



News Release

For more information, contact:

Barbara Gould
Bendix Commercial Vehicle Systems LLC
(440) 329-9609 / (440) 225-6869
barbara.gould@bendix.com

or
Ken Kesegich
Marcus Thomas LLC
(888) 482-4455
kkesegich@mtllc.com

FOR IMMEDIATE RELEASE

BENDIX® WINGMAN® FUSION™ WITH ENHANCED FEATURE SET AND ACTIVE STEERING
NOW AVAILABLE ON INTERNATIONAL® LT® AND RH™ SERIES

Safety Systems Play an Important Role in Navistar's DriverFirst™ Philosophy

ELYRIA, Ohio – March 30, 2021 – Supporting fleets, drivers, and safer roads for everyone, Bendix® Wingman® Fusion™ with Enhanced Feature Set is now standard safety equipment on the International® Trucks LT® Series and RH™ Series, and an option on the MV™ Series, HV™ Series, and HX® Series. Additionally, International is the first North American truck manufacturer to offer Bendix's Fusion ACB (Active Cruise with Braking) Stop & Driver Go™ and new Active Steering with Lane Keep Assist capabilities, both available options for the LT and RH Series.

Bendix, the North American leader in the development and manufacture of active safety, air management, and braking system technologies for commercial vehicles, launched Wingman Fusion in 2015, integrating radar, camera, and a vehicle's brake system to create its flagship driver assistance system. Since then, Bendix has regularly expanded and improved Fusion's capabilities through advancements such as providing full braking power on the tractor and earlier object detection.

"Navistar's commitment to providing dependable, efficient, and safe trucks for North America's professional drivers runs deep – and everyone at Bendix shares that same drive," said Scott Burkhart, Bendix vice president, sales and marketing. "As an early adopter and longtime supporter of Bendix advanced driver assistance systems (ADAS), Navistar continues to be an incredible and valuable partner in commercial vehicle safety, and we're proud to see our most advanced technologies earning a place on International Trucks."

BENDIX® WINGMAN® FUSION™ WITH ENHANCED FEATURE SET AND ACTIVE STEERING NOW AVAILABLE ON INTERNATIONAL® LT® AND RH™ SERIES

March 30, 2021/Page 2

“Safety systems play an important role in our DriverFirst™ philosophy, and we strive to ensure our vehicles are equipped with the best features to see drivers home safely when the job is done,” said Charles Chilton, vice president of Navistar Product Strategy and Planning. “Offering these expanded and improved Bendix systems supports that commitment and contributes to a safer transportation environment across North America.”

Multiple Inputs, Greater Capabilities

Using sensors that are working together and not just in parallel, Bendix® Wingman® Fusion™ with Enhanced Feature Set gathers input through radar, video, and the vehicle’s braking system. By combining and cross-checking the information to create a detailed and accurate data picture, Fusion is able to deliver enhanced autonomous emergency braking (AEB) and stationary vehicle braking, along with multilane automatic emergency braking, highway departure braking, and ACB (Active Cruise with Braking) Stop & Driver Go™. The feature will automatically reengage cruise control after an ACB braking event if the vehicle is still above the vehicle’s cruise control set speed. Once at stop, if the driver applies enough throttle, then Fusion can re-accelerate the vehicle to the set cruise control speed so long as there is no object detected ahead.

Additionally, Wingman Fusion can provide full tractor braking when needed for an autonomous emergency braking event to help the driver mitigate a potential crash with the forward vehicle.

With Fusion’s multilane automatic emergency braking feature, the system will continue applying the brakes during an AEB event if the driver changes lanes and the new lane is also blocked on a highway. Its highway departure braking capability builds on the system’s existing lane departure warning technology to alert the driver and, if necessary, apply the brakes to slow the vehicle and further alert the driver if the system determines the vehicle has left the roadway unintentionally.

Other Fusion capabilities include stationary object alerts, overspeed alerts and intervention, and lane departure warning – all while prioritizing alerts to help reduce driver distraction. And because it is built on the Bendix® ESP® Electronic Stability Program full-stability system, Bendix Wingman Fusion also helps drivers mitigate additional crash situations, including rollovers and loss-of-control incidents. Event-based data – including video – is wirelessly transmitted through SafetyDirect by Bendix CVS for driver coaching and analysis by fleet safety personnel.

Steering Assistance and an Eye on Blind Spots

Lane Keep Assist with information from Wingman® Fusion™ will, upon detection of the vehicle drifting from its lane with no turn signal, provide steering torque to help guide the vehicle back towards in-lane. At low speeds, the active steering system also dynamically adjusts torque applied so the driver will use less effort to steer the vehicle to aid in parking lot maneuvering, for example. Two distinct steering profiles are available that allow for a more customized experience for the driver.

Bendix's active steering assistance is built on existing steering gears from its R.H. Sheppard subsidiary. Sheppard's gears are standard on many Navistar vehicles. The new active steering system also includes compensation to counter crosswinds or road crowning, steering wheel return-to-center assist, and active damping to reduce road vibrations felt through the steering wheel and improve feel. R.H. Sheppard Co., Inc. became a wholly owned subsidiary of Bendix CVS in June 2020.

The latest iteration of Bendix® BlindSpotter® Side Object Detection System is also an option on the International® LT® and RH™ Series. When connected to the vehicle's J1939 controller area network (CAN), BlindSpotter provides a 150-degree range of coverage capable of detecting objects up to 20 feet in front of and 20 feet behind the BlindSpotter radar. The coverage zone extends up to 10 feet to the right of the vehicle. BlindSpotter minimizes false alerts by operating in two modes: highway speeds and lower speeds. When connected to the CAN and at highway speeds, the sensor filters out stationary objects like guardrails; the slow-speed warning mode – active at less than 20 mph, such as during city driving or in parking lots – narrows the range for alerts and does not filter out stationary targets or infrastructure.

Driver Assistance – Not Replacement

Fleets equipping Bendix Wingman Fusion have reported significant reductions in rear-end collisions – as much as 90 percent – and decreased severity of those that did occur. And driver feedback has been positive, including higher satisfaction than with radar-only systems.

“It's very important to remember that these safety systems do not in any way replace the need for skilled, alert drivers and ongoing, comprehensive training,” said TJ Thomas, Bendix director of marketing and customer solutions, Controls. “They're meant to complement safe driving practices – not encourage or enable aggressive driving. Safe operation of the vehicle ultimately remains in the hands of the driver at all times.”

Thomas noted that for a full description of all driver assistance features, limitations, and challenging scenarios, it's best to refer to the vehicle operator's manuals published by either Bendix (available on bendix.com) or the vehicle manufacturer.

BENDIX® WINGMAN® FUSION™ WITH ENHANCED FEATURE SET AND ACTIVE STEERING NOW AVAILABLE ON INTERNATIONAL® LT® AND RH™ SERIES

March 30, 2021/Page 4

Through collision mitigation systems like Fusion and its entire portfolio of technologies, Bendix delivers on safety, equipment reliability, performance and efficiency, and lower total cost of ownership – all areas that are critical to fleet and owner-operator success. By encouraging investment in systems that enhance driver and vehicle safety, Bendix works around the clock toward safer roads for everyone.

For more information about Bendix safety systems and technologies, visit www.bendix.com or call 1-800-AIR-BRAKE (1-800-247-2725). Additional Bendix insight on advanced safety technology development, driver assistance systems, and commercial vehicle safety regulations can be found in Bendix's multimedia center at knowledge-dock.com.

About Bendix Commercial Vehicle Systems LLC

Bendix Commercial Vehicle Systems, a member of Knorr-Bremse, develops and supplies leading-edge active safety technologies, energy management solutions, and air brake charging and control systems and components under the Bendix® brand name for medium- and heavy-duty trucks, tractors, trailers, buses, and other commercial vehicles throughout North America. An industry pioneer, employing more than 4,100 people, Bendix – and its wholly owned subsidiary, R.H. Sheppard Co., Inc. – is driven to deliver the best solutions for improved vehicle safety, performance, and overall operating cost. Contact us at 1-800-AIR-BRAKE (1-800-247-2725) or visit bendix.com. Stay connected and informed through Bendix expert podcasts, blog posts, videos, and other resources at knowledge-dock.com. Follow Bendix on Twitter at twitter.com/Bendix_CVS. Log on and learn from the Bendix experts at brake-school.com. And to learn more about career opportunities at Bendix, visit bendix.com/careers.

###