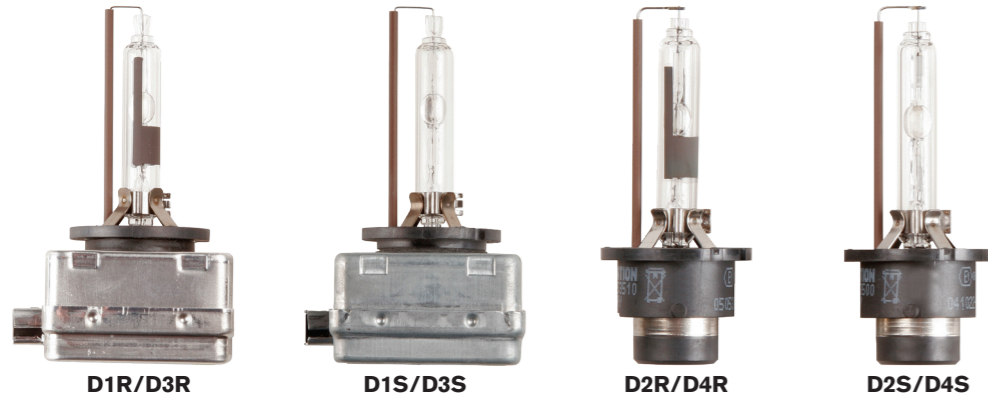


# HID BULB FITTING GUIDE



## Xenon HID Bulbs



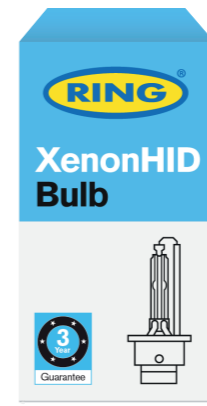
**4100K**  
Standard colour temperature

Part No.	Type	Voltage	Wattage	Base	Barcode
R85402	D1S*	85V	35W	PK32d-2	5055175215112
R85126	D2R*	85V	35W	P32d-3	5055175211480
R85122	D2S*	85V	35W	P32d-2	5055175211473
R42306	D3R	42V	35W	PK32d-6	5055175235882

Part No.	Type	Voltage	Wattage	Base	Barcode
R42302	D3S*	42V	35W	PK32d-5	5055175230610
R42406	D4R	42V	35W	P32d-6	5055175235899
R42402	D4S*	42V	35W	P32d-5	5055175230627



# XENON HID BULB FITTING GUIDE



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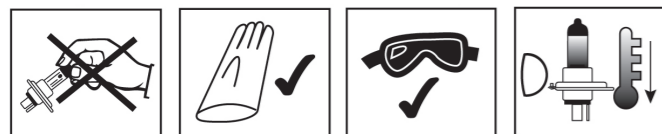
\*Now available in welded blister single pack (prefix RU).  
All Ring HID bulbs are Lead free.  
All Ring D3 and D4 bulbs are Mercury free.



BS EN ISO 9001:2015  
FM 504682

# HID BULB FITTING GUIDE

**NOTE:** before commencing any fitting operation, ensure the vehicle is parked off the road with the handbrake on.



This fitting guide has been produced to show, in easy to follow steps, how xenon HID bulbs can safely be replaced.

## Fault Diagnosis

A xenon HID system is made up of different components. Follow these simple checks to replace the correct part.

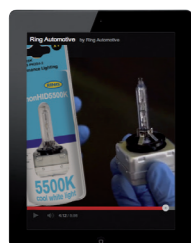
- 1) Check the ballast. You should hear an electrical switching noise around the headlight area.
- 2) If no noise is heard, then check the relevant fuse (see vehicle handbook).
- 3) If the fuses are ok, the ballast or wiring may be at fault. Consult an auto electrician.
- 4) If the ballast can be heard, the bulb requires replacing.

## Fit in Pairs

Due to the unique ageing process of Xenon HID bulbs, only replace in pairs to ensure a colour match.

## Fitting Video

Scan the QR code to view the HID installation video.

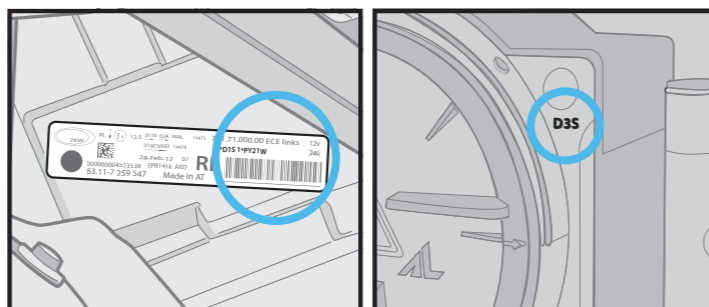


Or visit: [www.ringautomotive.com/uk/content/hid-bulbs](http://www.ringautomotive.com/uk/content/hid-bulbs)

QR code still links to YouTube video clip - ICM

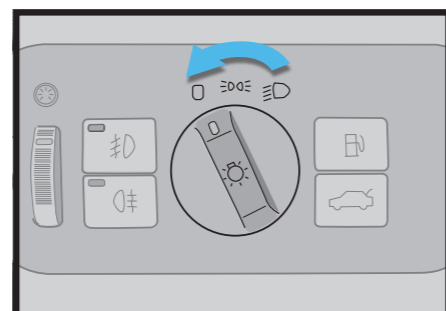
## Step 1 Identify the bulb reference

This can be found in the handbook or on the headlamp unit. Alternatively check on Ring's Find My Bulb App at [www.ringautomotive.com](http://www.ringautomotive.com)



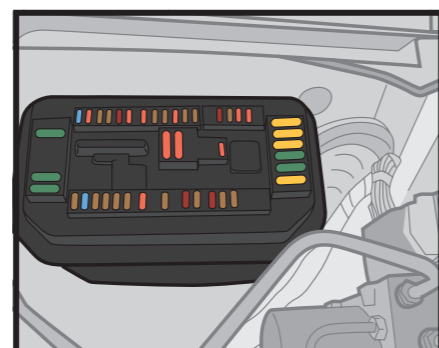
## Step 2 Isolate the bulb circuit

- 1) Turn off the ignition and remove the keys.
- 2) Switch off the headlight switch.



## Step 3 Remove the headlamp fuse

Consult the vehicle handbook for advice on how to remove the headlamp fuse.

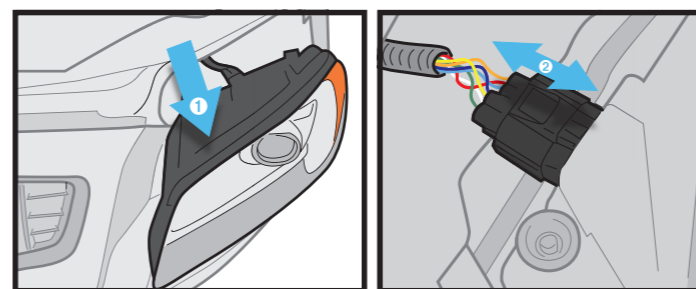


## Step 4 Accessing the bulb

Consult the vehicle handbook for directions on how to access the headlamps. Replacement procedures differ from vehicle to vehicle: this guide shows common easy to fit procedures.

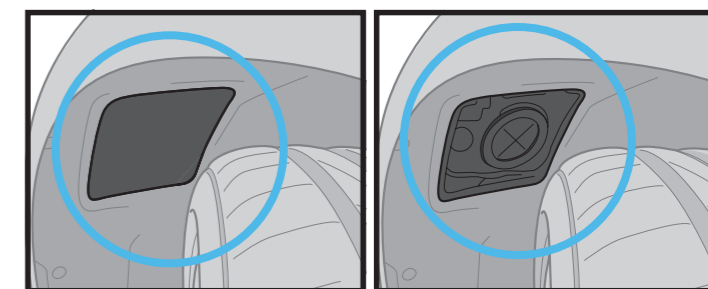
### TYPE 1 - HEADLAMP REMOVAL

- 1) Remove the headlamp as per handbook.
- 2) When removing the headlamp, take care not to scratch the lens.
- 3) Disconnect the power connector.
- 4) Remove protective covers



### TYPE 2 - WHEEL ARCH

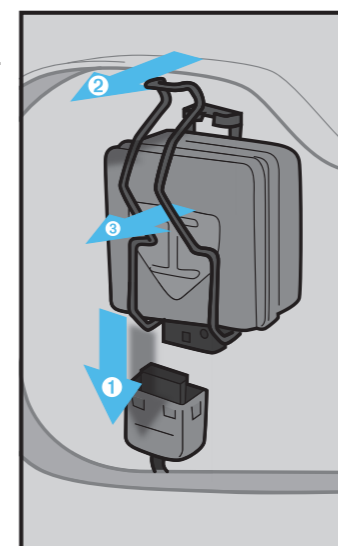
- 1) Turning the wheel into full lock will help gain access (remember to remove key from ignition after locking wheels).
- 2) Remove protective covers



## Step 5 Removing the bulb

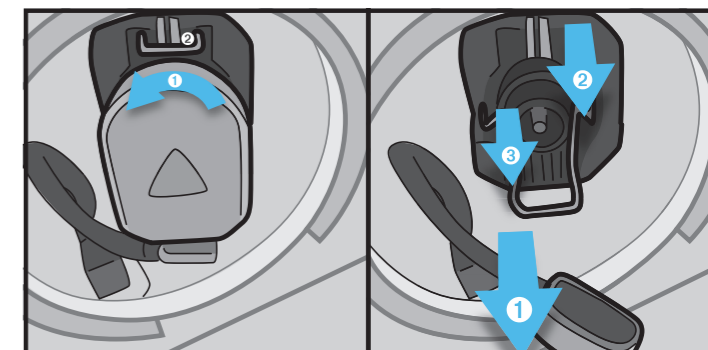
### FOR D1 AND D3

- 1) Disconnect the power lead.
  - 2) Unclip the metal retainer.
- NOTE:** If there is no metal retainer clip, quarter turn the bulb anticlockwise to unlock.
- 3) Remove the bulb.



### FOR D2 AND D4

- 1) Rotate anti-clockwise and disconnect the bulb connector.
- 2) Unclip metal retainer.
- 3) Remove the bulb.



## Step 6 Replacing the new bulb

- 1) Replace the bulb following step 5 in reverse.
- 2) Check all the connections are made securely.
- 3) Replace the headlamp assembly covers removed to access the headlamp.

## Step 7 Checking

- 1) Replace the lighting fuse and test that the headlights are working correctly.
- 2) Check headlight alignment.
- 3) Register the bulb online to activate your 3 year warranty.