

Blocked Head Monitor

A702 1.1



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Operation

The KEE blocked head monitor is designed to monitor Flow and no Flow conditions (blocks). It uses an infrared sensing method which monitors the flow of product in the head where it is fitted without restricting the actual flow of a product. The sensor is fitted in the longest secondary drop tube where it can also monitor the primary hoses at the same time by sensing no flow if that section is blocked.

KEE has been using this type of sensing for the past 16 years in the Air Seeder Computer where it has proven very reliable but the need was seen to introduce the Blocked Head Monitor as a stand alone unit to meet customer demands.

The Blocked Head Monitor has a new Smart Block Head detection circuitry incorporated which allows the farmer to easily locate the head that is blocked.

Light and Switch functions

ALL OK	-	No Blockage
BLOCK	-	Head Blocked (Alarm will sound)
POWER	-	On/Off. (Green light Indicates Power On)
RESET/LOCATE BLOCK	-	Switch down to locate block, the LED's on the offending sensors will light up, once block has been located and cleared, reset unit simply by pushing the switch up.
ALARM	-	Alarm can be muted by pushing switch to the up position.

Fitting

Control Box

Part No. A411

Control Box Complete with 1.5 mtr. attached sensor harness and 3.5 mtr. Power Cables. Fit into the cabin that is suitable to the operator in easy reach so that the functions can be operated.

WIRING

Power Positive 12 volt system only.

There are 3 harnesses provided with this kit.

- (1) Part No. H072. Tractor Harness
- (2) Part No. H071. Hopper Extension.
- (3) Part No. H069. Implement Harness

POWER LEADS SHOULD NOT BE CONNECTED DIRECTLY TO THE BATTERY.

Tractor Harness

Run the wiring out through the cabin ensuring that it is not going to be pinched or strained usually along the existing wiring harness or hydraulic lines ie up every 40cm using ties provided.

Hopper Harness

For fitting to units with tow between hoppers.

Run the harness along the hydraulic lines avoid moving parts and tie every 40cm.

Implement Harness

The Implement harness should be laid out along the machine up to where the first sensor is to be placed.

Run harness along the hydraulic lines where possible to avoid being caught in moving sections tie every 40cm.

Head Block Sensors

Sensors are supplied complete with 3 or 5 mtr. Hook-ups for daisy chaining them together in a party line system. (Ref. Diagram)

The sensor is fitted in the longest secondary drop tube as near as possible to the head to be monitored with the LED facing up to identify which head is blocked.

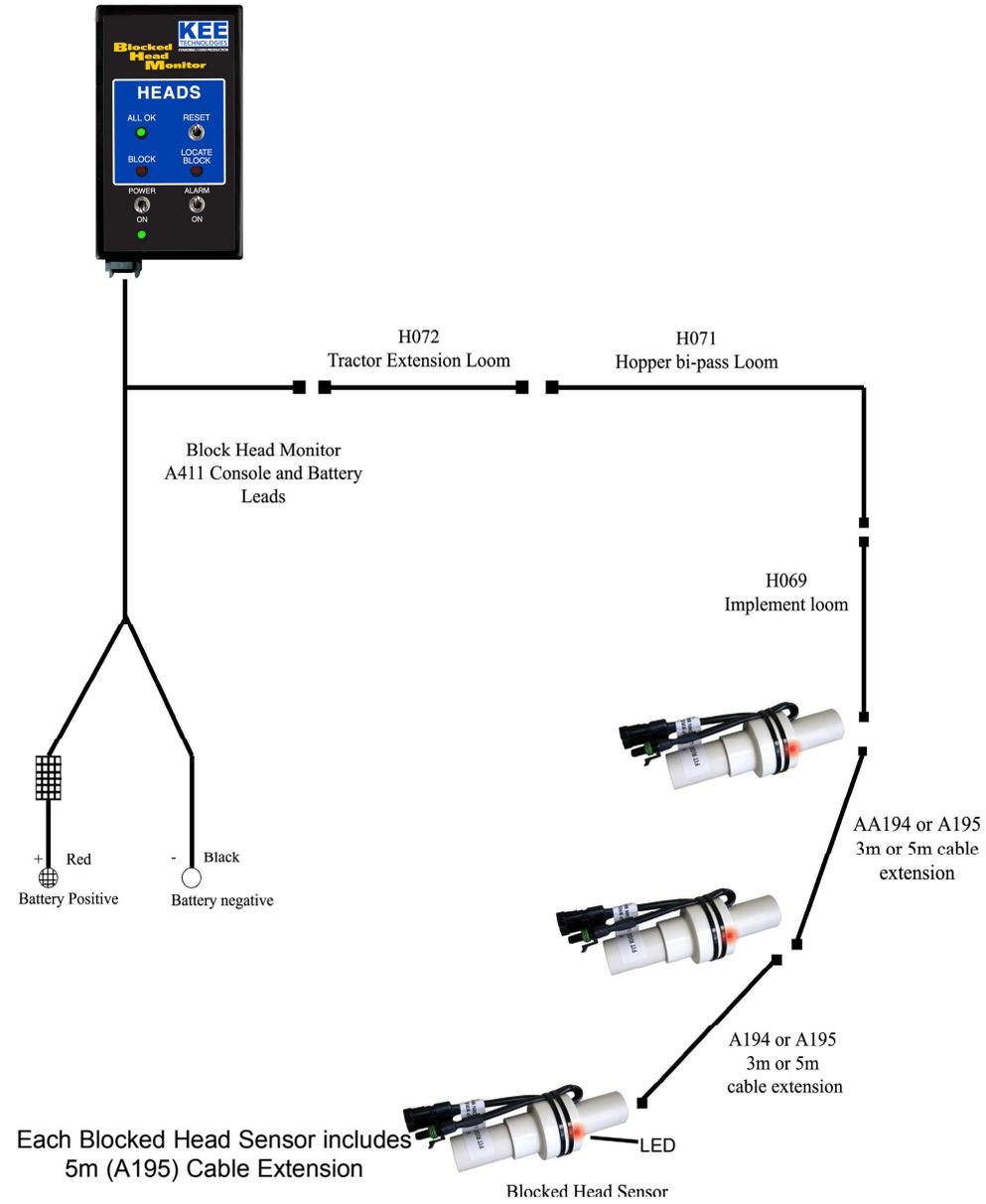
Simply then plug in the sensor hook up extensions from sensor to sensor use self amalgamating tape supplied to water proof the system.

When fitting the sensor it may be necessary to cut the tube approximately 10cm. from the head end and slip the sensor inside the hose it may be necessary to fit hose clamps on some hoses.

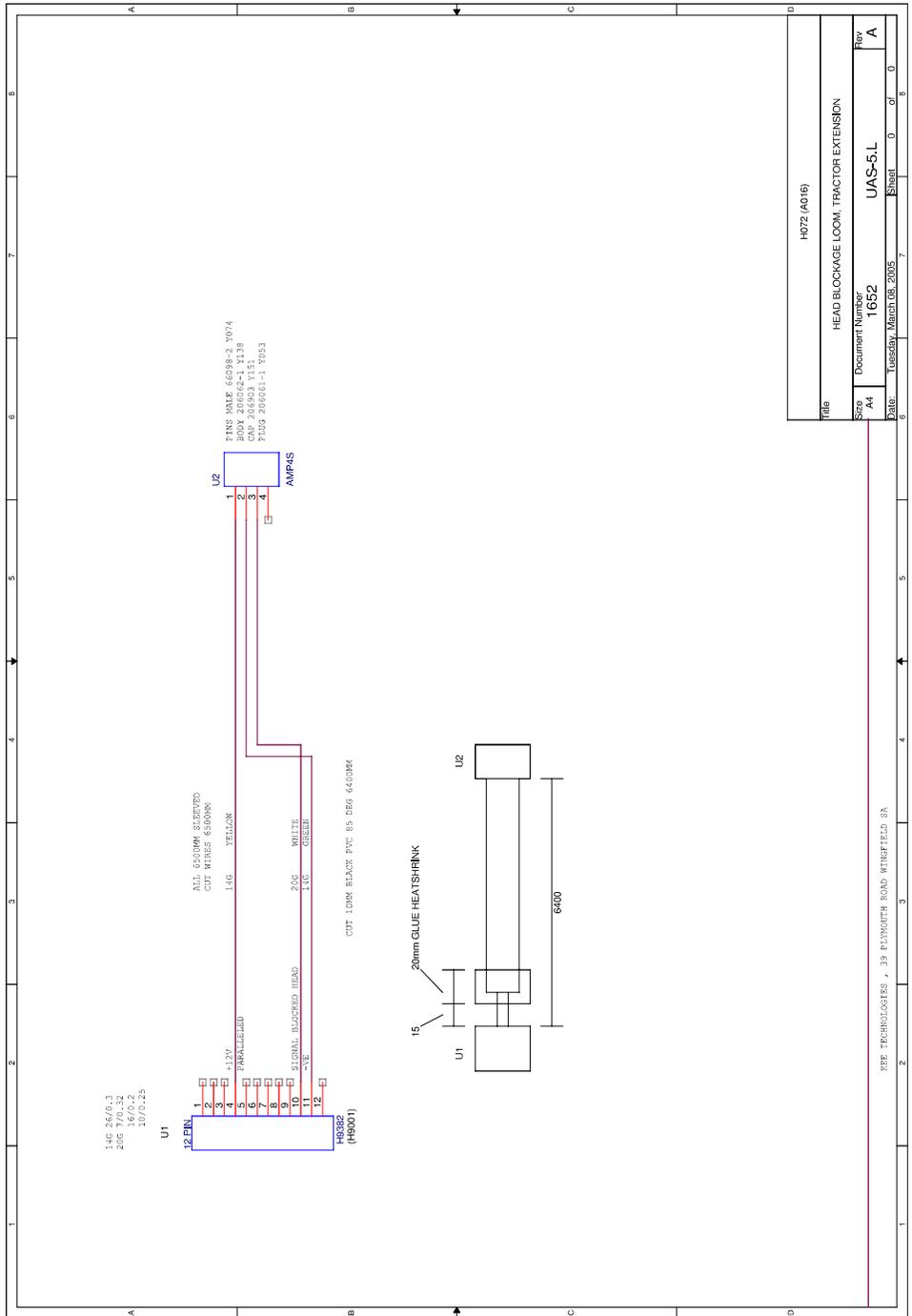
Shearer simply unscrew the hose out the head and place the sensor directly into the head then fit the hose on the sensor.

Flexicoil push the sensor into the rubber distribution head and slide hose onto the other end of the sensor.

System Components

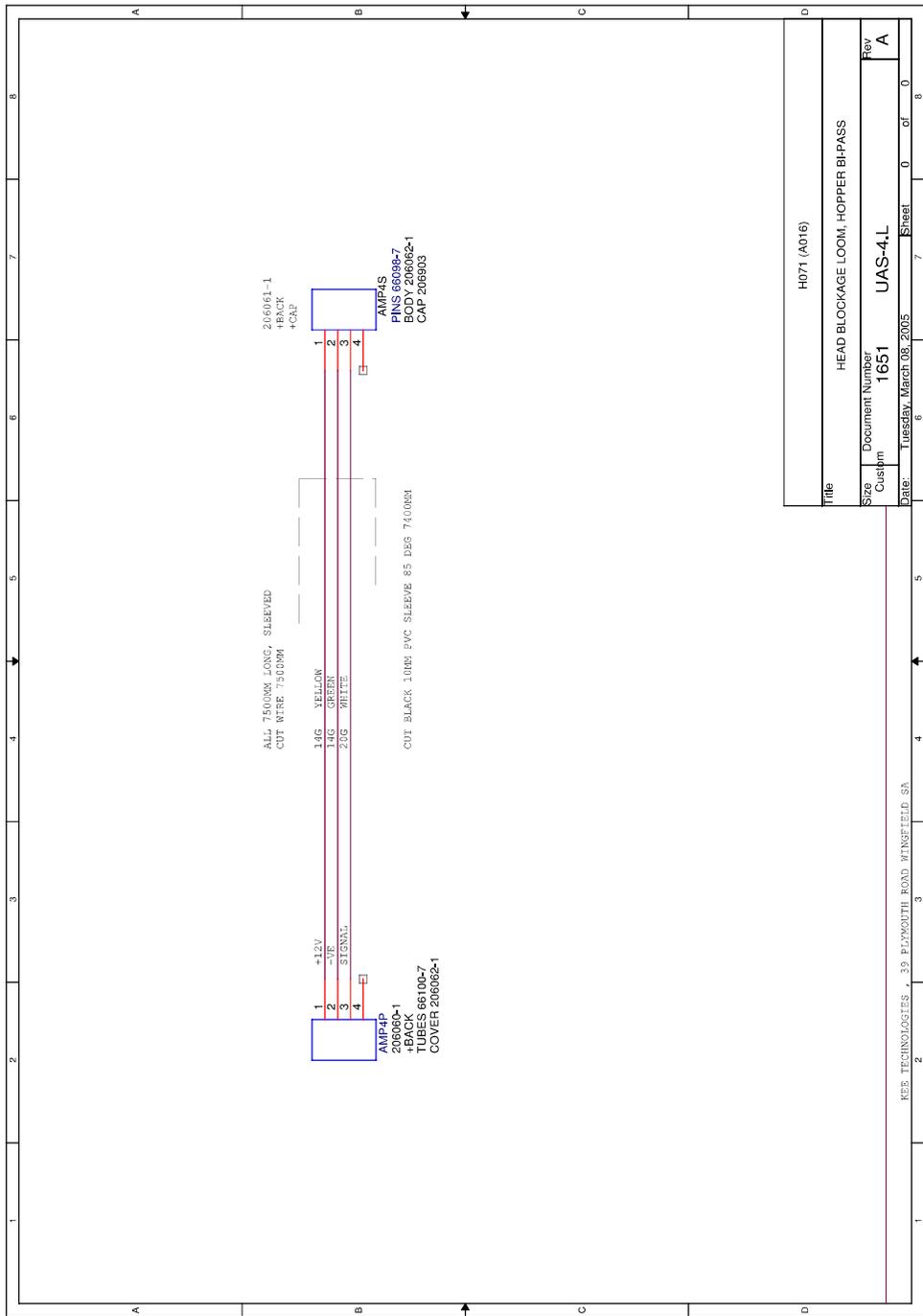


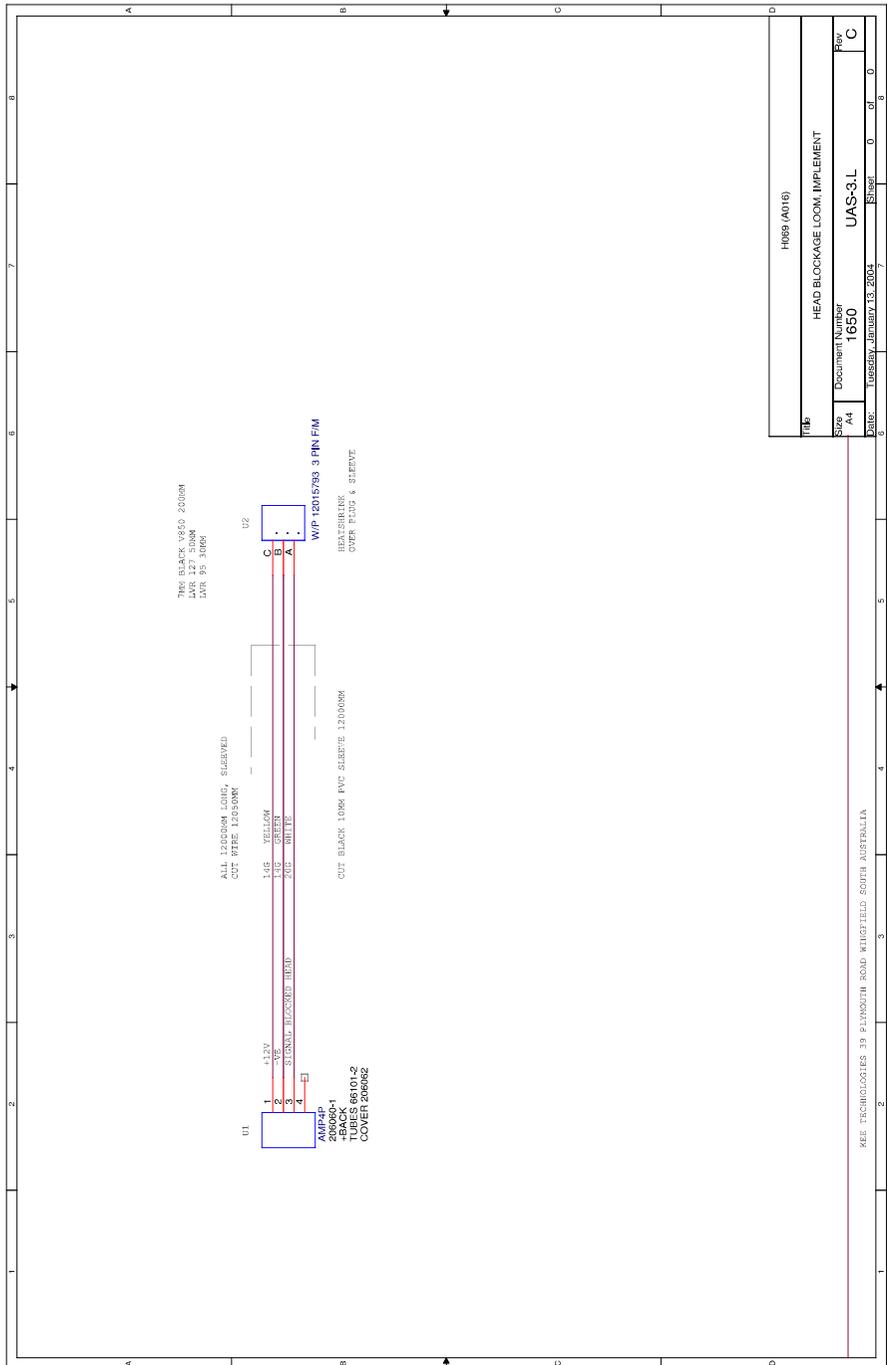
A021	Blocked Head Sensor	25mm
A002	Blocked Head Sensor	32mm
A023	Blocked Head Sensor	33.5mm
A024	Blocked Head Sensor	40mm



H072 (A016)	
Title HEAD BLOCKAGE LOOM, TRACTOR EXTENSION	
Doc Number	1652
Rev	A
Sheet	0 of 0
Date	Tuesday, March 08, 2005 7

KEE TECHNOLOGIES, 139 PLYMOUTH ROAD, WINGFIELD SA





WARRANTY

The warranty provided by KEE Technologies Pty Ltd covers faulty manufacture, defective components and installation of components, but not installation to the machine.

For the warranty to be recognised by KEE Technologies Pty Ltd the end user of the equipment must in the first instance of a problem developing, contact the local Dealer from where the unit was purchased.

The Control Unit Micro Processor is covered for 12 months under this warranty.

Accessories such as cables, sensors and hydraulic kits are covered for 1 year under this warranty.

This warranty will become void if any attempt is made to repair or modify the Control Unit Micro Processor.

This warranty will become void for all components if they are misused, accidentally damaged, if any attempt is made to repair or modify them or operate them on other the recommended or specified voltage.

This warranty is in addition to and not in substitution for any warranty or condition implied by the provisions of the Trade Practices Act.

OPERATION OF WARRANTY

In the event of warranty claim being made KEE Technologies Pty Ltd, will endeavour via its authorised dealer/installer to rectify the problem at the earliest opportunity. KEE Technologies Pty Ltd will arrange for the problem to be fixed and if necessary supply an exchange unit and or components. The method of repair shall be determined by KEE Technologies Pty Ltd at its sole discretion.

Any warranty claim shall at the first instance be reported to KEE Technologies Pty Ltd.

KEE Technologies Pty Ltd shall not in any event be liable for any direct or consequential injury, loss or damage arising out of any matter giving rise to a warranty claim.

Warranty registration must be filled in and Posted to KEE within 7 days of fitment to avoid warranty confusion at a later date if the unit fails during the warranty period.

Blocked Head Monitor



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A tradition of developing hi-tech electronic products for harsh environments.