## ROBIN HOOD ENGINEERING LTD MANUFACTURERS OF BORN AGAIN SPORTS CARS PRESENT THE

# **SERIES III KIT**

AND THE

# **EXMO KIT**

(BUDGET MODEL)

'TRULY COMPREHENSIVE KITS WHICH IN ADDITION REQUIRE ONLY A FORD SIERRA TO PUT CARS ON THE ROAD!'

KIT CONTENT LISTS, PRICES, OPTIONAL EXTRAS AND ORDER FORMS ENCLOSED.

ROBIN HOOD ENGINEERING LTD OXCLOSE LANE, MANSFIELD WOODHOUSE, NOTTINGHAMSHIRE, ENGLAND. NG19 8DF.

TELEPHONE: 01623 422286

FAX: 01623 422287

## THE SERIES III, STAINLESS

The Series III Stainless Steel Body/Chassis unit. The Series III monocoque body/chassis unit is made from 1mm mirror like stainless steel with all the structural sections made from thicker 1.5mm stainless steel. It is a complete monocoque body/chassis unit and does not require any additional welding, bolting together or main panels fitting to it. It does not require painting. Nearly all the holes and apertures have been pre-cut, these include provision for fitting the whole of the donor vehicles heating and demister system, dashboard instruments, handbrake and gear lever, fuse box and pedals. Apertures are also pre-cut to assist fitment of the petrol tank, exhaust, suspension, steering components, wipers, engine mountings and many more. The whole of the scuttle (the panel the windscreen sits on) is detachable. Included with the body/chassis unit are also....

GRP COMPONENTS Pair of turning cycle wings

Pair of rear wings. (All self coloured either red or green)

One nose cone.

BODY PANELS One stainless steel bonnet with louvres.

Stainless steel pedal box cover.
One servo mounting panel.
Back braced roll over bar
Crumple zone front bumper bar

LIGHTING SET Two chrome headlamps.

Two sealed beam units.
Two front flasher lamps

Two rear lights with tapered plinths. (All lamps E marked)

Two rear fog lamps. One number plate light. Two reversing lamps.

WINDSCREEN ASSEMBLY One aluminium windscreen frame.

Toughened glass windscreen. (BS Kite marked)

Pair of windscreen pillars. Windscreen rubber. Wiper blade kit.

FUEL SYSTEM Stainless steel fuel tank and gaskets.

Locking fuel filler cap.

Fuel pipe.

Fuel tank straps and fixing bolts.

EXHAUST SYSTEM One stainless steel, low noise, silencer.

Stainless tube, balanced, true 4 into 1, performance manifold.

TOTAL COST OF ROBIN HOOD

# STEEL MONOCOQUE KIT

#### INTERIOR TRIM AND WEATHER GEAR

Individual traditional style seats.

Superior, newly designed carpet set, pre-cut and bound sections, easy to fit, grey with Dashboard covering material.

One map bag.

Hood, frame, sidescreens and fittings, top quality with welded windows.

11" Mountney leather rimmed steering wheel

Steering wheel boss.

Pair of seat harnesses. (fully approved)

Set of Belcar gauges-ammeter, oil pressure, vacuum, water temperature and tachometer.

Edge finishing strip. Large roll of vinyl tape.

Seat support bar. One tin of glue

### STEERING AND SUSPENSION COMPONENTS

Pair of front, top wishbones.

Pair of lower, track control arms.

Pair of front springs and shock absorbers.

Steering shaft.

Steering rack

Steering rack

Pair of rear springs and shock absorbers

Set of steering and suspension joints, bushes and track rod ends.

Steering column bush.

Steering column support bracket.

## MISCELLANEOUS

Universally jointed propshaft with grease nipples,

Set of six metal brake pipes and four flexi pipes.

Pair of ventilated discs

Wiring loom.

Engine mountings (fitted to body)

Radiator.

Gearbox support panel.

Set of four bonnet catches.

Set of turning front wing stays.

One nose cone grille and fixing brackets.

Demister vents.

One nose cone badge.

One rear number plate bracket.

Pair of rear wing stone guards and beading.

Perspex for instruments.

Build instruction, video

Tube of silicone sealant and gun.

Bonnet edge strips.

Spare wheel bolt

Shock absorber spanner. Boot infill panels.

Dummy rear wing piping.

Rear suspension covers

Rear body top angle.

Rear shock absorber brackets.

Rear strengthening plates.

Drill bits and metal off-cuts.

General fastener pack.

SERIES III KIT ONLY £1995 + VAT

Employing the same marketing strategy that made the Robin Hood Exmo the best selling kit in 1996, the Series III is being sold similarly except that all the popular extras are being included in the kit price, making this new kit even better value for money. We can keep the price low as less administration is required, you are buying direct from the manufacturers.

Read the specification sheet carefully, you will be amazed at the content. A new wiring loom enhances the Series III kit as does a sophisticated performance exhaust manifold. These supplement many other new items all intended to improve the quality of the Robin Hood and make your build simpler and quicker. The Series III monocoque body/chassis unit s a magnificent piece of engineering, it is built using the very best certified materials and the very latest CNC controlled profile cutting equipment. Virtually all the holes have been precisely cut for you ranging from very small holes for the 6mm bolts to all the dashboard instrument apertures. The body/chass unit is compete, there are no extra main panels to fit (unlike space frames where you have to fit inner and outer panels and even possibly paint the frame). Robin Hoods inboard shock absorbers have stood the test of time excellently complimenting the unique shock absorbing qualities of the monocoque design. GRP items are kept to a minimum and are self coloured so do not need painting in fact, one aerosol can is about all you will need to paint the few components on the car that need to be painted.

Your monocoque is designed to accept the parts straight from your donor vehicle, such as the rear subframe with its independent rear axle. The fresh air heater will fit straight in with virtually no modification, the engine, gearbox and brake system likewise. We now supply a brand new double universally jointed propshaft and steering shaft hence we no longer need parts from you for modification (again less administration for us reducing the cost to you).

The Series III, has been designed with the new SVA regulations in mind. Seat belts, lights, glass, etc. is all E' marked or BSI approved. All areas of the regulations have been considered. The full picture is not yet clear but RHE assure all purchasers of Series III kits that full support will always be available.

Terrific torsional rigidity is achieved with the new Series III monocoque, occupant safety and protection is also excellent. The fear of fire destroying your pride and joy is remote. Building your Robin Hood will give unlimited pleasure knowing that the car you are building will last forever. It is the kind of possession that you will pass onto your son with pleasure and confidence, it will not corrode or disintegrate. The mirror like finish needs only warm soapy water to maintain it. Adjustable coil over shock absorbers are fitted all round, the front suspension is adjustable for track, camber and castor to suit all needs and applications. A new steering rack and all front suspension joints are supplied. Items that have previously been sold as extras for Robin Hoods are now included in the Series III kit (most customers bought them anyway) bonnet louvres, back braced roll over bar, front crumple zone bumper bar and wet weather gear. The hood set is top notch with welded windows in the hood and sidescreens. An unbelievable sum has been spent on exhaust manufacturing equipment so that we can produce our new manifold, it is a tube performance item with equal length four into one pipes. The silencer although big bore has been quietened to comply with the new regulations. Five supplementary instruments are supplied together with a new wiring loom. To help you with the build, the scuttle (panel windscreen sits on) is now detachable so you can take it in at night and fit your wiper motor, instruments, etc. on your dining room table! Individual seats and luxury bound carpets complete the specification.

New for '97. New for '97.

## THE ROBIN HOOD 'EXMO'

## One zinc coated steel body/chassis unit

Welded together but requiring additional bolting together to complete

Self coloured GRP wings and nose cone. Zinc coated steel bonnet and edge strips. Stainless steel pedal box cover. Servo mounting panel.

Nose cone infill panels.
Front crumple zone bumper bar.

Two chrome headlamps.
Two sealed beam units.
Two rear lights with tapered plinths.
One number plate lamp.

Two wing repeater lamps.
Two front flasher lamps and bases.

Two rear fog lamps. Two reversing lamps.

One aluminium windscreen frame. Toughened glass windscreen. Pair of windscreen pillars. Windscreen rubber. Wiper blades.

Stainless steel fuel tank and gaskets. Fuel pipe and locking fuel filler cap. Fuel tank straps and fixing bolts.

One stainless steel silencer.
Stainless tube, performance manifold.

Pair of individual seats and support bar. Carpet set with contrasting binding. Mountney steering wheel and boss. Dashboard and cockpit side material. One map bag. Roll of vinyl tape. Tin of glue. Scuttle edge finishing strip. Steering shaft.

Steering column bush. Two front coil springs.

Two adjustable telescopic suspension units. Set of six metal brake pipes and front flexis.

Radiator.

Universally jointed propshaft. Pair of engine mounts. Steering column support bar.

Four front wings stays.

Set of four bonnet catches.

Nose cone badge. Nose cone grille. Boot infill panels.

One rear number plate bracket.

Spring seats. Rear body top angle.

Rear wing pipings.

Rear shock absorber brackets.

Rear axle check straps. Shock absorber spanner.

Pair of rear wing stone guards and beading.

Tube of silicone sealant and gun.

Demister vents.

Rear strengthening plates.

Drill bits, spare wheel bolt, metal off cuts. General fastener pack with pop rivets.

Pair of protective gloves.

Three sheets of wet and dry paper.

Perspex for instruments. Build instruction

TOTAL KIT PRICE FOR THE ROBIN HOOD EXMO IS ONLY £1170 + VAT

## **Useful and General Information**

Having read the previous pages, you will now be familiar with the specification of the kits that we at Robin Hood Engineering can offer. The monocoque body/chassis units built by Robin Hood Engineering are probably the strongest and safest of all the units produced for this type of kit. Safety and long life has been given preference over competition ability but performance is still very good. The aluminium Series III bodies which will be available soon will satisfy all competition uses. Robin Hood cars are marginally larger dimensionally than others of their ilk, resulting in a larger cockpit area which easily accommodates taller drivers. Robin Hood Engineering are now firmly established as suppliers of inexpensive, quality kits. Producing this style of kit for over ten years, the Sierra based packages launched in 1994 have sold in record numbers bringing ownership of this popular replica within the reach of almost every motor enthusiast. Last year our Exmo model which paved the way for the Series III, was an outstanding success and the years best selling kit car.

The Series III Stainless Steel Body/Chassis unit. The Series III monocoque body/chassis unit is made from 1mm mirror like stainless steel with all the structural sections made from thicker 1.5mm stainless steel. It is a complete monocoque body/chassis unit and does not require any additional welding, bolting together or main panels fitting to it. It does not require painting.

Nearly all the holes and apertures have been pre-cut, these include provision for fitting the whole of the donor vehicles heating and demister system, dashboard instruments, handbrake and gear lever, fuse box and pedals. Apertures are also pre-cut to assist fitment of the petrol tank, exhaust, suspension, steering components, wipers, engine mountings and many more. In fact a total of apertures are cut during the manufacture of the body/chassis unit to ensure easy assembly. The whole of the scuttle (the panel the windscreen sits on) is detachable. The strength of the monocoque body/chassis unit is obvious and offers far better accident protection than the space frame type chassis. Obviously fire resistance compared to glass reinforced plastic cars if far superior.

### The Exmo body/chassis Unit

The Robin Hood Exmo (Export Model), was the exciting new addition to the Robin Hood range of value for money kits introduced in 1996 at an incredibly low price, this kit offers the builder on a budget a unique opportunity to own this style of vehicle. The Robin Hood Exmo also utilises a safe and strong monocoque body/chassis unit. The Exmo bodyshell is manufactured from zinc coated steel, the zinc coating abates rusting but will require painting, this body/chassis unit will require additional bolting together to complete it. For only £350 plus VAT extra, you can opt for a fully welded, 1mm thick, mirror like stainless steel body/chassis unit as in our colour brochure, the obvious advantages is that the stainless steel will not require painting and resists corrosion.

The Ford Sierra Donor Vehicle. Possibly the last rear wheel drive mass made donor vehicles to be made. These have been available since 1982, it is the earlier models that are coming up at the lowest prices. Development work has utilised the series one and two Ford Sierra with the 1600cc and 2000cc (carburettored) engines. From the Sierra you can dispose of the bodyshell, glass, boot, bonnet and upholstery. You will need to keep the engine, gearbox, back axle assembly, stub axles, track control arms, anti rollbar, steering rack, brakes, battery, steering column, steering column controls, heater, handbrake, instruments, wiring loom. pedals. servo wiper unit. possibly the road wheels and tyres.

New Propshaft and Steering Shaft

In the past, Robin Hood Engineering have modified the customers propshaft and steering shaft, this is no longer the case. We now supply you with a brand new propshaft which has two universal joints with tradition grease nipples. Likewise a new twin universal jointed steering shaft is also supplied. Again in the past the rear trailing arms were needed for modification by us (or they were exposed) now they are cleverly incorporated in the Series III design. The whole of the rear subframe is fitted without modification. New rear coil over shock absorbers are supplied.

## SUSPENSION

The Series III (front) suspension is the result of much development, it retains the Sierras lower track control arms and anti roll bar and is supplemented with Robin Hood Engineering's own top triangulated wishbones with inboard, adjustable, coil over shock absorbers. This set up is cosmetically attractive and handles extremely well. Coupled with the independent suspension at the rear, road holding is excellent and the ride is smooth.

The Exmo Suspension (front) utilises the well proven McPherson strut front suspension system. The front suspension location structure cleverly incorporates head lamp brackets and wing stays with a stress balanced configuration, thus resulting in a cosmetically pleasing, functional design. It retains the Sierras lower track control arms and anti roll bar. This system is easy to set up and maintain. The Series III kit is supplied with triangulated wishbones and inboard springs and shock absorbers, the labour saving and parts saving in not supplying these alternative components in the Exmo kit are passed onto the customers in this extremely competitively priced package.

Rear suspension on both the Series III and the Exmo the Ford Sierras rear wheel drive independent suspension is used, road holding is extremely good. The monocoque body/chassis units have excellent vibration absorption qualities making the ride smooth and comfortable more like an expensive production car than a kit car.

Engine Options. Due to the strength of the Robin Hood body/chassis unit it is possible to fit more powerful engines than those of the Sierra. There is also adequate space in the engine bay for engines up to the Rover V8 size. To prove the strength of our body/chassis units, we have fitted a Jaguar V12, 5.3 litre engine, this is not a standard engine option. We will soon be supplying a V8 fitting pack which will include engine mountings and twin performance manifolds.

<u>The GRP Colour</u> The wings and nose cone are supplied in self coloured Glass Reinforced Plastic (GRP) in either Signal Red or British Racing Green. Front cycle wings are supplied as standard\*

**The Trim Colour.** Standard\* trim colour is Slate Grey to match both the red and green GRP. Twin vinyl traditionally styled seats are supplied in the kit. Newly designed superior carpets with contrasting bound edges are supplied. These are pre-cut to make fitting easy.

\*Standard colour may change depending on current stock. Check with the factory for current options.

#### Wet Weather Equipment

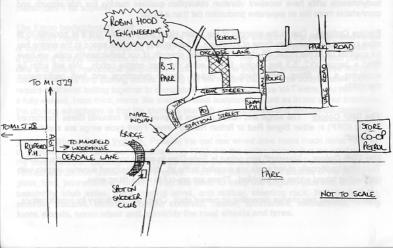
The hood and sidescreen set supplied in the kit is manufactured from top quality black fabric and is of a new design with welded windows.

If required, a tonneau cover with optional roll bar cut outs can be supplied, again these are manufactured from top quiaity black fabric and are included on the optional extras list on the order form.

<u>Visiting Robin Hood Engineering.</u> We are close to the M1 motor way (see map below) and are open for sales, viewing and test rides on Saturdays only between 10.30am and 4.00pm, it is best to telephone during the week to make sure that we are open when you hope to visit as we also exhibit at many shows throughout the year. General telephone enquiries can be made during the week. We urge all customers to come and test drive the Robin Hood, it handles extremely well and feels very solid. <u>Do not be mislead by the low prices, come to our factory and see for yourself exactly what you get in the kit. We belief that you won't find better value for money in the world!</u>

Robin Hood Engineering at the Shows Robin Hood Engineering try to attend most of the kit car shows throughout the year, the dates and locations can be found in the kit car press. Check with either ourselves or the show organisers to find our if we will be at the show you plan to visit.

How to find Robin Hood Engineering. Robin Hood Engineering are about 10 minutes from junction 29 of the M1 motor way. Exit the M1 at junction 28 or 29 and head towards Mansfield. At the traffic light junction with the Rufford Pub on the corner head towards Mansfield Woodhouse (sign posted). Go under the bridge and at the next set of lights turn left into Station Street. Take your 1st left and follow the road (Grove Way) round, take the second road on the right which is Oxclose Lane. Robin Hood Engineering are about 100 yards up here on the right hand side opposite the Robin Hood Junior School.



#### Left Hand Drive Packages

Left hand drive kits are now available, just add £150 plus VAT to the price or without charge if two or more kits are ordered.

Insuring your Robin Hood. The Robin Hood is recognised by all specialist kit car insurance brokers, for a competitive quote contact one of these brokers (they advertise in the kit car magazines) rather than general motor insurers. For example, Adrian Flux quoted that a 40 year old with maximum No Claims Bonus wanting third party fire and theft insurance with limited mileage of 5000 miles a year would pay only £100. Adrian Flux can be contacted on 01553 691266.

How to order a Kit. Using either the Series III kit or the Exmo kit order form attached, complete the section with your name, address and daytime telephone number. Go through the extras ticking any that you require. Finally sign, date and return the form with your deposit of £50 to Robin Hood Engineering Ltd, Oxclose Lane, Mansfield Woodhouse, Nottinghamshire, NG19 8DF. England. This nominal deposit secures a kit at the price ordered. Full payment of the kit is not required until the day of collection (see payment arrangements).

### Payment of your kit.

A Proforma invoice is usually sent out to customers prior to collection. Payment can be made either:

\*10 days before collection (to allow for clearance)

by personal, business, bank or building society cheque.

\*On the day of collection

by Bankers Draft or credit/debit cards only.

<u>Collecting your kit.</u> Kits are despatched in large numbers on one designated day, Kits are to be collected from our factory at Mansfield Woodhouse. The collection day (Saturday) is usually an enjoyable event where the many collectors have a chance to meet up with other owners and many long term friendships are formed. These bulk despatches involve Robin Hood Engineering in less administrative work and helps to keep the cost of the kits low.

<u>Vehicle/trailer required to collect your kit.</u> Below is a table showing the size of the two kits available (remember the Exmo kits front cross member is the widest point of the body at 52" and is 19" above the floor). To collect the kit, you will require a long wheel base Transit van, Luton bodied van or almost any trailer, Even a camping trailer can be used where the body/chassis unit sits on top of the trailer and the components either go into the tub like monocoque construction, in the trailer or in the back of your car. We have even seen kits collected in horse boxes and on roof racks!

	LENGTH	WIDTH	HEIGHT
EXMO	120"	48"	24"
SERIES III	132"	48"	24"

Assistance while building the kit. The video supplied with the kit, whilst being an amateur production, is particularly informative. Robin Hood Engineering belief that customers should have no problems at all with their build. Just in case they do a Technical help line is also available manned by knowledgeable Robin Hood builders.

Registering your Robin Hood and the New Single Vehicle Approval Scheme. As you may be aware, new regulations covering kit cars are due to be introduced from the 1st July 1997. Forms for registering your Robin Hood can be applied for from your Local Vehicle Registration Office, the number should be in your phone book.

It does appear that your Robin Hood kit will have to be submitted for a Single Vehicle Approval (SVA) test. We can assure all customers that the Series III kit will pass the SVA test, we have been working hard to make the necessary changes to the design of the Robin Hood kits to enable future kits to pass these tests which are similar to Type Approval which all motor cars have to attain. So, as long as you construct your Robin Hood following our instructions and guidance, then you will no problem with the SVA and getting your kit legally on the road.

If at this stage you would like to know more about the SVA test, see the kit car press or contact your local VRO or the Vehicle Inspectorate on 01792 458888

How Can Robin Hood Engineering Offer Such Good Value For Money? We manage to offer low priced, comprehensive kits by purchasing all the components and materials in bulk which enables us to pass the savings onto the customer. The introduction of a new production line has increased and quickened our manufacturing output. It is intended that the Robin Hood kit sell in volume, again reducing the cost to the customers. By paying a deposit of only £50, this fixes the price of the kit. All prices are subject to VAT at the standard rate. The deposit is refundable if when collecting your kit you are not happy. All prices can change without prior notice, order now to avoid disappointment. A copy of our Terms and Conditions is available on request or on display at our premises. Robin Hood Engineering Ltd reserve the right to refuse an order without reason.

## Anticipated Collection dates for both Exmo Kits and Series III kits

Although we can not guarantee collection dates at this time. Below is a list of possible collection dates, please check with us when ordering your kit of definite collection dates.

- Saturday, 1st March 1997
- Saturday, 26th April 1997
- Saturday,28th June 1997
- 4. Saturday,6th September 1997
- Saturday,1st November 1997

Here we have answered many of the common questions put to us by new customers, if you have further queries we will be happy to answer them for you.

Order now to avoid any price increase and disappointment. £50 deposit fixes price

# ROBIN HOOD EXMO KIT ORDER FORM

Name			
Address	Address		
Daytime Telephone No	Devicate Helestrale Hylometri		
Dayume releptione No			
Listed below are 'optional extras' which are popular additions to kits but a complete your car. Please read through the list carefully, if you require any or relevant box.			
THE ROBIN HOOD EXMO KIT	£1170 + VAT		
Standard kit as detailed with zinc coated steel body/cha	ssis unit		
Optional Extras			
Bolt on back braced roll over bar.	£ 70 + VAT ( )		
Bonnet louvres.	£ 40 + VAT ( )		
Hood Set - quality black vinyl hood, frame, sidescreens and fixings.	£ 250 + VAT ( )		
Full, zipped tonneau cover with fixings.	£ 100 + VAT ( )		
Spare wheel cover.	£ 20 + VAT ( )		
Hand brake and gear lever gaitors.	£ 20 + VAT ( )		
Exhaust silencer, stainless steel heat protector.	£ 35 + VAT ( )		
Securon Three-point Harnesses (pair)	£ 60 + VAT ( )		
GRP: Signal Red / British Racing Green/ Yellow - Trim: Black	£ 50 + VAT ( )		
Pair of long, swept front wings instead of cycle type	£ 50 + VAT()		
	( )		
	( )		
	( )		
Standard Colours - GRP (wings and nosecone) - Oxford	Blue.		
Standard Interior Trim Colour : Blue			
Preferred Collection Date	Polyment Calestonic Plans		
Customers Signature:Deposit Paid	£		
Date:			
To assist us with our advertising, please indicate where Should you have any further will be happy to assist you.	you first saw the kit queries regarding this kit we		
Please complete and return this order form with your £50 deposit (non-refundal	ble) to:		

ROBIN HOOD ENGINEERING LTD.

OXCLOSE LANE, MANSFIELD WOODHOUSE, NOTTINGHAMSHIRE, NG19 8DF, ENGLAND.

## ROBIN HOOD SERIES III KIT ORDER FORM

Name	
Address	
Daytime Telephone No	
Having decided on a Series III kit, you will receive a package as de Listed below are 'optional extras' which are additions to kits but are no car. Please read through the list carefully, if you require any of these ex	t necessary for you to complete your
THE SERIES III, FORD SIERRA BASED KIT	£ 1995 + VAT
Optional extras	
Pair of swept, long front wings instead of cycle type	£ 50 + VAT ( )
Full, zipped tonneau cover with fixings.	£ 100 + VAT ( )
Spare wheel cover.	£ 20 + VAT ( )
Exhaust silencer, stainless steel heat protector.	£ 35+VAT ( )
Left hand drive option	£ 150 + VAT ( )
Yellow / blue GRP (please specify which)	£ 50 + VAT( )
	( )
	( )
	( )
GRP Colour: Signal Red / British Racing Green	Deposit Paid £
Customers Signature:	Standard Colours - GRP
Date:	Standard Interfor Trim Colo
Preferred Collection Date:	
Although a collection date can not be guaranteed at the time the order is plac the suggested date. A Proforma invoice will be sent to you confirming the date are available on request.	
To assist us with our advertising, please indicate where you first say	v the kit:

Should you have any further queries regarding our kits we will be happy to assist you. Please complete and return this order form with your deposit, if on collection of your kit, the kit does not meet with your expectations then we will gladly refund your deposit. Send your order and deposit to:

ROBIN HOOD ENGINEERING LTD, OXCLOSE LANE MANSFIELD WOODHOUSE, NOTTS, NG19 8DF, ENGLAND.