

THE DATATAG MOTORCYCLE SYSTEM FITTING INSTRUCTIONS A QUICK FIT INSTALLATION GUIDE



Datatag is Europe's Award-Winning theft deterrent & identification system. When installed correctly Datatag is proven to greatly reduce the risk of the theft of your Motorcycle.

Please take just a few minutes to read this guide to installation.

IMPORTANT

- Please complete the Datatag registration as outlined on the registration card once the system is fitted.
- The registered keeper will receive the official Datatag certificate within 28 days.

For advice please call: (UK) 03 450 700 440 - we're always here to help!

Datatag allows for the major and valuable components of your Motorcycle to be securely marked by combining state of the art identification technologies. These include, covertly placed and uniquely coded disc and glass RFID transponders, the Datadot® identification system which now includes an invisible Datatag Forensic DNA solution and the new "stealth" UV chemical etching technology. All this makes Datatag's award winning system one of the most successful deterrents to theft available.

THE DATATAG SYSTEM INCLUDES THE FOLLOWING:



8 Unique Ultraviolet ID stencils to be used with the etching fluid listed below:



1 Small bottle of chemical UV etching compound with applicator.



1 Tamper Evident Warning and re-registration label.



1 Domed resin colour - WARNING label.



1 Alcohol Wipe to be used to clean panels and remove all UV fluid residue.



1 Bottle of Datadots® containing 100's of Datadots® including an invisible Datatag Forensic DNA with brush applicator.



2 Self Adhesive RFID Transponders.



2 Glass RFID Transponders.



1 Hollow Needle with Injector Rod for use with the Glass Transponders.



1 Datatag Registration Card

In addition - the user should have, an amount of light solvent cleaner and some household furniture polish.

FITTING INSTRUCTIONS - 1) RFID Transponders

The RFID (Radio Frequency Identification) transponders are hidden covertly into places where they will be difficult to find and remove. These transponders are only readable with specialist equipment which is normally in the possession of the police. These transponders can be read from a distance and decoded to provide a method of identification for the motorcycle. **NOTE!** Transponders are unaltered by, and do not adversely affect signals or current within the loom. Dataloggers, ignition controllers and other similar devices may be safely used without detriment.

The 1st Glass RFID Transponder - Seat Unit



We recommend that the first glass transponder is used for tagging the motorcycle seat.

- 1) Remove the seat from your motorcycle and identify a suitable location on the underside of the seat unit where the needle can be inserted safely into an exposed area of the foam padding.
- 2) Load the glass transponder into the hollow needle (the steel tube that has one end sharpened) taking care not to prick or cut yourself. Insert the injector needle into the seat foam at an angle, taking extra care not to pierce or cut your seat cover.
- 3) Push the transponder into the foam by inserting the metal rod supplied into the needle and pushing it until the transponder has cleared the needle and is held within or injected into the seat foam.
- 4) Remove the needle over the rod and then the rod, replace the safety cap on the needle and store safely for re-use or dispose of safely. (Take care to note that the glass transponder does not come out of the seat unit).



The 2nd Glass RFID Transponder - Wiring Harness



We recommend the second glass transponder is used somewhere in the wiring harness. **(Do not use the needle and rod in this process).**

- 1) Find a suitable area of the wiring loom, ideally where an open end of the cable sheath is accessible.
- 2) Carefully insert the transponder into the sheath taking care not to damage the cables. (Some owners prefer to coat the transponder with glue prior to insertion to prevent accidental loss).
- 3) Seal the end of the sheath with either a small cable tie or black insulating tape.
- 4) If it is not possible to insert the transponder into a length of sheathed cable it is sometimes possible to carefully slip it into gaps in existing insulation tape, or it can be taped to the wiring using insulation tape to disguise it.



The Self-Adhesive RFID Transponders - Panels / Large Plastic Components



The self-adhesive transponders have a strong adhesive layer which after 24 hours provides a strong and durable bond.

- 1) Identify locations on the motorcycle for placement of the self adhesive transponders, (the more covert the location the better) for example, these can be inside a fairing panel, on the side of the battery box, the air box, under the tail piece, the underside of the fuel tank or under the seat on the upward facing side of the rear mud guard or any

other location where the transponder is reasonably well hidden and protected. Ideally the area will be either flat or only have a slight curvature. Do Not wrap the transponder around frame tubes.

- 2) Clean the chosen areas either with the alcohol wipe provided or solvent degreaser making sure the area is completely dry and free from dirt, oil, or grease.
- 3) Remove the backing sheet from the transponder and firmly place it in the chosen position, gently rub the face of the transponder to make sure it is fully adhered to the surface.

Datatag ID Ltd, Waterman's House, Waterman's Court, Lotus Park, The Causeway, Staines-upon-Thames, TW18 3AG

Tel: +44(0)3 450 700 440

www.datatag.co.uk

info@datatag.co.uk



2) Datadots® and the Datatag Forensic DNA Invisible solution



- Each tube contains 100's of Datadots®, each dot within the tube carries same unique ID information! The adhesive carrying the Datadots® also contains unique Forensic chemical DNA. This gives the Motorcycle its own unique DNA.
- Datadots® are used to protect as many parts of the vehicle as possible, even if components are stripped from the original item the Datadots® and Datatag DNA can provide conclusive identification.
- Datadots® are visibly read using special magnifiers, already issued to the Police and official organisations.

IMPORTANT! The Datadots® are suspended in a clear glue which may not dry to a perfect factory type "flat" paint finish, therefore, do not apply Datadots® to overt areas where they may impair vision or look unsightly such as the external bodywork or fairings. Ensure surfaces are always clean and dry prior to application.

Instructions

- Shake the bottle well before use, if possible, leave inverted for 5 mins in a warm place to allow all the Datadots® to disperse in the bottle.
- Using the brush supplied within the bottle, paint the Datadots® (it is recommended to 'blob' and not 'smear' the Datadots®) and the Forensic DNA onto the components or areas to be marked.



Examples of typical items that can be marked with Datadots® and Forensic DNA include:

The underside of the seat, wheels hubs, trims, fairings, "dashboard", chassis tubes, carburettor or injector bodies, manifolds, alternator, wiring, electrical components, hydraulic, engine casings, BUT NOT hot areas such as the exhaust or cylinder heads.

Apply the Datadots® and forensic DNA where they are least likely to be affected by dirt, rain, spray, road grit or regular washing.

3) The 8 Unique Numbered UV Etching System - (See Safety Warning)



The chemical etching of the motorcycle panels forms a major part of the theft deterrent and subsequent identification. It indicates to potential criminals that Datatag genuinely protects the motorcycle and there is too high a risk of being traced if they were to steal it.

The Datatag UV marking fluid will provide a robust mark on the majority of automotive paints and plastics including Fibre Glass (GRP) and Carbon Fibre. The most notable exceptions to these are, polypropylene, which is found on some off-road motorcycles and hard, powder coated paint surfaces (we recommend not to use the UV etching on these surfaces). On limited occasions use of the UV etching may cause a temporary chemical reaction which may result in the UV mark being visible. Such temporary UV visibility fades within a few weeks. It should also be noted that the on lacquered bare metal finishes the etch may also remain visible.

NOTE: If, there is any doubt that the UV etching fluid will leave a lasting mark, carry out a patch test on a small area of the paint or surface in a position where it will not be seen easily and check for any marking or lasting visibility. A small spot of the UV fluid applied with the applicator should show this.

There are many variations in plastic and paint compositions and Datatag cannot guarantee that the UV mark will be the same on every motorcycle or even similar panels or painted surfaces of the same motorcycle and could in some cases remain visible. For this reason, Datatag strongly advise the location chosen for the placement of the stencils and the UV etch is always on downward facing areas or surfaces and not surfaces which are easily visible when viewing the motorcycle. Datatag also recommends not placing the stencil on surface where a double curvature exists as this may lead to the stencil lifting allowing the UV etching fluid to seep underneath rendering any UV etch unreadable, this may also allow too much fluid on the surface of the part which can lead to surface damage.

BE AWARE OF THE FOLLOWING:

- Where a mark does not "take" it will simply wipe off.
- In most circumstances, marks will not be visible to the naked eye in daylight. However, from some angles and in a particular light an obvious 'Etch' can occasionally be visible in the panel.
- The UV mark is just outside the visible light spectrum and some combinations of light, angle of reflection and bodywork colour may cause the mark to become visible.
- Although the fluid usually provides a good mark into painted or unpainted plastics, polishes or lacquers may inhibit the marking process, thus possibly reducing the depth of the mark and interactions between these surface finishes may increase the chances of the mark being visible in daylight.
- As a result, Datatag recommend that UV marks are always applied to discreet downward facing areas of the motorcycle such as lower edges of belly pans or concealed surfaces of fairings and tail sections.
- Do not apply the stencils to areas where there is a double curvature.
- In the unlikely event that an UV mark is highly visible, Datatag recommend that the following process is taken: Clean and polish the area with normal household furniture polish to reduce visibility.
- After a few weeks, the UV mark will fade, this will happen more quickly if the motorcycle is left in sunlight. This will not affect the visibility of the mark under UV light.

Mark immediately after removal of stencil - no alcohol wipe

Mark after alcohol wipe - In most cases mark not visible after 12 to 24 hours

Instructions:

- Select the locations around the motorcycle or the parts where the unique numbered stencils will be applied ensuring that these are cleaned using the alcohol wipe provided or a light solvent cleaner and a dry cloth. **NOTE:** as mentioned above, these should ideally be downward facing locations if possible. Suitable locations are, the main frame either visible areas or sections under the seat, swinging arm and fairing panels paying particular attention no to apply to surfaces with a double curvature.
- Remove the backing strip from the stencil and apply the stencil to the locations. Stencils should be pressed down firmly using the backing paper or a soft dry cloth and left for about one minute before fluid is applied. Smooth out any air bubbles to prevent the fluid "bleeding" under the stencil when applied, ensuring a neat mark is achieved.
- Use the applicator provided to spread the UV etching fluid sparingly over the Datatag Logo, the unique code and the telephone contact number i.e. into the holes on the stencil - only enough chemical is required to fill the holes within the stencil rather than the whole of the stencil. Only one coat of UV fluid should be applied. **IMPORTANT!** After 45 seconds, the stencil can be removed. There will be a white surface residue left on the panel which should be removed once the area is fully dry with the supplied alcohol wipe, a light solvent cleaner or household polish. Each stencil should be used only once and discarded after use.



Do not allow the UV etching chemical to run around or over the outside edge of the stencil, as it will etch into the surface of the paintwork and can not be removed.

Repeat the above process until all stencils are used.

WARNING: Handling & Safety Precautions for the UV Fluid

Storage - The fluid should be stored in cool conditions away from direct sunlight. It should be kept away from food and drink and out of reach of children.

Spillage - Spillage of the small quantity supplied in this system can be mopped up with tissue and disposed of with normal waste.

Handling Precautions

- Contains Dichloromethane.
- Harmful if swallowed.
- Avoid contact with skin and eyes.
- Do not eat, drink, or smoke while using.
- Do not use near a naked flame.

SAFETY INFORMATION

Eye Contact - Wash eye(s) thoroughly for at least ten minutes. Seek immediate medical attention.

Skin Contact - Wash off with soap and water. Product is harmless to skin but may temporarily stain.

Swallowing - The nature of the product makes it impossible to ingest in harmful quantities except by deliberate action. If a quantity is swallowed, seek immediate medical attention. Show these instructions to the Doctor.

Inhalation - If the fluid is used in the quantity supplied for its specific use, it should be impossible to inhale sufficient vapour to cause any medical problems.

As a general precaution and in the interest of safety and hygiene, always wash hands thoroughly after use.

4) THE DATATAG WARNING & RE REGISTRATION LABELS

The Datatag Warning Label (Rectangular plastic domed label)



Fitting the decal forms a major part of the visible deterrent. It indicates to potential criminals that Datatag genuinely protects your bike and there is too high a risk of being traced if they were to steal it. It is VERY important to apply the plastic domed WARNING label to a highly visible area such as, edge of the screen adjacent to the fairing, top of the petrol tank or on top of the tail piece.

The warning decal is designed to be applied ONCE and cannot be removed without damage. Please take care to position the decal correctly.

Carefully ensure the selected surface is clean and dry, peel back just HALF of the protective backing. Place the edge with the backing onto the selected surface - so allowing it to be moved and positioned correctly. When you're happy with its position, carefully affix. Then pull the backing from behind the rest of the decal, thus uncovering the remaining adhesive and apply.

The square Tamper Evident WARNING and Re-registration Label

Fitting this label aids both the Police and future owners of the Motorcycle to contact Datatag easily. This should ideally be placed under the seat area but NOT on the seat. If the Motorcycle is a single seat machine, please find a non prominent location, such as the battery compartment.



The decal is designed to be applied ONCE and cannot be removed without damage. Please take care to position the decal correctly.

Carefully ensure the selected surface is clean and dry, peel back just HALF of the protective backing. Place the edge with the backing onto the selected surface - so allowing it to be moved and positioned correctly. When you're happy with its position, carefully affix. Then pull the backing from behind the rest of the decal, thus uncovering the remaining adhesive and apply.

1. The Datatag Systems comprises all or any of the following items: 8 Unique ultraviolet ID stencils, 1 bottle of chemical UV etching compound with applicator, 1 Tamper Evident Warning and re registration label, 1 Domed resin colour WARNING label, 1 bottle of Datadots® containing 100's of Datadots® with brush applicator, 2 Glass Transponders, 2 self adhesive Disc Transponders.
2. The warranties contained in sections 12 to 14 of the Sale of Goods Act 1979 (as amended) ("Warranties") apply to the Datatag System subject to exclusions set out in 3 below.
3. The legal Warranties in 2 do not apply to any defect in arising from fair wear and tear, wilful damage, accident, negligence by you the customer or any third-party including manufacturer or any dealer, use or application of the Datatag System otherwise than

in accordance with the written instructions of Datatag, failure to follow Datatag's instructions as to the correct application of the Datatag System, or any alteration carried out to the Datatag System without Datatag's approval.

4. Before making a claim under a warranty the customer must first resolve the matter directly with the manufacturers appointed dealer. Only where the matter is not resolved to a customer's satisfaction should they contact Datatag.

5. The Warranties set out herein shall be governed by and construed in accordance with the laws of England and Wales and the courts of England and Wales shall have exclusive jurisdiction.

ONCE INSTALLED, IMMEDIATELY COMPLETE THE REGISTRATION OF THE DATATAG SYSTEM AS OUTLINED ON THE REGISTRATION CARD.

In all instances please inform Datatag immediately if your bike is stolen and if it is later recovered.