

Scroll Gates

Manufacturers of high quality wrought iron gates

Service Notes – CAME Forni articulated arm operators

All gate pivots should be kept greased, the M12 bolt securing the arm to the gate should be removed and the gate lifted slightly by using a length of timber under the frame as a lever to enable the actual pivot areas to be greased, putting a blob of grease on the top of the hinge pin without first lifting the gate does nothing. If you find the grease is disappearing after a while, try waterproof grease which will stay on for years (most grease is not waterproof).

Remove the bolt securing the 2 link arms. Clean this pivot and the gate pivot, grease and refit. To remove the plastic cover, release the flap with the key and remove the 4 phillips screws, with the cover off, the unit can be 'de-insected' and checked for damage. We do not recommend dismantling the actual motor/gearbox unit. The forni is fitted with adjustable limit switches, often they are not used and the gates rest against open and closed position ground stops. If they are used and require adjustment, loosen the appropriate cam and adjust as required, retighten and test. Note: this is a lot easier said than done! especially on the right hand (viewed from inside) operator where the cams are underneath, we suggest leaving alone unless alteration is essential. In practice it will probably be impossible to tighten the cams in the required position and so they will have to be carefully moved by hand while still tight.

The cam arrangement is unlikely to get a design award!, in fairness to the manufactures, the units, like all other operators can be used with ground stops only. We have found the cams fitted as standard are not satisfactory and can become loose and turn slightly, all Scroll installations have modified cams.

If your installation was carried out by others and you find the limit switches seem to gradually move in time, here's the cure. The job is awkward and time consuming - be warned!. It is much easier where possible to concrete neat ground stops in. and not bother with the cams.

Remove the cams, degrease them and the groove on the shaft they sit in (petrol or thinners will do), note which way round they go. The problem is the gap in the cams which allows them to be pulled in is too small resulting in the cams still being loose even when fully tightened. Using a junior hacksaw or stanley knife, cut a slither (about 2mm) off the side with the 'thread'. Use a knife to create shallow marks on the inside face to give more grip on the shaft. Reassemble ensuring no oil or grease gets to the shaft reducing the grip.

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