



FITTING INSTRUCTIONS CP0587 AERO CRASH PROTECTORS (RACE/ DRILL KIT)



THIS KIT CONTAINS THE ITEMS PICTURED AND LABELLED OVER PAGE.

SOME PARTS MAY BE SHOWN FOR CLARITY OF INSTRUCTIONS ONLY.

DO NOT PROCEED UNTIL YOU ARE SURE ALL PARTS ARE PRESENT.

PLEASE READ ALL INSTRUCTIONS BEFORE PROCEEDING.

**IF IN ANY DOUBT WHEN FITTING OUR PRODUCTS, CONSULT ONE OF OUR DEALERS
OR HAVE FITTED BY A QUALIFIED TECHNICIAN.**

PLEASE NOTE THAT THE WAY THE KIT IS PACKED DOES NOT NECESSARILY REPRESENT THE WAY OF
MOUNTING TO THE BIKE.

IN THE EVENT OF RUBBER WASHERS BEING USED TO HOLD COMPONENTS ONTO BOLTS,
THESE RUBBER WASHERS CAN BE THROWN AWAY.

DIGITAL COPIES OF THESE INSTRUCTIONS ARE AVAILABLE FROM:

WWW.RG-RACING.COM

R&G Racing

Unit 1, Shelley's Lane, East Worldham, Alton, Hampshire, GU34 3AQ

Tel: +44 (0)1420 89007 Fax: +44 (0)1420 87301 www.rg-racing.com Email: info@rg-racing.com



<u>TOOLS REQUIRED</u>	<u>GENERAL TORQUE SETTINGS</u>
• 17mm & 19mm A/F SOCKET & WRENCH • TORQUE WRENCH (UP TO 50Nm) • SUITABLE SUPPORT JACK • ALLEN KEYS • SCREW DRIVER'S • 28mm HOLE SAW (HS0001RE) • 2-4 mm DRILL BITS • DRILL • PEN OR PENCIL	M4 BOLT = 8Nm M5 BOLT = 12Nm M6 BOLT = 15Nm M8 BOLT = 20Nm M10 BOLT = 40Nm M12 BOLT = 40Nm

LEGEND

ITEM NO.	DESCRIPTION	QTY
ITEM 1	CRASH PROTECTOR (B0472 WITH CS452)	2
ITEM 2	BOBBIN CAP (BC0002)	2
ITEM 3	LHS SPACER (48MM) S0391	1
ITEM 4	RHS SPACER (38MM) S1493	1
ITEM 5	SPACER (5MM UNDER BOLT HEAD SPACER) S0295	2
ITEM 6	M12x1.25x120MM HEX HEAD BOLT (RHS)	1
ITEM 7	M12x1.25x130MM HEX HEAD BOLT (LHS)	1
ITEM 8	LOCKING WASHER LW0001	2
ITEM 9	T0030 MARKING TOOL	1

AERO-STYLE CRASH PROTECTOR ORIENTATION

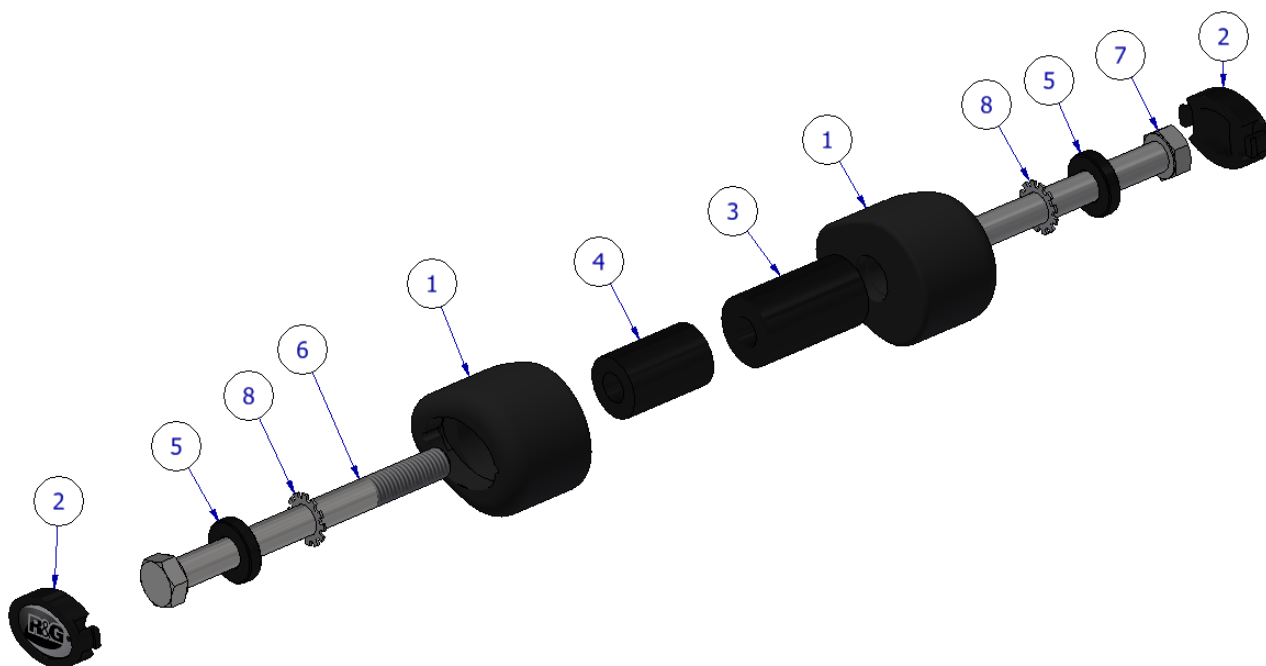




LHS & RHS EXPLODED ASSEMBLY VIEW

RHS

LHS



FITTING PICTURES



PICTURE 1



FITTING INSTRUCTIONS

Before removing engine bolts, ensure the bike is upright and supported by a suitable engine stand or jack placed under the sump of the motorbike to support the partial weight of the engine, this will prevent the engine from moving during fitting. DO NOT REMOVE MORE THAN 1 ENGINE BOLT AT ANY TIME.

PREPARATION:

Assemble the crash protectors before removing the engine bolts to limit the amount of time the engine is partially un-supported.

1. Following the assembly diagram place one of the M12 spacers (**ITEM 5**) over the bolts (**ITEMS 6 & 7**) followed by the shake proof washer (**ITEM 8**).
2. Insert the 120mm bolt (**ITEM 6**) with washer and spacer into the bobbin (**ITEM 1**) followed by the 38mm spacer (**ITEM 4**). **THIS IS THE RHS ASSEMBLY.**
3. Then insert the 130mm bolt (**ITEM 7**) with washer and spacer into the bobbin (**ITEM 1**) followed by the 48mm long spacer (**ITEM 3**). **THIS IS THE LHS ASSEMBLY.**

INSTALLATION:

1. Remove the OEM belly pan.
2. Place a suitable jack beneath the engine in a central position using a piece of wood between the jack and engine.
3. Remove the RHS upper fairing.
4. Remove the RHS OEM Engine mount bolt as shown in Picture 1.
5. Insert the **POINTY** marking tool (**ITEM 8**) into the engine mount hole.
6. Place the RHS fairing back onto the bike ensuring it's mounted correctly and all bolts are tight.
7. Press the fairing into the marking tool, this should leave a nice mark on the inside of the fairing.
8. Remove the RHS fairing.
9. Once removed. **Drill a 2-4mm pilot hole from the inner side** of the fairing where the pen or pencil mark is.
10. Now there is a small pilot hole. **Drilling from the outside of the fairing**, use a 28mm hole saw to create a larger hole for the new Crash Protector kit. **(Hole saw can be purchased from the R&G website. Part number HS0001RE)**
11. Place the RHS fairing back onto the bike.
12. Place the new RHS R&G crash protector assembly previously assembled through the fairing and into the engine mount hole. Tighten the bolt using a 19mm socket and wrench.
13. Tighten with a torque wrench using the GENERAL TORQUE SETTING on page 2.
14. Now repeat steps 3 – 12 for the LHS.
15. Once the LHS is completed, ensure all bolts are tightened.
16. Remove the jack from underneath the bike.
17. Re-fit the OEM belly pan.

Please note: *Torque of the engine/bobbin bolts should be checked at regular intervals when doing routine maintenance/servicing. Rotation of bobbin's are correct compared to the image on page 2.*



ISSUE 1 - 15/01/2025 (JH)

CONSUMER NOTICE

The catalogue description and any exhibition of samples are only broad indications of the Products and R&G may make design changes which do not diminish their performance or visual appeal and supplying them in such state shall conform to the order. The Buyer acknowledges no representation or warranty (other than as to title) has been given or will apply to the Products other than those in R&G's order or confirmation and the Buyer confirms it has chosen the Products as being of merchantable quality and suitable for its particular purposes. Where R&G fits the Products or undertakes other services it shall exercise reasonable skill and care and rectify any fault free of charge unless the workmanship has been disturbed. The Buyer is responsible for ensuring that the warranty on the motorcycle is not affected by the fitting of the Products. On return of any defective Products R&G shall at its option either supply a replacement or refund the purchase money but shall not be liable if the Products have been modified or used or maintained otherwise than in accordance with R&G's or manufacturer's instructions and good engineering practice or if the defect arises from accident or neglect. Other than identified above and subject to R&G not limiting its liability for causing death and personal injury, it shall not be liable for indirect or consequential loss and otherwise its liability shall be limited to the amounts paid by the Buyer for the Products or the fitting or service concerned. These terms do not affect the Buyer's statutory rights.

R&G RACING RETURNS POLICY (NON-FAULTY GOODS)

Returns must be pre-authorized (if not pre-authorized the return will be rejected). Goods may only be returned direct to us if they were purchased direct from us (customer must prove if necessary). Otherwise to be returned to original vendor. Goods must be in re-sellable condition, in the opinion of R&G Racing. All returns are subject to a 25% restocking and handling fee (25% of the gross value exc. P&P – at the prevailing price at time of purchase). The customer must pay any and all carriage charges. No returns of discontinued products, unless within 14 days of purchase. This policy does not affect your statutory rights and does not refer to faulty goods.

R&G Racing

Unit 1, Shelley's Lane, East Worldham, Alton, Hampshire, GU34 3AQ

Tel: +44 (0)1420 89007 Fax: +44 (0)1420 87301 www.rg-racing.com Email: info@rg-racing.com



NOTICE DE MONTAGE CP0587 PROTECTIONS CRASH (COURSE/KIT PERÇAGE)



CE KIT CONTIENT LES ARTICLES ILLUSTRÉS ET ÉTIQUETES SUR LA PAGE.

CERTAINES PARTIES PEUVENT ÊTRE PRÉSENTES UNIQUEMENT POUR LA CLARTÉ DES INSTRUCTIONS.

NE PAS PROCÉDER AU MONTAGE TANT QUE VOUS N'ÊTES PAS SÛR QUE TOUTES LES PIÈCES SOIENT PRÉSENTES.

VEUILLEZ LIRE TOUTES LES INSTRUCTIONS AVANT DE CONTINUER.

EN CAS DE DOUTE LORS DU MONTAGE DE NOS PRODUITS, CONSULTEZ UN DE NOS REVENDUEURS OU FAITES APPEL À UN TECHNICIEN QUALIFIÉ.

VEUILLEZ NOTER QUE LA FAÇON DONT LE KIT EST EMBALLÉ NE REPRÉSENTE PAS NECESSAIREMENT LA MANIÈRE DE LE MONTER SUR LA MOTO.

SI DES RONDELLES EN CAOUTCHOUC SONT UTILISÉES POUR MAINTENIR LES COMPOSANTS SUR LES BOULONS, ELLES PEUVENT ÊTRE JETÉES.

NOTICE DISPONIBLE AU TÉLÉCHARGEMENT SUR :

WWW.RG-RACING.COM

R&G Racing

Unit 1, Shelley's Lane, East Worldham, Alton, Hampshire, GU34 3AQ

Tel: +44 (0)1420 89007 Fax: +44 (0)1420 87301 www.rg-racing.com Email: info@rg-racing.com



<u>OUTILS REQUIS</u>	<u>VALEURS DE SERRAGE</u>
• CLÉ À CLIQUET + DOUILLES 17mm & 19mm • CLÉ DYNAMOMÉTRIQUE (JUSQU'À 50 Nm) • CRIC DE SUPPORT ADAPTÉ • CLÉS ALLEN • TOURNEVIS CRUCIFORMES • SCIE TROU 28mm (HS0001RE) • FORETS 2-4 mm • PERCEUSE • STYLO OU CRAYON	M4 BOULON = 8Nm M5 BOULON = 12Nm M6 BOULON = 15Nm M8 BOULON = 20Nm M10 BOULON = 40Nm M12 BOULON = 40Nm

LÉGENDE

ARTICLE NO.	DESCRIPTION	QTÉ
ARTICLE 1	PROTECTION CRASH (B0472 AVEC CS452)	2
ARTICLE 2	CAPUCHON DE PROTECTION (BC0002)	2
ARTICLE 3	ENTRETOISE CÔTÉ GAUCHE (48MM) S0391	1
ARTICLE 4	ENTRETOISE CÔTÉ DROIT (38MM) S1493	1
ARTICLE 5	ENTRETOISE (5MM ENTRETOISE SOUS LA TÊTE DU BOULON) S0295	2
ARTICLE 6	M12x1.25x120MM BOULON (CÔTÉ DROIT)	1
ARTICLE 7	M12x1.25x130MM BOULON (CÔTÉ GAUCHE)	1
ARTICLE 8	RONDELLE DE BLOCAGE LW0001	2
ARTICLE 9	T0030 OUTIL DE MARQUAGE	1

ORIENTATION DE LA PROTECTION CRASH



R&G Racing

Unit 1, Shelley's Lane, East Worldham, Alton, Hampshire, GU34 3AQ

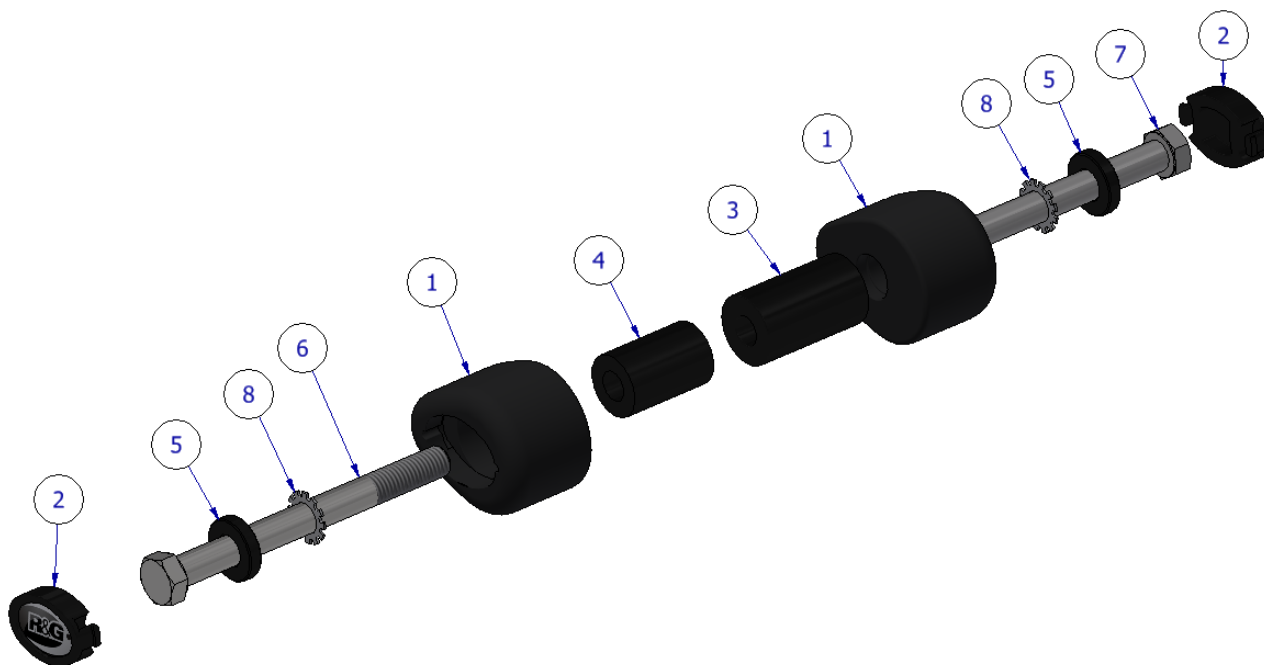
Tel: +44 (0)1420 89007 Fax: +44 (0)1420 87301 www.rg-racing.com Email: info@rg-racing.com



VUE D'ENSEMBLE CÔTÉ GAUCHE & DROIT

DROITE

GAUCHE



PHOTOS DE MONTAGE



PHOTO 1

R&G Racing

Unit 1, Shelley's Lane, East Worldham, Alton, Hampshire, GU34 3AQ

Tel: +44 (0)1420 89007 Fax: +44 (0)1420 87301 www.rg-racing.com Email: info@rg-racing.com



NOTICE DE MONTAGE

Avant de retirer les boulons du moteur, assurez-vous que la moto soit en position verticale et soutenue par un support moteur ou un cric approprié placé sous le carter de la moto pour supporter le poids partiel du moteur, cela empêchera le moteur de bouger pendant le montage. NE RETIREZ PAS PLUS D'UN BOULON DU MOTEUR À LA FOIS.

PRÉPARATION :

Assemblez les protections crash avant de retirer les boulons du moteur pour limiter la durée pendant laquelle le moteur est partiellement sans support.

4. En suivant le schéma d'assemblage, placez l'une des entretoises M12 (ARTICLE 5) sur les boulons (ARTICLES 6 et 7), puis la rondelle anti-vibration (ARTICLE 8).
5. Insérez le boulon de 120 mm (ARTICLE 6) avec la rondelle et l'entretoise dans la protection (ARTICLE 1), puis l'entretoise de 38 mm (ARTICLE 4). CECI EST L'ASSEMBLAGE DU CÔTÉ DROIT.
6. Insérez ensuite le boulon de 130 mm (ARTICLE 7) avec la rondelle et l'entretoise dans la protection (ARTICLE 1), puis l'entretoise de 48 mm de long (ARTICLE 3). CECI EST L'ASSEMBLAGE DU CÔTÉ GAUCHE.

INSTALLATION:

18. Retirez le sabot moteur d'origine.
19. Placez un cric adapté sous le moteur en position centrale en utilisant un morceau de bois entre le cric et le moteur.
20. Retirez le carénage supérieur droit.
21. Retirez le boulon de support moteur d'origine droit comme indiqué sur la photo 1.
22. Insérez l'outil de marquage pointu (ARTICLE 8) dans le trou de support moteur.
23. Remettez le carénage droit sur la moto en vous assurant qu'il soit correctement monté et que tous les boulons soient serrés.
24. Appuyez sur le carénage sur l'outil de marquage, cela devrait laisser une marque à l'intérieur du carénage.
25. Retirez le carénage droit.
26. Une fois retiré. Percez un trou pilote de 2 à 4 mm à partir du côté intérieur du carénage où se trouve la marque au stylo ou au crayon.
27. Il y a maintenant un petit trou pilote. En perçant depuis l'extérieur du carénage, utilisez une scie cloche de 28 mm pour créer un trou plus grand pour le nouveau kit de protection crash (La scie cloche peut être achetée sur le site Web de R&G. Numéro de pièce HS0001RE).
28. Remettez le carénage côté droit sur la moto.
29. Placez le nouvel ensemble de protection crash côté droit R&G précédemment assemblé à travers le carénage et dans le trou de montage du moteur. Serrez le boulon à l'aide d'une douille et d'une clé de 19 mm.
30. Serrez avec une clé dynamométrique en utilisant le RÉGLAGE DE COUPLE GÉNÉRAL à la page 2.
31. Répétez maintenant les étapes 3 à 12 du côté gauche.
32. Une fois le côté gauche terminé, assurez-vous que tous les boulons soient serrés.
33. Retirez le cric de dessous la moto.
34. Remontez le carter inférieur d'origine.

R&G Racing

Unit 1, Shelley's Lane, East Worldham, Alton, Hampshire, GU34 3AQ

Tel: +44 (0)1420 89007 Fax: +44 (0)1420 87301 www.rg-racing.com Email: info@rg-racing.com



Attention : Le couple de serrage des boulons du moteur/de la protection doit être vérifié à intervalles réguliers lors de l'entretien/réparation de routine. La rotation doit être semblable à l'image de la page 2.

ISSUE 1 - 15/01/2025 (JH)

CONSUMER NOTICE

The catalogue description and any exhibition of samples are only broad indications of the Products and R&G may make design changes which do not diminish their performance or visual appeal and supplying them in such state shall conform to the order. The Buyer acknowledges no representation or warranty (other than as to title) has been given or will apply to the Products other than those in R&G's order or confirmation and the Buyer confirms it has chosen the Products as being of merchantable quality and suitable for its particular purposes. Where R&G fits the Products or undertakes other services it shall exercise reasonable skill and care and rectify any fault free of charge unless the workmanship has been disturbed. The Buyer is responsible for ensuring that the warranty on the motorcycle is not affected by the fitting of the Products. On return of any defective Products R&G shall at its option either supply a replacement or refund the purchase money but shall not be liable if the Products have been modified or used or maintained otherwise than in accordance with R&G's or manufacturer's instructions and good engineering practice or if the defect arises from accident or neglect. Other than identified above and subject to R&G not limiting its liability for causing death and personal injury, it shall not be liable for indirect or consequential loss and otherwise its liability shall be limited to the amounts paid by the Buyer for the Products or the fitting or service concerned. These terms do not affect the Buyer's statutory rights.

R&G RACING RETURNS POLICY (NON-FAULTY GOODS)

Returns must be pre-authorised (if not pre-authorised the return will be rejected). Goods may only be returned direct to us if they were purchased direct from us (customer must prove if necessary). Otherwise to be returned to original vendor. Goods must be in re-sellable condition, in the opinion of R&G Racing. All returns are subject to a 25% restocking and handling fee (25% of the gross value exc. P&P – at the prevailing price at time of purchase). The customer must pay any and all carriage charges. No returns of discontinued products, unless within 14 days of purchase. This policy does not affect your statutory rights and does not refer to faulty goods.

R&G Racing

Unit 1, Shelley's Lane, East Worldham, Alton, Hampshire, GU34 3AQ

Tel: +44 (0)1420 89007 Fax: +44 (0)1420 87301 www.rg-racing.com Email: info@rg-racing.com