

# **HPI** **CHALLENGE** **2002**

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## **INFORMATION PACK**

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In Association with :



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## INTRODUCTION

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Welcome to the 4<sup>th</sup> year running of the UK - HPI Challenge.

The HPI Challenge started in 1998 and has continued to grow across the World and is now regarded as one of the strongest, without doubt the fastest and most competitive cost controlled Manufactures Race Series in the world.

With continuing sponsorship from **Team Orion**, **HPI** and **Radio Race Car International** magazine and additional support from **Pirelli Tyre Ltd**, **Mitsubishi Motors UK**, **Hot Bodies** and the **BRCA** – So you can see we have the complete package to organise the best and most fun race series in the UK...

Anyway, loads of you have raced in the HPI Challenge series before and it's always good to see so many familiar faces coming back to race again, as well as the new starters we see every year. I'm sure you'll agree, that once you get to know us, we're a friendly bunch who always seem to enjoy ourselves – that's our aim anyway...

This year's series will again finish with a UK Final, followed by the European Final and ultimately, the HPI Challenge World Finals. This basically means we can organise these 'end of year' finals in fantastic venues, while keeping your costs as low as possible. These races abroad are organised for the whole family with loads of other activities planned away from the racing - these weekends are much more than just a race meeting in a foreign country, so they're well worth attending *if* you get the chance....

### A little bit of HPI 'Challenge' history for you...

The HPI Challenge started sometime after a meeting during September of 1998. Jason Dearden, HPI Europe's General Manager decided that we required a 'cost controlled' race series that could cater for all racers from first-time racers to seasoned Pro's.

In the beginning the following classes and rules were created:

- RS4 Electric Mini
- RS4 Electric Sport
- RS4 Electric Pro
- RS4 Nitro Stock
- RS4 Nitro Modified
- RS4 Super Nitro Modified

As well as creating these simple rules and classes for you, our drivers, we have tried to improve general race standards and expectations of modern race meetings. We already realised that many racers were fed up with paying for expensive motors, batteries and especially tyres that wear-out after a few runs, so we created rules to control all these issues. We even controlled 'gear ratios' so the cars run pretty much the same speed as each other (which also makes duration problems a thing of the past even with 'street spec' type batteries).

HPI created these National, European and World Championships to find the best drivers of HPI cars, not the drivers with the largest budgets, we hope you agree with our objectives!!

The HPI Challenge is run by racers, for racers - we hope you enjoy the series.

Are you ready for the Challenge, we certainly are...

Please have a read of the following information pack, and we'll see you around the race tracks soon.

Yours truly,

Greg Hill,  
HPI Europe Race Series and Special Events Manager  
Tel – 01283 229400 Ext 205  
Fax – 01283 229401  
Email – [greghill@hpi-europe.com](mailto:greghill@hpi-europe.com)

# HPI CHALLENGE 2002 UK SERIES – INFO PACK

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## UK SERIES – GENERAL

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The HPI Challenge is a National Series that will take you to the very best On-Road radio controlled racing circuits in the UK. We have 10 rounds this year at your favourite tracks where the HPI Challenge has visited before and some new, special rounds and venues. Hopefully you'll be familiar with at least some of the circuits chosen for this years 'Challenge'...

These are the venues for this years Challenge.

- |             |                           |   |
|-------------|---------------------------|---|
| • Round 1   | Mendip                    | 31 <sup>st</sup> March                            |
| • Round 2   | Wombwell                  | 28 <sup>th</sup> April                            |
| • Round 3   | Aldershot                 | 12 <sup>th</sup> May                              |
| • Round 4   | Benarty NC                | 26 <sup>th</sup> May                              |
| • Round 5   | Snetterton                | 9 <sup>th</sup> June                              |
| • Round 6   | Bedworth                  | 23 <sup>rd</sup> June                             |
| • Round 7   | Halifax                   | 7 <sup>th</sup> July                              |
| • Round 8   | Mitsubishi Motors UK      | 21 <sup>st</sup> July                             |
| • Round 9   | Rockingham Model Car Club | 4 <sup>th</sup> August                            |
| • Round 10  | Southend                  | 18 <sup>th</sup> August                           |
| • UK Finals | Silverstone GP Circuit    | 7 <sup>th</sup> / 8 <sup>th</sup> September (TBC) |

At the end of season we hold a special 2-day 'UK Final', this year that race will be held at the Silverstone 'Grand Prix' racing circuit in Northampton, England (TBC). This Final ultimately decides which drivers represent the UK Team at the European or World Finals later in the year.

During the season, each driver must attend **at least 5** rounds of the series **AND** attend the UK Finals to stand any chance of qualifying for the UK Team attending the European Finals. Obviously you need to be doing well in the UK Championship to stand a chance to be selected for the UK Team.

- There will be 10 races plus the UK Finals in the UK Series.
- Your best 5 results plus your result at the UK Finals count toward your final Championship points and position.
- NOTE - The UK Final (points) MUST count toward your Championship total.

## HPI CHALLENGE – UK FINALS (Saturday / Sunday)

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The UK Finals will be held at the World Famous Silverstone GP Circuit in Northampton over the weekend of the 7<sup>th</sup> / 8<sup>th</sup> September 2002.

**PLEASE NOTE – At this time, we are still waiting for this event to be confirmed!! Details will be confirmed ASAP.**

- **Silverstone Race Circuit** (Northampton, England)
- 7<sup>th</sup> / 8<sup>th</sup> September
- Special 2 day UK Finals
- HPI Staff will be present
- The BRCA will be assisting HPI organising the UK Finals @ Silverstone
- Prize giving and European Qualification Ceremony

All results will be posted onto the HPI Europe Web Site ASAP after the event.

Check out – [www.hpi-europe.com](http://www.hpi-europe.com) or [www.hpichallenge.com](http://www.hpichallenge.com)

European Qualifiers to represent the UK Team will be announced at the end of the UK Finals.

# HPI CHALLENGE 2002 UK SERIES – INFO PACK

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## ENTRY DETAILS

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For all the rounds you wish to enter this year, send an Entry Form **and** Money direct to the hosting (RC) Club – See list and addresses below.

- Send **Individual** Entry forms to the tracks / contacts listed below.
- Entry Fees are £5.00 Per Class, Per Meeting (Remember - send your Entry Fees **with** your Entry Form).
- Make all Cheques payable to – Mirage RC Enterprises Ltd.

### **ROUND 1 MENDIP – 31<sup>st</sup> March**

John Crabtree (Savages)  
7, Newlyn Way,  
Yate,  
South Gloucestershire,  
BS37 7AX  
Tel - 01454 324506

### **ROUND 2 WOMBWELL – 28<sup>th</sup> April**

Clive Baily,  
135 Station Rd,  
Golcar,  
Huddersfield,  
HD7 4HX  
Tel - 01484 640804

### **ROUND 3 ALDERSHOT – 12<sup>th</sup> May**

Les Manwaring  
126a, Southway,  
Guildford,  
Surrey,  
GU2 8DH  
Tel - 07801 949815

### **ROUND 4 BENARTY NC – 26<sup>th</sup> May**

Douglas Stark,  
Benarty 1/10<sup>th</sup> Nitro Club  
18, Tiel Path,  
Glenrothes,  
Fife,  
KY7 5AX

Tel - 01592 765357

### **ROUND 5 SNETTERTON – 9<sup>th</sup> June**

John Guest,  
Genista,  
2, Prosperous Row,  
Stacksford,  
Oldbuckenham,  
Norfolk  
NR17 1PD  
Tel - 01953 452477

### **ROUND 6 BEDWORTH – 23<sup>rd</sup> June**

Bob / Dale Burr,  
74 Brackley Close,  
Coventry,

CV6 2BL.

Tel - 01203 332421

### **ROUND 7 HALIFAX – 7<sup>th</sup> July**

Muriel / John Russell,  
17, Mill Grove,  
Brighouse,  
West Yorkshire,  
HD6 2FA

Tel - 01484 711298

### **ROUND 8 MITSUBISHI MOTORS UK – 21<sup>st</sup> July**

Greg Hill,  
Mirage RC Enterprises Ltd,  
Units 1 – 3,  
Queens Drive Ind Est,  
Swadlincote,  
Derbyshire.  
DE11 0EG.

Tel – 01283 226570 Ext 205

### **ROUND 9 ROCKINGHAM MODEL CAR CLUB – 4<sup>th</sup> August (at Rockingham Motor Speedway, Northampton)**

Mr Alan Course  
C/O MCM Racing  
2 Tresham st  
Kettering  
NN16 8RS

Tel No 01536 410379

### **ROUND 10 SOUTHEND – 18<sup>th</sup> August**

Ray Cockman,  
31, Kensington Road,  
Southend on Sea,  
Essex,  
SS1 2SX

Tel - 01702 467310

### **UK FINALS (TBC) SILVERSTONE – 7<sup>th</sup> / 8<sup>th</sup> September**

Greg Hill,  
Mirage RC Enterprises Ltd,  
Units 1 – 3,  
Queens Drive Ind Est,  
Swadlincote,  
Derbyshire.  
DE11 0EG

Tel – 01283 226570 Ext 205

# HPI CHALLENGE 2002 UK SERIES – INFO PACK

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## GENERAL RULES

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HPI reserve the right to adjust the rules (in the interest) of the HPI Challenge at any time.

**Confirmations of rules** can be attained and / or confirmed by Greg Hill (The HPI Challenge European Co-ordinator).

If you have a dispute contact Greg Hill or the race organiser.

Serious breaches of the HPI Challenge Rules / Aggressive or Threatening behaviour during the day could result in a competitor been disqualified and asked to leave the meeting immediately. In these serious circumstances, the meeting will be stopped until the competitor has left the circuit premises.

- The official language of the HPI Challenge is English, this includes at European finals and World Finals.
- No sponsored or supported "Team" drivers in the RS4 GTi / Mini Class, RS4 Sport Class and the RS4 Nitro Stock Class.
- HPI Factory Sponsored Drivers will not be allowed to compete in the HPI Challenge series
- Competitors are welcomed to enter up to 2 Classes in the HPI Challenge.
- No Electronic Gyro's allowed at any time.
- **ALL** Nitro Cars **MUST BE** fitted with a **FAIL-SAFE unit** (throttle servo re-centralising system).
- Accurate Crystal Information is VERY IMPROTANT. This year if you change crystals or supply the WRONG crystals you may be subjected to a £1.00 fine which is donated to the host club. If in doubt phone to confirm your crystals before you turn up. This has caused many problems in the HPI Challenge and is simple to inform the race organisers if you need to change crystals!!!
- Bad driving can result in time penalties or warnings from race control or the Race Referee. If bad driving is repeated a 10-second penalty followed by the loss of your FTD will be issued.
- Coaching of drivers (during races) is not allowed.
- Mobile phones are not allowed on the rostrum or to be used during marshalling.
- The Host Club will provide commentary for all Finals if possible.
- Swearing is not allowed at any time.

## RACE FORMAT

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Every driver will have 3 Rounds of Qualifying and 2 (Leg) Finals.

In the event of a tie on points after those 2 Finals, the highest placed QUALIFIER wins.

The following Staggered Starts will be used in:

- Round 1                      Numbers 1 – 10
- Round 2 / 3                Fasted Time of the Day
- Finals                         Grid Start, Numbered 1 – 10

Nitro Classes will have 1 (one) 10 minute final - not 2 finals like Electric classes.

Nitro cars **MUST** make at least 1 (one) pit stop for fuel in the finals.

Electric Finals will be 5 minutes long.

## SCRUTINEERING

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Every car will be scrutineered after Round 1 of qualifying. Individual cars will be selected and checked throughout the day also.

If a car fails scrutineering, you will lose the qualifying time from *that* round only and the relevant changes **MUST** be made before being allowed to qualify again.

## MARSHALLING

# HPI CHALLENGE 2002 UK SERIES – INFO PACK

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Drivers **MUST** marshal the Heat / Final immediately after your race.

If you do not marshal you **WILL** lose your FTD.

Do not leave your marshal post until you've been relieved.

Marshalls must wear the (Orange) Marshal Bibs – this is for your own safety, and so we can see if you are marshalling.

## OPTION PARTS

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The following 'Other Manufactures Parts' may be used in the HPI Challenge as we understand that they do not make any difference to the performance of our cars.

All parts used **MUST** be commercially available.

General-purpose parts such as

- Spur Gears and Pinion (although the number of teeth **MUST** be clearly marked / indented)
- Turnbuckles, Hinge Pins, Screws and Ball Studs
- Motor Heatsinks (Clip on type Motor Heatsink / electric classes only)
- Fuel Pipes, Fuel Filters and Air Filters for Nitro cars only.
- Screws, Lock-nuts and Washers
- HPI Gear Diff Adjustment Spring Set (Pt No. 72215)
- Ariel Tubes and Ariel Mounts
- Battery Pack Retaining Straps (i.e. Velcro straps)
- Body Pins and Transponder Holders
- Shock Spacers (to adjust ride height)

**Hot Bodies** option parts and bodyshells for HPI Cars may be used in the HPI Challenge. **See individual Class Rules for details.**

Other items apart from what's listed above will be judged legal or illegal by the race organizer on the day.

## NITRO ENGINE RULING

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Due to a world-wide shortage of Nova Rossi (badged) engines, we have decided to allow ANY 12" size **Nova Rossi** (SIDE EXHAUST) Engines, ANY 12" size **Team Orion** (SIDE EXHAUST) Engines and the 18" size **Hot Bodies** (SIDE EXHAUST) Engines in the Nitro Modified and Super Nitro Modified classes in the HPI Challenge. **No Rear Ported Engines are allowed at all.**

You can run ANY of the **HPI** 12" and 15" size engines in those classes as well.

HPI or Hot Bodies Exhausts and Manifolds **MUST** be used.

See individual 'Nitro Classes' for specific rules were applicable.

## CHAMPIONSHIP POINTS

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No Points are awarded from qualifying.

Points will be awarded for finishing position from Finals in every Class / Final

If you choose not to run in your Final, you will be awarded 'Last Place Position' in that Final.

If there is a Tie on points, the Highest Qualifier wins.

Points will be awarded as follows:-

1<sup>st</sup> – 100 Points

# HPI CHALLENGE 2002 UK SERIES – INFO PACK

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11<sup>th</sup> = 90 Points  
12<sup>th</sup> = 89 Points  
and so on...

## PRIZES

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There will be free raffle at the end of every race meeting.

The Prizes will be handed out ASAP after the Finals finish.

1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> place finishers in every Final receive 'Team Orion / HPI Money Vouchers'

At the end of the year each Class Winner receives:

- A large "HPI Challenge Trophy"
- Minimum £200 Cash Donation (toward his / her flight to the European Finals)
- A brand-new HPI Kit

There will be 6 Class Winners at the end of the year and a Junior Champion (from all the Classes combined).

The following drivers will qualify for the European Finals at the end of the UK Series. (Please note this number may change nearer the European finals as we may receive 'reserve' entries nearer the race!)

- 3 RS4 GTi / Mini
- 3 RS4 Electric Sport
- 6 RS4 Electric Pro
- 3 RS4 Nitro Stock
- 3 RS4 Nitro Modified
- 3 RS4 Super Nitro Modified

HPI Europe will provide Qualifiers for the European Finals all details to help you plan your trip to attend the race after the UK Series.

The Date (TBC) for the European Finals is the 27<sup>th</sup> / 28<sup>th</sup> / 29<sup>th</sup> September 2002.

The European Finals is being planned to be held in Greece in 2002 – Details TBC.

## **HPI CHALLENGE 2002 UK SERIES – INFO PACK**

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### **CONCOURSE DE 'ELEGANCE – Supported by Mitsubishi Motors UK.**

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We are proud to announce the Concourse Competition is being supported by Mitsubishi Motors UK whom will provide some superb prizes at every round of the HPI Challenge 2002.

The Concourse de 'Elegance competition will be held between Qualifying and Finals.

All competitors are encouraged to enter their cars.

The winner of the Concourse competition will win £20 of HPI / Team Orion Vouchers.

A Winning body may only win the Concourse once!!

# HPI CHALLENGE 2002 UK SERIES – INFO PACK

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## HPI CHALLENGE 2002 EUROPEAN FINALS – INFORMATION (TBC)

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The HPI Challenge 2002 - European Finals will be held after the UK Finals.

The Date will be the 27<sup>th</sup> / 28<sup>th</sup> / 29th September

Entry to the HPI Challenge European Finals is £20 per class per driver.

The Top 3 Qualifiers from each Class in the UK Championship will have their Race Fees paid for.

Other details will be confirmed ASAP.

## HPI CHALLENGE 2002 EUROPEAN FINALS – QUALIFICATION (TBC)

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There are several ways to Qualify for the HPI Challenge 2002 – European Finals.

- For UK racers, qualification is through the National series.
- The Class Winners from each class in the UK Championship will receive free entry to the European Finals and win a minimum £200 contribution towards your Aeroplane tickets to get to the race!
- Reserve / last minute spaces in the race will be offered on a 'first come, first served' basis after the official Qualifiers have been selected.

For more information check the HPI Challenge Web Site - [www.hpichallenge.com](http://www.hpichallenge.com) or the usual HPI Europe Web Site – [www.hpi-europe.com](http://www.hpi-europe.com)

**\*\*Please note that the rules and race format at the European Finals may differ slightly from the rules used in the HPI Challenge UK Series\*\***

# **WIP** **CHALLENGE** **2002**

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***RULES***

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# HPI CHALLENGE 2002 UK SERIES – INFO PACK

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## QUALIFYING and FINALS

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Minimum of 3 Rounds of Qualifying.  
2 Leg Finals for everyone.  
FTD Qualifying.  
Stagger Starts.  
5 Minute Races.

## CAR

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Standard HPI RS4 Sprint GTi and RS4 Mini's only (RS4 Mini Pro is not allowed).

Max Width (GTi) = 190mm.  
Max Width (Mini) = 165mm.

- Standard Kit Springs must be used on BOTH cars.
- Ballraces are allowed as direct replacement for standard bushings.
- No other modifications or structural changes are allowed in this Class.

## BODYSHELLS

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Any HPI GTi Bodies and HPI Mini BodysHELLS are legal (Note that the Mini Miata body is not allowed).  
HPI Foam Bumpers may be used.  
Standard wings only may be used.  
All bodysHELLS and Wings must be cut out and mounted as standard, unless otherwise agreed.

## TYRES

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B15-40 Racing Belted Slick (Mini cars use Pt No. 4533). Part No. 4435  
Belt may not be removed from tire.  
Any foam inserts can be used.  
HPI, Team Orion and Hot Bodies Wheels can be used.

## MOTORS

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Team Orion Core Stock RS Rebuildable (27T Stock Motor) Part No. 20020 / 21  
Team Orion Chrome Stock RS Rebuildable (27T Stock Motor) Part No. 20003 / 04  
Motor MUST be fitted with 'laydown' Team Orion Brushes. Part No. 41201  
Motors can be serviced at any time.

## NOTE

- You cannot 'cut', 'shape' or 'drill' the brushes or remove the eyelet.
- You cannot solder the brushes directly onto the motor can.
- You cannot tune or bend the brush springs.

## GEAR RATIOS (TBC)

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48DP Gears only. All Pinions MUST be clearly MARKED or STAMPED for easy scrutineering.

Sprint GTi Gear Ratio's.

Maximum Pinion Size	(48DP)	32 tooth
Minimum Spur Gear	(48DP)	87 tooth

RS4 Mini Gear Ratio.

Maximum Pinion Size	(48DP)	35 tooth
Minimum Spur Gear	(48DP)	87 tooth

## BATTERIES

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Any Batteries that are BRCA legal and commercially available are allowed.  
Maximum Capacity 3000Mah.

# HPI CHALLENGE 2002 UK SERIES – INFO PACK

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## QUALIFYING and FINALS

---

Minimum of 3 Rounds of Qualifying.  
2 Leg Finals for everyone.  
FTD Qualifying.  
Stagger Starts.  
5 Minute Races.

## CAR

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Standard HPI RS4 Sport 2, RS4 Rally (Rally Bodies only) and RS4 Sprint cars.

Max Width = 200mm.

Minimum Weight Limit = 1500g.

- Standard Kit Springs must be used on ALL cars.
- Ballraces are allowed as direct replacement for standard bushings.
- Adjustable Turnbuckles may be used.
- Saddle Pack batteries may be used (Sport 2 and Sprint cars only).
- No other modifications or structural changes are allowed in this Class.

## BODYSHELLS

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Any 190mm or 200mm HPI / HB BodysHELLS are legal (Please note - The HPI and HB Dodge Stratus 190mm or 200mm is not allowed in the Electric Sport Class).

HPI Foam Bumpers may be used.

Touring Car Rear Wings Set (Pt No. 7115) or Standard wings may be used.

All bodysHELLS and Wings must be cut out and mounted as standard, unless otherwise agreed.

## TYRES

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B15-40 Racing Belted Slick.

Part No. 4435

Belt may not be removed from tire.

Any foam inserts can be used.

HPI, Team Orion and Hot Bodies Wheels can be used.

## MOTORS

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Team Orion Core Stock RS Rebuildable (27T Stock Motor)

Part No. 20020 / 21

Team Orion Chrome Stock RS Rebuildable (27T Stock Motor)

Part No. 20003 / 04

Motor MUST be fitted with 'laydown' Team Orion Brushes.

Part No. 41201

Motors can be serviced at any time.

## NOTE

- You cannot 'cut', 'shape' or 'drill' the brushes or remove the eyelet.
- You cannot solder the brushes directly onto the motor can.
- You cannot tune or bend the brush springs.

## GEAR RATIOS (TBC)

---

48DP Gears only. All Pinions MUST be clearly MARKED or STAMPED for easy scrutineering.

Maximum Pinion Size (48DP) 34 tooth

Minimum Spur Gear (48DP) 87 tooth

## BATTERIES

---

Any Batteries that are BRCA legal and commercially available are allowed.

Maximum Capacity 3000Mah.

# HPI CHALLENGE 2002 UK SERIES – INFO PACK

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## QUALIFYING and FINALS

---

Minimum of 3 Rounds of Qualifying.  
2 Leg Finals for everyone.  
FTD Qualifying.  
Stagger Starts.  
5 Minute Races.

## CAR

---

Any RS4 Pro 2, RS4 Pro 3, RS4 Pro 3 'S' Spec, RS4 Sprint or (190mm) RS4 Sport 2.

Max width = 190mm.  
Minimum Weight Limit = 1500g.  
No structural changes.  
Any HPI or Hot Bodies hop up options are allowed.

## BODYSHELLS

---

Any 190mm wide HPI / HB Bodyshells are allowed (Note 200mm cars / bodies are not allowed).  
HPI Foam Bumpers may be used.  
Touring Car Rear Wings Set (Pt No. 7115) or Standard wings may be used – 190mm Max Width.  
All bodyshells and Wings must be cut out and mounted as standard, unless otherwise stated.

## TYRES

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B15-40 Racing Belted Slick Part No. 4435  
Belt may not be removed from tire.  
Any foam inserts can be used.  
HPI, Team Orion and Hot Bodies Wheels can be used.

## MOTORS

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Team Orion Pro BB 2 (12x3) Part No. 22015  
Motor MUST be fitted with Team Orion Euro Brushes. Part No. 41105  
Motors can be serviced at any time.

## NOTE

- You cannot 'cut', 'shape' or 'drill' the brushes or remove the 'Euro' eyelet.
- You cannot solder the brushes onto the motor can.
- You cannot tune or bend the brush springs.

## GEAR RATIO

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64DP or 48DP gears only.  
All Pinions must be clearly MARKED or STAMPED for easy scrutineering.

Maximum Pinion Size	(48DP)	30 tooth
Minimum Spur Gear	(48DP)	87 tooth
Maximum Pinion Size	(64DP)	40 tooth
Minimum Spur Gear	(64DP)	116 tooth

### Pro 3 (only) Gear Ratio's.

Maximum Pinion Size	(48DP)	30 tooth
Minimum Spur Gear	(48DP)	81 tooth
Maximum Pinion Size	(64DP)	37 tooth
Minimum Spur Gear	(64DP)	100 tooth

## BATTERIES

---

Any Batteries that are BRCA legal and commercially available are allowed.  
Maximum Capacity 3000Mah.

# HPI CHALLENGE 2002 UK SERIES – INFO PACK

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## QUALIFYING and FINALS

---

Minimum of 3 Rounds of Qualifying.  
10 Minute Finals for everyone.  
FTD Qualifying.  
Stagger Starts.  
5 Minute Qualifying.

## CAR

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Any standard RS4 Nitro 2, RS4 Nitro 3 and RS4 Ready To Run cars will be allowed in this class.  
Max Width = 200mm.  
Minimum Weight Limit = 1600g.  
HPI Black "Progressive" Springs only Part No. 6836  
Ballraces are allowed as direct replacements for standard bushings.  
**All Nitro Cars MUST BE fitted with a FAIL-SAFE unit.**  
No other modifications apart from those listed below in these rules.

## BODYSHELLS

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Any 200mm HPI / HB Bodyshells are legal (Please note - The HPI and HB Dodge Stratus body is not allowed in the Nitro Stock Class).  
HPI Foam Bumpers may be used.  
Touring Car Rear Wings Set (Pt No. 7115) or Standard wings may be used.  
All bodyshells and Wings must be cut out and mounted as standard, unless otherwise stated.

## AIR HOLES

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A 50mm Hole is allowed in the front window (same size as a BRCA number sticker!).  
Side and rear windows may be cut as required.  
Other holes may be cut to allow Engine Heatsinks, Large Air Filters and access to the glow plug only.

## TYRES

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B15-40 Racing Belted Slick Part No. 4435  
Belt may not be removed from tire.  
Any foam inserts can be used.  
HPI, Team Orion and Hot Bodies Wheels can be used.

## ENGINE

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Standard HPI .12 or .15 engine fitted with the Larger Carburettor #1694 or Twin-needle Carb #1634.  
(RS4 Nitro cars can run 15FE engine – #1615 and Plastic Exhaust / Muffler set - #A869).  
HPI or Hot Bodies Engine Heatsinks may be used.  
Clutch Shoe and Spring components (Part No. A886) may be fitted.  
The Internal Restrictor may be removed from the Exhaust.  
All other components within the engine (including Exhaust) must remain standard. E.g. No engine / Carb / Crank boring, grinding, removing parts etc.  
The engine's Pull Start must work at all times!  
HPI Distributors hold the right to inspect any engine at any time. The engine may be inspected by the Distributor and returned within 7 days with a ruling.

## GEAR RATIOS

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13 / 14 / 15 teeth Clutch Bells are allowed (Nitro 3 = Max - 19 teeth Clutch Bell).  
Engine Mounts may be used Part No. A863  
Alloy Gear brace may be used Part No. A907  
Hardened Differential Outdrives may be used Part No. 72133

## FUEL

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Drivers will provide their own fuel.  
Maximum 30% Nitro content.  
Standard Fuel Tanks Must Be Used

# HPI CHALLENGE 2002 UK SERIES – INFO PACK

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## QUALIFYING and FINALS

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Minimum of 3 Rounds of Qualifying.  
10 Minute Finals for everyone.  
FTD Qualifying.  
Stagger Starts.  
5 Minute Qualifying.

## CAR

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Any RS4 Nitro Racer, RS4 Racer 2, RS4 Nitro 2, RS4 Nitro 3 or HPI Ready-To-Run cars are allowed.

Max Width = 200mm  
Minimum Weight Limit = 1600g  
No structural changes.  
Any HPI and Hot Bodies options will be allowed.  
**All Nitro Cars MUST BE fitted with a FAIL-SAFE unit.**

## BODYSHELLS

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Any 200mm HPI / HB Bodyshells are legal  
HPI Foam Bumpers may be used.  
Touring Car Rear Wings Set (Pt No. 7115) or Standard wings may be used.  
All bodyshells and Wings must be cut out and mounted as standard, unless otherwise stated.

## AIR HOLES

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A 50mm Hole is allowed in the front window (same size as a BRCA number sticker!).  
Side and rear windows may be cut as required.  
Other holes may be cut to allow Engine Heatsinks, Large Air Filters and access to the glow plug only.

## TYRES

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B15-40 Racing Belted Slick Part No. 4435  
Belt may not be removed from tire.  
Any foam inserts can be used.  
HPI, Team Orion and Hot Bodies Wheels can be used.

## ENGINE

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**Please check the listing of engines that are legal in the 2002 HPI Challenge on Page 7 of this Information Pack.**

All components within the engine (including Exhaust) must remain standard. E.g. No engine / Carb / Crank boring, grinding, removing parts etc.  
HPI Distributors hold the right to inspect any engine at any time. The engine may be inspected by the Distributor and returned within 7 days with a ruling.  
HPI or Hot Bodies Engine Heatsinks may be used.  
Exhaust must remain intact and as standard.

## GEAR RATIOS

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2 Speed Gearbox is allowed. Part No. A910.  
Heavy Duty 2 Speed Gearbox. Part No. 72516

## FUEL

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Drivers will provide their own fuel.  
Maximum 30% Nitro content.  
HPI Fuel Tanks Must Be Used.  
Fuel Pipes must not be longer than 20cm in length.

# HPI CHALLENGE 2002 UK SERIES – INFO PACK

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## QUALIFYING and FINALS

---

Minimum of 3 Rounds of Qualifying.  
10 Minute Finals for everyone.  
FTD Qualifying.  
Stagger Starts.  
5 Minute Qualifying.

## CAR

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Any RS4 Super Nitro or RS4 Super Nitro Rally.  
No structural changes.  
Any HPI and Hot Bodies options will be allowed.  
**All Nitro Cars MUST BE fitted with a FAIL-SAFE unit.**

## BODYSHELLS

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Any Super Size HPI BodysHELLS.  
HPI Foam Bumpers may be used.  
Standard wings may be used, only if supplied with body.  
All bodysHELLS and Wings must be cut out and mounted as standard, unless otherwise stated.

## AIR HOLES

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A 50mm Hole is allowed in the front window (same size as a BRCA number sticker!).  
Side and rear windows may be cut as required.  
Other holes may be cut to allow Engine Heatsinks, Large Air Filters and access to the glow plug only.

## TYRES

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Any HPI Super Nitro Racing tyre may be used.  
Belt may not be removed from tire.  
Any foam inserts can be used.  
HPI Wheels MUST be used.

## ENGINE

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**Please check the listing of engines that are legal in the 2002 HPI Challenge on Page 7 of this Information Pack.**

All components within the engine (including Exhaust) must remain standard. E.g. No engine / Carb / Crank boring, grinding, removing parts etc.  
HPI Distributors hold the right to inspect any engine at any time. The engine may be inspected by the Distributor and returned within 7 days with a ruling.  
HPI or Hot Bodies Engine Heatsinks may be used.  
Exhaust must remain intact and as standard.

## GEAR RATIOS

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2 Speed Gearbox is allowed.	Part No. A911.
Heavy Duty 2 Speed Gearbox.	Part No. 72516

## FUEL

---

Drivers will provide their own fuel.  
Maximum 30% Nitro content.  
HPI Fuel Tanks Must Be Used.  
Fuel Pipes must not be longer than 20cm in length.