

HAYDEN[®]
A U T O M O T I V E



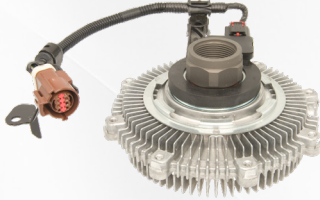
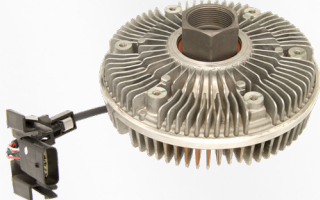
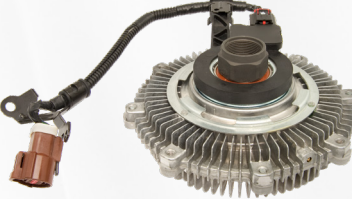

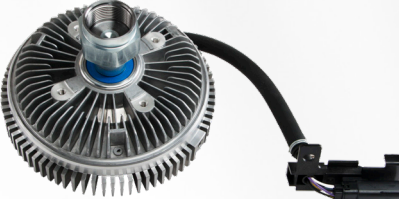



The Leader in Automotive Cooling

For more than 50 years, Hayden[®] Automotive has been the leader in performance cooling products for engine, transmission and power steering oil cooling. As a certified OES supplier, Hayden[®] continues to add innovative products to meet the needs of its customers while investing in continuous improvements and maintaining superior quality standards. This includes being the first aftermarket manufacturer of electronic fan clutches with industry leading coverage and world class performance.

Part Number	Buyer's Guide*	
3200	Buick Rainier (07-04); Chevy SSR (06-03), Trailblazer (09-02); GMC Envoy (09-02); Isuzu Ascender (07-03); Oldsmobile Bravada (04-02); Saab 9-7x (07-05)	
3202	GMC & Chevy Fullsize Pickup (14-11)	
3203	GMC & Chevy Fullsize Pickup (16-15)	
3210	Chevy Colorado (17-16), G Series Fullsize Van/Express (17); GMC Canyon (17-16), G Series Fullsize Van/Savana (17)	
3221	GMC & Chevy Topkick & Kodiak (09-07)	
3222	Chevy G Series Fullsize Van/Express (16-10); Medium Duty Van (11); GMC G Series Van/Savana (16-09)	

*For complete application information, visit the ecatalog at haydenauto.com.




Part Number	Buyer's Guide*	
3261	Ford E Series Van (10-04), Excursion (05-03), F Series Pickup (07-03), Ford Medium Duty F450 (07-03), F550 (07-03)	
3263	Ford Explorer/Sport/ Sport Trac (10-06); Mercury Mountaineer (10-06)	
3264	Ford Expedition (08-07), F Series Fullsize Pickup (08-07), Lobo (08-07); Lincoln Mark Light Truck (08-07), Navigator (08-07)	
3265	Ford F Series Pickup (10-08), Medium Duty F450 (10-08), F550 (10-08)	
3266	Ford Expedition (09), F Series Fullsize Pickup (10-09), Lobo (10-09); Lincoln Navigator (09)	
3267	Ford F Series Fullsize Pickup (16-11), F Series Medium Duty Pickup (16-11)	
3268	Ford F Series Fullsize Pickup (16-11), Lobo (14-11)	
3281	Dodge Pickup/Ram (04-03)	

COOLING PERFORMANCE

COOLING PERFORMANCE

Part Number	Buyer's Guide*	
3282	Dodge Pickup/Ram (09-04); Dodge Medium Duty Truck (10-05)	
3291	Dodge Pickup/Ram (13-10); Dodge Medium Duty Truck (13-11)	
3292	Dodge Pickup/Ram (17-13); Dodge Medium Duty Truck (16-13)	
3330	Infiniti QX56 (13-11), QX80 (17-14); Nissan Armada (17), Titan (17-16)	
3300	Land Rover LR3 (09-05), Range Rover (09-06), Range Rover Sport (09-06)	
3301	Land Rover Range Rover (09-06), Range Rover Sport (09-06)	

*For complete application information, visit the ecatalog at haydenauto.com.

Part Number	Buyer's Guide*	
3302	Land Rover Discovery (17), LR4 (16-14), Range Rover (17-10), Range Rover Sport (16-10)	
3303	Land Rover LR4 (13-10), Range Rover (13-10), Range Rover Sport (13-10)	
8302	Mercedes Sprinter (17-10)	

AFTERMARKET INDUSTRY LEADER OF QUALITY

ELECTRONIC FAN CLUTCHES

Hayden® Electronic Fan Clutches

- Designed, tested and built by application
- O.E. performance, fit and appearance
- Precision machined
- Install directly from the box; no modification needed
- Help to improve fuel efficiency, horsepower and extend the life of your engine

The Hayden® manufactured Ford EVC Fan Clutch, P/N 3261, impresses customers with its durability, longevity and quality design. [KEVIN ROBERTS OF ROBERTS REPAIR IN RHINELANDER, WISCONSIN](#), has specialized in emergency vehicle maintenance and repair for nearly 30 years. After repeat O.E. fan clutch failures on the E450 Ford emergency vehicle, Kevin found success switching to the Hayden® manufactured unit. Hear why Kevin chooses a trusted supplier and quality parts.



Kevin Roberts of Roberts Repair Rhinelander, WI
Emergency Vehicle Maintenance and Repair Specialist for nearly 30 years

"... After experiencing multiple O.E. fan clutch failures, Hayden® Automotive sent me a higher quality solution which provided significantly better longevity and performance.

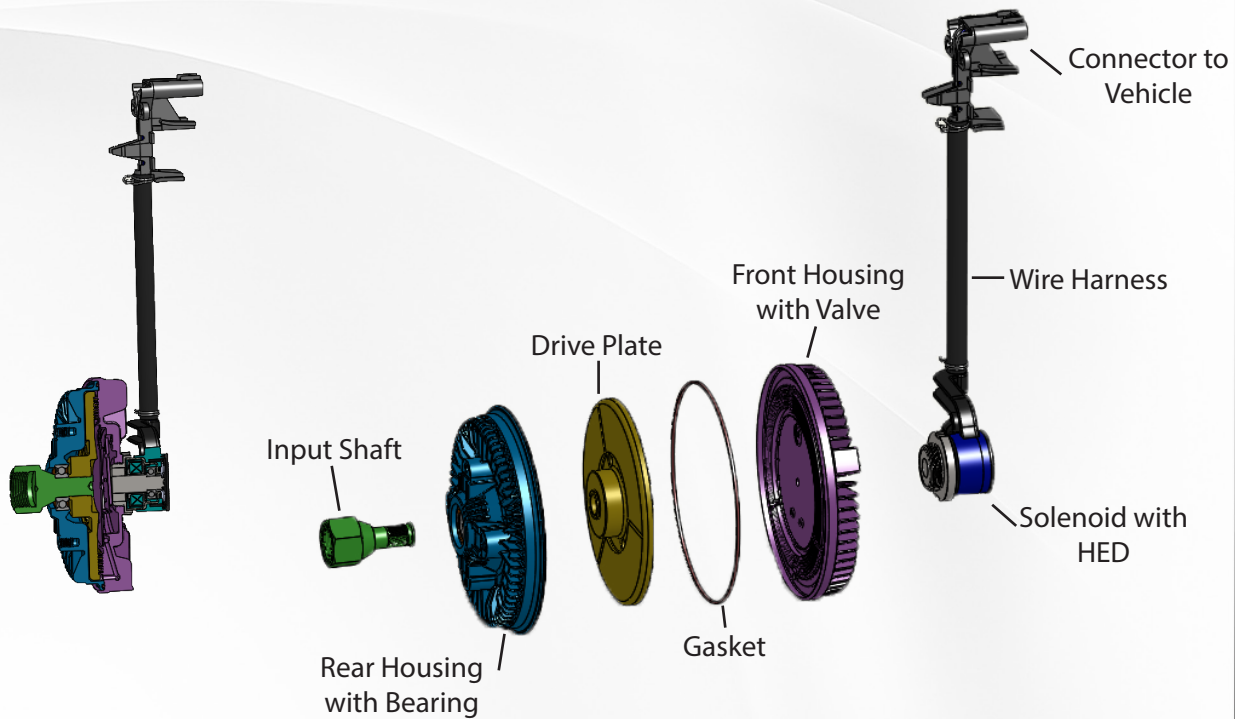
Not only do I recommend Hayden® Automotive, I essentially will not install anything else...If someone wants a cheaper part, they will have to find a cheaper shop."

[Scan here to watch the complete testimonial.](#)

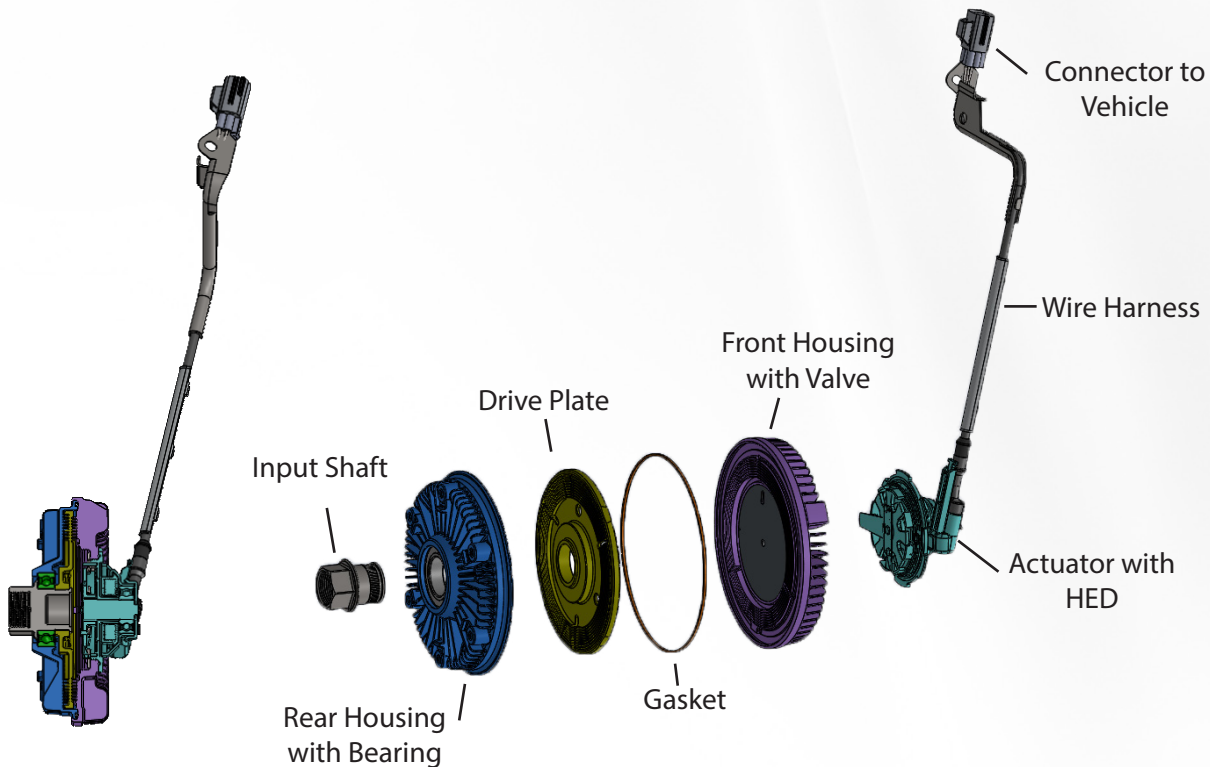


Anatomy of Electronic Fan Clutches

Linear Actuated Electronic Fan Clutch



Rotary Actuated Electronic Fan Clutch



FAN CLUTCH TROUBLESHOOTING GUIDE

Hayden's manufacturing team has over 60 years of experience in the engineering and development of fan clutches. This expertise has enabled us to maintain several manufacturing certifications and to create consistent quality in every fan clutch we build. Fan clutches operate at different speeds and temperatures and testing must be performed at every level of operation. Critical performance aspects of a fan clutch include engagement temperature, disengagement temperature, fan speed, disengagement RPM, engagement RPM and torque. Hayden takes the time to measure each of these critical performance indicators for every O.E. fan clutch we test. This level of commitment delivers a part that will match O.E. performance in every facet. Below are some key factors that affect fan clutch performance and vehicle cooling.

Before replacing, check all of the following:

- Bent, cracked or missing fan blades
- O.E. fan blades in use (Hayden® fan clutches are designed to be used with the O.E. fan blade)
- Oil streaks, black marks or excessive dirt collection on the fan clutch as a sign of leaks
- Play in the fan clutch (no more than 1/4" forward/back at fan blade tip)
- Ensure all air dams are in place
- Fins of the condenser, radiator, oil coolers or intercoolers are straight and free of debris
- No debris between condenser and radiator to obstruct air flow
- Cooling system has been serviced and maintained to manufacturer specifications
- Radiator has no blockages or hot spots
- Functioning thermostat
- Cooling system hoses are new or match O.E. specifications
- Water pump functioning and in good condition
- Electric fan clutch harness is routed away from fan blades and free of kinks, sharp bends or other wire damaging conditions
- PCM is updated to the latest firmware version
 - PCM monitors transmission temperature, A/C head pressure, A/C demand, coolant temperature, engine speed and engine load which all determine electric fan clutch engagement and disengagement

IMPORTANT

- Do NOT replace EV fan clutch unless a specific issue is identified by proper SI (Service Indicator/ Check Engine) diagnosis
- Do NOT replace an EV fan clutch for fan noise
- Do NOT replace an EV fan clutch unless a specific condition related to the EV fan clutch is identified using SI diagnostics. If the EV fan clutch has a condition that warrants replacement, a DTC (Diagnostic Trouble Code) should set and/or SI diagnostics should lead to the replacement of the fan clutch
- Do not attempt to replace EV fan clutch without proper tools. Please refer to manufacturer requirements for proper tools and replacement
- Always check motor and transmission mounts to prevent fan blade contact with wire harness. Subsequent damage is not covered via warranty

In the event an electronic fan clutch harness is cut or damaged by the fan blade, the common issues are improper routing of the harness and worn or defective engine/transmission mounts. These instances are NOT covered by the manufacturer warranty.