Allison Transmission Selected to Propel New M88A3 HERCULES Prototype Vehicles

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U.S. Army to modernize its M88A3 HERCULES Recovery Vehicle with a new Allison-equipped propulsion solution

INDIANAPOLIS--(BUSINESS WIRE)--Jul. 6, 2022-- Allison Transmission, a leading designer and manufacturer of conventional and electrified vehicle propulsion solutions for tactical wheeled and tracked defense vehicles, and medium- and heavy-duty commercial vehicles will provide the X1100^{TM}-5B propulsion solution for the U.S. Army's new M88A3 HERCULES (Heavy Equipment Recovery Combat Utility Lift and Evacuation System) prototype vehicle.

This press release features multimedia. View the full release here: https://www.businesswire.com/news/home/20220706005166/en/



The U.S. Army's new M88A3 HERCULES (Heavy Equipment Recovery Combat Utility Lift and Evacuation System) prototype vehicle will be equipped with Allison Transmission's X1100TM-5B, a reliable, durable propulsion system based on the proven Abrams Main Battle Tank drivetrain solution. In addition to the transmission, Allison will provide its new advanced electronic controls system as well as new final drive components. (Photo: Business Wire)

This initiative is consistent with the Army's continued investments in combat readiness and fleet modernization and represents more than $37 million in engineering design, development, fabrication, testing, and demonstration funds for Allison's X1100^{TM}-5B for the M88A3 HERCULES prototype vehicles through 2023. A decision by the Army to transition to production is expected in early 2024. Currently, there are more than 900 M88 vehicles in the U.S. Army.

Today, the M1A2 Abrams Main Battle Tank requires two M88A2 heavy tracked recovery vehicles to tow the vehicle. The U.S. Army modernization program's goal is to regain single vehicle recovery of the Army's heaviest tracked vehicle providing more efficient use of resources.

At the heart of the planned prototype improvements is Allison's X1100-5B automatic transmission. The X1100-5B is a reliable, durable propulsion system based on the proven Abrams Main Battle Tank drivetrain solution. In addition to the transmission, Allison will provide its new advanced electronic controls system as well as new final drive components to meet the needs of the recovery vehicle application.

"This program demonstrates Allison's long-term strategic relationship with the Army is built on trust, partnership and a mutual commitment to excellence," said Dana Pittard, Vice President for Defense Programs at Allison Transmission. "Our support for the Army's armored formations spans over 75 years and enhancements and upgrades to this battle-tested X1100 transmission design will further support the Army's needs for decades to come."

Since 1946, Allison has partnered with the Department of Defense to develop propulsion solutions that deliver in the toughest conditions. For fleets that are developing new wheeled or tracked vehicles, Allison can tailor a transmission, electric hybrid, or electric propulsion solution specifically for that application. Allison engineers and manufactures reliable and fully customizable propulsion solutions, so customers experience reduced downtime and increased ability to accomplish mission objectives.

About Allison Transmission

Allison Transmission (NYSE: ALSN) is a leading designer and manufacturer of propulsion solutions for commercial and defense vehicles and the largest global manufacturer of medium- and heavy-duty fully automatic transmissions that *Improve the Way the World Works*. Allison products are used in a wide variety of applications, including on-highway trucks (distribution, refuse, construction, fire and emergency), buses (school, transit and coach), motorhomes, off-highway vehicles and equipment (energy, mining and construction applications) and defense vehicles (tactical wheeled and tracked). Founded in 1915, the company is headquartered in Indianapolis, Indiana, USA. With a presence in more than 150 countries, Allison has regional headquarters in the Netherlands, China and Brazil, manufacturing facilities in the USA, Hungary and India, as well as global engineering resources, including electrification engineering centers in Indianapolis, Indiana, Auburn Hills, Michigan and London in the United Kingdom. Allison also has more than 1,400 independent distributor and dealer locations worldwide. For more information, visit allisontransmission.com.

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Claire Gregory
Director, Global External Communications
Claire.Gregory@allisontransmission.com
317-694-2065

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