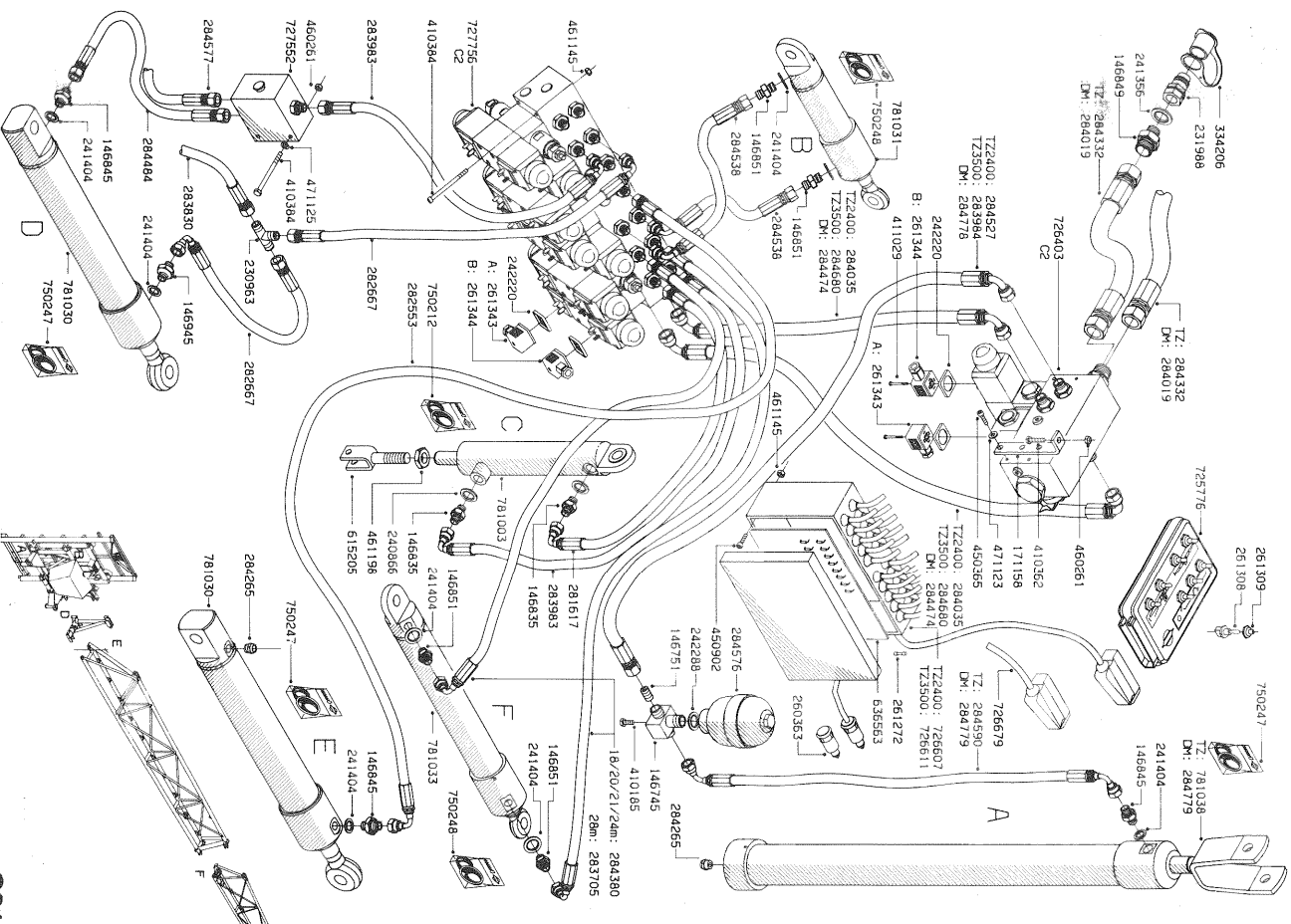
D212

Operator safety

Watch for his symbol . It means **WARNING**, **CAUTION**,

NOTE. Your safety is involved so be alert! Note the following recommended precautions and safe operating practices.

-  Read and understand this instruction book before using the equipment. It is equally important that other operators of this equipment read and understand this book.
-  Pressure test with clean water prior to filling with chemicals.
-  Wear protective clothing.
-  Rinse and wash equipment after use and before servicing.
-  Depressurize equipment after use and before servicing.
-  Never service or repair the equipment whilst it is operating.
-  Disconnect electrical power before servicing.
-  Always replace all safety devices or shields immediately after servicing.
-  If an arc welder is used on the equipment or anything connected to the equipment, disconnect power leads before welding. Remove all inflammable or explosive material from the area.
-  Do not eat, drink or smoke whilst spraying or working with contaminated equipment.
-  Wash and change clothes after spraying.
-  Wash tools if they have become contaminated.
-  In case of poisoning, seek doctor or ambulance. Remember to identify chemicals used.
-  Keep children away from the equipment.
-  Do not attempt to enter the tank.
-  If any portion of this instruction book remains unclear after reading it, contact your **HARDI** dealer for further explanation before using the equipment.



“DAH”™ TZ/DM-OLH 18/20/21/24/28m

24-10-94

C213



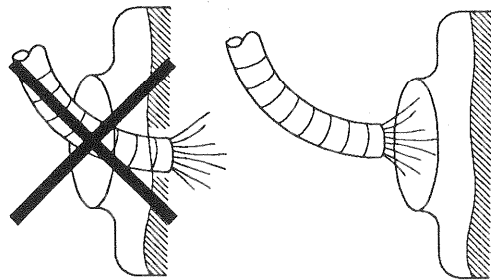


Description

The HARDI trailed sprayer is for the application of crop protection chemicals and liquid fertilizers.

Filling the main tank

Water is filled into the tank by removing the tank lid located on top side of sprayer tank. It is recommended to use as clean water as possible for spraying purposes. Always fill water through the strainer basket to prevent foreign particles from entering the tank. An overhead tank can be used in order to obtain high filling capacity.



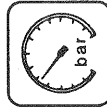
WARNING: Do not let the filling hose enter the tank. Keep it outside the tank, pointing towards the filling hole.

If the hose is lead into the tank and the water pressure drops at the water supply plant, chemicals may be syphoned back and contaminate the water supply lines, plant and well.



Filling the rinsing tank (if fitted)

Remove the tank lid, fill with clean water and replace lid.



Recommended tyre pressure

The tyres must not run under-inflated. This will reduce the stability of the sprayer and increase the wear of the tyres.

Tyre sizes	Max. pressure, bar at 10 km/h	Min. pressure, bar at 10/km/h	Min. pressure, bar at 40 km/h	Min. load index A8/A2	
9.5x36	4.4	3.6	2.0	2.6	120/133
9.5x44	4.4	3.6	2.4	3.1	127/141
9.5x48	4.4	3.6	2.8	3.6	133/147
11.2x44	4.4	3.6	2.0	2.4	127/141
11.2x48	4.4	3.6	2.2	3.0	133/147
12.4x46	4.4	3.6	2.0	2.6	133/147

When changing tyres, take care that the tyres can carry the trailer with full load.

NOTE: Some liquids may have other specific gravities, e.g. liquid fertilizer.

Packaging information

Materials used for packaging are environmentally compatible. They can be safely deposited or they can be burnt in an incinerator.

Recycling

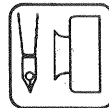
Cardboard: can be recycled up to 99% and therefore should be put into the waste collection system.
Polyethylene: can be recycled.

Materials and recycling

Tank	HDPE
Hoses	PVC
Valves	mainly glass-filled PA.
Fittings	PA

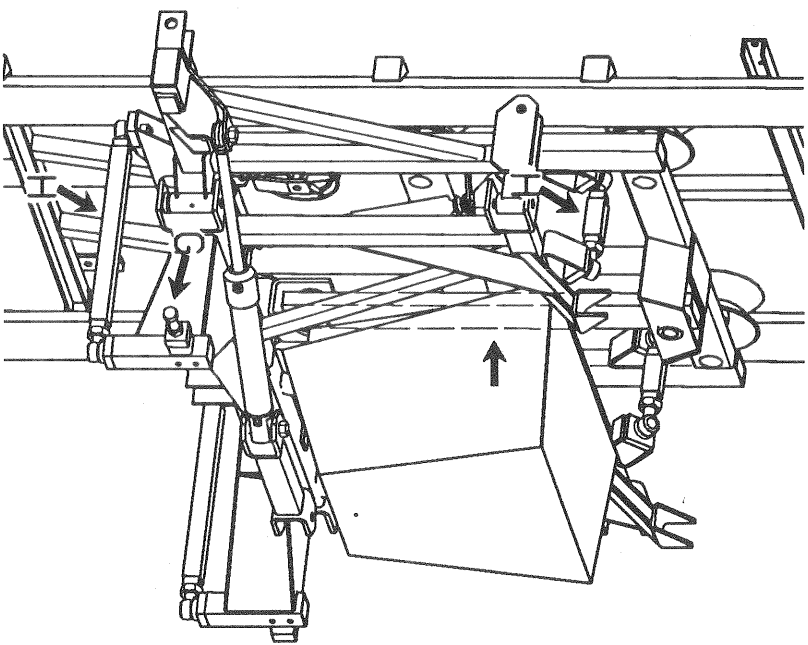
Disposal of the sprayer

When the equipment has completed its working life, it must be thoroughly cleaned. The tank, hose and synthetic fittings can be incinerated at an authorized disposal plant. The metallic parts can be scrapped. Always follow local legislation regarding disposal.





B. Adjustment of inner sections



1. The boom is unfolded to working position.
2. Adjust central/intermediate sections on screw **G**. Do not forget to tighten counter nut.

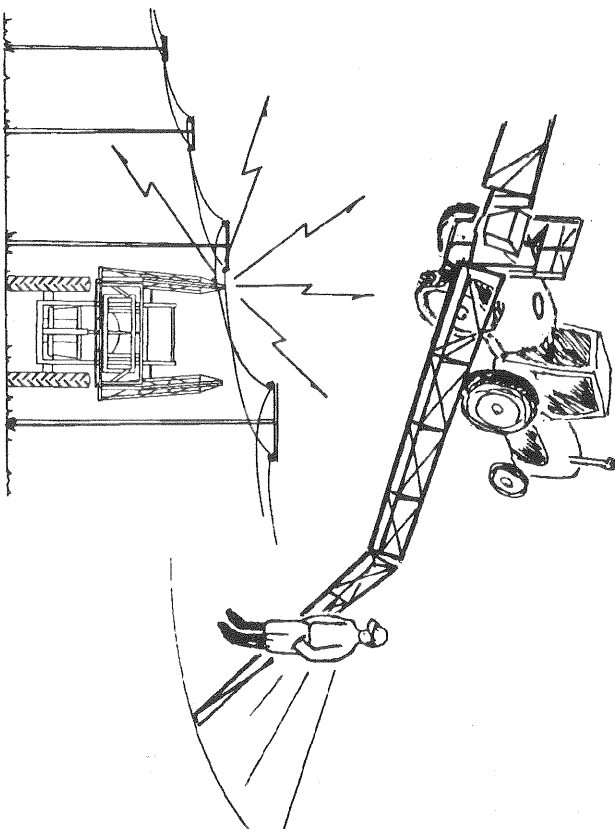
C. Adjustment of pendulum suspension.

1. The boom is unfolded to working position.
2. Remove the 4 stabilization rods by dismantling the guiding cones **H**.
3. When the boom is free, adjust the length on the parallel arms and fit the guiding cones.

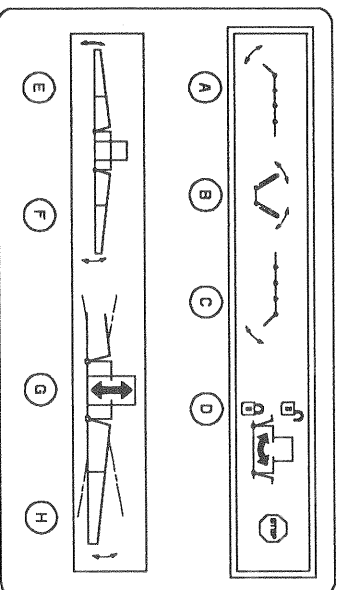
D. Breakaway (claw clutch)

The function of the breakaway is to minimize the risk of boom damage if you should hit an obstacle or the boom touches the ground. The claw clutch cannot be adjusted but must be well lubricated (see section on Lubrication).

DANGER: When folding and unfolding the boom, be sure that no persons or objects are in the rotating field of the boom and that the boom cannot touch any electrical conductors.



OLH boom operation



- A. Unfolding/folding of left outer section
- B. Unfolding/folding of inner sections
- C. Unfolding/folding of right outer section
- D. Pendulum lock
- E. Tilting of left side
- F. Tilting of right side
- G. Raising and lowering of the boom
- H. Stanting of the boom





Unfolding of the boom

1. Push switch **G** upwards to lift the boom from the rear transport bracket.

CAUTION: Ensure that the boom is clear of the transport brackets before unfolding.

2. Push switch **E** and **F** upwards in order to ensure that the boom sections are clear of the front transport bracket.
3. Push switch **B** upwards to unfold the inner sections.
4. Push switch **A** and **C** upwards to unfold the outer sections.
5. Push switch **G** downwards to lower the boom to correct working height, approx. 50 cm above the crop or the soil.
6. Push switch **D** downwards so that the pendulum can move freely.

NOTE: The 3 upper functions (folding/unfolding) in the red square with the **STOP** sign must only be operated when the sprayer does not move. If not, the boom will be damaged.

Folding of the boom

1. Lock the pendulum by pushing switch **D** upwards.
2. Raise the boom by pushing switch **G** upwards.
3. Check that the trapeze suspension is in a horizontal position - otherwise adjust by activating switch **H**.
4. Fold the outer sections by pushing switch **A** and **C** downwards.
5. Raise right and left boom sections by pushing switch **E** and **F** downwards.
6. Fold the inner sections by pushing switch **B** upwards.
7. Lower the boom by pushing switch **G** downwards, until the boom rests in the rear transport brackets.
8. Lower right and left sections until they rest in the front transport brackets by pushing switch **E** and **F** downwards.

Adjustment of end-stop valve (28 MHY only)

Intermediate/outer sections are unfolded simultaneously. When folding the boom it is very important that the outer sections are folded before the intermediate sections.

Fig. 1: Adjustment is done by means of screw **A**. Tighten counter nut **B**.

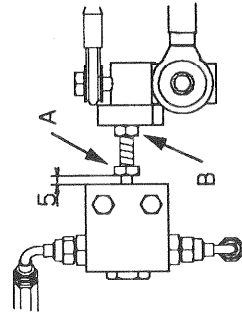
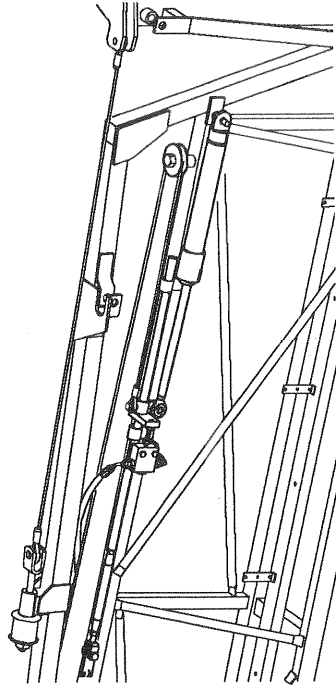


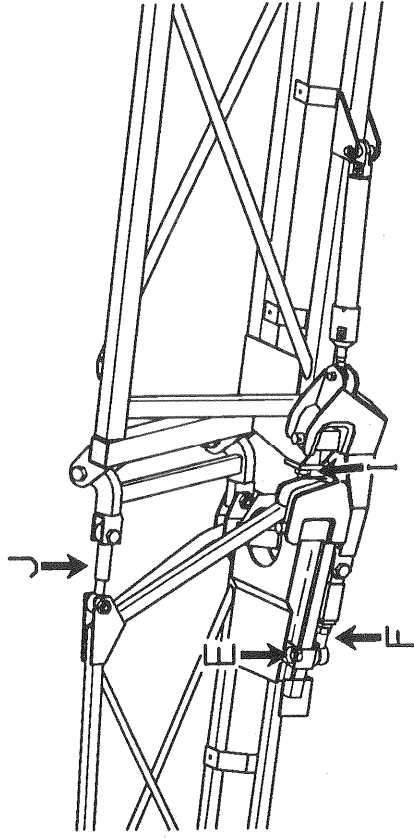
Fig. 1



OLH only

When final adjustment of the boom takes place, the boom must be in working position and the sprayer placed on horizontal ground.

A. Adjustment of outer sections.



1. The boom is unfolded to working position.
2. Remove bolt **E** from the parallel arm.
3. Adjust intermediate/outer sections on adjustment screw **I**.
4. Adjust intermediate/outer sections on adjustment screw **J**.
5. Adjust the length on the parallel arm **F** until bolt **E** can be re-fitted.
6. Do not forget to tighten all counter nuts.

