

Autocar MY 2016 4x2 Off-Road Terminal Tractor Standard Specifications

Engine and Equipment	Standard	Optional
Engine model	Cummins Tier 3 QSB diesel - 160 HP @ 2200 RPM 540 ft-lb torque @ 1400 RPM	<i>(Cummins Tier 3 QSB diesel - 173 HP @ 2200 RPM 592 ft-lb torque @ 1500 RPM) (Cummins 2010 ISB diesel - 200 HP @ 2600 RPM 520 ft-lb torque @ 1600 RPM)</i>
Exhaust	Vertical muffler	<i>(Horizontal DPF w/ vertical SCR; 5 gallon DEF tank, mounted right side w/ Cummins 2010 ISB)</i>
Air cleaner	Donaldson 11 inch single stage	<i>(Horizontal muffler w/ vertical tailpipe)</i>
Radiator	1050 sq in copper brass	
Fan & drive	Direct drive	<i>(viscous clutch)</i>
Coolant hoses/piping	Silicone hoses with steel tubing	
Coolant	Extended life coolant	

Transmission and Equipment

Transmission model	Allison 3000 RDS	<i>(Allison 3500 RDS)</i>
Transmission gearing	4-speed	<i>(3-speed or 5-speed)</i>
Transmission controls	Allison push button (Gen V)	<i>(Allison t-handle)</i>
Transmission cooler	Oil to water type	
Transmission lubricant	TranSynd™ synthetic	
Driveshaft	Dana Spicer® 1710 half-round	

Front Axle and Equipment

Axle model	Meritor MFS 14	<i>Dana Spicer® E-1322-W (13,200 lb rated)</i>
Front suspension	Flat leaf (14,500 lb rated)	
Shock absorbers	Double acting - heavy duty (2 front shocks)	
Power steering	Gearbox, integral steering w/ mechanical backup	
Power steering reservoir	Integral w/ hydraulic tank	
Brakes	15x4 S-Cam	
Brake drums	Cast iron	
Slack adjusters	Automatic slack adjusters	
Front hubs	Iron hub piloted	

Rear Axle and Equipment

Axle model	Meritor RS24-160 (single reduction)	<i>(Meritor RS30-380, RS30-185) (Dana Spicer® S23-170 (single reduction), S23-190 S30-190 & S30-590)</i>
Rear axle ratio	7.17:1	<i>(ratio based on selected axle & performance)</i>
Rear suspension	Solid	
Brakes	16.5 x 7 s-cam	
Brake drums	Cast iron	
Slack adjusters	Automatic slack adjusters	
Rear hubs	Iron hub piloted	
Gear lubricant	Synthetic	

Chassis and Equipment

Wheelbase	116 inch	<i>122 inch</i>
Frame	2.0 million RBM, 50,000 KSI steel, 'C'-reinforced, heavy duty box frame	
Frame fasteners	Huck bolts where possible	
Bumper	Steel reinforced bumper	<i>Heavy duty reinforced bumper</i>
Tow device(s)	Front & rear tow eyes	

Pneumatic System (Rapid Fill)

Air compressor	Wabco 15.2 CFM	<i>Pull cords on all tanks</i>
Air system drain valve	Manual petcocks all tanks	
Air lines	Nylon, color coded	
Air system	FMVSS 121 airbrake system, front/rear system protection	

Fuel System

Fuel tank	50 gallon steel round mounted left side	<i>50 gallon step tank</i>
Fuel filter	Cummins	
Fuel lines	SAE J844 nylon	

5th Wheel and Hydraulic System

5th wheel	SAF/Holland 70,000 lb semi-oscillating 16 inch lift	(SAF/Holland 100,000 lb)
Hydraulic lift cylinders	(2) 5 inch 50,000 lb capacity, upper & lower heavy duty spherical bearings	(limited lift height cylinders)
Hydraulic tank	15 gallon steel tank w/ sight glass	
Pump	Engine mounted	Trans PTO driven

Trailer Equipment

Air connections		12 ft color coded coiled w/ glad-hands (break-away glad-hands)
7-way electric cable receptacle	15' straight rubber trailer hoses w/spring hanger	12 ft electrical cable

Tires and Wheels

Front tires	11R22.5 LRG
Front wheels	Steel 22.5 x 8.25 hub piloted, 285mm BC
Rear tires	11R22.5 LRG
Rear wheels	Steel 22.5 x 8.25 hub piloted, 285mm BC

Electrical System

Electrical system	12V, negative ground	
Alternator	Delco Remy 22SI 130AMP	
Starter	Delco Remy 38MT	
Batteries	(2) group 31 950 CCA (min)/1900 CCA total	
Circuit protection	Automatic circuit breakers	
Windshield wipers	Single electric (pantograph) w/o washer	
Backup alarm	Non-motion detecting	(motion detecting, CA compliant)
Horn	Single	(air horn)

Lighting

Headlamps	Low/high halogen	
Backup light, stop & turn signals	LED stop & turn, incandescent backup, shock resistant mount	(LED backup)
BOC 5th wheel light	Incandescent, shock resistant mount	

Cab and Equipment

Cab construction	• Electrocoated (e-coated) steel, full cab immersion • (rust prevention coating)	
Cab dimensions (outside)	Raised roof, 52" wide x 71" deep (w/o rear door) x 78" high (deck to roof)	
Cab doors	Left side hinged door w/ manual crank window, sliding rear door	
Rear door opening (useable)	24" wide x 72" high	
Cab floor	Sweep out floor w/ durable mat	rear door protector
Cab dash	Steel wrap around	tinted/laminated sliding door glass
Overhead console	Steel	
Cab mounting	4 point, rear dual (2) air suspension bags	3-point spring
Cab tilt	Electric over hydraulic	
Glass	Tinted, tempered windshield	(laminated windshield)
Mirrors	Dual SST west coast mirrors	(heated primary, motorized primary, convex)
Cab climate control system	44,000 BTU fresh air heater	(air conditioning)
Steering column	Fixed	Tilt/telescopic
Steering wheel	18 inch 2-spoke	
Seat	Air suspension, mid-back without fore/aft isolation	(air suspension, mid-back with fore/aft isolation)
Seat covering	Black Cordura Plus® cloth fabric	
Seat belt	2-point black	(3-point orange)
Dome light	Switch on dash	
Power ports	(2) 12V	((1) cigar lighter/(1) 12V power port)
Sunvisor	None	Translucent
Air Horn	Under cab mounted	Mounted top right side of cab

Operators Controls

Park brake - push/pull
Headlamps
Turn signal - column mounted
Brake pedal
Accelerator pedal
5th wheel height control
5th wheel lock
Transmission gear selector - Push button

Cab Instrumentation

Speedometer
Engine oil pressure
Coolant temperature
Fuel level
Primary (A) air pressure
Secondary (B) air pressure
Hour meter
Air restriction indicator
Fuel water separator

Cab Warning Devices

Park brake
High beam
Turn signal
Low fuel
Low air
Seat belt

Paint

Cab	White	(customer specific colors)
Chassis	Black	(customer specific colors)
Bumper	Black	(customer specific colors)
Wheels	White powder coat	(customer specific colors)

Optional Equipment

Air Dryer	7-way electric trailer cable	Skylight window in roof
Fuel/ water separator w/ heater	Glad-hand and 7-way cable storage	Translucent sun visor
Engine block heater	Battery disconnect switch	Cab fan(s)
Oil pan heater	Air restriction indicator w/ dash light	AM/FM radio/CD w/ aux input, speakers & antenna
Beavertail	Amber beacon light	5# ABC fire extinguisher
Rear mud flaps	Spot/work/flood lights	Air horns
Rear flexible fenders	LED marker lights	Additional instrumentation
Trailer stops/full cab guard	LED side turn signal lights	No driver door
Glad hand buckets	LED headlamps	Lever start, no key
	Auto lube system	Double blink strobe light

Vehicle Ratings

Vehicle tare weight, front	
Vehicle tare weight, rear	
GAWF	13,200 lbs
GAWR	30,000 lbs
GCW	80,000 lbs

Performance

Basic Warranties (Industry Best)

Autocar terminal tractor	1 year or 3,000 hours whichever occurs first, parts & labor
Cummins industrial engine	2 years or 2,000 hours whichever occurs first, parts & labor
Dana axles	3 years parts & labor
Allison transmission	4 years parts & labor
Frame	7 years or 20,000 hours whichever occurs first
Meritor axles	2 years parts & labor

