

HAYDEN[®] AUTOMOTIVE

A COMPANY OF FOUR SEASONS DIVISION / STANDARD MOTOR PRODUCTS, INC

PERFORMANCE COOLING PRODUCTS



Ultra-Cool[®] High Performance Fans

ULTRA-COOL[®] 14" and 17" fans offer the highest airflow outputs in a very low profile. Under 3" thick they fit a wide variety of primary and supplemental cooling applications including cars, trucks, SUV's and custom vehicles. The unique design allows the fans to be installed as either a puller or a pusher without having to reverse the blade or wiring. A powerful 130/270 watt two-speed motor provides high airflow even with thick or dense radiators.

Part #	Fan/Speed	Voltage	AMPS	CFM ¹	CFM ²
3814	14" Low	13.5	13.8	1,300	1,075
	14" High	13.5	23.0	1,700	1,500
3817	17" Low	13.5	17.0	1,725	1,500
	17" High	13.5	23.5	2,100	1,800

¹Cubic feet per minute free airflow. ²Cubic feet per minute airflow across a typical radiator.

- 14" and 17" High Performance Fans
- Ultra Low Profile (2.6")
- Two-Speed 130/270 Watt Motor
- Reversing Blade and Motor Wires Not Required
- One Assembly for Push or Puller Mounting
- Four Mounting Hardware Options Included
 - Adjustable Ratcheting Mounting System
 - Direct Mounting Through Radiator
 - Radiator Frame Rail Mounting
 - Angle Bracket Mounting

Remote Transmission Oil Cooling Systems

Our remote mount cooling systems use the most advanced stator fans to evenly distribute airflow over the cooler surface for maximized cooling. Both units can be remotely mounted away from the radiator. Compatible with model 3651 adjustable fan control, or can be operated with a manual switch (not included).



525 - High Performance

526 - Rapid-Cool[®]

- Powder Coated Aluminum Brackets
- Fan and Cooler Preassembled
- Remote Mounting
- Stator Fan Blade Technology

Part #	Thickness	Height	Length	Fitting Size	Application
525	3.5"	11"	18.5"	9/16" - 18" S.A.E. Flare	Threaded Cooler Fittings for Maximum Dependability
526	3.5"	11"	13.8"	3/8" Push-On	Ultra Compact Design Provides Same Cooling as the High Performance Model



Electric Fans

All of our Electric Fans Feature...

- Super Quiet High Flow "S" Blade Design
- Reversible Push / Pull Blades
- High Quality, Long Life Motors
- Compatible with all Hayden Fan Motors
- Complete Kits with Mounting Hardware
- Thin, Aerodynamic Profile for Applications with Limited Space
- Full Fingerguard Shroud
- Available in 10", 12", 14" and 16" Diameters
- 16" Super Duty Fans Now Available in Black, Red and Yellow



3600-3700 Series

Hayden Super Duty High Flow Electric Fans provide the performance and protection your vehicle needs to handle the abuse of everyday driving. Stop excessive engine damage before it happens! Protect your engine with a Hayden Super Duty High Flow Electric Fan.

Electric Fan Specifications (3600-3700 Series & Super Duty)

Part #	Diameter	Mount Area	Thickness	CFM ¹	CFM ²	AMP Draw
3670	10"	10-7/8" x 11-3/8"	2-5/8"	650	500	5.4
3680	12"	11-7/8" x 12-1/2"	2-3/4"	800	675	8.8
3690	14"	13-7/8" x 14-3/4"	3-5/8"	1,250	1,050	11.5
3700	16"	15-3/4" x 16-3/4"	4-1/4"	1,400	1,150	16.5
3701 ³	16"	15-3/4" x 16-3/4"	4"	1,400	1,150	18.0
3710	16"	15-3/4" x 16-3/4"	4-1/4"	1,500	1,300	20.4
3711 Black	16"	15-3/4" x 16-3/4"	4-1/2"	1,500	1,300	17.0
3712 Red	16"	15-3/4" x 16-3/4"	4-1/2"	1,500	1,300	17.0
3713 Yellow	16"	15-3/4" x 16-3/4"	4-1/2"	1,500	1,300	17.0

¹Cubic feet per minute free airflow. ²Cubic feet per minute airflow across a typical radiator. ³Puller Only



16" Super Duty Fans

Dual Electric Fan Specifications

Part #	Length	Height	Thickness	Free Airflow	RPM	AMP Draw
3800	25-1/4" - 28-3/8"	13-3/16"	2-5/8"	1,600	2,350	16.6

¹Adjustable Mounting Bracket



3800 - Dual 12" Fan Assembly

3801 Kit: Powder Coated Brackets will Mount two 10", 12", 14" or one 16" Fan

3647 Kit: Adjustable from 160F - 230F. Probe installs into radiator fins.

3651 Kit: Adjustable from 160F - 230F. 1/8" MPT thread-in-probe for temperature sensing. Installs in water jacket or radiator.

3654 Kit: 2 Speed / 2 Fan Controller for use with Ultra-Cool High Performance Fans. Adjustable from 160F - 210F. Probe installs into radiator fins.



Fan Controller Kits

Hayden offers three kits that control the operating temperatures of electric fans. Each kit is compatible with Hayden High Flow Electric Fans as well as Original Equipment Fans.

- Temperature and A/C Activation
- Operation of up to Two Fans
- A/C or Manual Override
- Complete Instructions and Hardware

Transmission Oil Coolers

High Performance Transmission Oil Coolers

Available in three sizes for medium to heavy duty applications, our high performance cooler is designed to provide outstanding cooling, as well as to complement other high performance accessories.



Part #	Thickness	Height	Length	Core	Fitting Size	Application
512	3/4"	7-1/2"	12-1/2"	8-3/4"	9/16" - 18" S.A.E. Flare	Up to Full Size Vehicles, Towing up to 2,500 lbs.
514	3/4"	7-1/2"	15-7/8"	12-1/8"	9/16" - 18" S.A.E. Flare	Up to Class "C" Motorhomes, Towing up to 5,000 lbs.
516	3/4"	10"	15-7/8"	12-1/8"	9/16" - 18" S.A.E. Flare	Up to Class "A" Motorhomes, Towing up to 10,000 lbs.

Rapid-Cool® Transmission Oil Coolers

Rapid-Cool®'s unique plate and fin design offers excellent cooling efficiency in a compact, space-efficient design.

- 33% More Efficient Than a Comparable Tube & Fin Design
- Pre-Drilled Mounting Plates for Easy Installation
- Four Sizes Available to Fit a Wider Range of Applications
- Internal Turbulation for Efficient Heat Transfer
- 3/8" Push-On Fittings for Quick and Easy Installation



Part #	Thickness	Height	Length	Core	Fitting Type	Application	GVW
676	3/4"	6"	11"	3-15/16"	3/8" Push-On	Compact and Sub-Compact Cars	10,000
677	3/4"	7-1/2"	11"	5-1/2"	3/8" Push-On	Up to Full Size Vehicles, Towing up to 2,500 lbs.	14,000
678	3/4"	9-1/2"	11"	7-3/8"	3/8" Push-On	Up to Class "C" Motorhomes, Towing up to 5,000 lbs.	18,000
679	3/4"	11-5/8"	11"	9-1/2"	3/8" Push-On	Up to Class "A" Motorhomes, Towing up to 10,000 lbs.	22,000
687	3/4"	7-1/2"	11"	5-1/2"	9/16"-18, 37° JIC Male Flare (-6)	Up to Full Size Vehicles, Towing up to 2,500 lbs.	14,000
689	3/4"	11-5/8"	11"	9-1/2"	9/16"-18, 37° JIC Male Flare (-6)	Up to Class "A" Motorhomes, Towing up to 10,000 lbs.	22,000

Ultra-Cool® Transmission Oil Coolers

The industry's first transmission cooler, the Ultra-Cool® transmission oil cooler is available in six sizes to fit a wide range of applications from sub-compacts to motorhomes.

- Ultrasonically Soldered for Reliability
- 100% Pressure Tested at 150 PSI for Quality Assurance
- High Efficiency Turbulators in Every Tube for Maximum Heat Dissipation
- 3/8" Push-On Fittings for Quick and Easy Installation



Part #	Thickness	Height	Length	Core	Fitting Type	Application
401	3/4"	5"	12-1/2"	8- 3/4"	3/8" Push-On	Compact and Sub-Compact Cars
402	3/4"	5"	15-7/8"	12-1/8"	3/8" Push-On	Up to Full Size Vehicles, Towing up to 2,500 lbs.
403	3/4"	7-1/2"	12-1/2"	8- 3/4"	3/8" Push-On	Up to Full Size Vehicles, Towing up to 2,500 lbs.
404	3/4"	7-1/2"	15-7/8"	12- 1/8"	3/8" Push-On	Up to Class "C" Motorhomes, Towing up to 5,000 lbs.
405	3/4"	10"	15-7/8"	12- 1/8"	3/8" Push-On	Up to Class "A" Motorhomes, Towing up to 10,000 lbs.
1015	1-1/2"	12"	15-1/8"	11- 1/8"	3/8" Push-On	Towing with Class "A" Motorhomes or Towing More Than 10,000 lbs.

Engine Oil Coolers

Protect your investment with our Engine Oil Coolers

- Extends Oil and Engine Life
- Reduces Wear on All Lubricated Engine Parts
- Complete Kits with Cooler, Adapter, Hose and Mounting Hardware
- Thermostatic Control Prevents Over Cooling of Oil

Ultra-Cool® Engine Oil Coolers - Light Duty

- Lightweight all Aluminum Construction
- Ultrasonically Soldered for Maximum Reliability
- Turbulators in Every Tube for Efficient Cooling
- Part #462 Specially Designed for Chevrolet V8 Engines



Part #	Thickness	Height	Length	Core	Fitting Size	Application
459	3/4"	7-1/2"	12-1/2"	8-3/4"	1/2" Push-On	All Except Chevy V8
462	3/4"	7-1/2"	12-1/2"	8-3/4"	1/2" Push-On	Chevy V8 Only
1230	3/4"	7-1/2"	12-1/2"	8-3/4"	1/2" Push-On	Cooler Only

Ultra-Cool® Engine Oil Coolers - Medium Duty

- Two-Pass Thin-Line Headered Design for Increased Cooling
- 100% Hand-Brazed Construction
- Turbulators in Every Tube for Efficient Cooling
- Part #461 Specially Designed for Chevrolet V8 Engines



Part #	Thickness	Height	Length	Core	Fitting Size	Application
457	3/4"	10-1/2"	12-1/4"	8-5/8"	3/8" FPT	All Except Chevy V8
461	3/4"	10-1/2"	12-1/4"	8-5/8"	3/8" FPT	Chevy V8 Only

Swirl Cool® Engine Oil Coolers - Heavy Duty

- Copper Header and Tube Construction
- Turbulators in Every Tube for Maximum Cooling and Efficiency
- Vibration Absorbing Rubber Block Mounting
- 1-1/2" Thick Headered Design for Increased Cooling and Minimal Pressure Loss
- Part #1046 Specially Designed for Chevrolet V8 Engines



Part #	Thickness	Height	Length	Core	Fitting Size	Application
1040	1-1/2"	6-1/2"	18"	14-1/4"	1/2" FPT	All Except Chevy V8
1046	1-1/2"	6-1/2"	18"	14-1/4"	1/2" FPT	Chevy V8 Only

Chevrolet specific kits come with a metal line kit to route oil lines past exhaust manifold.

Rapid-Cool® Radiator Mist System

The Rapid-Cool® Radiator Mist System adds up to an extra 40° of cooling power on demand. Great for motorhomes or towing vehicles that encounter occasional overheating conditions under heavy loads or while pulling steep grades. Unique reservoir and integral pump design simplifies installation.

- 20' Clear Plastic Tubing
- 20' Pre-Wired Electrical Wiring Harness
- Steel Reservoir Mounting Straps
- Momentary Push Button Switch With Mounting Bracket
- In-Line Anti-Siphon Check Valve
- Tee and Line Connectors
- Complete Installation Instructions



Part #	Depth	Width	Height	Overall Height
100	7-1/2"	12"	9-1/2"	12" Including Mounting Straps

Verify available space before installation. Some vehicles may require significant mounting modification due to limited available space. See dimensional chart for reservoir dimensions.