

SERVICE BULLETIN #5004 - SEPTEMBER, 1985

TO: ALL HARMAN KARDON WARRANTY STATIONS

MODEL: CD391 AND CD491 CASSETTE DECKS

SUBJECT: REEL MOTOR IDLER ASSEMBLY

If you receive for service one of the models listed above with the complaint "mechanical noise from transport in play mode, or excessive wow and flutter, check the operation of the idler assembly of the reel motor.

If the idler assembly wobbles or moves excessively it needs to be replaced. Since replacement of the entire motor and idler assembly is time consuming we have made the idler assembly available as a separate part. The part number of the idler assembly is KGE015360A.

To remove the defective idler assembly and to install the new idler assembly we recommend the procedure outlined below:

1. Remove the cabinet top cover screws,
2. Remove the following knobs: Bias Fine Trim, Output Level, Mic Level, Record Level and Master Fader.
3. Remove the screws which hold the front panel in place and remove the front panel.
4. Open the cassette door and remove the two screws which hold the dressing plate in place.
5. Pull the white motor pulley with a pair of pliers and remove it from the motor shaft.
6. Remove the idler assembly 503B1 and replace it with Harman Kardon part number KGE015360A.
7. Push the white motor pulley on to the motor shaft until the top of this pulley is at a distance of 18.7mm (0.736 inch) from the top of the motor enclosure. (Note: If the white motor pulley is pushed on to the motor shaft too far, the idler assembly will tend to bind.)

When the white motor pulley is in the correct position, the idler wheel rides in the middle of the drive surface of the right hand reel table.

8. Test the operation of play, fast forward and fast rewind and reassemble the unit.

