

Title (en)

METHOD FOR MANUFACTURING A ONE-PIECE TORSIONAL VIBRATION DAMPER RETAINER PLATE

Title (de)

HERSTELLUNGSVERFAHREN EINER EINSTÜCKIGEN HALTERUNGSPLATTE FÜR DREHSCHWINGUNGSDÄMPFER

Title (fr)

PROCEDE POUR FABRIQUER UNE PLAQUE DE RETENUE POUR AMORTISSEUR MONOBLOC DE VIBRATIONS DE TORSION

Publication

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Application

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Abstract (en)

[origin: WO0015368A1] A method for manufacturing a drive plate or one-piece torsional vibration damper retainer plate (20) for a torque converter (26) is disclosed. The retainer plate includes an annular periphery (36) curled into a generally C-shaped channel (46) for retaining at least one spring (56). The method includes the following steps. First, the retainer plate (20) is stamped primarily to form a central plate segment (34), an annular periphery (36), and a hub opening (44). Next, the annular periphery of the retainer plate is pre-curved. The plate is then heat treated to enhanced the physical properties of the retainer plate. The spring is disposed within the pre-curved annular periphery. Finally, the annular periphery of the retainer plate is completely curled into the generally C-shaped channel to substantially surround the spring thereby preventing the spring from being removed from the C-shaped channel of the retainer plate during operation of the retainer plate.

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