

LM REPORTS

YOUR GUIDE TO PRODUCT RESEARCH

MAINTENANCE: VEHICLES & ACCESSORIES

Mitsubishi Fuso Truck of America



The 2012 4-door Canter FE Crew Cab model offers the same advanced, highly efficient powertrain as the standard-cab Canter FEs. And for 2012, the GVWR has risen to 15,995 lb. and maximum body length has increased to 19 ft. Inside, the instrument panel has been refined, with a digital display that gives

the operator every detail of vehicle operation, fluid level and system status at a glance. The cab is fully trimmed; interior space and amenities have been improved, and storage areas increased, so a crew of seven can ride to the job site in comfort. With its new 4P10 dual-overhead-cam, dual-balance-shaft, dual-turbocharged, intercooled 4-cylinder diesel engine coupled to an advanced Mitsubishi Fuso 6-speed, DUONIC transmission, the Canter FE160 Crew Cab provides smooth efficient operation and car-like drivability all day, no matter how tough the duty. *MitFuso.com*

Hankook Tire



The new AH24 is designed as a premium regional haul, all-position tire that focuses on high-scrub situations where endurance, durability and high mileage are vital. AH24 was developed with adverse weather conditions in mind, and employs solid wide ribs and an improved kerf design to displace water for outstanding grip. An enhanced sidewall design is intended to prevent damage such as cuts and abrasions and to extend casing durability and tire life cycle performance. In addition, the new DH06 is a premium deep drive, open shoulder, regional haul tire developed for exceptional grip and control. An improved, deeper tread block design allows DH06 to offer extraordinary traction in rain, mud and snow conditions. Particular attention was paid to maximize DH06's casing life cycle mileage performance.

HankookTireUSA.com



Gravelly

The new Truck Loader picks up leaves, grass clippings, mulch, plastic bottles and more. All models feature a lightweight, durable pickup wand combined with a steel-ribbed flexible hose designed to be quickly disconnected with an automatic shut-off switch. The 10- or 12-in. diameter intake hoses provide appropriate intake capacity for large and medium size jobs, and a 360° rotational discharge chute offers easy and efficient unloading in any direction. Three height adjustments allow for flexibility and extend cleanup capabilities. The unit features 20- and 22-hp Subaru engine options and a 5.8-gallon fuel tank for fewer fueling stops. Built for durability, the Gravelly Truck Loader's 29x65x29-in. frame has 11-gauge steel construction and a 5- or 6-blade steel impeller. Optional accessories and attachments include a tailgate mount kit, a steel flex house exhaust extension kit, a multi-directional exhaust with adjustable deflector chute kit and a discharge extension kit. *Ariens.com*



Cole Hersee

The new Voltage Sensing Relay & Timer (VSRT) conserves the starting power of a vehicle battery by shutting off auxiliary loads when either starting voltage drops

to a low level, or a pre-set timer times out. The 4x3x1-in. piece of equipment alerts the vehicle operator when starting voltage is low, then temporarily cuts off any non-essential electrical loads, thus conserving power to start. Its service life exceeds 1 million on/off cycles, operating for the entire lifetime of the vehicle. The device has a rating of 10A, and can handle many loads directly or drive a relay or solenoid for higher amperages. Overvoltage and overcurrent protective measures are also included, providing extra levels of assurance. The VSRT is also completely weather resistant, waterproof and dustproof, allowing it to be mounted anywhere on the vehicle while remaining reliable and functional. With minimal wiring and a snap-in connector, it does not require any additional heavy or bulky hardware, so installation is easy and simplified. *ColeHersee.com*

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Isuzu Commercial Truck of America

The 2012 Reach features a body designed by Utilimaster Corp. atop a rugged Isuzu NPR ECO-

MAX chassis and powered by Isuzu's 3.0-liter diesel engine. It will achieve 35% better fuel economy than a traditional commercial van application while offering the functionality of a custom-built work truck — along with the styling and ergonomics of a cargo van. The stripped chassis's engine has been relocated to minimize engine protrusion into the cab, facilitating driver movement in and out of the front seat for improved productivity. Likewise, the driver seat position and numerous component locations have been revised to accommodate the walk-in van body. The Reach is offered in two wheelbases (134 and 151 in.) and three body lengths (10, 12 and 14 ft.). With an interior up to 27 in. higher than a conventional Ford or GM van and 10 in. wider than a Sprinter van, the cargo area can offer 450, 540 or 630 cu. ft. of storage, depending on wheelbase and body length selected. IsuzuCV.com

Knaack LLC

New features of the redesigned Hi-Side Truck Boxes include the Weather Guard-exclusive gutter design, which channels rain and snow off the box to keep its contents dry. Along with the full-weather seal, this new gutter design vastly improves weather resistance. Other new enhancements include a new Drill-Resistant Lock Core, which protects against theft and vandalism. An Attachment Point has been added to the rear of each box to secure or lock down tools and supplies in the truck bed. Hi-Side organization is improved with the addition of a top-mounted, Removable Parts Bin, to keep small parts such as fasteners and components organized inside the box. And productivity is enhanced with adjustable Tool-Less Quick-Release doors that open from 90° to 180° for unrestricted access to tools and equipment. Heavy-duty stainless steel aircraft-type cables quickly and easily unhook with QuickClips, with no tools required. WeatherGuard.com



Forestry Suppliers

This 35/15-gal. EZ Fill Split Fuel Transfer Tank is made of heavy-duty, high-density poly plastic and is compliant with U.S. Department of Transportation standards. Features include tethered heavy-duty commercial gas caps, commercial hose and nozzles with heavy-duty safety hooks, multiple hose hooks, multiple labeling options, universal threaded mounting points, and locking gas valves. Find Forestry Suppliers' complete selection of D.O.T. Safety Fuel Cans in its current catalog, available for free upon request. Forestry-Suppliers.com

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MAINTENANCE: SITE PREPARATION & MAINTENANCE

Billy Goat

The distinct black intake housing is the heart of the new Force II — a new single-shot, closed-face fan. With 16 blades, the Billy Goat Force II has more than twice the blades of most competitors, according to the company. Surrounding the fan is a smooth rounded housing, which eliminates air voids, reduces noise, increases output, won't rust or dent and is up to 30% lighter than stamped metal housings. Other new features to the blower is that it's 9 lbs. lighter than previous models, and features a self-propelled option. BillyGoat.com

Husqvarna

Husqvarna 326E, part of the X-series, is equipped with the E-Tech II engine for increased power and better fuel economy. The front handle can quickly be adjusted using the thumbscrew. A wear plate under the engine and a reinforced spark plug guard provides added protection to the unit. The shaft is curved to place the operator in an ergonomically better position. The 25-cc, 1.2-hp 323EX curved-shaft edger is equipped with an E-Tech engine's power-to-weight ratio. The improved, lightweight 327ES straight-shaft edger features an easy-to-access air filter and starter recoil. The straight shaft allows for maximum transfer of engine power to the gear head. Husqvarna.com



Schiller Grounds Care Inc.

The new Classen Hydro-Drive sod cutter line features an ergonomic handle with elastomeric vibration dampening system, as well as bearing isolators that reduce the vibration felt by the operator. Benefits of the hydrostatic-drive vibration reduction mechanism for sod cutter users include smoother operation, less operator fatigue, and increased productivity. Blades in the line range from 12 to 24 in., with 5.5- to 8-hp Honda engines. Optional blade assemblies are available to allow the unit more flexibility. The drive allows infi-

ninitely variable transport speeds of up to 4.7 mph and powered reverse. Other features include simple controls within easy reach, center blade placement for consistent cutting depth, fingertip throttle for adjustable speed control, and knobby tread drive wheels for stable traction. ClassenTurfCare.com



Grasshopper Mower

The powerful vacuum action of a Grasshopper PowerVac Collection System moves a high volume of air to pick up virtually anything — from grass clippings and leaves to pine straw and other debris — leaving a beautiful, manicured finish. Compatible with all Grasshopper mowers, each system is equipped with a trash-ingesting steel impeller that chops, propels and compacts debris for fewer stops and uninterrupted productivity while you mow. The deck-driven PowerVac is easy to install and operate, and removes quickly for side-discharge or mulching applications; it also eliminates the need for a loud and cumbersome auxiliary motor. Choose between easy-to-handle nylon mesh bags or large-capacity metal hoppers. GrasshopperMower.com/powervac.php

STEC Equipment

With more than 20 years of seeder manufacturing experience, RotaDairon introduces its SMC seeding technology to the North American market, available through STEC Equipment. Featuring a new "peg-wheel system," the SMC seeders are able to precisely distribute seeds of any size, from bentgrass to wildflowers. This high precision is based on the volumetric adjustment of the peg-wheels, which are ground driven, and distribute according to forward speed. This results in seed savings and higher germination rates with less waste. Innovative design features also include a protection grid, seed valve agitator and dividing plates — all easily removable for cleaning of the seed hopper. Seed calibration can be done quickly, easily, and in place with a hand adjustable and measureable calibration system. STECequipment.com

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Stihl

The new FSA 85 professional straight-shaft grass trimmer, the latest product available for the 36-volt Stihl Lithium-Ion battery technology system, delivers fuel savings, time savings and environmental benefits for gasoline-free trimming applications, the company says. Eliminating fuel costs and engine exhaust emissions, the easy-to-use trimmer offers users another way to reduce their impact on the environment. With this new technology, there is no more fuel mixing, no power cords, and greatly reduced engine maintenance. Plus, high cutting speeds allow the user to complete trimming tasks quickly. Both units run at full speed until the battery is depleted, with no gradual drop in power as with other battery technologies. Designed for user comfort, the FSA 85 is lightweight with excellent balance and low vibration, featuring an easy-to-use trigger start. It also features a convenient on-board hanging slot that allows for easy storage, as well as a loop handle that adjusts without the use of tools. *Stihl/USA.com/trimmers/FSA85.html*



Atlas Copco

The Atlas Copco SBU 220 hydraulic breaker features a patented one-piece housing construction. The solid-body concept integrates the percussion mechanism and guide system into one single block of steel. The one-piece housing is designed to have fewer components to maintain and to provide a greater return on investment. With an operating weight of 494 lbs., and a tool shank diameter of 2.56 in., the SBU 220 hydraulic breaker is intended for carriers ranging from 6,150 to 13,230 lbs. The breaker is designed to offer a favorable percussive power-to-weight ratio. It offers an oil flow rate of 11 to 20 gpm and an impact rate of 720 to 1,380 bpm. The unit features the Atlas Copco VibroSilenced system with sound pressure rated at 89 dB(A) and sound power at 118 dB(A). This is designed to allow the unit to work close to schools, hospitals and other areas where noise can be an issue. *AtlasCopco.us*



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MAINTENANCE:
**STAND-ON
MOWERS**

Gravely

The Gravely Pro-Stance stand-on mower has five models that feature floating and fixed decks. The Pro-Stance gives an unobstructed view from nearly every angle and is easier to maneuver in confined spaces. Made of 7-gauge steel with fully fabricated and welded construction, the optimum operator position promotes stability on hills and uneven terrain. With a Kawasaki KAI gas engine, Hydro-Gear 10cc pumps and 12-cu.-in. wheel motors, the Pro-Stance travels at 9 mph forward ground speed. A comfortable suspension platform enhances the ride and provides increased stability for the operator. A more compact footprint makes it quicker to trim around landscape features, to avoid obstacles and to maneuver in confined spaces. The ergonomically designed cockpit minimizes engine vibration, while absorbing the shock from bumps that occur when mowing. Available attachments include wheel covers, a mulching kit and grass collection. *Ariens.com*



Wright Manufacturing

A new deck design is now standard on all Wright Stander X and Sport X mowers. The new Aero Core deck's space-saving design increases deck strength, while recessed caster wheels result in a more compact footprint and improved agility. Anti-clumping baffles in the Aero Core deck prevent debris build-up at the discharge chute, and air-tapered blade surfaces create pressure to pull grass up for a cleaner, more uniform cut. Test drives are available from your local dealer. *WrightMfg.com*

Deere

Designed for landscape professionals looking for maximum maneuverability, as well as durability and reliability, the new Quik-Trak PRO Series offers the 7-Iron PRO deck in a compact and powerful package. The three updated models in the series — 48-in.-cut 647A, 54-in.-cut 657A and 60-in.-cut 667A — also feature higher 22- and 24-hp Kawasaki engines. *Deere.com*



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LAWN CARE: HERBICIDES

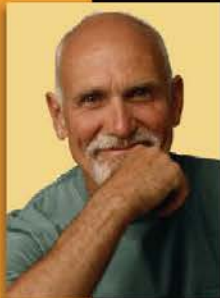


Syngenta

Tenacity herbicide, a reduced risk product, has received registration from the U.S. Environmental Protection Agency (EPA) for use on residential lawns. The selective pre- and post-emergence herbicide controls 46 broadleaf weeds and undesired grasses in most cool-season turf types. In addition to weed control in established turf, Tenacity can be applied at seeding to reduce weed competition for improved seedling development. Check with your state or local extension service before purchase to ensure it's approved in your market. TenacityHerbicide.com

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