

GASOLINE & PROPANE  
8.8L V-8

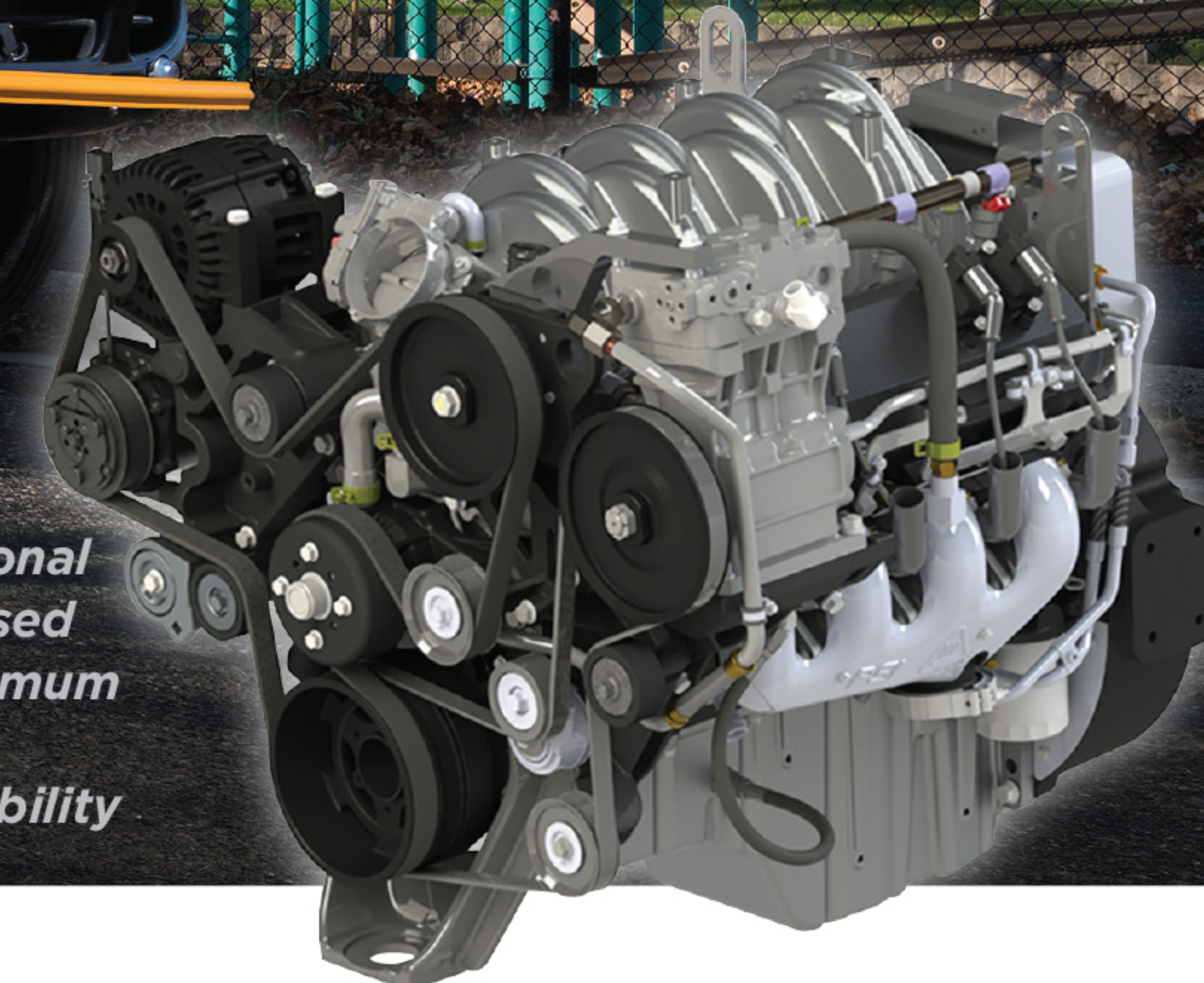


**MAXIM**  
TRUCK & TRAILER



# PURPOSE BUILT FOR THE SCHOOL BUS INDUSTRY

*Power Solutions International  
(PSI) 8.8L — uncompromised  
power performance, maximum  
fuel efficiency, emissions  
certification and fuel flexibility*



## HEAVY-DUTY DESIGN

- ▶ Forged, induction-hardened crankshaft
- ▶ Forged rods and pistons
- ▶ Oil bath lubrication provides piston cooling
- ▶ Low engine-speed design produces less noise, heat and wear than competitor gasoline engines

## SERVICEABLE

- ▶ Both the engine compartment and engine provide best-in-class accessibility for easy maintenance
- ▶ Includes the industry's only one-stop warranty for gasoline vehicles
- ▶ Allison Transmission 7-year/ Unlimited mileage warranty
- ▶ Industry's broadest, most capable parts distribution and dealer network

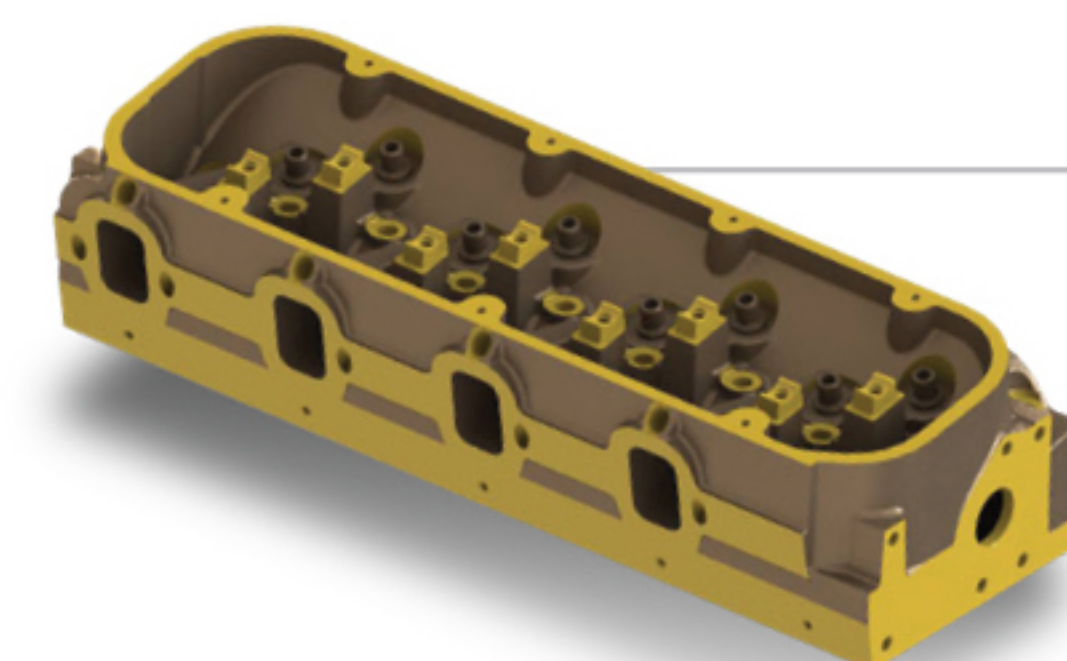
## ALLISON TRANSMISSIONS

- ▶ Shorter, sturdier shaft has increased durability vs. Ford
- ▶ Over 44% more clutch material vs. Ford so it holds gear and lasts longer in the toughest operation
- ▶ Heavy-duty park pawl better secures vehicle
- ▶ Same transmission used across all IC Bus® powertrains for ease of maintenance

## POWER OF CHOICE

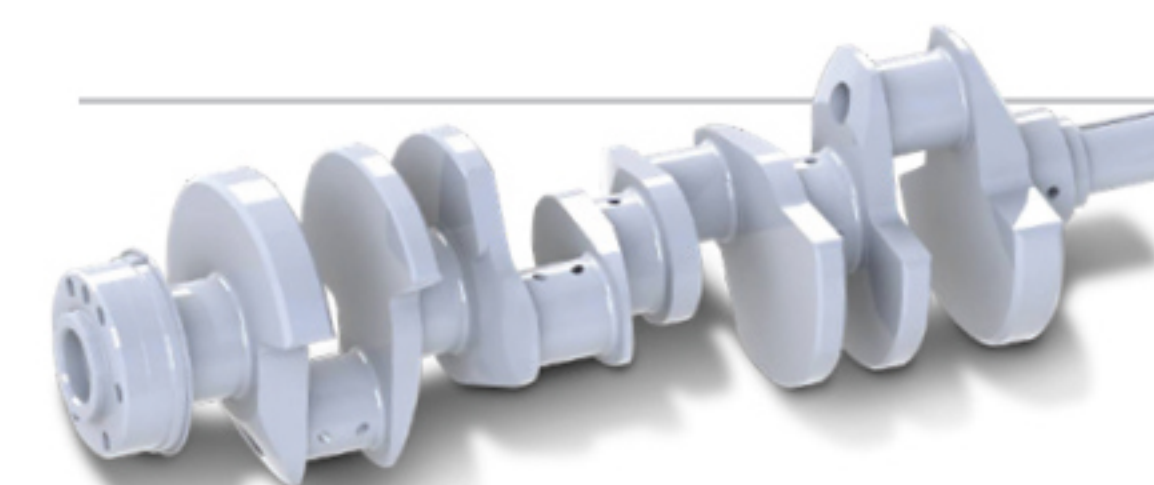
- ▶ Gasoline and Propane versions use same engine block providing an easy solution for mechanics and drivers of mixed fleets
- ▶ Gasoline and Propane makes cold weather startup easy
- ▶ Upfront cost is lower compared to diesel

## DEVELOPED FROM THE BLOCK UP TO BE RELIABLE AND DURABLE



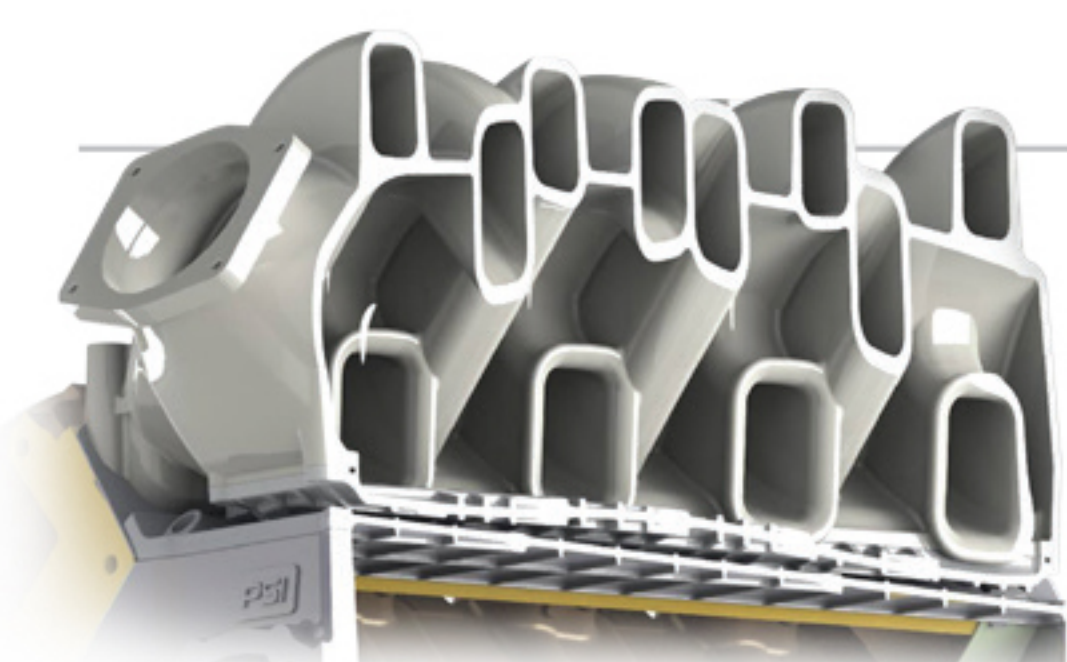
### CYLINDER HEADS

Modernized, heavy-duty, high-flow heads create fast burn to improve efficiency and reduce emissions



### CRANKSHAFT

Forged and induction-hardened steel crankshaft creates durable block capable of 1,000+ ft-lb of torque



### INTAKE MANIFOLD

Tuned long-runner provides higher torque and special air gap design keeps engine air cooler for improved efficiency



# PSI 8.8L V-8 vs. FORD 6.8L V-10

PSI 8.8L V-8	GASOLINE	PROPANE
Displacement	8.8L	8.8L
Rated Horsepower	265 hp @ 2600	270 hp @ 2600
@ 1000 RPM	95 hp	103 hp
@ 2000 RPM	202 hp	215 hp
Rated Torque	548 lb.-ft. @ 1800	565 lb.-ft. @ 1500
@ 1000 RPM	500 lb.-ft.	540 lb.-ft.
@ 2000 RPM	530 lb.-ft.	564 lb.-ft.
Bore/Stroke	4.35" x 4.50"	4.35" x 4.50"
Compression Ratio	9.1:1	10:1

DISPLACEMENT: **8.8L** | RATED POWER: **265-270 HP** | RATED TORQUE: **548-565 LB-FT**

## RPM / HORSEPOWER

The PSI 8.8L low engine speed design drives like a diesel, with no compromise on engine power and reliability.



FORD 6.8L V-10	PROPANE
Displacement	6.8L
Rated Horsepower	320 hp @ 3900
@ 1000 RPM	71 hp
@ 2000 RPM	160 hp
Rated Torque	460 lb.-ft. @ 3000
@ 1000 RPM	375 lb.-ft.
@ 2000 RPM	420 lb.-ft.
Bore / Stroke	3.55" x 4.17"
Compression Ratio	9.2:1

DISPLACEMENT: **6.8L** | RATED POWER: **320 HP** | RATED TORQUE: **460 LB-FT**

## WARRANTY COVERAGE — ADVANTAGE: IC BUS®

PSI POWERTRAIN:  
**5-year / Unlimited miles**

ALLISON TRANSMISSION:  
**7-year / Unlimited miles**

When it comes to servicing your IC Bus®, you can count broadest, most capable dealer network in the industry — no matter what component needs attention. In contrast, a Bluebird customer will need to visit either Ford or Roush depending on the service requirement.

**The simplicity of the IC Bus® warranty means less frustration and quicker service.**

## CAN I GET MY BUS SERVICED AT A BUS DEALERSHIP?

SERVICE	IC BUS	BLUE BIRD
Gasoline Engine:	YES	NO
Gasoline Fuel System:	YES	NO
Propane Engine:	YES	NO
Propane Fuel System:	YES	NO

## ALLISON 2000 SERIES™ TRANSMISSION ADVANTAGE

### ALLISON SHAFT

- ▶ **Shorter sturdier shaft** has increased strength and reliability vs. Ford



### ALLISON C1 CLUTCH

- ▶ **8.3%** more clutch material vs. Ford
- ▶ Better holding force and delivering more power to the drive wheels



### ALLISON C5 CLUTCH

- ▶ **44.2%** more clutch material vs. Ford
- ▶ Holds 1st gear and lasts longer in the toughest operation



### ALLISON PARK PAWL

- ▶ **Heavy-duty** park pawl better secures vehicle when you need it most

