



Popular Bus and Medium-Duty Truck Applications

Keep your fleet on the road with high-quality, OE replacement parts from Thermal Solutions. Our ready-to-install TruckTough® complete bus and truck radiators are built in North America to strict OE standards, and are engineered to deliver superior performance and durability. Applications are available for most types of Navistar International® vehicles, and Blue Bird® and Carpenter buses.



We offer a complete full-core and half-core line to cover most popular school bus and other light-to-medium-duty delivery vehicles.

- 21 models to fit most popular applications.
- Proper fit to charge air cooler.
- Includes all the frame pieces.
- With or without the oil cooler.
- Oil cooler is 7-plate stainless steel.
- Units are in stock and ready to ship.
- Navistar International®, Blue Bird® and Carpenter school bus applications.



TSM
Thermal Solutions
Manufacturing, Inc.

- Same or next-day delivery where available
- Coast-to-coast national warranty

Half Core Applications					
437300S	International Navistar 4900 series (1993-1996) school bus; DT466 engine	31-1/4" x 12-3/4" x 2-1/4"	Inlet 2-1/2"; outlet 2-1/2"	Upper top center and lower right straight	Solder-on brass tanks; side-by-side core; no oil cooler; straight outlet
437305S	International Navistar 4900 series (1993-1996) school bus; DT466 engine	31-1/4" x 12-3/4" x 2-1/4"	Inlet 2-1/2"; outlet 2-1/2"	Upper top center and lower right straight	Solder-on brass tanks; side-by-side core; with 18" - 7 plate oil cooler; straight connection
437310S	International Navistar 3800 bus, 4700, 4800, 4900 models with DT466 and T444 engines	31-1/4" x 12-3/4" x 2-1/4"	Inlet 2-1/2"; outlet 2-1/2"	Upper top center and lower right 90°	Solder-on brass tanks; side-by-side core; 18" - 7 plate oil cooler; 90° connection
437320S	International Navistar 4900 series	31-1/4" x 12-3/4" x 2-1/4"	Inlet 2-1/2"; outlet 2-1/2"	Upper top center and lower right 90°	Solder-on brass tanks; side-by-side core; no oil cooler; 90° outlet connection on right side
437325S	International Navistar 4900 series	30-1/2" x 12-5/8" x 2-1/4"	Inlet 2-1/2"; outlet 2-1/4"	Upper top center and lower right side	Solder-on brass tanks; side-by-side core; no oil cooler; straight outlet connection
437326S	International Navistar 4900 series (1993-1996) school bus; DT466 engine	31-1/4" x 12-13/16" x 2-1/4"	Inlet 2-1/2"; outlet 2-1/4"-2-1/2"	Upper top center and lower right straight	Solder-on brass tanks; side-by-side core; with 18" - 7-plate oil cooler on grille side; stepped outlet (2-1/4" to 2-1/2") connection
437327S	International Navistar 4900 series (1993-1996)	31-1/4" x 12-3/4" x 2-1/4"	Inlet 2-1/2"; outlet 2-1/2"	Upper top center and lower right 90°	Solder-on brass tanks; side-by-side core; with 18" - 7-plate oil cooler on grille side; 90° outlet connection
437328S	International Navistar Blue Bird bus, diesel	31-1/4" x 12-1/4" x 2-1/4"	Inlet 2-1/2"; outlet 2-1/2"	Upper right side and lower right side	Solder-on brass tanks; side-by-side core; with 18" - 7-plate oil cooler included; straight outlet connection; sight glass on grille side
437330S	International Navistar 4900 series (1993-1996)	31-1/4" x 12-3/4" x 2-1/4"	Inlet 2-1/2"; outlet 2-1/4"-2-1/2"	Upper top center and lower left straight	Solder-on brass tanks; side-by-side core; no oil cooler; straight outlet connection on left side
437331S	International Navistar 3800 bus, 4700, 4800, 4900 models with DT466 and T444 engines	31-1/4" x 12-3/4" x 2-1/4"	Inlet 2-1/2"; outlet 2-1/4"-2-1/2"	Upper top center and lower left straight	Solder-on brass tanks; side-by-side core; with 18" - 7-plate oil cooler included; step outlet (2-1/4" to 2-1/2"); connection on left side
437333S	International Navistar 4400, 7300 series	31-1/4" x 12-1/4" x 2-1/4"	Inlet 2-1/2"; outlet 2-1/2"	Upper right side and lower right 90°	Solder-on brass tanks; side-by-side core; with 18" - 7-plate oil cooler included; 90° outlet connection; sight glass on grille side
437338S	International Navistar 4400, 7300 series with DT466 engine	30-1/2" x 12-5/8" x 2-1/4"	Inlet 2-1/2"; outlet 2-1/4"	Upper top center and lower left straight	Solder-on brass tanks; side-by-side core; with lower left side straight outlet
437303S	International 1652 3400, 3800, 4700	30-1/2" x 12-3/4" x 2-1/4"	Inlet 2-1/2"; outlet 2-1/4"	Upper top center and lower left 90°	Solder-on brass tanks; 7-plate oil cooler on grille side; side-by-side core
437401S	International 1652 3400, 3800, 4700	30-1/2" x 12-3/4" x 2-1/4"	Inlet 2-1/2"; outlet 2-1/4"	Upper top center and lower right straight	Solder-on brass tanks; 7-plate oil cooler on grille side; side-by-side core
Full Core Applications					
437181S	Blue Bird/Carpenter	29-3/4" x 26-1/8" x 2-1/4"	Inlet 2"; outlet 2"	Upper left side and lower right side	Solder-on brass tanks; uses OE frame brackets
437182S	Blue Bird/Carpenter	29-3/4" x 26-1/8" x 2-1/4"	Inlet 2"; outlet 2"	Upper left side and lower right side	Solder-on brass tanks; uses OE frame brackets
437183S	Blue Bird/Carpenter	29-3/4" x 26-1/8" x 2-1/4"	Inlet 2"; outlet 2"	Upper right side and lower right side	Solder-on brass tanks; uses OE frame brackets
437186S	Blue Bird/Carpenter	30-7/8" x 26-1/8" x 2-1/4"	Inlet 2"; outlet 2"	Upper left side and lower right side	Solder-on brass tanks; uses OE frame brackets
437387S	Blue Bird	31" x 26-1/4" x 2-1/4"	Inlet 2"; outlet 2"	Upper left side and lower right side	Solder-on brass tanks; uses OE frame brackets
437301S	International 1000 3000, 4000 series	31" x 26" x 1-1/2"	Inlet 2-1/2"; outlet 2-1/2"	Upper top center and lower right straight	Solder-on brass tanks; 7-plate oil cooler on engine side
437302S	International 1000 3000, 4000 series	31" x 26" x 1-1/2"	Inlet 2-1/2"; outlet 2-1/2"	Upper top center and lower left straight	Solder-on brass tanks; 7-plate oil cooler on engine side

Side-by-side core = ½ unit Complete Truck/Bus Radiator (CTR); ½ unit Charge Air Cooler (CAC); CAC not included.

Thermal Solutions radiators are not OE parts, but are replacement parts for various manufacturers. Radiator measurements may vary slightly from OE and other manufacturers.



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