

Nos produits sont conçus pour être utilisés correctement et avec précaution, pour l'usage auquel ils sont destinés. The Tool Connection décline toute responsabilité quant à l'usage incorrect de ses produits et ne saurait être tenue responsable de quelque dommage corporel ou matériel que ce soit, affectant le personnel, les biens ou les équipements lors de l'utilisation des outils. Un usage incorrect annulera également la garantie.

Le cas échéant, la base de données d'applications et toutes les instructions fournies ont été conçues pour offrir des directives d'ordre général sur l'usage d'un outil particulier et, bien qu'une attention toute particulière ait été portée à l'exactitude des données, aucun projet ne doit être entrepris sans se reporter tout d'abord à la documentation technique du constructeur (manuel d'atelier ou d'utilisation) ou sans avoir recours à une autorité reconnue telle qu'Autodata.

Nous appliquons une politique d'amélioration continue de nos produits et, de ce fait, nous nous réservons le droit de modifier les caractéristiques techniques et les composants sans préavis. C'est à l'utilisateur qu'incombe la responsabilité de s'assurer du caractère approprié des outils et des informations avant leur utilisation.



Safety First. Be Protected.

Garantie

Dans le cas d'une défaillance de ce produit résultant d'un défaut matériel ou d'un vice de fabrication, contacter directement notre Service Entretien au : **+44 (0) 1926 818186**. La garantie exclut l'usure normale, les consommables et l'usage abusif.



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Kineton Road, Southam, Warwickshire CV47 0DR, Royaume-Uni
Tél. +44 (0) 1926 815000 Fax +44 (0) 1926 815888
info@toolconnection.co.uk www.toolconnection.co.uk



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LASER[®]

6250



Outil pour douille de sous-châssis avant Groupe Volkswagen Audi

Instructions



Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by the Tool Connection for incorrect use of any of our products, and the Tool Connection cannot be held responsible for any damage to personnel, property or equipment when using the tools. Incorrect use will also invalidate the warranty.

If applicable, the applications database and any instructional information provided has been designed to offer general guidance for a particular tool's use and while all attention is given to the accuracy of the data no project should be attempted without referring first to the manufacturer's technical documentation (workshop or instruction manual) or the use of a recognised authority such as Autodata.

It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.



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Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: **+44 (0) 1926 818186**. Normal wear and tear are excluded as are consumable items and abuse.



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info@toolconnection.co.uk www.toolconnection.co.uk



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6250

Front Engine Subframe Bush Tool Volkswagen Audi Group

Instructions



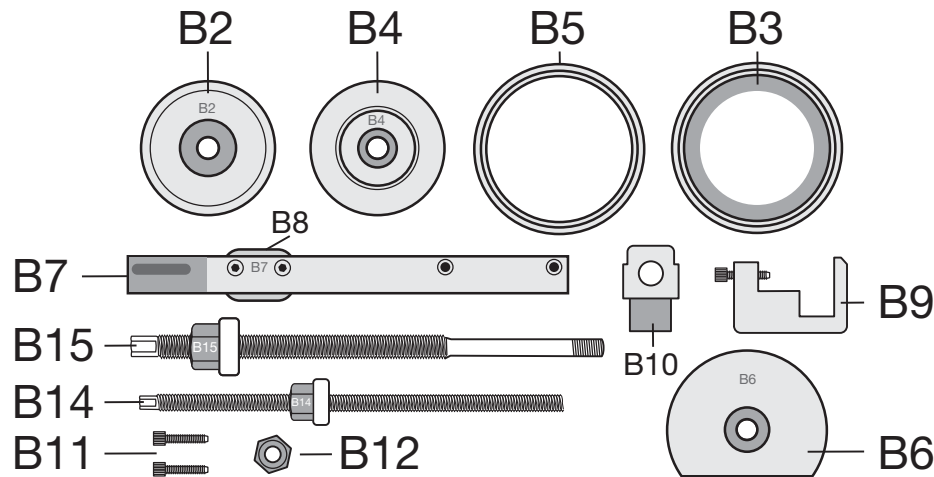
www.lasertools.co.uk

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Front Engine Subframe Bush Tool - VAG

Tool for extracting and refitting the two-part engine support steady bar bush as fitted to the front subframe of VAG models listed. If an ordinary puller were to be used, the two-part bush will jam in the steady bar aperture as it is withdrawn; similarly a new bush will jam against the aperture as it is inserted. This kit includes components to seal off the side of the aperture to enable easy extraction and insertion of the bushes. The tool also allows the job to be carried out without removing the subframe from the vehicle, making this a considerable time saver for the workshop as well as making it a one-man job.

Components



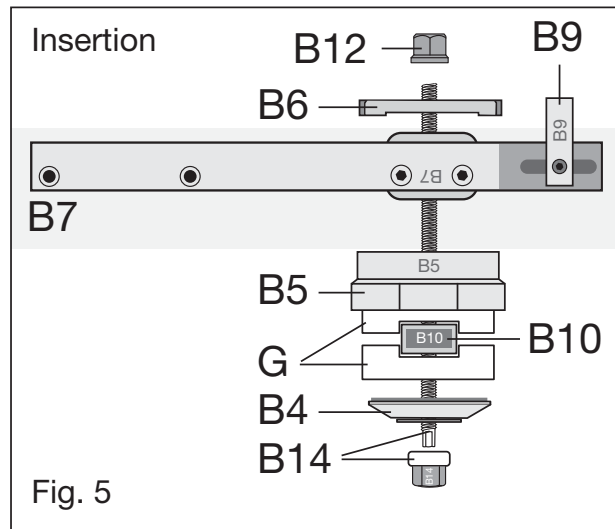
Component	
B2	Extraction reaction collar
B4	Bush collar extraction / insertion
B5	Tapered insertion guide tube
B3	Extraction bush receiver
B7	Aperture plug mounting bar
B8	Aperture plug
B9	Securing / adjustment bracket for B7
B10	Bush Alignment insert (dummy steady bar)
B15	Force screw (extraction)
B14	Force screw (insertion)
B11	Set screws (for securing B7)
B12	Top nut (force screws)
B6	Insertion reaction collar

- Before commencing the insertion process, once again check that everything is still in alignment and at 90° to the subframe. There are two vertical lines on the **B5** insertion guide tube to assist with this.
- Steadily turn the bottom nut on the force screw (**B14**) to pull the two-part bush up and into the subframe. **Do not use power tools to turn the nut.**
- Once the new two-part bush is in position, unscrew the top nut from the force screw and remove all the puller components. Then remove the adjustment bracket **B9** and the aperture plug mounting bar **B7**.
- Retrieve the bush alignment insert (**B10**) from inside the aperture and then refit the steady bar and the steady support bracket.
- Refit the four (4) anti roll bar (sway bar) mounting bolts and the anti roll bar drop link.

Precautions:

- Always refer to manufacturer's documentation before commencing the job.
- The force screws (**B15** and **B14**) must be adequately lubricated with molybdenum disulphide grease before use.
- Do not** use air and/or impact power tools with the force screws. This will void the warranty.
- Before attempting to insert the new two-part bush, the main bush aperture in the subframe **must** be carefully cleaned to remove any dirt and corrosion. (Wear eye protection.)
- The subframe bush aperture and the both halves of the new two-part bush **must** be lubricated (white silicone grease) before fitting.
- After use clean all components thoroughly, particularly ensuring that the force screw (**B15** and **B14**) threads are clean and free from swarf, rust particles and grit.
- Store the tool and components in a dry place.
- Do not use the 6250 bush tool if any parts are damaged or missing; this may cause failure and / or personal injury.
- Do not work on or under a vehicle supported only by a jack. If lifting the vehicle with a jack it must be securely supported on safety axle stands.
- Note: always wear safety goggles, safety hat and safety boots when working under a car.

7. Steadily turn the bottom nut on the force screw (**B15**) to pull the two-part bush out of the subframe. **Do not use power tools to turn the nut.** The purpose of the aperture plug mounting bar is to fill the steady bar aperture and offer a flush wall for the bush to slide down. If the aperture is left open, the top half of the bush will try to expand into the aperture as it moves down. It will then catch on the bottom lip of the aperture and jam. The same will happen when fitting the new bush.
8. Before attempting to insert the new two-part bush, the main bush aperture in the subframe must be carefully cleaned to remove any dirt and corrosion. It is very likely that there is an amount of alloy oxidation and this must be removed (suggest a wire wheel in a power drill) to ensure that the new two-part bush will slide in cleanly to the correct position.
9. Run your hand up inside the bush aperture in the subframe and ensure that the face of the steady bar aperture plug (**B8**) is flush with the wall of the bush aperture. If it is not, it can be adjusted in or out by turning the adjustment screw (**E** in Figure 3). It is extremely important that the plug is flush with the bush aperture wall to ensure the new two-part bush slides in cleanly without catching.
10. Now lubricate this cleaned subframe aperture with white silicone grease and also use the same lubricant on the new two-part bush.
11. Lubricate the insertion force screw (**B14**) with molybdenum disulphide grease, then assemble the components of the puller and the new two-part bush as shown in Figure 5.



12. Note that the bush alignment insert (dummy steady bar) **B10**, is fitted between the two halves of the new two-part bush. This must be positioned at 90° to the subframe; the insert's function is to keep both halves of the new bush in the correct alignment during the insertion operation, which will then allow the insert to be removed through the aperture and the steady bar to be inserted back into the correct position.
13. Again, holding the anti roll bar up to gain clearance, place the reaction collar (**B6**) up over the subframe and onto the bush; secure onto the force screw (**B14**) with the top nut (**B12**).

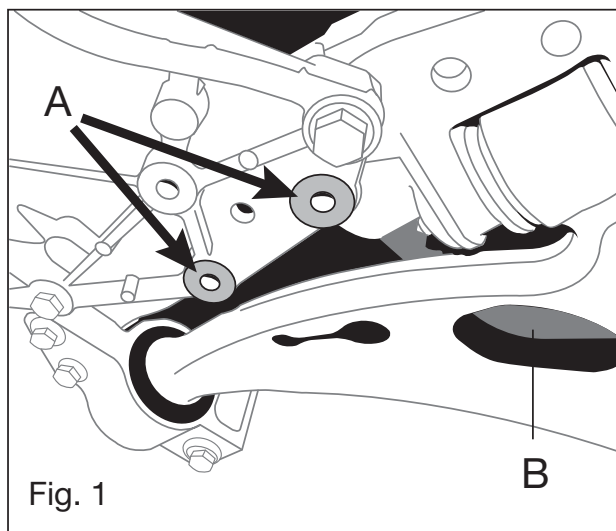
Applications

Make	Model	From Year	To Year
Audi	A3	-	2003
Audi	TT	2006	2010
Seat	Altea	-	2004
Seat	Leon	-	2005
Seat	Toledo	2004	2009
Skoda	Octavia	2004	2010
Volkswagen	Caddy III	2004	2010
Volkswagen	Eos	-	2006
Volkswagen	Golf Plus	2005	2009
Volkswagen	Golf V	2003	2009
Volkswagen	Golf VI	2008	2010
Volkswagen	Jetta III	2005	2010
Volkswagen	Touran	-	2003
Volkswagen	Passat	-	2005
Volkswagen	Scirocco	-	2008
Volkswagen	Tiguan	-	2007

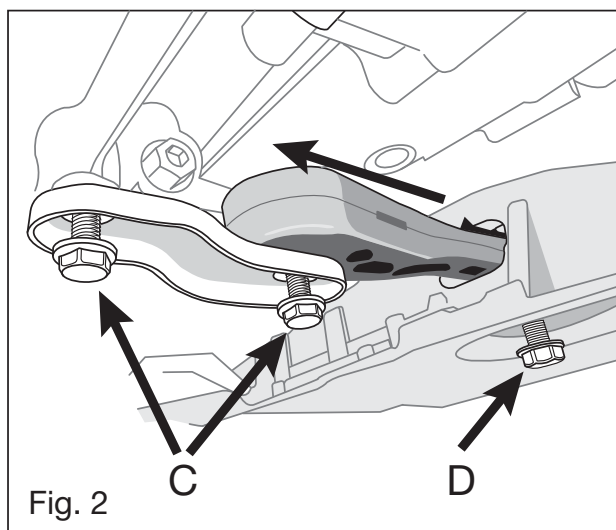
- **Note: The following component descriptions and instructions are provided for guidance only. Please refer to the vehicle manufacturer's documentation and instructions (or from another reputable information provider). The Tool Connection Ltd recommends the use of AutoData.**

Instructions

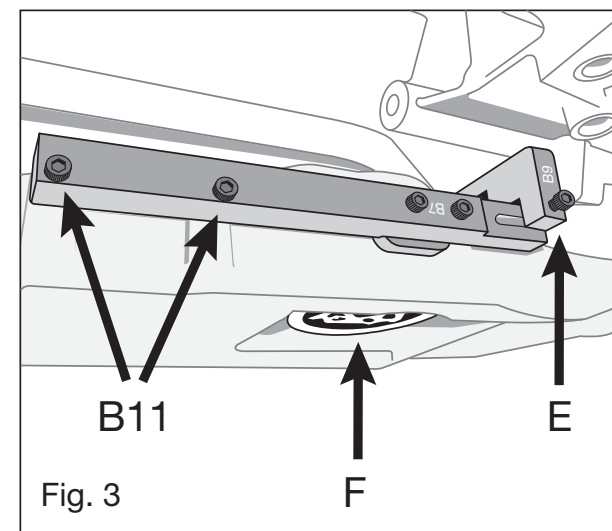
1. Always refer to the manufacturer's documentation before commencing the job.
2. Refer to Figure 1: Remove four (4) anti roll bar (sway bar) mounting bolts (A) and one anti roll bar drop link (can be from strut end). Figure 1 shows LH side. Anti roll bar (B) can now be pushed up to gain clearance above the subframe.



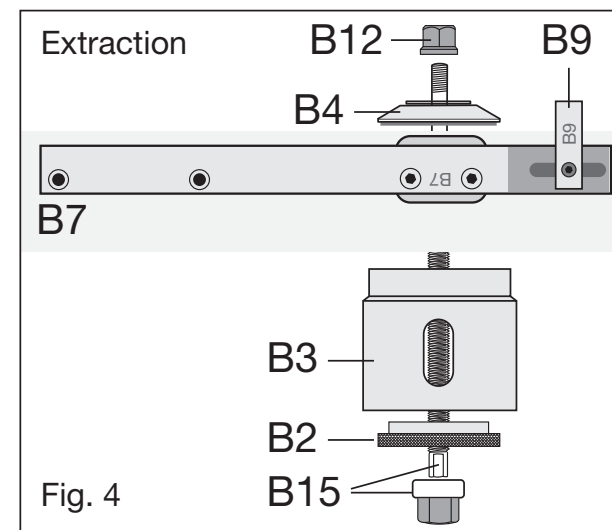
3. Refer to Figure 2: Remove the steady support bracket mounting bolts (C) and the steady bar (dog bone) mounting bolt (D), then withdraw and remove the steady bar.



4. Refer to Figure 3: Place the aperture plug mounting bar (B7) into position with the plug (B8) fitting into the aperture in the subframe. Secure with the provided set screws (B11). If there is difficulty in lining up the holes in the subframe to insert the set screws, loosen the plug (B8) securing screws to allow movement of the B7 assembly, then retighten.
5. Fit the Adjustment Bracket (B9), hooking over the back of the subframe. Ensure the end of the adjusting screw (E) is located in the shallow slot on the bar (B7). Tighten the adjusting screw (E) just enough to hold the assembly in tension.



6. The bush (F in Figure 3) can now be extracted. Lubricate the force screw (B15) with molybdenum disulphide grease, then assemble the puller as shown in Figure 4. Holding the anti roll bar up 0to gain clearance, place the bush collar (B4) up over the subframe and onto the bush; secure onto the force screw (B15) with the top nut (B12).



Nuestros productos están concebidos para ser utilizados correctamente y para el uso previsto. The Tool Connection no asumirá ningún tipo de responsabilidad por el uso incorrecto de cualquiera de sus productos, así como de los daños al personal, bienes o material en el uso de los mismos. Dicho uso incorrecto dará lugar igualmente a la invalidación de la garantía.

Si procede, la base de datos de aplicaciones y toda información acerca de las instrucciones suministrada han sido elaboradas para ofrecer información general acerca del uso de una herramienta en particular. Sin embargo, si bien procuramos la máxima exactitud de los datos, no debe realizarse ningún trabajo sin consultarse previamente la documentación técnica del fabricante (taller o manual de instrucciones) o hacer uso de una referencia reconocida como Autodata.

Nuestra política es mejorar continuamente nuestros productos y, por tanto, nos reservamos el derecho de modificar las especificaciones y componentes sin previo aviso. Es responsabilidad del usuario asegurarse de que las herramientas y la información son las adecuadas antes de su uso.



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Garantía

En caso de defecto de material o mano de obra, póngase en contacto directamente con nuestro servicio de atención al cliente en el teléfono: **+44 (0) 1926 818186**. Quedan excluidos de la garantía los defectos provocados por el desgaste y deterioro normales o por un uso inapropiado, así como los elementos consumibles.



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Kineton Road, Southam, Warwickshire CV47 0DR. Reino Unido
T +44 (0) 1926 815000 F +44 (0) 1926 815888
info@toolconnection.co.uk www.toolconnection.co.uk



LASER[®]

6250



Herramienta para casquillos del bastidor auxiliar delantero del motor

Volkswagen Audi Group

Instrucciones



I nostri prodotti sono stati ideati per essere usati correttamente e con attenzione per lo scopo previsto. Tool Connection non accetta alcuna responsabilità per l'uso improprio di qualsiasi suo prodotto, né per danni a persone, cose o apparecchiature verificatisi a seguito dell'uso dei prodotti stessi. Inoltre, l'uso improprio invalida la garanzia.

Se presenti, il database delle applicazioni ed eventuali altre informazioni facenti parte delle istruzioni intendono fornire un orientamento generale per l'uso di un particolare attrezzo; benché i dati siano presentati con la massima accuratezza, si sconsiglia d'intraprendere un progetto senza avere prima fatto riferimento alla documentazione tecnica della casa produttrice (manuale d'officina o di istruzioni) o all'uso consigliato da un'autorità riconosciuta del settore, come Autodata.

È nostra prassi migliorare continuamente i prodotti; ci riserviamo quindi il diritto di modificare specifiche e componenti senza preavviso. Spetta all'utente accertare l'idoneità degli attrezzi e delle informazioni prima dell'uso.



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Garanzia

Se il prodotto presenta materiali difettosi o vizi di fabbricazione, contattare direttamente la nostra divisione per l'assistenza clienti, al numero: **+44 (0) 1926 818186**. Dalla garanzia sono esclusi la normale usura, i materiali di consumo e l'utilizzo improprio.



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Tel: +44 (0) 1926 815000 Fax: +44 (0) 1926 815888
info@toolconnection.co.uk www.toolconnection.co.uk



LASER®

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Attrezzo boccola sottotelaio anteriore motore

Gruppo Volkswagen Audi

Istruzioni



Unsere Produkte sind für die ordnungsgemäße und sorgfältige bestimmungsgemäße Verwendung konzipiert. Tool Connection übernimmt keine Haftung für eine unsachgemäße Verwendung unserer Produkte. Des Weiteren kann Tool Connection für keine Schäden an Personen, Gegenständen oder Geräten verantwortlich gemacht werden, die sich bei der Nutzung der Werkzeuge ergeben. Eine unsachgemäße Verwendung macht darüber hinaus die Garantie nichtig.

Falls zutreffend dienen die Anwendungsdatenbank und alle bereitgestellten Anweisungen als allgemeine Anleitungen zur Verwendung eines bestimmten Werkzeugs. Zwar wird jede Anstrengung unternommen, die Richtigkeit der Daten zu gewährleisten, doch sollte kein Projekt durchgeführt werden, ohne zuerst die technische Dokumentation des Herstellers (Werkstatt- oder Bedienungshandbuch) oder eine anerkannte Autorität wie Autodata zurate zu ziehen.

Ständige Produktverbesserung ist unsere Philosophie. Deshalb behalten wir uns das Recht vor, Spezifikationen und Komponenten ohne vorherige Ankündigung zu ändern. Es liegt in der Verantwortung des Benutzers, die Eignung der Werkzeuge und Informationen vor ihrer Verwendung sicherzustellen.



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Garantie

Sollte aufgrund fehlerhafter Materialien oder Verarbeitung ein Defekt an diesem Produkt auftreten, wenden Sie sich direkt an unsere Serviceabteilung: **+44 (0) 1926 818186**. Normale Abnutzung und Verschleiß sind ebenso ausgeschlossen wie Verbrauchsmaterialien und Missbrauch.



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Kineton Road, Southam, Warwickshire CV47 0DR, GB
T +44 (0) 1926 815000 F +44 (0) 1926 815888
info@toolconnection.co.uk www.toolconnection.co.uk



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LASER[®]

6250



Buchsenwerkzeug für vorderen Motorhilfsrahmen

Volkswagen-Audi Gruppe

Anleitung



Onze producten moeten correct en met zorg worden gebruikt voor het beoogde doel. The Tool Connection accepteert geen aansprakelijkheid voor onjuist gebruik van onze producten en kan niet verantwoordelijk worden gehouden voor persoonlijk letsel en schade aan eigendommen of apparatuur als gevolg van het gebruik van de gereedschappen. Bij onjuist gebruik komt tevens de garantie te vervallen.

De toepassingsdatabase en gegeven instructies zijn, indien van toepassing, ontworpen om algemene richtlijnen te bieden voor het gebruik van een bepaald gereedschap, en hoewel we er alles aan doen om correcte gegevens te verstrekken, mag u niet aan projecten beginnen voordat u eerst de technische documentatie van de fabrikant (werkplaats- of instructiehandleiding) of een erkende autoriteit zoals Autodata heeft geraadpleegd.

Het is ons beleid onze producten voortdurend te verbeteren en daarom behouden wij ons het recht voor specificaties en onderdelen zonder voorafgaande kennisgeving aan te passen. Het is de verantwoordelijkheid van de gebruiker om vóór het gebruik te controleren of de gereedschappen en informatie geschikt zijn.



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Garantie

Neem rechtstreeks contact op met onze serviceafdeling indien dit product defect raakt als gevolg van gebrekkige materialen of productiemethoden, via: **+44 (0) 1926 818186**. Normaal gebruik en de daarbij behorende slijtage zijn hiervan uitgesloten, evenals verbruiksartikelen en verkeerd gebruik.



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Kineton Road, Southam, Warwickshire CV47 0DR, Verenigd Koninkrijk
T +44 (0) 1926 815000 F +44 (0) 1926 815888
info@toolconnection.co.uk www.toolconnection.co.uk



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Busgereedschap voorste motorsubframe

Volkswagen Audi Groep

Instructies



Os nossos produtos foram concebidos para serem utilizados de forma correta e cuidadosa para a finalidade prevista. The Tool Connection não assume qualquer responsabilidade pela utilização incorreta dos seus produtos, pelo que não pode ser responsabilizada por quaisquer danos pessoais, materiais ou de equipamento ocorridos durante a utilização das ferramentas. Além disso, a sua utilização incorreta anula a garantia.

A base de dados de aplicações e quaisquer instruções facultadas, se aplicáveis, foram concebidas para oferecerem orientações gerais sobre a utilização de uma determinada ferramenta e, embora se tenha prestado toda a atenção à exatidão dos dados, nenhum projeto deverá ser iniciado sem consultar primeiro a documentação técnica do fabricante (o manual de oficina ou de instruções) ou sem recorrer a uma autoridade reconhecida, como a Autodata.

Seguimos uma política de melhoria contínua dos nossos produtos, pelo que nos reservamos o direito de alterar especificações e componentes sem aviso prévio. Cabe ao utilizador a responsabilidade de garantir a adequação das ferramentas e das informações antes da respetiva utilização.



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Garantia

Em caso de avaria do produto devido a defeitos de fabrico ou mão de obra, contactar o nosso departamento de assistência através da linha direta: **+44 (0) 1926 818186**. Exclui-se o desgaste normalmente provocado pelo uso, bem como os artigos consumíveis e a utilização indevida.



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info@toolconnection.co.uk www.toolconnection.co.uk



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LASER®

6250



Ferramenta do mancal da subestrutura dianteira do motor

Grupo Volkswagen Audi

Instruções

