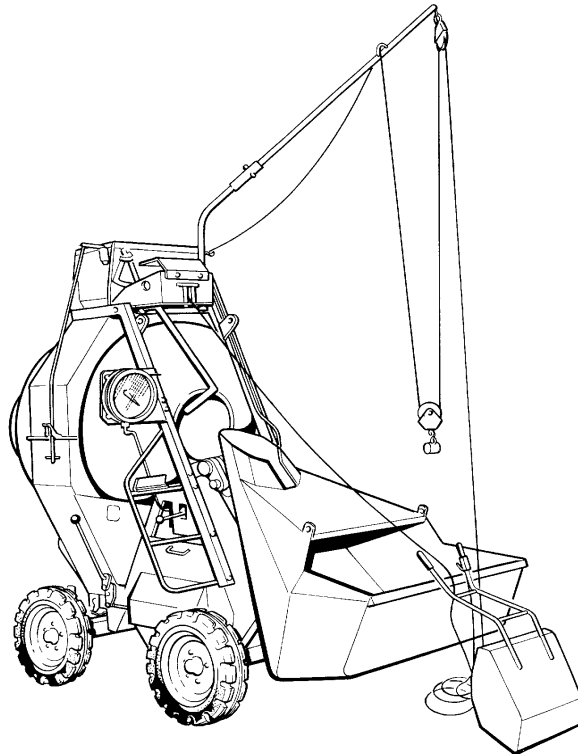


WINGET

R RANGE BATCHWEIGHER INSTALLATION INSTRUCTIONS



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R RANGE BATCHWEIGHER INSTALLATION

When working on equipment normal good workshop practice should be followed.

Wear personal protective equipment (PPE) as necessary especially when working at height when a safety harness or suitable restraint should be used.

If working below a raised hopper ensure the weight is fully supported.

Be aware of the weight of the assembled Weighgauge unit when brackets etc. are attached.

Clean rust and old paint etc. from the bores of bosses before attempting to insert pins. Lubricate pins and bosses with anti seize compound before installation. Clean threads using the correct sized tap before inserting grub or other locking screws.

The Batchweigher Load Cell and Gauge are complex precision pieces of equipment and should not be mishandled. Treat them with care.

Take care to ensure the Capillary Hose is not damaged during installation of the Weighgauge and Load Cell.

On no account should the Capillary Hose be disconnected from either the Gauge or Load cell.

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Install the Striker Pin to the underside of the Hopper Cradle. Lubricate the Retaining Pin and Bosses before inserting the Pin into the Hopper Cradle. Secure the Pin using the Grubscrew and tighten.
Retaining Pin No 555109300 &
Grub Screw No195S03C2



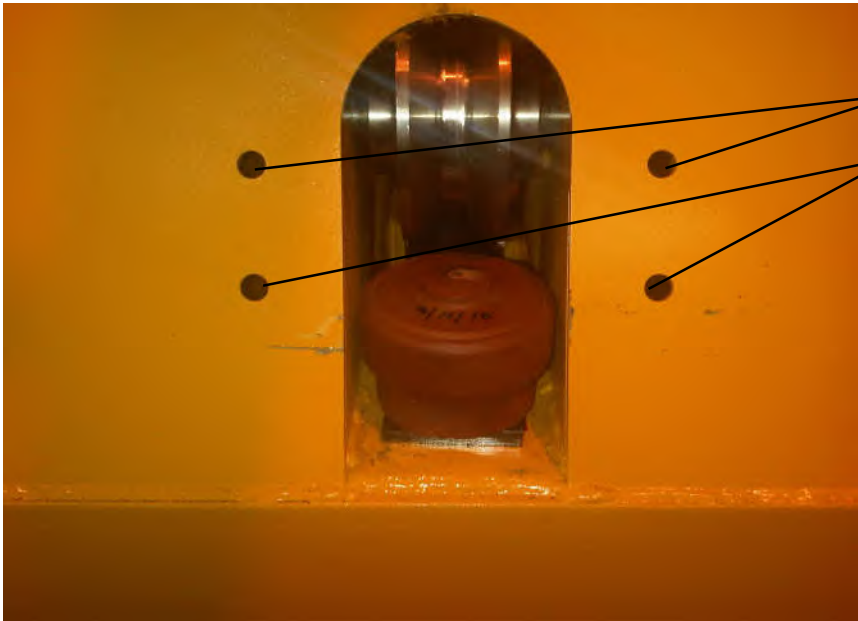
Striker Pin No 555109100, Secure to the Hopper Cradle with one 6S05E Setscrew and one 41S07 Spring Washer, sandwiching the Shim Pack between the Striker Pin and the Hopper Cradle. (See below)
Lubricate the threads of 6S05E setscrew with copperslip before Inserting.



Insert 2 thick shims and 1 medium shim from Shim Pack Part No 555109200 between the Striker Pin and Hopper Cradle. (Part Nos 555109203 x 1 & 555109204 x 2) Sandwich the medium shim between the two thick shims to prevent distortion when the retaining setscrew 6S05E is tightened.

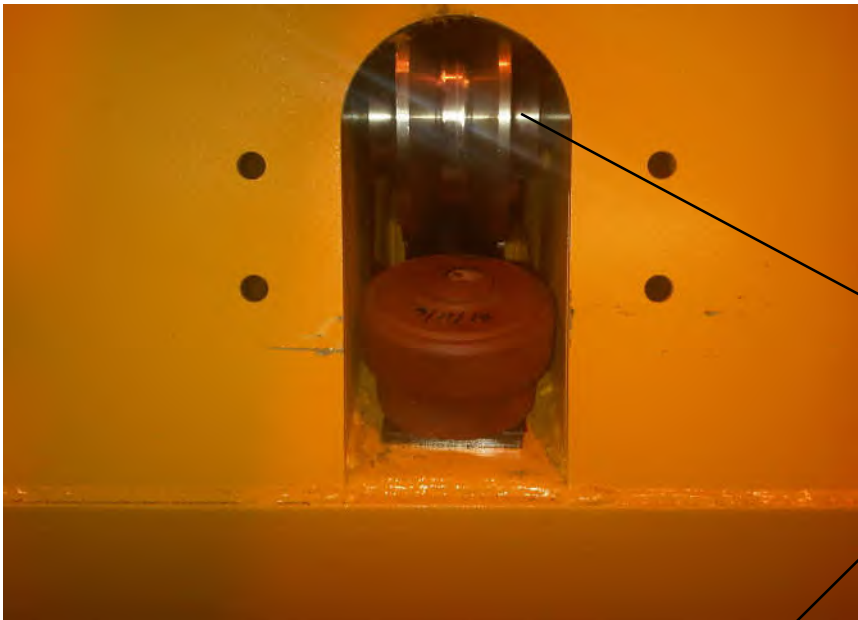
The Hopper Cradle should be roughly at an angle of approx. 25 degree when the striker pin is resting against the striker guide.

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If installing a Batchweigher to an existing basic machine remove the two stop blocks No 555109600 from the face of the mainframe.

The stop blocks are secured via these four holes. When the blocks are removed the holes are left open as shown.

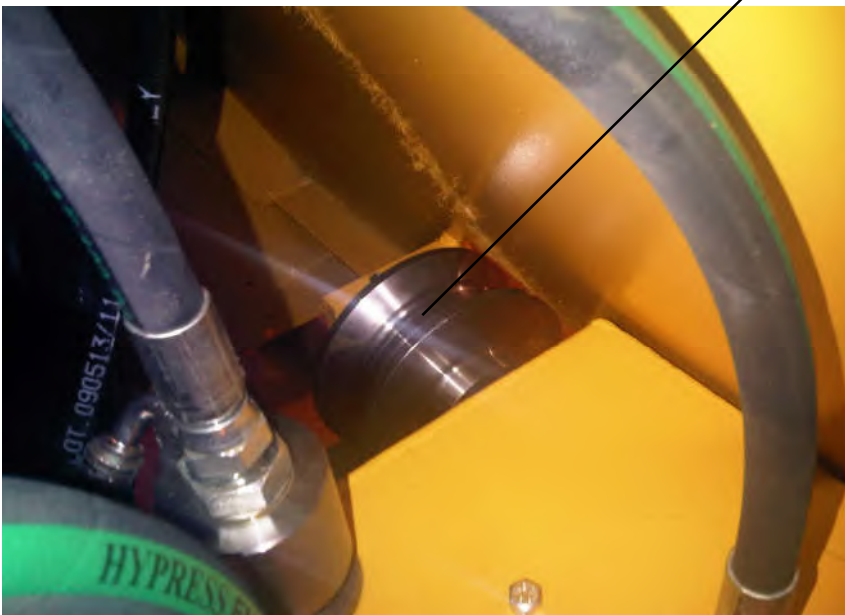


Carefully install the Bearings No 113149000 and Seals No 422702000 into the Striker Guide No 555108900.

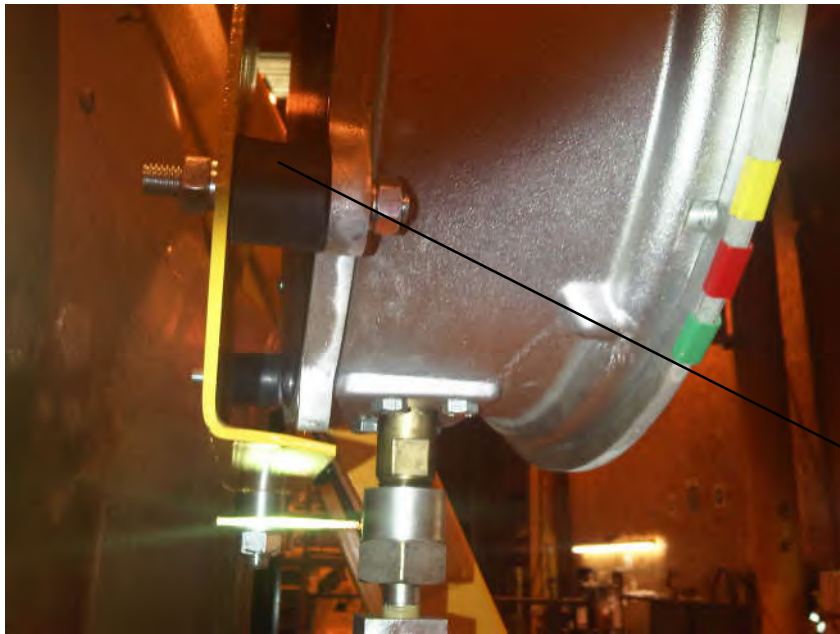
Lubricate the Bearings on assembly using a good quality grease.

Using Pin No 555109000 install the Striker into the mainframe as shown ensuring the blank end faces the Hydraulic Tank, the tapped hole in the pin for the grease nipple, No 333506000 should face outwards.

Lubricate the Pin and profiles with anti sieze compound before installation. Secure using Grubscrew No 195S04D3. After installation the Guide should rotate freely and also be free to move from side to side between the profiles.

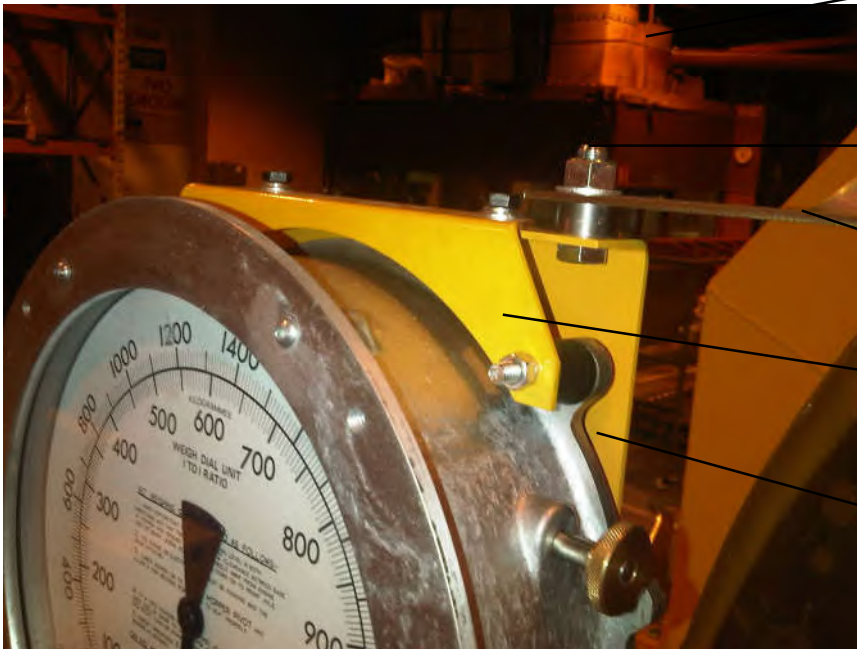


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Assemble the Weighbatcher Gauge (Part No 555242414 on the 300R/400R & No 555242418 on the 500R) to the Retaining Brackets whilst the Gauge is resting on a suitable bench. Take care that the Capillary Hose between the Gauge and Loadcell is not "kinked" or damaged during this process. The four holes in the rear of the alloy body of the Gauge will require opening out with a suitably sized drill bit to allow fitment of the rubber Anti vibration mounts No 013203000.

Setscrew 28S03D, Washer Flat No 10S03, Washer Spring No 41S05 and Nut No 9S03



Setscrew No 6S05C, Spacer 555125100 and Nut 87S05

Bracket Upper No 555192900

Plate Mount Upper No 555124900

Plate Mounting No 555192700



Anti vibration Mount No 013203000

Setscrew No 6S05C, Spacer No 555125100 and Nut 87S05

Bracket Lower No 555192800

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Weighbatcher Gauge installed on Mixer
note long radius on Capillary Hose to
Load Cell to avoid "Kinks"

Bolt No 6S05M, Washer Spring 41S07 and
Nut 9S04

Bracket Upper No 555192900



Bolt No 6S03L, Washer Spring No 41S05
and Nut No 9S03

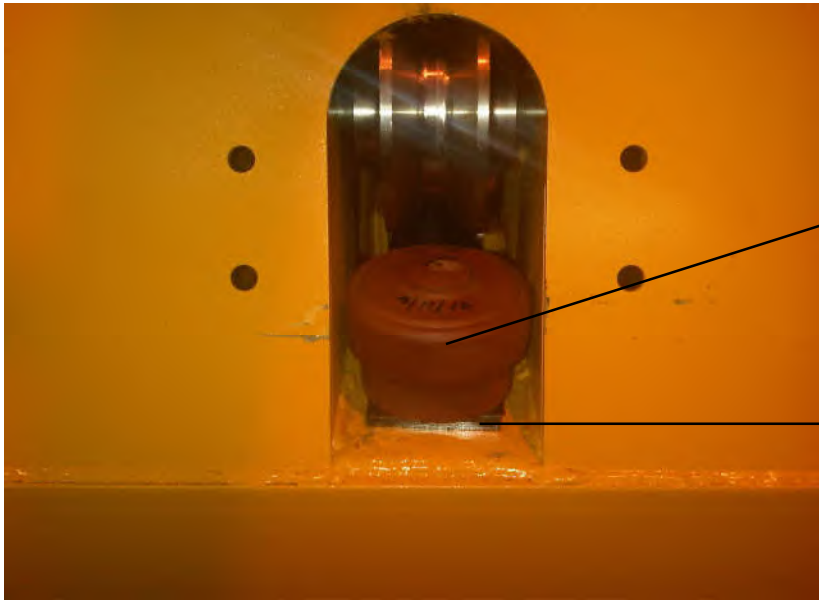
Plate Mounting No 555192700

Bracket Lower No 555192800

Bolt No 6S05M, Washer Spring No 41S07
and Nut No 9S04

Note Dial Cover No 555125000 and
Thumb Screws Nos 261S02M not shown
for clarity.

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Load Cell installed in mainframe. When routing through interior of mainframe ensure the Capillary Hose is not "kinked" or damaged or allowed to chaff on components or other hydraulic hoses.

Under no circumstances should the Capillary Hose be disconnected.

Place two thick, two medium and one thin shim below the Load Cell (No 512118301, 512118302, 512118303) Secure the Load Cell from below the Mainframe using Setscrew No 11S05E and Washer Spring No 17S06,



Note the long radius on the Capillary Hose to avoid "Kinking" or damage.

Note:- When the Hopper Cradle is lowered and the Striker Pin is in contact with the Loadcell Guide and Loadcell there should be clearance around the circumference of the Hopper Pivot Pin where it passes through the Hopper Cradle. If the Pivot Pin and Hopper Cradle are in contact the Batchweigher will read Incorrectly or fail to register a load.

Secure to Mainframe using Hose Clip No 143200300, Setscrew No 16S05B, Washer Spring No 17S10 and Nut No 7S09.

Note: there is a second hose clip securing the Capillary Hose to the interior rear face of the mainframe to one side of the Hopper Lift/Ram Cylinder (obscured in the photograph)

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Secure to Mainframe using Hose Clip No 143200300, Setscrew No 16S05B, Washer Spring No 17S10 and Nut No 7S09.

Note: Clip is obscured by the hydraulic hose in this photo.

Secure the Capillary Hose to prevent chaffing to other hoses etc. using cable ties No V2003111 as necessary.

When the installation is complete the Weighbatcher should be calibrated and checked as follows:-

If not already attached secure the Hopper to the Hopper Cradle, run the engine and lower the Hopper so that the Load Cell Striker contacts the Load Cell. It may be necessary to raise and lower the hopper a number of times to stabilise the gauge reading before it begins to "steady". Then "Zero" the Gauge by means of the knurled zeroing knob on the side of the Gauge. Place a known test weight into the centre of the Hopper Base.

Observe the Gauge reading, it should register the weight of the known test weight in the Hopper. If it is reading high, reduce the total thickness of shims below the Load Cell. If reading low increase the thickness of shims below the Load Cell.

Check the calibration throughout the Gauge range using various test weights of increasing weight. Remove the weights raise and lower the Hopper back onto the LoadCell, the Gauge should return to "zero".

Note: To avoid irreparable damage to the Load Cell or Gauge do not allow the Hopper to return "heavily" onto the Load Cell. Lower the Hopper slowly and in a controlled manner via the hydraulic control valve.

Secure the "Warning Plate" Part No 515175000 to the Mainframe below the Batchweigher Gauge using pop rivets No 101S05D

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NOTES