



NUMBER: 08-029-07

GROUP: Electrical

DATE: December 5, 2007

This bulletin is supplied as technical information only and is not an authorization for repair. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without written permission of Chrysler LLC.

SUBJECT:

Color And/Or Brightness Difference On HID Replacement Headlamp Bulbs

MODELS:

2004 - 2008	(CS)	Pacifica
2005 - 2008	(LX)	300//Magnum/Charger
2007 - 2008	(LE)	300C/300C Touring (International Markets)
2007	(L2)	300 (China)
2008	(RT)	Town & Country/Grand Caravan/Grand Voyager (U.S. and International Markets)
2008	(WK)	Grand Cherokee
2008	(WH)	Grand Cherokee (International Markets)
2003 - 2008	(ZB)	Viper

DISCUSSION:

When an HID (Xenon/High Intensity discharge) headlamp bulb is replaced, there may be a visible color difference between the new lamp and the one that has been in the vehicle for some time.

An HID headlamp has a very bluish/white light spectrum. A new HID bulb will tend to have a color temperature at approximately 4150K, an HID bulb with operational time and age will shift color temperature towards a slightly higher value of approximately 4300K. If you have an existing HID headlamp on one side of the vehicle and a replacement HID headlamp on the other side of the vehicle, the headlamp with the new bulb will appear more yellowish/white, while the headlamp with the existing bulb will appear more bluish/white when on. Due to the physical properties of HID headlamp, the color of the bulb will change within the first 200 hours of operation about 150 - 200K (color shift). Once this breaking-in period has passed, the color appearance becomes more bluish/white and resembles the original bulb, so that the perceived color difference is small.

Do not replace a working headlamp bulbs for this condition and advised the customer that this is a normal occurrence and the color will change.

POLICY:

Information Only



Stick with the Specialists™