



INTERNATIONAL
HARVESTER

INTERNATIONAL

R-180

SERIES

GASOLINE • LPG

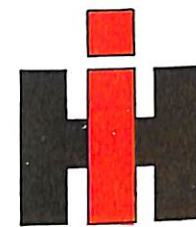
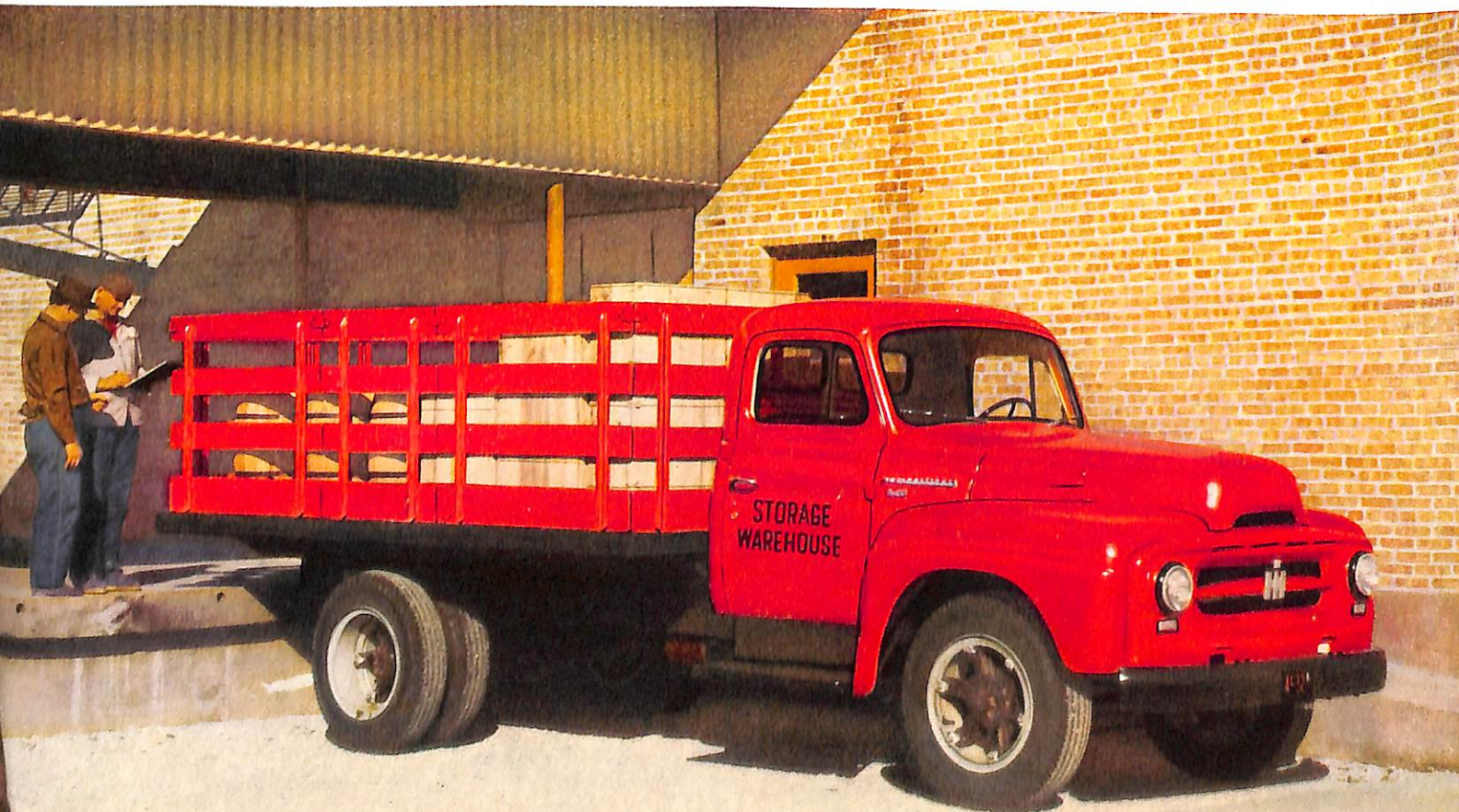


STANDARD • LOADSTAR



Above: Model R-184 LOADSTAR, 142-inch wheelbase, with 8-yard coal body. Steel-flex frames proved best in the field. Cushioned disc clutch. Gross vehicle weight rating 21,500 pounds. Color: Door County Green.

Below: Model R-180 with 12-foot stake body. R-180 Series models available in 130, 142, 154 or 172-inch wheelbase lengths. New Black Diamond 282 engine (gasoline or LPG fuel system). Color: Harvester Red.



INTERNATIONAL — Most Complete Truck Line Built As Only IH Can Build 'Em

The *New* Internationals are built for experienced truck buyers who consider *all* the costs and *must* have top performance.

The *New* International R-line includes 168 basic models, from ½-ton pickup to extra heavy-duty off-highway models. It offers thousands of variations, and makes possible trucks fitted exactly to meet any needs.

Every new model, regardless of size, embodies the same engineering principles that have kept International the leader in heavy-duty truck sales for 21 straight years. Those principles, used in International's continuing program of truck research and development, have resulted in hundreds of exclusive International features, engineering advances that have meant greater profits for truck operators.

Every one of the *307 new features* in this line has been designed, developed, and proved in the world's most advanced truck engineering laboratory, at Fort Wayne, Indiana. These features have been road-proved at International's 4,000-acre desert Proving Ground at Phoenix, Arizona.

There's plenty of future in your new International Truck! It's designed and built to give you years of dependable, rugged service. It's *all* truck!

The new International design is highlighted by the new IH grille emblem — symbol of International's leadership in truck quality. Each model is truly the "Standard of the Highway."

International's versatile new R-180 Series offers improved truck performance at lower cost. Its variety means you can select the truck that's fitted exactly to your own particular job.

The new valve-in-head 130-horsepower Black Diamond 282 engine provides low-cost peak performance for all R-180 Series models. Features include self-cleaning slotted valves, increased capacity generator, and visible-flow carburetion featuring fast-idle cam.

International is the first truck builder to offer *choice of gasoline or LPG power with Underwriters Laboratories listing* in trucks of this size!

You'll like the driver comfort and safety features of the famous Comfo-Vision cab with one-piece Sweepsight windshield for all-around visibility. New green-tinted, non-glare safety glass is optional. There's a new instrument panel with convenient ignition-key starting. Colorful new cab interiors are finished in Beige and Tile Red. Posture-positioned controls and deep cushion seats let you drive and maneuver with comfort and ease.

The *laboratory-proved, road-proved* New International Trucks give profit-minded truck buyers an unmatched combination of values — exactly the right truck for the job, unequalled performance, lowest maintenance and operating costs, and maximum driver comfort. The New Internationals are *built* as only IH can build them . . . *proved* as only IH can prove them . . . *value* only IH can give you.

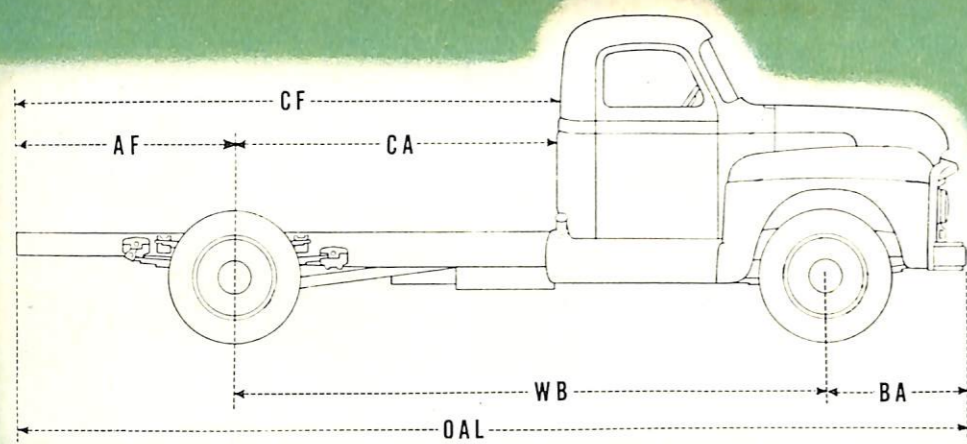
Specialization for the job takes on new meaning in the new International R-180 Series Trucks. Many variations of the same basic chassis assure you the best truck for *your own particular job*.

The R-180 Series models are grouped below according to the type of work they are engineered to do:
Standard: R-180 (GVW 17,000 pounds), R-181 (GVW 19,000 pounds), R-182 (GVW 21,000 pounds). For general-purpose hauling within given GVW ranges.
Loadstar: R-184 (GVW 21,500 pounds). For hauling

heavy loads on jobs subject to high degree of twisting or shock.

Roadliner: R-185 tractor, **Cab-Forward Series:** Model RC-180, RC-181, RC-182, and **Schoolmaster** school bus Model R-183 described in separate catalogs.

A wide variety of colors is available at no extra charge. Optional colors include: Harvester Red, Adirondack Green, Apache Yellow, Arizona Blue, Salt River Sand, Door County Green, Black Canyon Black, Valencia Orange, Palomino Cream, Chesapeake Gray.



STANDARD R-180 R-181 R-182

SPECIFICATIONS

Gross Vehicle Weight Rating	R-180	17,000 lb.
	R-181	19,000 lb.
	R-182	21,000 lb.
Nominal Gross Carrying Capacity (body, equipment and payload)	R-180	11,500 lb.
	R-181	13,000 lb.
	R-182	15,000 lb.

Chassis Dimensions (in inches), Weights (in pounds)				
Wheelbase (WB)	130	142	154	172
Over-all length, with front bumper (OAL)	198%	210%	246%	264%
Back of cab to c/l of rear axle (CA)	60	72	84	102
C/l of rear axle to end of frame (AF)	32	32	56	56
Back of cab to end of frame (CF)	92	104	140	158
Bumper to center of front axle (BA)	36%	36%	36%	36%
Turning radius with bumper clearance (feet)	24	25½	27½	30
Chassis weight, including fuel, oil, and water, standard chassis (approximate)	R-180	5360	5405	5450 5515

The following dimensions (with 9.00-20 tires) are the same for all wheelbases:

- Tread—front wheels, 64¹⁵/₁₆ in.; rear wheels, 70 in.
- Road clearance—front axle, 11³/₁₆ in.; rear axle, 10¹/₂ in.
- Over-all width—front, 81¹/₂ in.; rear, 92³/₁₆ in.
- Height from top of frame to ground, loaded—front, 31¹/₄ in.; rear, 31¹¹/₁₆ in.

Frame: Pressed steel channel, 9 x 3 x 1/4 in.

Engine: (Gasoline or LP Gas) International Super Black Diamond 282, six-cylinder, valve-in-head type, 3¹³/₁₆-in. bore, 4¹/₂-in. stroke. Displacement, 282.546 cu. in.; compression ratio, 6.5; A.M.A. rating, 34.8 hp.; brake hp., 130.2 at 3400 r.p.m., 117.5 net at 3200 r.p.m. Maximum torque, 246.315-ft. at 1800 r.p.m., net 238.2 at 1600 r.p.m. Four steel-backed, replaceable-shell, precision-type main bearings; total projected area, 12.78 sq. in. Six replaceable-shell, precision-type connecting-rod bearings. Exhaust valve inserts.

Lubrication: Full-pressure feed to all main, connecting-rod and piston-pin bearings, camshaft and timing gears. Gear-type, gear-driven oil pump. Oil capacity, 7 qt.

Cooling System: Centrifugal pump circulation, fin-and-tube radiator. Pump driven by V-type fan belt. Capacity, 21 qt.

Ignition: 6-volt, vacuum control, full-automatic distributor.

Generator: 6-volt, 45-ampere, shunt-wound, belt-driven.

Lights: Sealed-beam headlights.

Battery: 6-volt, 19-plate.

Starting Motor: 6-volt.

Carburetor: Downdraft type. Oil-bath-type air cleaner.

Fuel System: Mechanical fuel pump driven from camshaft. 21-gal. tank. Gasoline filter.

Clutch: 12-in., single-plate, with vibration damper.

Transmission: Five speeds forward, one reverse; constant-mesh helical gears in third, fourth and fifth.

Transmission Reductions: First, 6.36 to 1; second, 3.72 to 1; third, 1.92 to 1; fourth, 1 to 1; fifth, .823 to 1; reverse, 6.39 to 1.

Propeller Shaft: Large-diameter, heavy-steel tubing, 2-piece shafts with self-aligning center bearing. Dynamically balanced.

Universal Joints: All-metal, roller-bearing, antifriction type.

Front Axle: Drop-center, I-beam, heat-treated steel drop-forging. Steering knuckles of drop-forged, heat-treated, chrome-molybdenum steel.

Rear Axle: Full-floating, hypoid type. Hotchkiss-type final drive. Chrome-molybdenum steel axle shafts. Heat-treated, one-piece, tubular banjo-type steel housing. Differential and wheel bearings are tapered rollers. Pinion, straddle-mounted on roller bearings.

Axle Reductions: 6.5 to 1, or 7.166 to 1.

Two-Speed Axle (optional): Full-floating, hypoid type, overhung pinion, forced lubrication. Axle reductions: 5.571—7.749 to 1; 6.166—8.577 to 1; or 6.5—9.041 to 1.

Steering Gear: Roller bearing. Cam-and-twin-lever type.

Brakes: Service: 4-wheel, hydraulic, internal-expanding, two-shoe, two-cylinder type with vacuum booster. Hand: Propeller-shaft type, mounted back of transmission.

Springs: Front and rear, semielliptic. Front, 46 x 2 1/4 in.; rear, 54 x 3 in.; auxiliary springs, 34 x 3 in.

Wheels: Cast spoke, malleable iron.

Standard Tires: 8.25-20, 10-ply—all models.

Recommended Tires: 8.25-20, 10-ply, R-180; 9.00-20, 10-ply, R-181; 9.00-20, 10-ply, R-182.

Controls: Throttle, light, and choke controls on instrument panel. Accelerator, clutch, and service brakes operated by pedals. Control levers located in center of driving compartment.

Standard Equipment: Flat-back cowl and dash; sealed-beam headlights; combination tail and stop light; air cleaner; auxiliary rear springs; vacuum booster; jack and tools.

Special Equipment: The following will be available at extra cost when specified on order: regular cab; optional tires; disc-type wheels; 6-volt, 50-ampere generator; two-speed axle with electric shift; inverted L-type frame reinforcement; auxiliary fuel tanks; oil filter; governor; increased cooling; increased-capacity or air brakes; and optional springs.

Regular Cab: Standard equipment: ash tray; right-side door lock; floor mat; extension left-side rear-view mirror; safety glass windows and windshield; full-width spring-type seat and back cushion; left-side sun visor; left-side arm rest; dual-type right and left-side electric windshield wipers; dome light; and ventilating wings. Optional equipment: green-tinted safety glass; fresh air or recirculating type heater and defroster; optional rear-view mirror; foam-rubber seat and back cushion; individual driver's seat.

Finish: Frame and wheels, red. Grille, hood, cab and fenders, a variety of attractive optional colors.

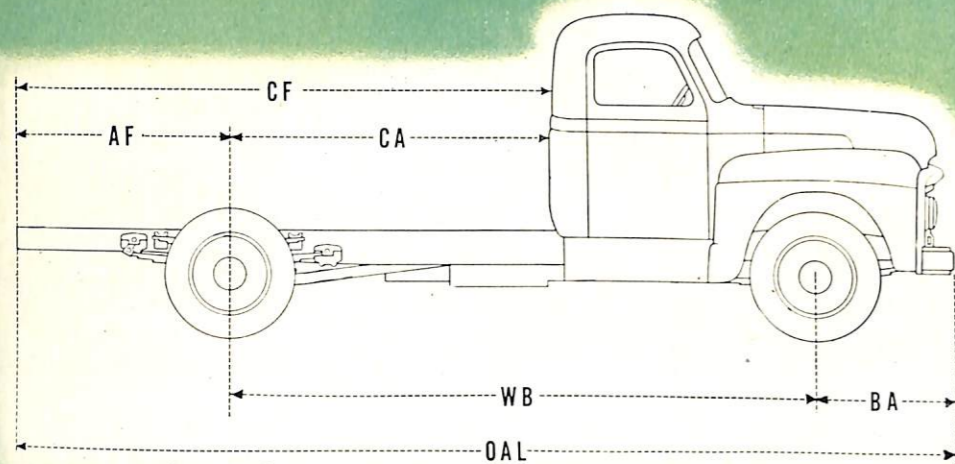
Specifications subject to change without notice.



Above: Model R-181 with 12-foot van body. Comfo-Vision cab. One-piece, curved Sweepsight windshield. New high-visibility instrument panel. New cab comfort and interior styling. Color: Door County Green.

Below: Model R-180 tractor. Heavy-duty 5-speed transmission, over-drive or direct in 5th. Ignition-key starting. 37° turning angle for easier maneuvering. Color: Harvester Red.





LOADSTAR R-184

SPECIFICATIONS

Gross Vehicle Weight Rating	21,500 lb.			
Nominal Gross Carrying Capacity (body, equipment and payload)	15,500 lb.			
Chassis Dimensions (in inches), Weights (in pounds)				
Wheelbase (WB)	130	142	154	172
Over-all length, with front bumper (OAL)	198 $\frac{3}{8}$	210 $\frac{3}{8}$	246 $\frac{3}{8}$	264 $\frac{3}{8}$
Back of cab to c/l of rear axle (CA)	60	72	84	102
C/l of rear axle to end of frame (AF)	32	32	56	56
Back of cab to end of frame (CF)	92	104	140	158
Bumper to center of front axle (BA)	36 $\frac{3}{8}$	36 $\frac{3}{8}$	36 $\frac{3}{8}$	36 $\frac{3}{8}$
Turning radius with bumper clearance (feet)	24	25 $\frac{1}{2}$	27 $\frac{1}{2}$	30
Chassis weight, including fuel, oil, water (approximate)	6035	6080	6125	6190

The following dimensions (with 9.00-20 tires) are the same for all wheelbases:

Tread—front wheels, 64 $\frac{1}{16}$ in.; rear wheels, 72 in.
Road clearance—front axle, 11 $\frac{3}{16}$ in.; rear axle, 8 $\frac{7}{8}$ in.
Over-all width—front, 81 $\frac{1}{2}$ in.; rear, 94 $\frac{1}{2}$ in.
Height from top of frame to ground, loaded—front, 31 $\frac{1}{16}$ in.; rear, 33 $\frac{3}{8}$ in.

Frame: Pressed steel channel, 9 x $\frac{1}{4}$ x 3 in. *Frame reinforced with inverted L-type reinforcement, 9 $\frac{1}{4}$ x 3 $\frac{1}{4}$ x $\frac{1}{4}$ in.

Engine: (Gasoline or LP Gas) International Super Black Diamond 282, six-cylinder, valve-in-head type; 3 $\frac{1}{16}$ -in. bore, 4 $\frac{1}{8}$ -in. stroke. Displacement, 282.546 cu. in.; compression ratio, 6.5; A.M.A. rating, 34.8 hp.; brake hp. 130.2 at 3400 r.p.m., 117.5 net at 3200 r.p.m. Maximum torque, 246.3 lb.-ft. at 1800 r.p.m., net 238.2 at 1600 r.p.m. Four steel-backed, replaceable-shell, precision-type main bearings; total projected area, 12.78 sq. in. Six replaceable-shell, precision-type connecting-rod bearings. Exhaust valve inserts.

Lubrication: Full-pressure feed to all main, connecting-rod and piston-pin bearings, camshaft and timing gears. Gear-type, gear-driven oil pump. Oil capacity, 7 qt.

Cooling System: Centrifugal pump circulation, fin-and-tube radiator. Pump driven by V-type fan belt. Capacity, 21 qt.

Ignition: 6-volt, vacuum control, full-automatic distributor.

Generator: 6-volt, 45-ampere, shunt-wound, belt-driven.

Lights: Sealed-beam headlights.

Battery: 6-volt, 19-plate.

Starting Motor: 6-volt.

Carburetor: Downdraft type. Oil-bath-type air cleaner.

Fuel System: Mechanical fuel pump driven from camshaft, 21-gal. tank. Gasoline filter.

Clutch: 12-in., single-plate, with vibration damper.

Transmission: Five speeds forward, one reverse; constant mesh helical gears in third, fourth and fifth.

Transmission Reductions: First, 7.35 to 1; second, 4.30 to 1; third, 2.52 to 1; fourth, 1.42 to 1; fifth, 1 to 1; reverse, 7.20 to 1.

Propeller Shaft: Large-diameter, heavy-steel tubing. Two-piece shafts with self-aligning center bearing. Dynamically balanced.

Universal Joints: All-metal, roller-bearing, anti-friction type.

Front Axle: Drop-center, I-beam, heat-treated steel drop-forging.

Rear Axle: *Oversize, full-floating, spiral-bevel type. Hotchkiss-type final drive. Chrome-molybdenum steel axle shafts. Heat-treated, one-piece, tubular banjo-type steel housing. Differential and wheel bearings are tapered rollers. Pinion, straddle-mounted on roller bearings.

Axle Reductions: 5.571 to 1; 6.5 to 1, or 7.166 to 1.

Two-Speed Axle (optional): Full-floating, spiral-bevel type, overhung pinion, forced lubrication. Axle reductions: 4.875-6.65 to 1; 5.571-7.599 to 1, or 6.5-8.866 to 1.

Double-Reduction Axle (optional): Full-floating, hypoid bevel and herringbone gearing, pinion overhung. Ratios: 7.049 to 1, 7.754 to 1, or 9.025 to 1.

Steering Gear: Roller bearing. Cam-and-twin-lever type.

Brakes: Service: 4-wheel, hydraulic, internal-expanding, two-shoe, two-cylinder type with vacuum booster. Hand: Propeller-shaft type, mounted back of transmission.

Springs: Front and rear, semielliptic. *Front, 46 x 2 $\frac{1}{4}$ in.; *rear, 54 x 3 in.; auxiliary, 34 x 3 in.

Wheels: Cast spoke, malleable iron.

Standard Tires: 8.25-20, 10-ply.

Recommended Tires: *9.00-20 front and dual rear.

Controls: Throttle, light, and choke controls on instrument panel. Accelerator, clutch, and service brakes operated by pedals. Control levers located in center of driving compartment.

Standard Equipment: *Regular cab; *frame reinforcement; *heavy-duty front and rear springs; auxiliary rear springs; *oversize rear axle; sealed-beam headlights; combination tail and stop lights; air cleaner; *front tow hook; *rear tow loop; vacuum booster; jack and tools.

Special Equipment: The following will be available at extra cost when specified on order: optional tires; disc-type wheels; 6-volt, 50-ampere generator; two-speed axle with electric shift; double-reduction axle; auxiliary fuel tanks; oil filter; governor; increased cooling; increased capacity or air brakes.

Regular Cab: Standard equipment: ash tray; right-side door lock; floor mat; extension left-side rear-view mirror; safety glass windows and windshield; full-width spring-type seat and back cushion; left-side sun visor; left-side arm rest; dual-type right and left-side electric windshield wipers; dome light; and ventilating wings. Optional equipment: green-tinted safety glass; fresh air or recirculating type heater and defroster; optional rear-view mirror; foam-rubber seat and back cushion; individual driver's seat.

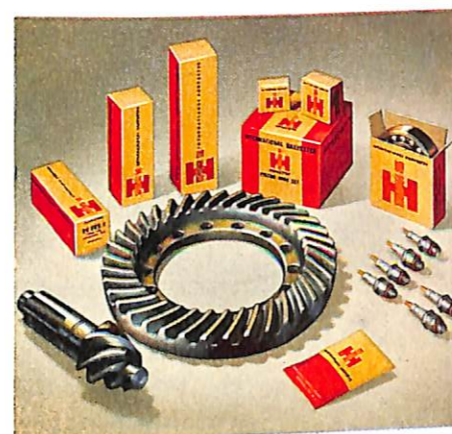
Finish: Frame and wheels, red. Grille, hood, cab and fenders, a variety of attractive optional colors.

*Provided as extra equipment for Model R-184 Loadstars.

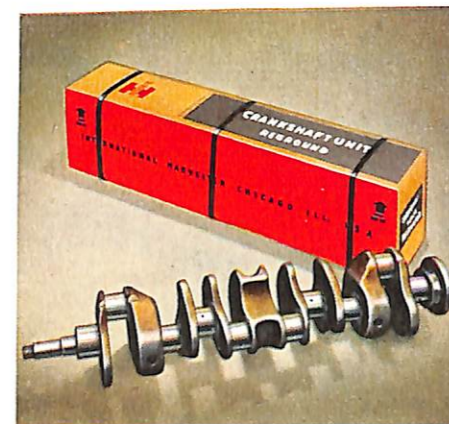
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Keep your new International Truck operating at Peak Efficiency

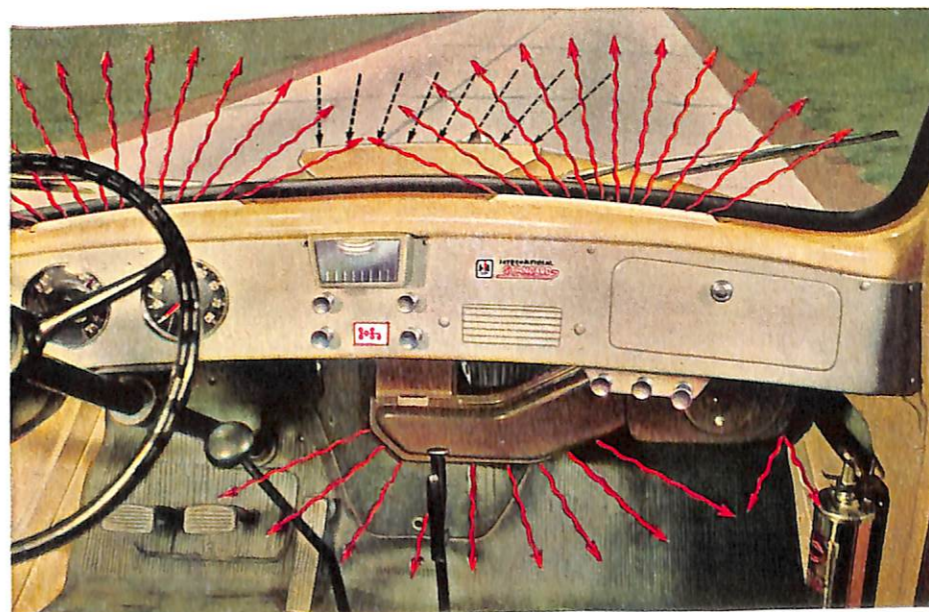
Your International Truck Dealer or Branch has a complete supply of International replacement parts, ReNEWed parts, and International-approved accessories. Here's what this means to you:



Precision-engineered parts just like the originals! Replacement parts are of the same high quality as those used in new International Trucks. They are precision-engineered to the same exact specifications. They are precision-made of the same quality materials. They are precision-tested to assure the same perfect fit.



ReNEWed parts at a saving of 1/3 or more! Under International's ReNEWed parts plan, you save 1/3 or more by trading in old parts for ReNEWed parts. Each ReNEWed part (engines, crankshafts, carburetors, clutches, transmissions, differentials, brake shoes, etc.) carries the International new part warranty.



The International "All-fresh-air" heating, ventilating and defrosting system, supplied as optional equipment on all R-Line models, provides all-weather comfort the year 'round. Fresh-air intake, through the cowl ventilator, eliminates the possibility that foul air will be taken into the system. In R-Line Internationals equipped with this system,

drivers choose their own weather—comfortably warm in winter, refreshingly cool in summer. Ask your International Truck Dealer or Branch for more information on the advantages of this heating, ventilating and defrosting system which provides year-round comfort, protects the driver's health, and contributes to safe driving.

INTERNATIONAL TRUCK SERVICE A nation-wide network —convenient, complete

THE NATION'S LARGEST exclusive truck service organization is ready to give your International Truck complete, quick, expert service — when and where you need it.

This organization is made up of 5,000 Dealers and 181 Company-owned Branches. It includes International factory-trained mechanics, with special equipment and tools. It includes precision-built replacement parts, ReNEWed parts, company-approved accessories. It stands behind every International Truck.

Valuable aids to driving comfort, safety, dependability! International-approved accessories are selected to meet International Harvester standards of quality, utility, and value. Design, construction, and materials are closely inspected. Each accessory is subjected to tests under actual operating conditions. Your International Truck Dealer or Branch has a complete selection of spotlights, seat covers, fire extinguishers, portable hydraulic jacks, radiator grille guards, fog lights, skid chains, safety flares, sanders, and many other accessories.





INTERNATIONAL TRUCK SERVICE

A nation-wide network—convenient, complete

181 Company-Owned Branches and Service Stations — Dealers Everywhere

Aberdeen, S. Dak.	Danville, Ill.	Kansas City, Kans.	Quincy, Ill.	Springfield (West), Mass.
Abilene, Tex.	Davenport, Iowa	Knoxville, Tenn.	Reading, Pa.	Springfield, Mo.
Akron, Ohio	Dayton, Ohio	LaFayette, Ind.	Richmond, Va.	Springfield, Ohio
Albany, N. Y.	Decatur, Ill.	Lexington, Ky.	Rochester, N. Y.	Sweetwater, Tex.
Allentown, Pa.	Denver, Colo.	Lincoln, Nebr.	Sacramento, Calif.	Syracuse, N. Y.
Altoona, Pa.	Des Moines, Iowa	Little Rock, Ark.	Saginaw, Mich.	Terre Haute, Ind.
Amarillo, Tex.	Detroit, Mich. (2)	Long Beach, Calif.	St. Cloud, Minn.	Toledo, Ohio
Atlanta, Ga.	Dubuque, Iowa	Long Island City, N. Y.	St. Joseph, Mo.	Topeka, Kans.
Aurora, Ill.	Duluth, Minn.	Los Angeles, Calif. (2)	St. Louis, Mo. (3)	Trenton, N. J.
Baltimore, Md.	East Hartford, Conn.	Louisville, Ky.	St. Paul, Minn.	Tulsa, Okla.
Bangor, Maine	Eau Claire, Wis.	Lubbock, Tex.	Salt Lake City, Utah	Utica, N. Y.
Baton Rouge, La.	Elizabeth, N. J.	Madison, Wis.	San Antonio, Tex.	Washington, D. C.
Beaumont, Tex.	Elmira, N. Y.	Mankato, Minn.	San Diego, Calif.	Waterbury, Conn.
Billings, Mont.	El Paso, Tex.	Mason City, Iowa	San Francisco, Calif.	Waterloo, Iowa
Binghamton, N. Y.	Ephrata, Pa.	Mattoon, Ill.	Savannah, Ga.	Watertown, N. Y.
Birmingham, Ala.	Erie, Pa.	Memphis, Tenn.	Schenectady, N. Y.	Watertown, S. Dak.
Bismarck, N. Dak.	Evansville, Ind.	Milwaukee, Wis. (2)	Scranton, Pa.	West Haven, Conn.
Boston, Mass.	Fargo, N. Dak.	Minneapolis, Minn.	Shreveport, La.	Wichita, Kans.
Bridgeport, Conn.	Fort Dodge, Iowa	Minot, N. Dak.	Sidney, Nebr.	Wichita Falls, Tex.
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Canton, Ohio	Grand Forks, N. Dak.	Oakland, Calif.	Springfield, Ill.	Youngstown, Ohio
Castle Shannon, Pa.	Grand Island, Nebr.	Oklahoma City, Okla.		
Cedar Rapids, Iowa	Grand Rapids, Mich.	Omaha, Nebr. (2)		
Charleston, S. C.	Great Falls, Mont.	Onawa, Iowa		
Charleston, W. Va.	Green Bay, Wis.	Parkersburg, W. Va.		
Charlotte, N. C.	Greensboro, N. C.	Paris, Ill.		
Cheyenne, Wyo.	Harrisburg, Pa.	Paterson, N. J.		
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Cincinnati, Ohio (2)	Hutchinson, Kans.	Philadelphia, Pa. (2)		
Clarksdale, Miss.	Indianapolis, Ind. (2)	Pittsburgh, Pa.		
Cleveland, Ohio (2)	Jackson, Mich.	Portland, Maine		
Columbus, Ohio	Jacksonville, Fla.	Portland, Oregon		
Corpus Christi, Tex.	Jersey City, N. J.	Poughkeepsie, N. Y.		
Council Bluffs, Iowa	Kankakee, Ill.	Presque Isle, Maine		
Dallas, Tex.	Kansas City, Mo. (2)	Providence, R. I.		

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London, Ont.	Toronto, Ont.
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INTERNATIONAL HARVESTER COMPANY
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