

BorgWarner liefert VTG-Turbolader für neuen Hurricane 4 Turbo-Motor von Stellantis

- *Innovativer Turbolader kombiniert VTG-Technologie mit zusätzlicher Wastegate-Funktionalität und sorgt so für verringerte Emissionen und höhere Motorleistung*
- *Turbolader kommt im neuen Hurricane 4 Vierzylinder-Ottomotor im Jeep® Grand Cherokee (ab Modelljahr 2026)*
- *Zusätzlich liefert BorgWarner eVCT-Technologie für Jeep-Cherokee-Plattformen*

Auburn Hills, Michigan, 6. November 2025 – BorgWarner hat eine Vereinbarung mit Stellantis geschlossen, um den Turbolader mit 50mm VTG (Variable-Turbinen-Geometrie) für den neuen Hurricane 4 Vierzylinder-Turbo-Ottomotor zu liefern. Der Hurricane 4 Turbo wird erstmals im Jeep® Grand Cherokee des Modelljahres 2026 eingesetzt. Darüber hinaus liefert BorgWarner seine elektrische variable Nockenwellenverstellung (eVCT) für die Jeep-Cherokee-Plattform und den Vierzylindermotor EP6.

„Wir freuen uns über die Zusammenarbeit mit Stellantis bei diesen spannenden Produkten“, sagte Dr. Volker Weng, Vice President BorgWarner Inc. und President und General Manager, Turbos and Thermal Technologies. „Unsere langjährige Partnerschaft umfasst die Lieferung zahlreicher Turbolader für frühere Fahrzeugmodelle sowie den Einstieg in die nächste Turbolader-Generation bei diesem Projekt.“

BorgWarner kombiniert in einem leistungsstarken Turbolader VTG-Technologie mit zusätzlicher Wastegate-Funktionalität, um sowohl die Emissionseffizienz als auch die Motorleistung zu verbessern. In dieser einzigartigen Kombination bietet das Bypassventil (Wastegate) eine effiziente Katalysatorerwärmung während des Kaltstarts. Gleichzeitig gewährleistet die VTG-Technologie eine präzise Ladedruckregelung des Motors. Zusätzlich ermöglicht die VTG-Technologie eine hohe Miller-Rate, welche dazu beiträgt, die Effizienz des Motors über einen großen Drehzahlbereich zu steigern.

Die Integration der BorgWarner-eVCT-Technologie in den EP6-Motor des Jeep Cherokee markiert den ersten Einsatz einer elektrischen variablen Nockenwellenverstellung in einem

BorgWarner Inc. (BorgWarner to Supply Stellantis with Variable Turbine Geometry Turbocharger for New Hurricane 4 Turbo Engine) – 2

Stellantis-Motor. Die Anwendung soll den Kraftstoffverbrauch und die Performance deutlich verbessern und gleichzeitig die Emissionen reduzieren. Im Vergleich zu konventionellen Systemen zeichnet sich die eVCT-Technologie durch einen erweiterten Verstellbereich sowie eine vom Öldruck unabhängige Arbeitsweise aus. Dadurch werden fortschrittliche Verbrennungsstrategien ermöglicht, die sowohl die Effizienz steigern als auch zur Reduktion von Emissionen beitragen.



BorgWarner liefert den Turbolader mit 50mm-VTG (Variable Turbinen Geometrie) für den neuen Hurricane 4 Vierzylinder-Turbomotor von Stellantis

Über BorgWarner

BorgWarner bringt als globaler Produktführer seit mehr als 130 Jahren erfolgreich Mobilitätsinnovationen auf den Markt. Mit unserem Fokus auf Nachhaltigkeit tragen wir dazu bei, eine saubere, gesunde und sichere Zukunft zu schaffen.

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