



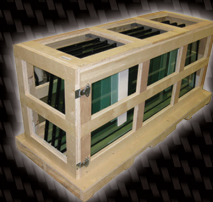
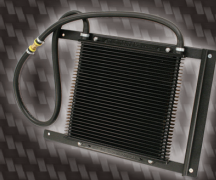
Innovative LLV Parts Catalog



- Consignment
- NOA Contract
#1DVPMS07B0071
- SOMS
Electronic Billing



1-800-752-1700
Order 24/7 at www.jasperis.com



LLV Winter Safety

LLV Tire Chains

Winter brings challenging opportunities of driving on snow-covered roads. Order your snow chains today to be ready for the demands of the facilities and carriers that you service.

- Features:
- Fastest, easiest installation of any traction product.
 - "Designed-in" rubber tightener (INCLUDED and replacements available separately) means there is no need to stop and retighten after installation.
 - Better all-around traction performance than conventional tire chains or cables.
 - Greater durability than conventional tire chains or cables.
 - Better compatibility with anti-lock brakes, traction control, all-wheel drive (AWD) and other electronically-monitored control systems.
 - Low potential for damage to vehicle body and mechanical components - even when abused.
 - Alloy steel traction coils give superior traction performance compared to conventional tire chains or cables.



Greater durability and weight savings of at least 20% compared to conventional "link" tire chains!

Part Number QG1840 Description LLV Tire Chains

LLV Safety Triangle Kit

The Postal Vehicle Safety Triangle is used to alert passing traffic of a disabled vehicle. The universally known orange distress triangle has reflectors for additional safety when it has become dusk or in the winter months when the days are shorter. The Safety Triangle is collapsible for easy storage and snaps together effortlessly. The base of the triangle is weighted and features two padded grips to hold position on the road. Conforms to the requirements of F.M.V.S.S. #125.



Part Number 88880032 Description LLV Safety Triangle Kit

LLV Snow Brush

Get a clear view of the road ahead with our high-quality, value priced snow brushes! 22" long for a comfortable reach.

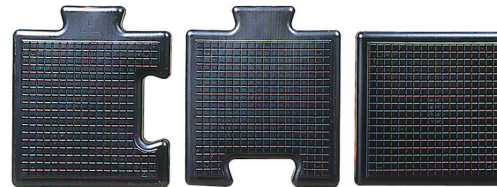


Part Number Snow-Brush Description 22" LLV Snow Brush

LLV Puzzle Weights

LLV weights are an innovative and practical solution for added traction on snow and ice. When you fit them together, they add substantial, well distributed weight to the back of your vehicle. Pieces are easily arranged and textured to resist sliding. As an added bonus, if you find yourself on an especially icy patch, pop a plug and pour the sand on the ice for added traction!

- Features:
- Hollow polyethylene casing already filled with sand
 - Weighs 18 lbs. when filled



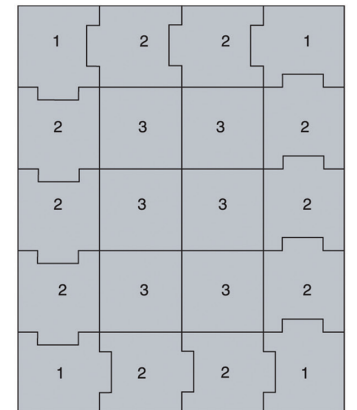
S1000171 S1000172 S1000173

Better Traction on mud or snow!
The convenient solution to add weight to your LLV.



Part Number 88880226 Description Weight Kit*
S1000171 Corner Piece
S1000172 Side Piece
S1000173 Inside Piece

*Kit includes left and right puzzle weight side brackets, 20 puzzle weights to make the grid shown above and bolts and nuts for bracket mounting.



LLV Layout



Right and left side brackets included in kit.



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Introduction

Jasper Innovative Solutions understands that a company's surest path to success still depends on the age-old art of listening. We listen to our customers, and in doing so, learn from them. To accomplish this goal, every Vehicle Maintenance Facility is assigned a trained account representative. This individual is responsible for answering any questions a storekeeper has concerning vehicle replacement parts. They're also the primary contact in placing orders and resolving any issues or concerns.

Your representative keeps in contact, monitoring our effectiveness in order filling efficiency, product quality and order turn around time.

Further understanding of your needs is achieved through periodic field visits to your facility. These visits are an excellent opportunity for both sales reps and storekeepers to sit down and discuss issues on a more personal level.

Contract Information

Jasper Innovative Solutions currently holds a National Ordering Agreement (NOA) with the United States Postal Service - USPS.

Our NOA number is: 1DVPMS07B0071

FILTER HOUSINGS



2.5L LLV Air Cleaner Canister (A & E Engines)

Pre-paid component - VMF responsible for shipping only.
Discontinued from General Motors.

Features

- OEM exact fit.
- Power-coated steel
- Comes with lid.

Part #	Description
88880250A	2.5L LLV Air Cleaner Canister - A Engine
88880250E	2.5L LLV Air Cleaner Canister - E Engine



2.2L LLV Air Canister

2.2L LLV Air Canister is constructed of powder-coated steel with the rod welded to the base, eliminating the need for the nutsert. Comes with canister with welded rod and a new powder-coated steel mounting plate (which will need to be used as a template to drill 4 new holes into the wheel well). The air intake horn is an optional part and can be ordered by entering in part #88880060.

Features:

- Made to General Motors OEM specifications.
- Constructed of powder-coated steel.
(Horn not included)

88880065



LLV Air Canister Horn (Plastic Horn Only)

Purchase the 2.2L Air Canister Horn to accompany the 88880065 LLV Air Canister. Horn is made to OEM specifications. Condensation and debris causes the bottom of the 2.2L LLV air canister to rust and deteriorate, allowing unfiltered air into the carburetor. As a result of the corrosion, the nutsert that secures the rod to the canister locks, making it extremely difficult to remove and replace without causing damage when repairs are needed. Since these canisters are no longer available, this is a valuable repair.

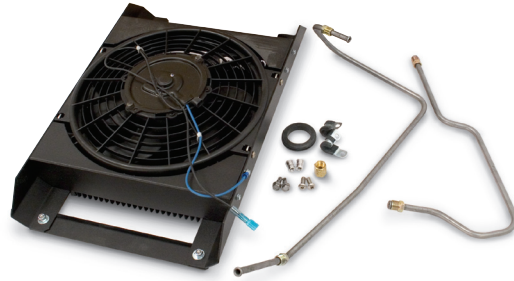
88880060

Part #	Description
88880065	2.2L LLV Air Canister
88880060	Air Canister Horn (Plastic Horn Only)

TRANSMISSION COMPONENTS

Transmission Fan & Cooler Kit with Steel Lines

Prolong the life of your LLV's transmission by installing a Transmission Fan and Cooler Kit. Fan provides extra reduction in transmission temperature by approximately 30%. Features: Heavy-duty, high-efficiency cooler is completely assembled; Includes 10" fan with wiring harness and thermostat; Wiring harness is color matched to assist in easy installation; Transmission fan turns on at 180 degrees and shuts off at 160 degrees; Compact design accommodates limited mounting space; Steel lines included.



Wiring harness included.

Part #	Description
88802401	Transmission Fan & Cooler Kit with Steel Lines

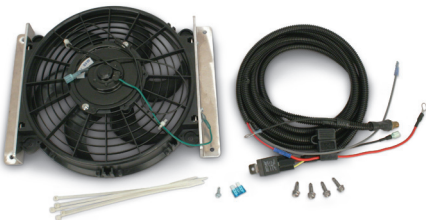


LLV Transmission Fan & Cooler Kit w/ Extended Lines for 700R Transmission

Prolong the life of your LLV's transmission by installing a Transmission Fan and Cooler Kit. Fan provides extra reduction in transmission temperature by approximately 30%. Features: Heavy-duty, high-efficiency cooler is completely assembled; Includes 10" fan with wiring harness and thermostat; Wiring harness is color matched to assist in easy installation; Transmission fan turns on at 180 degrees and shuts off at 160 degrees; Compact design accommodates limited mounting space; Extended steel lines for 700R transmission included.



Part #	Description
88802802	LLV Transmission Fan & Cooler Kit w/ Extended Lines for 700R Transmission
88802900	LLV Transmission Fan & Cooler Kit w/ Extended Lines for 180 Transmission



Transmission Fan Upgrade Kit (Fan & Wiring Harness Only)

Kit includes fan and wiring harness only to upgrade your existing cooler kits.

Part #	Description
88802500	Transmission Fan Upgrade Kit (Fan & Wiring Harness Only)

Part #	Description
88880048	Replacement Relay for LLV Fan Wiring Harness



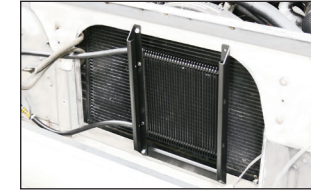
TRANSMISSION COMPONENTS CONTINUED

LLV Transmission Cooler Kit (with Rubber Lines)

Keep your transmissions running smoothly while delivering mail with an LLV Transmission Cooler Kit or Transmission Fan & Cooler Kit. The kit has proven its efficiency in the auto industry and is manufactured by the same company that has installed over 10 million kits in GM, Ford and Chrysler vehicles.

Features:

- Heavy-duty, high-efficiency cooler was originally designed for a 10,000 lb. towing capability.
- Comes pre-assembled with cooler mounting brackets and high-pressure rubber hoses.
- Easy installation with two self-tapping screws.
- Reduces transmission-operating temperatures by approximately 30%.
- Compact design accommodates limited mounting space.



Installs with only two self-tapping screws (included).

Approved by the United States Postal Service in Vehicle Maintenance Bulletin #V-04-99.

ADVANTAGE: Keep transmissions running in their specified range with the assistance of an LLV Transmission Cooler Kit!

Part #	Description
88802300	LLV Transmission Cooler Kit (with Rubber Lines)

LLV Transmission Cooler (with Steel Lines)

Keep LLV's running smoothly during the hot months of summer by installing an LLV Transmission Cooler Kit. Once installed, the cooler reduces the wear and tear on the transmission. A burned out transmission costs more than a cooler in terms of components and downtime - save on your investment with a Cooler Kit. Kit is compact and easy to install. Transmission Cooler comes with steel lines and installation hardware pack.

Features:

- 5/16" double flared steel lines - no need to worry about leaking hoses!
- Heavy-duty, high-efficiency cooler.
- Reduces transmission-operating temperatures by approximately 30%.
- Installs with stainless steel hardware.
- Kit ships completely assembled.



Part #	Description
88802700	LLV Transmission Cooler (with Steel Lines)
88802701	LLV Transmission Cooler (w/o Steel Lines)

TRANSMISSION COMPONENTS *CONTINUED*

LLV Transmission Cooler Kit w/ Extended Lines for 700R Transmission

Install a cooler kit with extended lines to accommodate the 700R transmission. Kit includes the extended lines or you can purchase the lines separately. Once installed, the cooler reduces the wear and tear on the transmission that is caused from overheating. Kit is compact and easy to install. Features; 5/16" double flared steel lines - no need to worry about leaking hoses; Heavy-duty, high-efficiency cooler; Reduces transmission operating temperatures by approximately 30%; Installs with stainless steel hardware; Kit ships completely assembled; Extended galvanized lines bypass radiator.



Part #	Description
88802808	LLV Transmission Cooler Kit w/ Extended Lines for 700R Transmission

LLV Transmission Cooler Kit w/ Extended Lines for 180 Transmission

Install a cooler kit with extended lines to accommodate the 180 transmission. Kit includes the extended lines or you can purchase the lines separately. Once installed, the cooler reduces the wear and tear on the transmission that is caused from overheating. Kit is compact and easy to install. Features: 5/16" double flared steel lines - no need to worry about leaking hoses; Heavy-duty, high-efficiency cooler; Reduces transmission operating temperatures by approximately 30%; Installs with stainless steel hardware; Kit ships completely assembled; Extended galvanized lines bypass radiator.

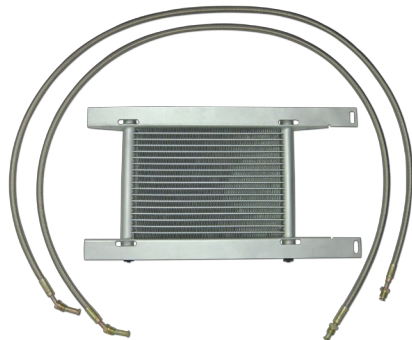


Part #	Description
88802902	LLV Transmission Cooler Kit w/ Extended Lines for 180 Transmission

Transmission Cooler Kits and Stainless Steel Braided Lines



4L60PCK



JIS180CK

Transmission Cooler Kits with Mounting Hardware for an easy installation.

Part #	Description
4L60PCK	4L60 Transmission Cooler Kit with Braided Stainless Steel Lines
JIS180CK	TH180 Transmission Cooler Kit with Braided Stainless Steel Lines
2807-6-63P	4L60 Trans Cooler Line, Braided Stainless Steel with Fittings, 63"
2807-6-55P	4L60 Trans Cooler Line, Braided Stainless Steel with Fittings, 55"
JIS180CLS	TH180 Braided Stainless Steel Lines

TRANSMISSION COMPONENTS *CONTINUED*

Cooler Lines

Part #	Description
14700	700R Trans Cooler Lines, Set of Two Lines
1324714	180 Trans Cooler Lines, Set of Two Lines
12541500	Trans Cooler Line, 2.2L LLV
2807-6-63P	4L60 Trans Cooler Line, Braided Stainless Steel with Fittings, 63"
2807-6-55P	4L60 Trans Cooler Line, Braided Stainless Steel with Fittings, 55"

Part #	Description
55500447	Stainless Steel Line, 16"
55500448	Stainless Steel Line, 13"

LLV Steel Transmission Lines Only

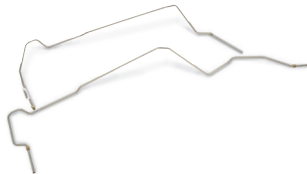
Order replacement steel lines for the 88802700 and forget worrying about leaking hoses! Features: (2) 5/16" double flared steel lines.



Part #	Description
88802801	LLV Steel Transmission Lines Only

LLV Extended Lines for 180 Transmission

Purchase the extended lines to accommodate the cooler kit for the 180 transmission. Steel lines are 5/16" double flared and galvanized. Features: 5/16" double flared steel lines - no need to worry about leaking hoses; Extended galvanized lines bypass radiator.



Part #	Description
88802901	LLV Extended Lines for 180 Transmission

LLV Extended Lines for 700R Transmission

Purchase the extended lines to accommodate the cooler kit for the 700R transmission. Steel lines are 5/16" double flared and galvanized. Features: 5/16" double flared steel lines; No need to worry about leaking hoses; Extended galvanized lines bypass radiator.



Part #	Description
88802807	LLV Extended Lines for 700R Transmission

TRANSMISSION COMPONENTS *CONTINUED*

LLV (180 & 700R) Transmission Brackets, Cables, Pivots and Linkages



JIS03000C



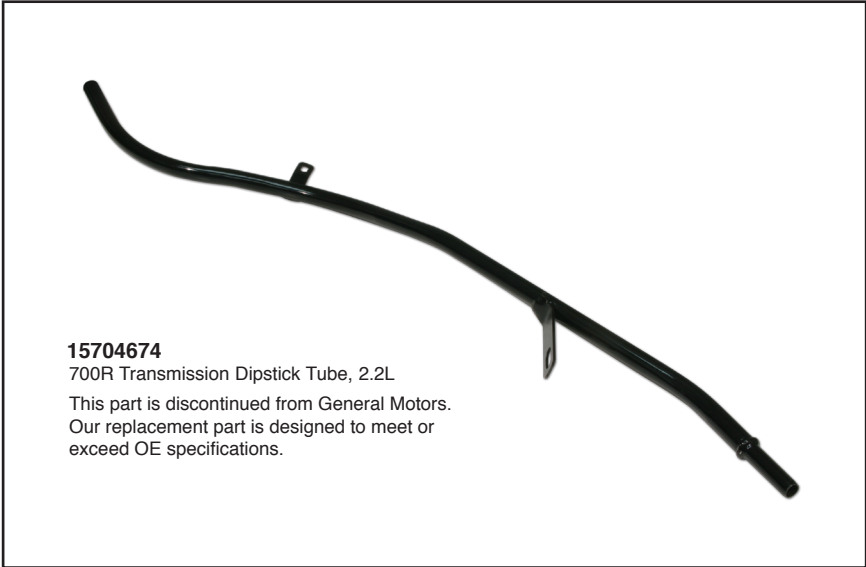
ITD10824



ITD10816



ITD10827



15704674
700R Transmission Dipstick Tube, 2.2L
This part is discontinued from General Motors.
Our replacement part is designed to meet or
exceed OE specifications.

Part #	Description
JIS44	New Cable Kit, Frame Mount, 700R
JIS44SL	Link, Frame Mount, 700R
15704674	700R Transmission Dipstick Tube, 2.2L
ITD10804A	LH Lever, Painted, 700R with 2.2L
ITD10804B	Link, Internal, 700R
ITD10805A	Spacer, Complete Assembly, 700R
ITD10808	Internal Linkage Pivot Arm, 700R
ITD10810	Shift Shaft Pivot Assembly, 700R with 2.5L
ITD10811A	Shift Cable Bracket, Right, 700R with 2.5L
ITD10812A	Shift Cable Bracket, Left, 700R with 2.5L
ITD10814	Shift Lever, Right, 700R with 2.5L
ITD10815	Shift Cable Rod Ends, 700R with 2.5L
ITD10816	External Shift Linkage, 700R with 2.5L
ITD10817	Offset Bracket, Conv., 700R with 2.5L
ITD10818	Internal Bracket, Frame Pivot Mount, 700R to Converter
ITD10819	Arm Down Rod Extension, 700R
ITD10822	Transmission Bracket Lever (Bracket Converts 180 to 700R with 2.2L)
ITD10823	Shift Bracket (Bolts to Pan - Bracket Converts 180 to 700R with 2.2L)
ITD10824	Internal Shift Linkage, 700R
ITD10824KIT	Linkage, Shift Kit, 700R
ITD10827	Exhaust Bracket, 700R
JIS03000C	Shift Linkage Column Mount, 700R

ELECTRICAL PRODUCTS

LLV Standard Screened Fuse Block, with or without Terminals

The OEM fuse block for the LLV comes with standard screening that allows trouble-free recognition of the locations of fuses. The clear, detailed screen makes the standard accessories in the LLV visible with the corresponding fuse. The **88880010** comes with the face screened on the fuse block. Features: OEM replica; Detailed screen allows mechanics to identify fuses; Hardware and terminals sold separately.



88880022
Standard Screened Fuse Block
w/ Terminals and Stem Nuts



The **88880022** comes with the screened face but also includes (18) single, (4) double, (1) 4-wide, (4) Single Spade buss bar terminals and (2) Stem Nuts.

- Features:
- OEM replica.
 - Detailed screen allows mechanics to identify fuses.
 - All hardware and terminals included.

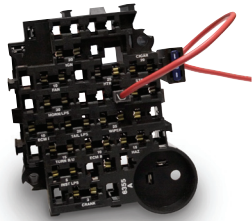
Part #	Description
88880010	LLV Standard Screened Fuse Block, w/o Terminals
88880022	LLV Standard Screened Fuse Block, w/ Terminals

LLV Fused Accessory Current Kit

Kit contains components to provide an independent and individually fused source of power to LLV accessories. The grey plug can only insert into one specific location in the fuse block. Power is drawn through the clip and plug using a 14 gauge wire. A fuse holder connects to the fuse block and a 15 amp fuse is provided. A snap-in terminal is provided with the kit to be attached to the hot lead of the accessory requiring power. The terminal snaps into the fuse holder, providing fused power to the LLV accessory. Excellent kit to address Daytime Running Light wiring issues.



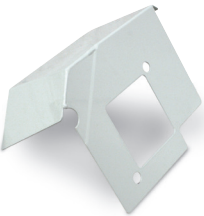
88880042
LLV Fused Accessory Current Kit



Screened Fuse Block
not included

- Features:
- Provides fused power to LLV accessories.
 - 15 amp fuse lead.
 - Contains special fuse block clip, terminal, 14 gauge wire and fuse holder.
 - Helps prevent overloading of circuits and melting of fuse blocks.
 - Each VMF will be entitled to one free sample for testing. Order sample by calling 1-800-553-9931. This is a no charge sample.

Part #	Description
88880042	LLV Fused Accessory Current Kit



















LLV Fuse Box Cover

It is common on the LLV for windshields to leak and allow water to drip on the fuse block. Installing this cover will deflect some of that water and help prevent shorting wires and fuses. Features: Constructed of all aluminum and powder-coated postal white; Installation is easy with pre-drilled holes and existing hardware; Cover attaches behind the fuse box.

Part #	Description
88820008	LLV Fuse Box Cover

Part #	Description
55500456	Stem Nut for Fuse Block (100 pcs.)

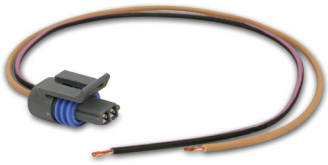
ELECTRICAL PRODUCTS CONTINUED

	Part #	Description
	88880376	LLV Terminal, Tin Plated 16-14 Gauge 5/16" Blade Size (25 pcs.)
	88880377	LLV Terminal, Tin Plated Two 16-14 Gauge Leads (25 pcs.)
	88880378	LLV Terminal, Tin Plated 22-20 Gauge (10 pcs.)
	88880379	LLV Terminal, Tin Plated 20-18 Gauge (10 pcs.)
	88880368	LLV Terminal 20-18 Gauge (25 pcs.)
	88880369	LLV Terminal, Tin Plated 16-14 Gauge (25 pcs.)
	88880370	LLV Terminal 16-14 Gauge (50 pcs.)
	88880372	LLV Terminal, Tin Plated 16-14 Gauge 1/4" Blade Width (50 pcs.)
	88880373	LLV Terminal, Tin Plated 16-14 Gauge (50 pcs.)
	88880374	LLV Terminal, Tin Plated 16-14 Gauge (25 pcs.)
	88880375	LLV Terminal, Brass, 16-14 (25 pcs.)
	55500422	Single Buss Bar Terminal, 10-12 (100 pcs.)
	55500423	Double-wide Buss Bar Terminal, 10-12 (100 pcs.)
	AFT114G	4-wide Buss Bar Terminal, 10-12 (100 pcs.)
	55500431	Heat Seal Butt w/ Solder Connector 10-12 Gauge (100 pcs.) According to Vehicle Operations, VMFs must utilize a solder connection or a self-soldering connector to repair an electrical harness. A heat seal, self-soldering butt connector is an acceptable item for this.
	55500432	Heat Seal Butt w/ Solder Connector 14-16 Gauge (100 pcs.) According to Vehicle Operations, VMFs must utilize a solder connection or a self-soldering connector to repair an electrical harness. A heat seal, self-soldering butt connector is an acceptable item for this.

ELECTRICAL PRODUCTS CONTINUED

LLV Manifold Air Temperature Sensor Connector

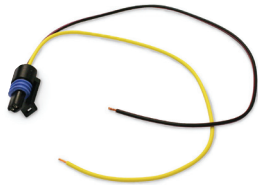
A two-wired Manifold Air Temperature Sensor Connector for the LLV. Color identification is one brown and one black with purple. Included with a watertight three-ribbed seal, which is manufactured to eliminate moisture and ensure good conductivity. Wire harness connector meets or exceeds OEM specifications including wire gauge match and improved weather connections.



Part #	Description
88880077	LLV Manifold Air Temperature Sensor Connector

Coolant Temperature Sensor Repair Harness

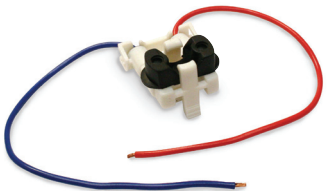
A Coolant Temperature Sensor Repair Harness for the LLV. Color identification is one yellow wire and one black wire. Features a watertight three-ribbed seal manufactured to eliminate moisture and ensure good conductivity. Wire harness connector meets or exceeds OEM specifications including wire gauge match and improved weather connections.



Part #	Description
88880078	Coolant Temperature Sensor Connector

Throttle Body Injector Connector

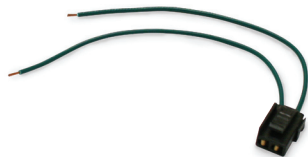
A two-wired Throttle Body Injector Connector for the LLV. Color identification is one red and one blue. White harness clip with black rubber plugs. Manufactured to eliminate moisture and ensure good conductivity. Wire harness connector meets or exceeds OEM specifications including wire gauge match and improved weather connections.



Part #	Description
88880080	Throttle Body Injector Connector

Coolant Temperature Sensor Connector

A two-wired Coolant Temperature Sensor Connector for the LLV. Color identification for both wires is green attached to a black clip. No spade weather seals present. Snaps and locks into place to eliminate moisture and to ensure good conductivity. Wire harness connector meets or exceeds OEM specifications including wire gauge match and improved weather connections.



Part #	Description
88880081	Coolant Temperature Sensor Connector

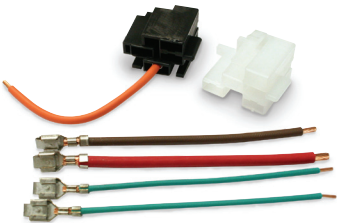
Fuel Injection Idle Air Control Connector

A four-wired Fuel Injection Idle Air Control Connector for the LLV. All four wires are black with an 11" pigtail to make wiring easier. Included with a watertight seal, wide and slim ribs and a locking clip to eliminate moisture and ensure good conductivity. Wire harness connector meets or exceeds OEM specifications including wire gauge match and improved weather connections.



Part #	Description
88880082	Fuel Injection Idle Air Control Connector

ELECTRICAL PRODUCTS CONTINUED



Ignition Switch Repair Kit Connector

Complete Ignition Switch Repair Kit Connector for the LLV; Contains four individual terminated wires: Two green, one brown and one red. All four wires have a locking spade terminal. Black connector is pre-wired with orange wired terminal. White terminal block is used to guide where each terminal should go. Manufactured to eliminate moisture and ensure good conductivity. Wire harness connector meets or exceeds OEM specifications including wire gauge match and improved weather connections.

Part #	Description
88880079	Ignition Switch Repair Kit Connector



Ignition Throttle Body Injection Connectors (Two per Kit)

Two Ignition Throttle Body Injection Connectors made for the LLV. The two connectors are identical. Features two black wires, a brown watertight seal and two lock clips located on the right and left sides. Manufactured to eliminate moisture and to ensure good conductivity. Wire harness connector meets or exceeds OEM specifications including wire gauge match and improved weather connections.

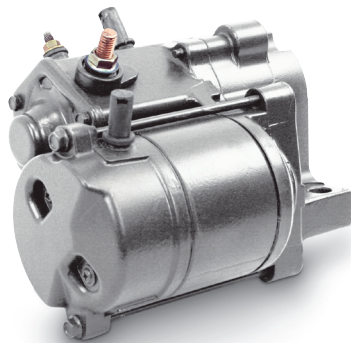
Part #	Description
88880083	Ignition Throttle Body Injection Connector (Two per Kit)



LLV 2.5L Ignition Coil & Bracket

- Easy to install...
- Features:
- Requires no drilling of rivets to reuse old bracket!
 - Excellent for road calls.
 - Coil and bracket replacement takes only minutes.
 - Discontinued bracket available again.
 - Bracket is zinc-coated for a long life.
 - Quality coil for your assurance of performance.

Part #	Description
1115315KIT	LLV 2.5L Ignition Coil & Bracket



2.5L LLV Starter, Remanufactured

Units are rebuilt by skilled craftsmen to exceed OEM specifications. New brushes, new copper solenoid contacts, new copper-plated battery terminals and new plated hardware used in electrical connections. All bearings are replaced on motor armature. All drive clutches are rebuilt. Only OEM castings and pinions are used to maintain proper flywheel spacing to prevent flywheel gouging. Weather resistant grease is used in assembly.

Part #	Description
88880400	2.5L LLV Starter, Remanufactured
88880401	2.2L LLV Starter, Remanufactured

ELECTRICAL PRODUCTS CONTINUED

Distributor-less Ignition System (for 2.5L E & 2.5L A engines)

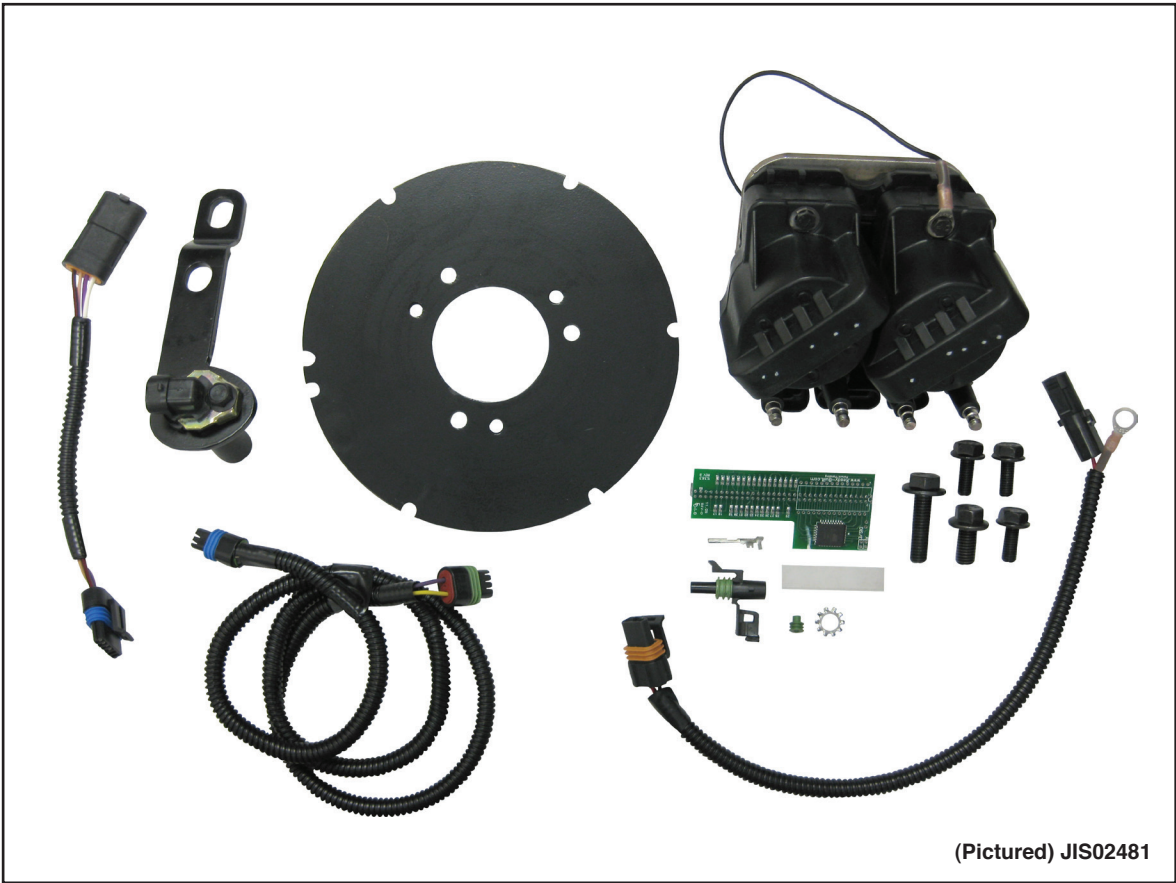
Approved for sale by the Air Resource Board of California

JIS has received an exemption from Vehicle Code Section (VC) 27156 and is approved for sale in California by the Air Resource Board. Our kits were determined not to cause an increase in vehicular emissions and an executive order has been signed and is available upon request. An approval sticker is available upon request if your product did not come with it.

Please make sure that these are clearly visible.

This kit includes everything you need for the installation and offers the following benefits...

- Consistent performance
- Improved operating efficiency
- Eliminates costly tune-up
- Less cranking time reduces starter wear
- Easy installation
- Reliable components reduce your downtime
- Exceptional value
- 36 Month Warranty



Part #	Description
JIS02480	LLV Distributorless Ignition System 2.5L E
JIS02481	LLV Distributorless Ignition System 2.5L A (Includes New MemCal)

BRAKE COMPONENTS



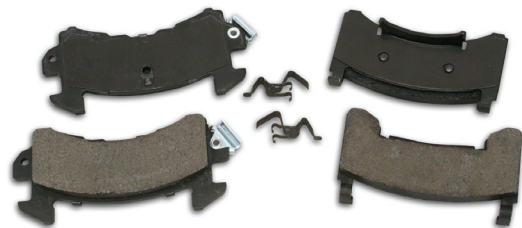
LLV Cryogenic Brake Rotor

Cryogenic brakes have been proven to last up to four times longer than OEM brake components. JIS offers cryogenically treated brake rotors. The longer life of these brakes significantly reduces vehicle downtime and replacement costs.

Features:

- Tested by USPS Engineering in independent labs for wear, performance and noise.
- Cryogenic brakes have been proven to last up to four times longer than OEM brake components.
- Longer brake life means a significant reduction in vehicle downtime and replacement costs.
- The rotors and pads conform to, or exceed, the material specifications of SAE J431 and SAE G3000.

Part #	Description
55500785	LLV Cryogenic Brake Rotor



LLV Brake Pads

Cryogenic brakes have been proven to last up to four times longer than OEM brake components. JIS offers cryogenically treated brake pads. The longer life of these brakes significantly reduces vehicle downtime and replacement costs.

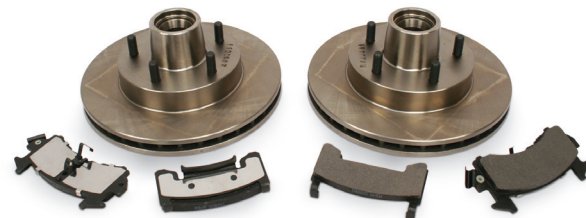
Part #	Description
55500786	LLV Brake Pads



LLV Universal Brake Backing Plate

OEM replica of the brake backing plate that was discontinued by GM. Manufactured with dust cover and wear pads in place. Four-bolt pattern. Fits both left and right side. Features: For both right and left side; OEM replica; No longer available through GM.

Part #	Description
88880036	LLV Universal Brake Backing Plate

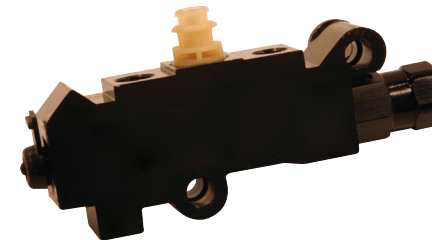


LLV Cryogenic Brake Package (Two Rotors / One Set of Pads)

Cryogenic Brakes have been proven to last up to four times longer than OEM brake components. JIS offers cryogenically treated rotors with pads. The longer life of these brakes significantly reduces vehicle downtime and replacement costs.

Part #	Description
88880275	LLV Cryogenic Brake Package (Two Rotors / One Set of Pads)

BRAKE COMPONENTS CONTINUED



88880209



88880209V

2.5L LLV Proportioning Valve

All the features and components of this valve have been engineered to match the OEM valve. Every valve has been batch tested and sequenced for traceability. This valve has been approved by Vehicle Operations and is currently available for purchase from JIS under part #88880209. The OEM diaphragm has been duplicated for proper metering in the JIS valve (this is not an O-ring component). Switch fully functions as required and properly grounds when there is a system failure. Metering is consistent from valve to valve and matches the OEM version. Delay is active and functioning for proper rear to front brake activation. Knee point is consistent on all JIS valves tested and match the OEM valve. Port seats are machined with the correct surface area for proper contact and compression between the valve and brake line fittings. Inlet ports are machined with standard threads. Every valve is tested and individually engraved for traceability. One hundred percent of outgoing finished combination valves will be leak tested as well as tested for proper circuit failure switch function using purpose built, JIS owned, automated test equipment.

Approved by Vehicle Operations!

No O-ring design, as in other aftermarket valves that are prone to leakage.

Each valve is bench-pressure tested for leakage and switch function!

Designed specifically for the 2.5L LLV.

Quality Specifications:

- Meets the original GM specifications for metering, proportioning delay and knee point. This data was recreated for accuracy at Greening, an outside test lab.
- Utilizes the same diaphragm-type plunger as the original GM valve.
- Each valve is bench pressure-tested on specifically designed test equipment, prior to leaving the factory, to ensure that they all operate consistently.
- Consistent valve ports, increased surface area and elevation.
- Each valve is individually identified and engraved with date code for tracking purposes and to differentiate ours from others on the market.
- Thread sizes are standard and information is provided to the mechanic advising him or her to avoid cross threading and over tightening, which will cause switch failure.
- Now with a heavy-duty 2000 PSI delay diaphragm

Part #	Description
88880209	2.5L LLV Proportioning Valve
88880209V	Replacement Valve and Diaphragm Washer

Brake Lines (Stainless-Steel)

JIS stainless steel brake lines that eliminate rust and corrosion issues provide drivers with an added level of security.

Part #	Description
15349	Brake Line, Left Side Rear
15350	Brake Line, Rear Axle Right Side
14027994MOD	Brake Line, Front Frame Crossover Right Side
14027993MOD	Brake Line, Front Frame Crossover Left Side
15628148PF	Brake Line, Front to Rear
15568033SS	Brake Line, Brake Combo Valve to Frame Front 2.5L
15568034SS	Brake Line, Brake Master Cylinder 2.5L
15684345SS	Brake Line, Brake Combo Valve to Frame Front 2.2L
15684346SS	Brake Line, Brake Master Cylinder 2.2L

FUEL & EMISSIONS

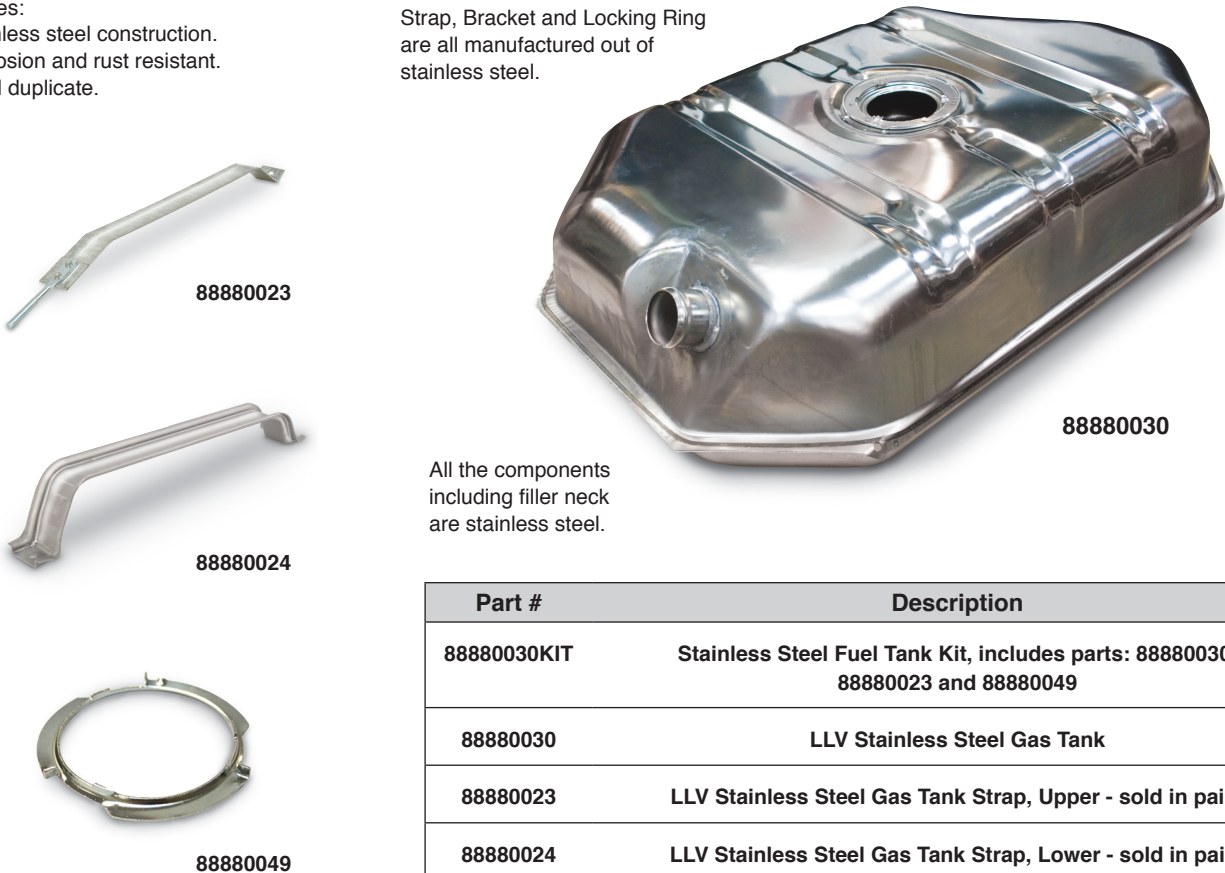
Stainless Steel LLV Gas Tank, Straps, Brackets & Locking Ring

Although the LLV gas tank utilizes a tar coating for protection, the life of the tank is cut short when the undercoating chips away. Salt and moisture come in contact with the gas tank and consequently chemical deterioration begins.

Our stainless steel gas tank and accessories were designed and manufactured to eliminate subsequent replacements due to failures from leaks and corrosion. This tank is constructed entirely out of stainless steel, including the sending unit mount, seams, filter neck, upper straps, lower brackets and locking rings. The stainless steel tank is manufactured in every function, form and fit as the OEM tank and installs in the same manner as the existing tank.

- Features:
- Stainless steel construction.
 - Corrosion and rust resistant.
 - OEM duplicate.

Strap, Bracket and Locking Ring are all manufactured out of stainless steel.



All the components including filler neck are stainless steel.

Part #	Description
88880030KIT	Stainless Steel Fuel Tank Kit, includes parts: 88880030, 88880023 and 88880049
88880030	LLV Stainless Steel Gas Tank
88880023	LLV Stainless Steel Gas Tank Strap, Upper - sold in pairs
88880024	LLV Stainless Steel Gas Tank Strap, Lower - sold in pairs
88880049	LLV Stainless Steel Gas Tank Locking Ring

2.2L LLV Fuel Emission Line, Stainless Steel

The 2.2L Fuel Emission Line is pre-formed to replicate the OEM lines. Stainless steel construction eliminates corrosion and rusting, allowing lines to last the life of the vehicle. The flared end of the emission line makes connecting easier and also reduces the chance of accidental removal. Lines are sold individually without fuel lines. Features: OEM replica; Manufactured out of stainless steel; Flared ends; Easy installation; Lifetime Warranty.

Part #	Description
88880200	2.2L LLV Fuel Emission Line, Stainless Steel
88880649	2.2L LLV Front Emission Tube, Stainless Steel

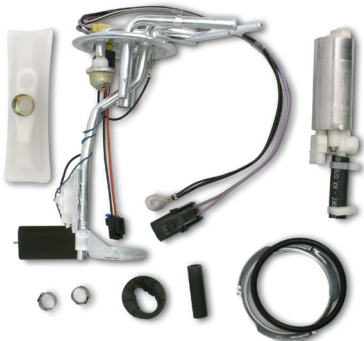


FUEL & EMISSIONS CONTINUED

LLV Sending Unit w/ Electric Fuel Pump Kit (for 2.5L & 2.2L Engines)

Now you can order one part number and get all your fuel tank components for the LLV 2.5L or 2.2L. Kits consist of the following: Sending Unit; Electric Fuel Pump; Strainer Screen; Locking Ring and Seal (Galvanized); Installation Hardware; Sending Unit and Pump Assembly feature a longer lasting PTFE clip sub-harness; Components are nickel steel plated instead of zinc for better longevity and corrosion resistance. This unit works great in conjunction with JIS's Stainless Steel Gas Tank, Upper Strap, and Lower Bracket.

Part #	Description
88880230	2.5L LLV Sending Unit w/ Electric Fuel Pump Kit
88880253	2.2L LLV Fuel Sending Unit & Pump Assembly Kit



(Pictured) 88880230

Fuel Filter Relocation Bracket

This bracket is a replica of the discontinued OE bracket which was originally installed on LLVs. The bracket that superseded the original, mounts the filter at the center of the engine over the exhaust manifold. Opening a pressurized fuel rail over a hot exhaust manifold can cause big problems! JIS's Fuel Filter Relocation Bracket eliminates this problem.

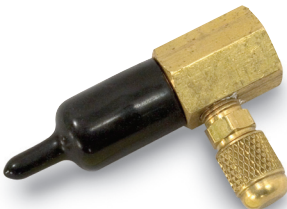
Part #	Description
10054848	Fuel Filter Relocation Bracket



Fuel Pressure Test Adapter

Diagnostic tool designed specifically for the LLV that allows mechanics to test fuel pressure without disconnecting the fuel line. Adapter is permanently mounted in the fuel line next to the fuel filter. In addition, a fuel pressure gauge may be attached directly to the valve on the adapter for troubleshooting and testing. Features: Installation takes only minutes when performed at scheduled maintenance intervals; Brass components and valve; Designed for the 2.5L engine.

Part #	Description
88840000	Fuel Pressure Test Adapter



Fuel Lines

JIS fuel lines are designed to replicate the OEM lines. Stainless steel construction eliminates corrosion and rusting, allowing lines to last the life of the vehicle.

Part #	Description
3750950LP	Line, Fuel Set, Long 1987-93
3750950SP	Line, Fuel Set, Short 1987-93
3750956	Line, Fuel Set, Front Set 1994
3750957	Line, Fuel Set, Rear Set 1994
3750955	Line, Fuel Set, Full Set 1994

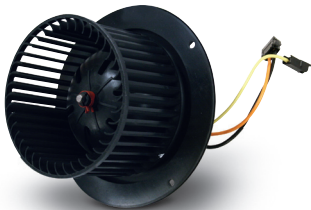
*Includes front and rear 1/4" vapor lines, 5/16" return line, 3/8" feed line, intermediate feed line and all hoses.

HEATING & AC PRODUCTS

LLV Direct Fit Heater Core

The JIS Direct Fit Heater Core upgrade fits directly into the existing OE heater core housing with NO modifications needed. Other kits require cutting and installing new gaskets. This upgrade allows for easy installation, NO modifications and all the benefits of having an enlarged heater core that will keep the driver warm throughout winter. *The 1987 LLV was manufactured with an undersized heater core housing. This is available as part# 55500325.

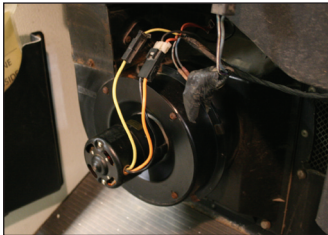
Part #	Description
81600781	LLV Heater Core



88802100



Gasket



Plug

LLV Heater Blower Motor - No Resistor

Increase heating and defrosting capabilities by installing a JIS LLV Heater Blower Motor. The blower features high CFM without using resistors and provides a trouble-free and quiet operation. In addition, a neoprene gasket reduces vibration and prevents air leakage.

Features:

- Runs on a two-speed series wound field motor.
- Increases CFM output by 39%.
- No splicing required with the direct interchange.
- Large diameter blower wheel.
- Permanently sealed, oil lubricated, self-aligning, metal-powdered sleeve bearings.
- Includes gasket and adapter plug.

Approved by the United States Postal Service in
Vehicle Maintenance Bulletin #V-06-99!

True two-speed motor eliminates resistor!
(Unit meets USPS specifications for no resistors)

Part #	Description
88802100	LLV Heater Blower Assembly

LLV Heater/Defroster Upgrade Kits

Heater/Defroster Kits provide more heat than available through the OEM Heater Core. New kit helps keep carriers warm even with the constant opening and closing of the vehicle's windows and doors. New heater core case assembly with larger high capacity heater core also eliminates the potentially leaking blend odor. Plus, the floor air upgrade kit improves air distribution to driver's foot area.

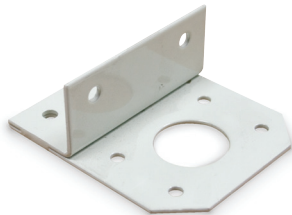
Features:

- Provides substantial BTUs in areas where the OEM heater can't keep up.
- High-performance blower motor and wheel assembly for increased airflow.
- Provisional Patent applied for.



Part #	Description
88802225	2.2L LLV Heater/Defroster Upgrade Kit
88802226	2.5L LLV Heater/Defroster Upgrade Kit

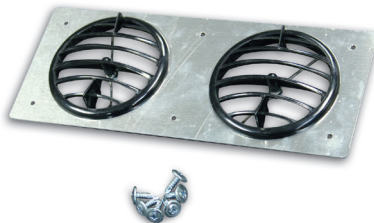
HEATING & AC PRODUCTS CONTINUED



LLV Dash Fan Bracket

Bracket is used to install the 88803200 LLV Two-Speed Dash Fan and is constructed of powder-coated steel.

Part #	Description
88820020	LLV Dash Fan Bracket



LLV Vent System Louver Upgrade Assembly

Assembly replaces louvers that have been damaged due to the protruding style of the cone louvers. Upgrade comes with adapter plate, two flat louvers and mounting hardware.

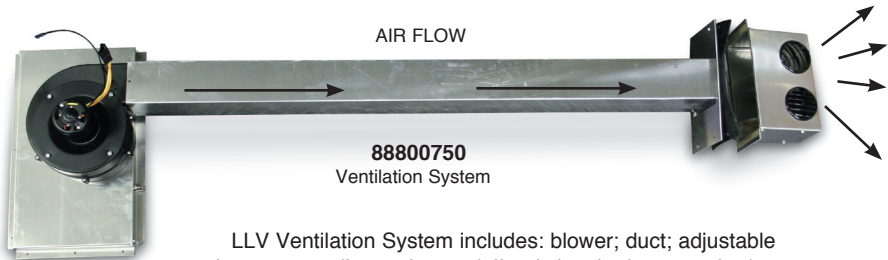
Part #	Description
88880751	LLV Vent System Louver Upgrade Assembly

LLV Ventilation System (Complete Kit)

System helps increase the airflow to driver's cab. Blower is installed over the existing vents found in the cargo area of the vehicle - no need to cut into the wall of the vehicle. A duct channels the air where it exits through two adjustable louvers. An on/off switch is installed on the dashboard for the driver's convenience. Ventilation system connects to the vehicle's power source on LLVs.

Features:

- Mounting hardware does not penetrate the outer wall of the LLV.
- Constructed of heavy-duty aluminum.
- System is strong, durable and corrosion resistant.
- Approved high capacity blower system is the most efficient motor available (model 88802201).
- System is easy to install in approximately 30 minutes.
- U.S. Patent #6,142,865.
- USPS approved per Vehicle Maintenance Bulletin #V-01-00.



AIR FLOW

88800750

Ventilation System

LLV Ventilation System includes: blower; duct; adjustable louvers; vent/fan option; on/off switch; wire harness; fan/vent decal and hardware.

Ventilation System draws cooler outside air through the rear vent of the cargo area and channels it to mounted louvers in the driver's cab. LLV Ventilation System will keep workers cooler without taking up valuable space in the LLV.



Air is dispensed and directed through mounted louvers.









Mounted intake fan forces outside air to the front of the vehicle.



Hardware kit is included.

Part #	Description
88800750	LLV Ventilation System (Complete Kit)

HEATING / AC PRODUCTS CONTINUED

Part #	Description
 88800759	LLV Vent System Diode This is a replacement Vent System Diode for the Ventilation System (88800750).
 88800800	LLV Vent / Fan Switch (Wiring Harness) This Vent/Fan Switch (Wiring Harness) is installed into the vehicle's dashboard for the driver's convenience.
 55500325	LLV Heater Core Housing (Plastic Housing Only)
 88802211	LLV Vent System Intake Assembly
 55500120	LLV Duct (Replacement)
 77700143	Hardware Kit for Wiring Harness (88800800)

CHASSIS PRODUCTS

LLV Front Coil Spring

The LLV Front Coil Springs were designed specifically for the LLV. They are not universal, this part is for the Front Left. The LLV Front Coil Spring is an OEM duplicate. It will fit on the OEM frame and install in the same manner. Made with high-quality material to give the spring longevity.



Part #	Description
88880207	LLV Front Coil Spring - Left
88880208	LLV Front Coil Spring - Right

LLV Rear Stabilizer Arm Bushing

Replacement of the entire Rear Stabilizer Arm due to the bushings' failing is no longer necessary. JIS now offers a replacement bushing package. The package includes two new Stabilizer Arm Bushings, as well as two Spacers. The Spacers allow for exact alignment of the bushings at the time of installation. Using a "C" clamp press, you can easily remove the old bushings and install the new bushings and keep from having to discard the complete Rear Stabilizer Arm.

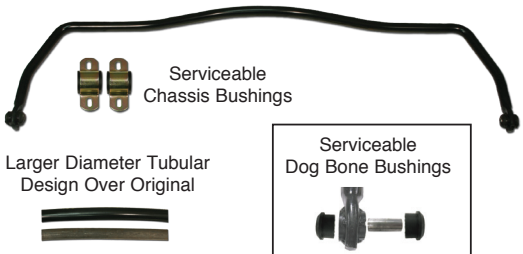


Part #	Description
88880367	LLV Rear Stabilizer Arm Bushing

CHASSIS PRODUCTS CONTINUED

High-Quality Heavy-Duty JIS Suspension Products

LLV Rear Stabilizer Shaft



Jasper Innovative Solutions has brought back the LLV Rear Stabilizer Shaft previously discontinued by GM. The JIS version uses a larger diameter tubular design over the original and, as an added benefit, features serviceable bushings. Both the chassis and dog bone bushings can be replaced! All serviceable items are available individually through JIS as well as in a service kit containing all the parts necessary to complete the installation.

LLV HD Front Shock

LLV HD Rear Shock

LLV HD Idler Arm

LLV HD Upper Ball Joint

LLV HD Lower Ball Joint

LLV HD Chassis Adjusting Sleeve

Part #	Description
15568042	LLV Rear Stabilizer Shaft
LLVSR	LLVSR Service Kit
46W	Midsection Bracket - Steel (2 pcs.)
613W	Midsection Bushing (2 pcs.)
625-5MB	Dog Bone End Bushing (4 pcs.)
725S	End Spacer Rod (2 pcs.)
22064063HD	LLV HD (Monroe) Front Shock
22064063P	LLV Premium (KYB) Front Shock
88945325HD	LLV HD (Monroe) Rear Shock
88945325P	LLV Premium (KYB) Rear Shock
26041013PS	LLV HD (MOOG) Idler Arm
88911387M	LLV HD (MOOG) Upper Ball Joint
19122185	LLV HD (MOOG) Lower Ball Joint
26041272M	LLV HD (MOOG) Chassis Adjusting Sleeve

CHASSIS PRODUCTS CONTINUED

LLV Frame Saver

Extend the life of your Fleet with LLV Frame Saver Kits. These bolt on kits come with all necessary hardware and require no welding or fabrication. You can purchase individual kits or the entire replacement kit to keep your trucks on the road.



Part #	Description
JIS03054	Frame Saver Kit - Includes: JIS3754A, JIS3554A, JIS3654A and JIS3354A
JIS03055	Front Mount Installation Kit
JIS03056R	Kit, Rear Spring Mount RS
JIS03056L	Kit, Rear Spring Mount LS
JIS03057	Shock Support, Rear Kit
JIS3354A	Rear Mount Assembly RS
JIS3554A	Rear Mount Assembly LS
JIS3654A	Center Mount Assembly RS
JIS3754A	Center Mount Assembly LS

1987-94 LLV Rear Differential Assembly

- Part #7707340
- Assembled by Jasper Engines and Transmissions skilled technicians with a standard set of new parts - drums, brake shoes, backing plates, axles, brake cable, bearings, gaskets, O-rings, seals and thrust washers.
 - Inspected for precise tolerances for reduced noise and reliable operation.
 - Covered by JASPER's 3 Year Parts & Labor Warranty. (Excludes brake drums, shoes, cables and brake hardware.)
 - JASPER is a Differential supplier to some of the greatest names in the NASCAR Sprint Cup and Nationwide Series.
 - Remanufactured in the U.S.A.
 - The complete Rear Differential Assembly (with brake drums) is offered through the Jasper Innovative Solutions NOA and through Jasper Engines and Transmissions via credit card. Rear Differential Assemblies without the brake drums are offered through the Jasper Engines and Transmissions NOA.



BODY / DOOR PRODUCTS



Stainless Steel Door Tracks, Original Length and Extended

Door tracks are a high wear item on the LLV. The best prevention of multiple replacements is to choose the stainless steel version from JIS. Stainless will not rust, corrode or deteriorate. Stainless is more durable than aluminum and steel, so the chance of damage is reduced. Durability is the key to reduce wear. Combine our 88812500 stainless wear strips with these stainless door tracks and enjoy a lifetime of service.

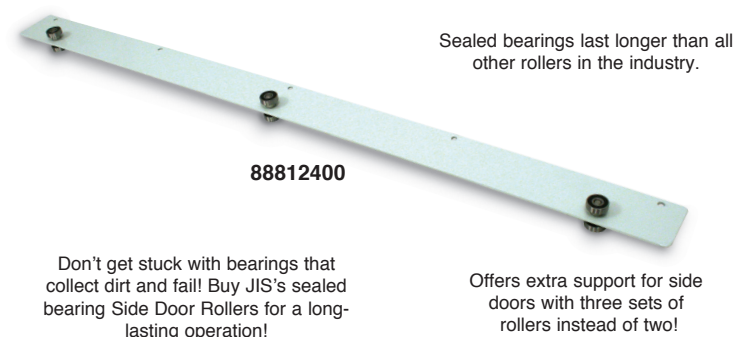
Install the extended tracks to allow the side door to roll all the way back, preventing it from hitting the side of the vehicle.

Features:

- Original length fits both the left and right side doors.
- Pre-drilled holes for easy installation.
- Manufactured in stainless steel.
- All installation hardware included.
- Ice and snow will not adhere to stainless steel, preventing door jams.

Part #	Description
88810100	Original Length Side Door Track
88812100	58" Extended Length Right Side Door Track
88820100	58" Extended Length Left Side Door Track

Approved by the United States Postal Service in Vehicle Maintenance Bulletin #V-07-97.



Side Door Roller Assembly

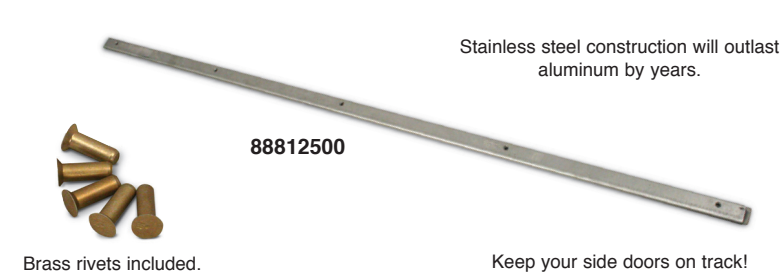
Side Door Roller Assembly features three sets of sealed bearings to support the weight of the LLV door. Each bearing is hand pressed onto machined shafts and tested for proper operation. The aluminum rail is pre-drilled and set up for easy installation. Precision bearings provide smooth operation of either LLV door.

Features:

- Pre-drilled unit installs easily.
- Roller is permanently sealed and lubricated.
- All installation hardware is included.
- Fits on both right and left side door.

Part #	Description
88812400	Side Door Roller Assembly

Approved by the United States Postal Service in Vehicle Maintenance Bulletin #V-07-97.



Side Door Wear Strip

When installed, stainless door tracks out perform the aluminum and plastic versions offered by competitors. The natural features of stainless eliminate issues with corrosion, rust and premature wear. Precision equipment and tooling are used to manufacture these wear strips, ensuring a quality fit every time they are installed.

Features:

- Constructed of corrosion-resistant stainless steel.
- Pre-drilled strip installs easily.
- Fits both right and left side doors.
- Countersunk rivet holes for flush installation.

Part #	Description
88812500	Side Door Wear Strip

BODY / DOOR PRODUCTS CONTINUED

Kit Package #2

Original and Extended Length Door Tracks
(Original Length shown)

Includes:



Installation hardware is included
with all door kits.

88810200 - #2 Original Length (Right or Left)
88812200 - #2 Extended Length (Right)
88820200 - #2 Extended Length (Left)

Kit Package #3

Original and Extended Length Door Tracks
(Original Length shown)

Includes:



Installation hardware is included
with all door kits.

88810300 - #3 Original Length (Right or Left)
88812300 - #3 Extended Length (Right)
88820300 - #3 Extended Length (Left)

Door Track Kits - Original and Extended Length

Choose the kit that best fits your application: either tracks with wear strips or tracks, wear strips and rollers. The stainless tracks and wear strips should last the life of the vehicle. Available in original or extended lengths. All installation hardware is included.

Features:

- Stainless Steel Door Tracks
- Original length fits both side doors.
- Pre-drilled holes for easy installation.
- Manufactured in stainless steel.
- All installation hardware included.

Side Door Rollers

- Pre-drilled unit installs easily.
- Roller is permanently sealed and lubricated.
- All installation hardware is included.
- Fits on both right and left side door.

Side Door Wear Strip

- Constructed of corrosion-free stainless steel.
- Pre-drilled strip installs easily.
- Fits both right and left side doors.

Part #	Description
88810200	Original Length Door Track Kit - #2 Includes: Track and Wear Strip
88810300	Original Length Side Door Track Kit - #3 Includes: Track, Wear Strip and Door Rollers
88812200	58" Extended Length Right Side Door Track Kit - #2 Includes: Track and Wear Strip
88812300	58" Extended Length Right Side Door Track Kit - #3 Includes: Track, Wear Strip and Door Rollers
88820200	58" Extended Length Left Side Door Track Kit - #2 Includes: Track and Wear Strip
88820300	58" Extended Length Left Side Door Track Kit - #3 Includes: Track, Wear Strip and Door Rollers

BODY / DOOR PRODUCTS CONTINUED

Two-Piece Steel Cargo Door Tracks

Cargo door rails have a high failure rate due to the aluminum construction and off-center door handle. Uneven pressure is created because more force is applied on the left side of the door when closing. The door racks create friction points on the rail, resulting in premature wear on the soft aluminum material.

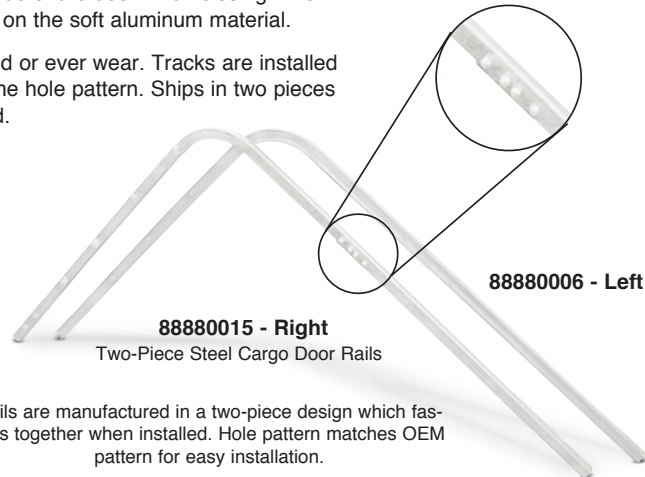
The steel tracks will provide for reliable, consistent use and will not bend or ever wear. Tracks are installed in the same manner as the existing aluminum tracks and utilize the same hole pattern. Ships in two pieces to conserve on cost and storage space. Assembly hardware is provided.

Features:

- All steel construction.
- Two-piece design for ease of shipping and storage.
- Utilizes same hole pattern as existing tracks.
- Individually ordered for left or right side.



Two-piece steel rails have a longer life than aluminum rails and break down to easily ship to the VMF.



88880015 - Right
Two-Piece Steel Cargo Door Rails

Rails are manufactured in a two-piece design which fastens together when installed. Hole pattern matches OEM pattern for easy installation.



55500629

Cargo Door Roller

New Design - Twice the life of other cargo door rollers!

Part #	Description
88880006	Steel Door Track (Left Side)
88880015	Steel Door Track (Right Side)
55500629	Cargo Door Roller

Super-Thick Rear Cargo Door Bumpers

Door Bumpers absorb the shock from the rear door opening too far. Use JIS bumpers when current bumpers fall off or wear down. OEM Door Bumpers wear down from the constant use of the cargo door hitting the bumpers. This results in costly door replacements. Attach JIS's thicker door bumpers and remove this expense.

Features:

- Bumper bolts to bracket (drilling required).
- Once attached with bolt, bumpers will not fall off.
- Made of solid rubber.
- Sold in pairs.

Approved by the United States Postal Service for Vehicle Maintenance on 02-11-98.



Best preventative, cost-saving item on a vehicle!

Over 200% thicker than OEM Door Bumpers.



Easy to install!

Part #	Description
88820210	Reinforced Rear Door Bumper Kit (Pair)

BODY / DOOR PRODUCTS CONTINUED



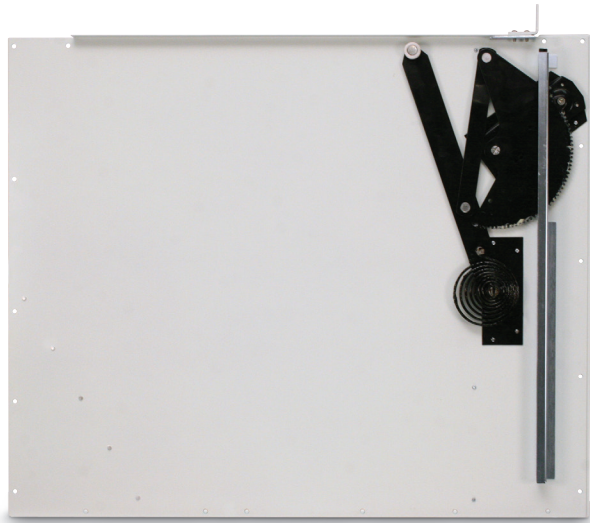
Gear Driven Window Regulators

One of the hardest working parts in an LLV is the window regulator. In some climates, the carrier may raise and lower a window as much as 400 times per day. Although most cable regulators perform well, they cannot handle the rigors of extreme usage and premature failure often results. In those situations, we suggest purchasing JIS's gear driven regulator.

Gear driven regulators rarely fail due to the reduction in wear points in the gear sector design. Instead of dragging a cable through a sheave, the gear sector uses torque and leverage. Consequently, with the assistance of a high-tension spring, the operator only requires 6 lbs. of force to operate. Less force, less friction, less failures.

- Features:
- Premium fit. Our panels will install easier than the OEM.
 - Reinforcement panel and rib attached with impact rivets.
 - High-tension spring requires less effort to raise and lower the window.
 - Internal mounted window channel with window felt installed.
 - Install kit with hardware, felt, channel, door block, handle, corner bracket and window hold-downs.

Part #	Description
88837600	Window Regulator - Mounted, Right Side Gear
88837601	Window Regulator - Mounted, Left Side Gear



88837600 - Right Side
88837601 - Left Side
LLV Gear Driven Window Regulators,
Mounted - Right and Left Side

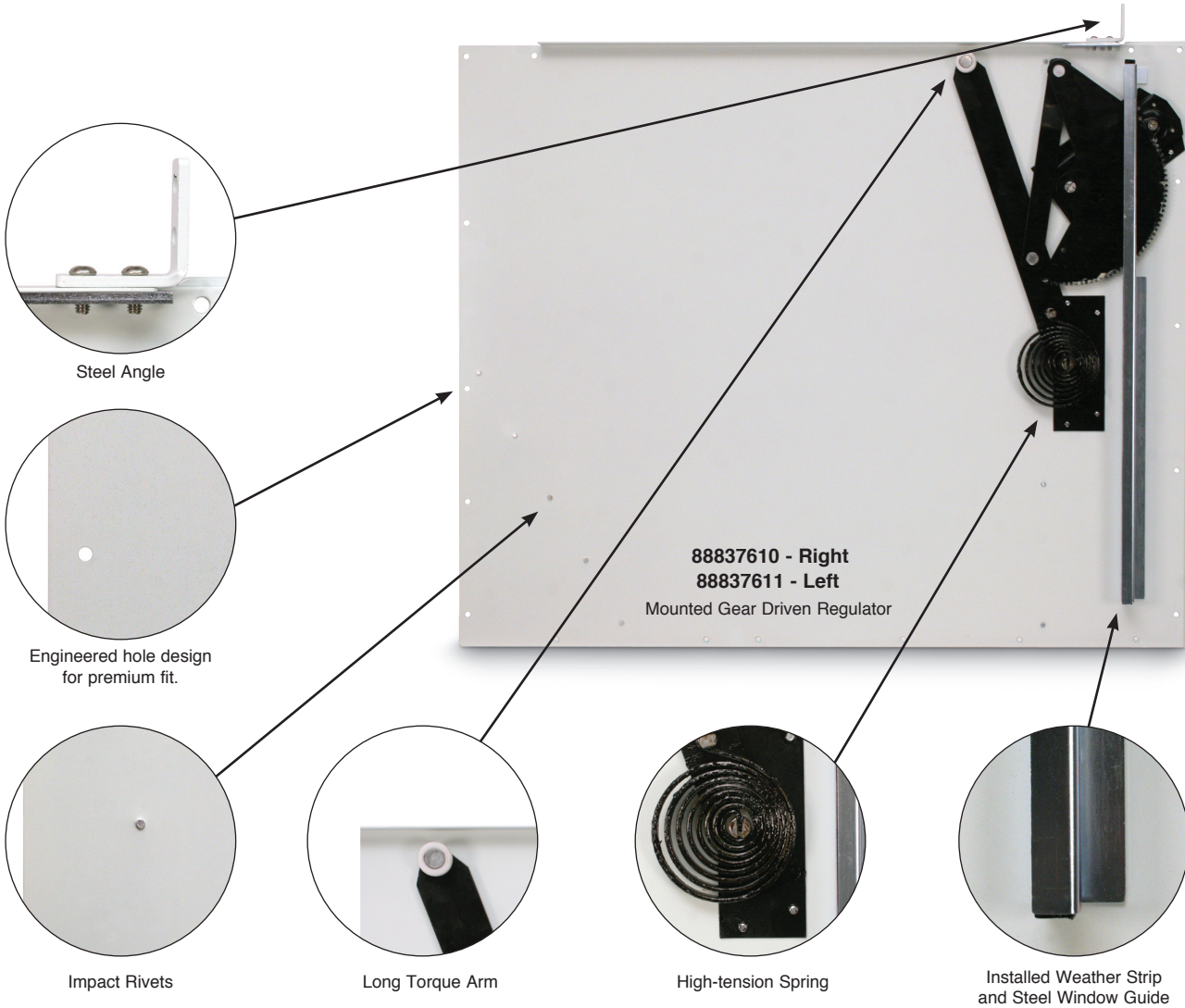


BODY / DOOR PRODUCTS CONTINUED

Gear Driven Window Regulator w/o Hardware

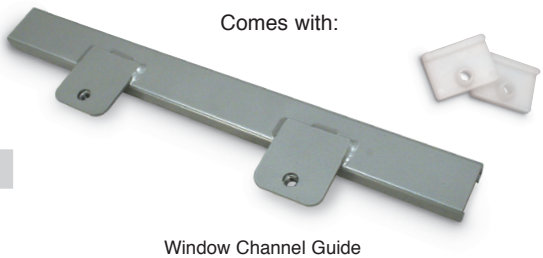
The LLV Gear Driven Regulator 88837610 (Right) is sold without any hardware or accessories for those facilities who need to replace just the regulator. Optional components are available for replacement. These regulators come with gear regulator (mounted), panel and window channel.

- Features:
- Premium fit. Our panels will install easier than the OEM.
 - Reinforcement panel and rib attached with impact rivets.
 - High-tension spring requires less effort to raise and lower the window.
 - Internal mounted window channel with window felt installed.



LLV Gear Driven Window Regulators w/out
Hardware- Right and Left Side

Part #	Description
88837610	Window Regulator - Mounted, w/out Hardware, Right Side Gear



BODY / DOOR PRODUCTS CONTINUED



88837620 - Right
88837621 - Left
LLV Gear Driven Window Regulators, Mounted w/ Full-Size Door Block

Gear Driven Regulator Kit w/ Full Size Door Block

One of the hardest working parts in an LLV is the window regulator. In some climates, the carrier may raise and lower a window as much as 400 times per day. Although most cable regulators perform well, they cannot handle the rigors of extreme usage and premature failure often results. In those situations, we suggest purchasing JIS's gear driven regulator.

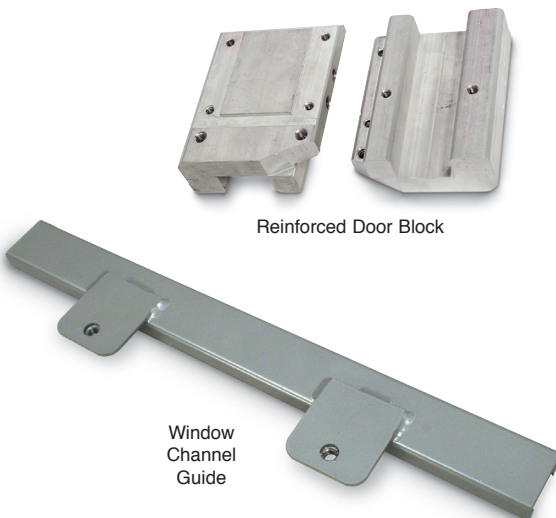
Gear driven regulators rarely fail due to the reduction in wear points in the gear sector design. Instead of dragging a cable through a sheave, the gear sector uses torque and leverage. Consequently, with the assistance of a high tension spring, only 6 lbs. of force is required to operate. Less force, less friction, less failures.

The full-size door block secures the door post at three positions - inside, outside and inside the window jam. The inside and window jam features $\frac{1}{4}$ " x 20 threads to prevent hardware from shearing.

Features:

- Premium fit. Our panels will install easier than the OEM.
- Reinforcement panel and rib attached with impact rivets.
- High-tension spring requires less effort to raise and lower the window.
- Internal mounted window channel with window felt installed.
- Install kit with hardware, felt, channel, door block, handle, corner bracket and window hold-downs.
- Full-size door block features $\frac{1}{4}$ " x 20 helical inserts.

Part #	Description
88837620	Window Regulator - Mounted w/ Full-Size Door Block, Right Side Gear
88837620A	Window Regulator - Includes Reinforced Door Block, Right Side Gear
88837621	Window Regulator - Mounted w/ Full-Size Door Block, Left Side Gear

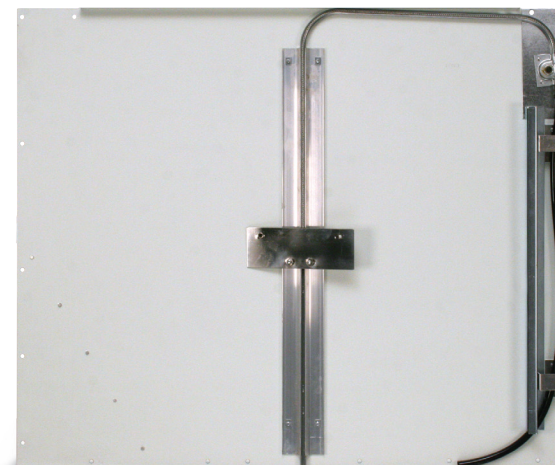


Reinforced Door Block

Window Channel Guide

BODY / DOOR PRODUCTS CONTINUED

Cable Driven LLV Window Regulator, Mounted, w/ Full Size Door Block- Right and Left Side



88837501- Right **88837701- Left**
Mounted Window Regulator w/ Window Plate



Cable Window Regulators w/ Reinforced Door Block

Choose the 88837501 or 88837701 if your facility has carriers that are especially hard on their vehicles. These two options still feature a complete door panel with a cable regulator mounted on it but also includes a reinforced door block with $\frac{1}{4}$ " x 20 screw holes for the angle bracket and an angle bracket that is fabricated from steel instead of aluminum. The full door block attaches at three points, stabilizing the door post. The $\frac{1}{4}$ " x 20 screw holes have more strength than the typical 10-32 screws that are usually supplied, preventing shearing of those screws. The steel angle minimizes flexing at the weakest point of the door.

Features:

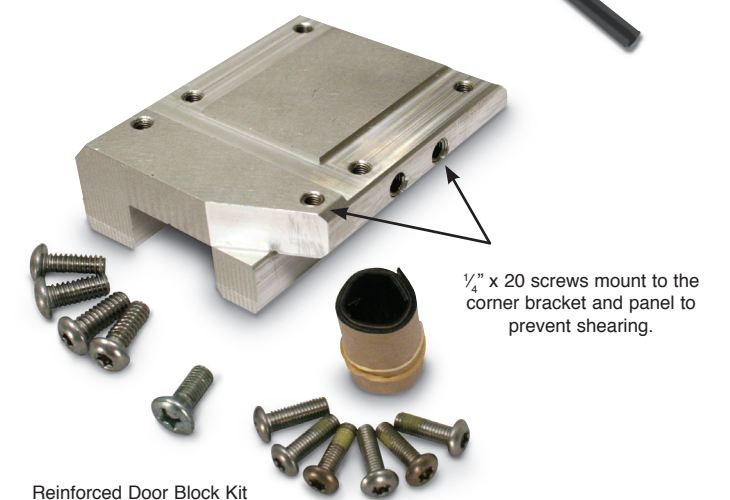
- Steel corner bracket.
- Reinforced door block.
- Stainless steel window plate.
- Powder-coated finish on panel.
- Modular design for replacement of damaged parts but ships assembled for installation.

Comes with:



Weather Strips

Window Crank Handle



Reinforced Door Block Kit

$\frac{1}{4}$ " x 20 screws mount to the corner bracket and panel to prevent shearing.

Part #	Description
88837501	Window Regulator, Mounted, w/ Full-Size Door Block - Right Side Cable
88837701	Window Regulator, Mounted, w/ Full-Size Door Block - Left Side Cable

BODY / DOOR PRODUCTS CONTINUED

Cable Driven LLV Window Regulator, Basic Kit - Right and Left



88837800 - Right
88837900 - Left
Window Regulator

Comes with:



Window Crank Handle



Window Plate

Cable Window Regulator Kits

VMFs that need to make economical and efficient window repairs can choose from two cable regulator kit options: Our Basic kit features the regulator, a chrome finished door handle and the stainless steel mounting plate for the window. The Standard kit includes the same three components as the Basic kit, but also includes weather stripping and our standard door repair kit.

The regulator itself consists of an aluminum extruded main plate with mounting weld nuts pre-installed, a black plastic outlet tube to prevent cable damage, and the gear plate that operates the regulator. The cable core is synthetic and lubricated with graphite to extend its life. Remove damaged cables from the regulator and install a replacement cable (88880031) for an even more economical fix.

Features:

- Basic or Standard kits available.
- Pre-lubricated with graphite.
- Replacement cables install into regulator housings for repair.
- Both kits available in left or right hand assemblies.

Part #	Description
88837100	Window Regulator, Standard - Right Side
88837300	Window Regulator, Standard - Left Side Cable
88837800	Window Regulator, Basic - Right Side Cable
88837900	Window Regulator, Basic - Left Side Cable
88880031	Replacement Cable for Cable Driven Regulator

Cable Driven LLV Window Regulator, Standard Kit - Right and Left



88837100 - Right
88837300 - Left
Window Regulator

Comes with:



Weather Strips



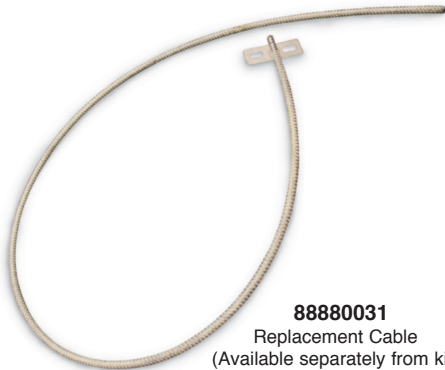
Window Plate



Door Repair Kit



Window Crank Handle



88880031
Replacement Cable
(Available separately from kit)

BODY / DOOR PRODUCTS CONTINUED

Cable Window Regulators

These are cable driven regulators factory mounted on door panels. Simply remove the failed or damaged panel assembly and replace. A window plate is mounted to the regulator, and the regulator is mounted to a reinforced door panel. Fabricated brackets are installed next to the window guide to keep the glass panel from excessive movement. Window guide has felt already inserted into the channel. All panels have a rib riveted diagonally to minimize the chance for bowing. Additional window strips are sent with each panel and are recommended for installation. We also supply a door block for strengthening the door post and a window handle.

Features:

- Steel corner angle - stronger than aluminum.
- Stainless steel window plate.
- Powder-coated finish on the panel.
- Stainless steel hardware is stronger and corrosion proof.
- Modular design allows some components to be removed and replaced if damaged.

Comes with:



Window
Crank
Handle



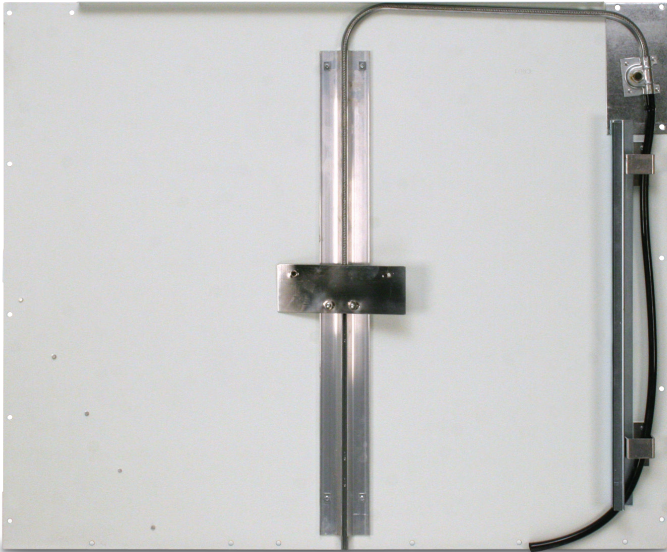
Weather Strips



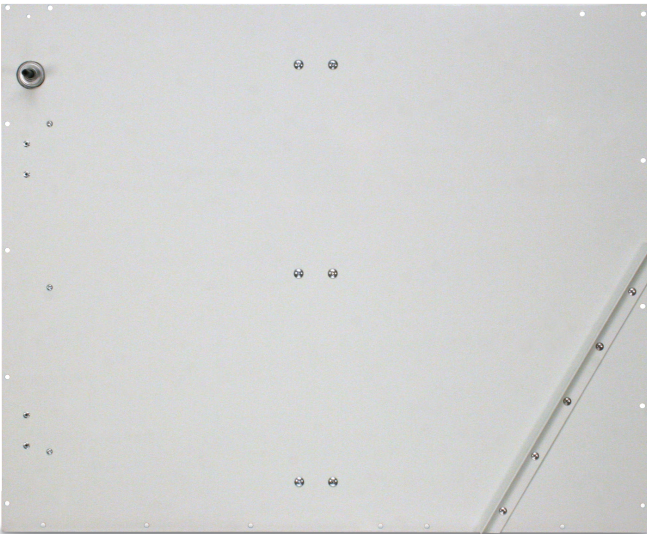
Door Kit

Part #	Description
88837500	Window Regulator, Mounted - Right Side
88837700	Window Regulator, Mounted - Left Side Cable

Cable Driven LLV Window Regulator,
Mounted - Right and Left Side



88837500 - Right 88837700 - Left
Mounted Window Regulator w/ Window Plate



BODY / DOOR PRODUCTS CONTINUED

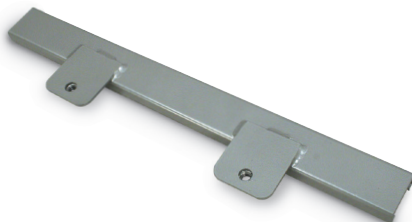
Gear Driven Window Regulator Repair Options

Purchase Cable Regulator repair parts instead of replacing the entire unit.



55500449 - Right
55500450 - Left
Reinforced Door Block

The reinforced door block attaches to the door post at three positions for added durability and strength. Features 1/4" x 20 threads at the corner bracket and panel to eliminate shearing of bolts.



55500042
Window Channel Guide



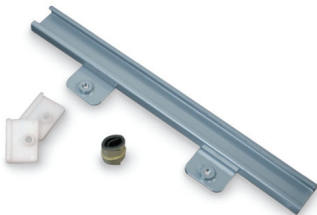
88820090
Right & Left Door Block Kit



77700044
Hardware Kit for 88837600/88837601



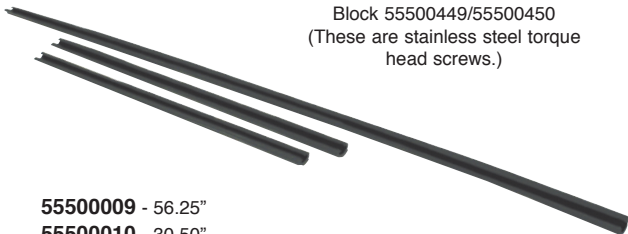
77700654
Reinforced Door Block Hardware Kit for 88837620



77700607
Hardware Kit for 88837610/88837611



88880053
Hardware Kit for Aluminum Door Block 55500449/55500450 (These are stainless steel torque head screws.)



55500009 - 56.25"
55500010 - 30.50"
55500011 - 29.50"
Weather Strips

Weather stripping installs around the perimeter of the window opening. It helps prevent unwanted air flow and keeps the window from binding. Adhesive is installed on each strip and can be cut for a perfect fit. Choose from three lengths.

Part #	Description
55500449	Reinforced Door Block - Right
55500450	Reinforced Door Block - Left
55500042	Window Channel Guide
88820090	Right & Left Door Block Kit
77700044	Hardware Kit for 88837600/88837601
77700654	Reinforced Door Block Hardware Kit for 88837620
77700607	Hardware Kit for 88837610/88837611
88880053	Aluminum Door Block Hardware Kit
55500009	Weather Strip, Window 56.25" L
55500010	Weather Strip, Window 30.50" L
55500011	Weather Strip, Window 29.50" L

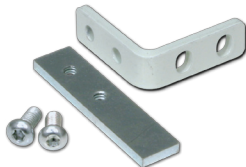
BODY / DOOR PRODUCTS CONTINUED

Cable Driven Window Regulator Repair Components

Purchase Cable Regulator repair parts instead of replacing the entire unit. Parts are available individually or choose a complete kit that corresponds with your product.



55500007STL
Steel Angle



77700779
Reinforcement Kit for Window Regulator



77700380
Hardware Kit for 88837500/88837700



55500008
Window Plate
Stainless steel window plate has weldnuts already attached. Tight tolerances for proper spacing.



88830100



77700013
Hardware Kit for 88837100/88837300, 88837800/88837900



77700656
Reinforced Door Block Hardware Kit for (Right Side) 88837501



77700657
Reinforced Door Block Hardware Kit for (Left Side) 88837701

Part #	Description
55500007STL	Steel Angle
77700779	Reinforcement Kit for Window Regulator
55500008	Window Plate
88830100	Interior Window Seal Kit
77700380	Hardware Kit for 88837500/88837700
77700013	Hardware Kit for 88837100/88837300, 88837800/88837900
77700656	Reinforced Door Block Hardware Kit for (Right Side) 88837501
77700657	Reinforced Door Block Hardware Kit for (Left Side) 88837701

BODY / IMPROVEMENTS

LLV Floor Mat and Floor Mat Fasteners

The driver's floor mat takes the biggest beating in the truck. When replacing the LLV driver's side floor mat, choose a quality product like JIS's. We offer a pebble surface mat that is die cut to fit like the original. The exact fit creates an easy install for mechanics. The extruded aluminum mat fasteners are already countersunk for a flush install. Fasteners are a great alternative to installing mats with adhesive.

- Features:
- Floor Mats
- Non-slip rubber with lava finish reduces wear and tear.
 - Extra thick for extended service life.
 - Pre-cut rubber material is easy to install and requires no glue.
 - Environmentally friendly 100% recycled tire rubber.
 - 1/8" thick mat for durability.

- Mat Fasteners
- Three-piece extruded aluminum construction.
 - Self-tapping screws (included) hold down the mat on three sides.
 - Easy to install.



Shown here, 88827800 - LLV Floor Mat w/ Fasteners.

Part #	Description
88827800	LLV Floor Mat & Fastener Kit

No messy adhesive applied on mat!



88827800
1/8" Floor Mat with Fasteners

Pebble surface mat and ribbed fasteners make this pre-cut LLV Mat the only choice!

Approved by the United States Postal Service in Vehicle Maintenance Bulletins #V-03-99 and #V-06-99.



Fasteners constructed from extruded aluminum and holes are countersunk.

LLV Floor Mat 1/8"

The driver's floor mat takes the biggest beating in the truck. When replacing the LLV driver's side floor mat, choose a quality product like JIS's. We offer a pebble surface mat that is die cut to fit like the original. The exact fit creates an easy install for mechanics. The extruded aluminum mat fasteners (sold separately) are already countersunk for a flush install. Features: Non-slip rubber with lava finish reduces wear and tear; Extra thick for extended service life; Pre-cut rubber material is easy to install and requires no glue; Environmentally friendly 100% recycled tire rubber; 1/8" thick mat for durability.

Part #	Description
88827700	LLV Floor Mat 1/8"

LLV Mat Fasteners & Hardware

Mat fasteners accompany the 88827700 LLV Floor Mat. Kit comes with three pieces of aluminum constructed hold-downs and self-tapping screws. Fasteners are a great alternative to installing mats with adhesive. Features: Three piece aluminum construction; Self-tapping screws hold down the mat on three sides; Easy to install.

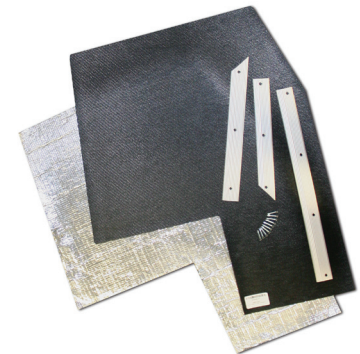
Part #	Description
88827600	LLV Mat Fasteners & Hardware

BODY / IMPROVEMENTS *CONTINUED*

LLV Insulated Mat & Fastener Kit

The driver's floor mat takes the biggest beating in the truck. When replacing the LLV driver's side floor mat, choose a quality product like JIS's. We offer a pebble surface insulated mat that is die cut to fit like the original and keeps driver's feet comfortable. The exact fit creates an easy install for mechanics. The extruded aluminum mat fasteners are already countersunk for a flush install. Fasteners are a great alternative to installing mats with adhesive. Features: Floor Mats - Insulated mat keeps driver's feet comfortable; Non-slip rubber with lava finish reduces wear and tear; Extra thick for extended service life; Pre-cut rubber material is easy to install and requires no glue; Environmentally friendly 100% recycled tire rubber; 1/8" thick mat for durability. Mat Fasteners - Three-piece extruded aluminum construction; Self-tapping screws (included) hold down the mat on three sides; Easy to install.

Part #	Description
88827801	LLV Insulated Mat & Fastener Kit



LLV Step Well Plate (Right Side Only)

This is a great product for the Southern states. The plate is quickly installed with two self-tapping screws (provided). The diamond pattern provides an optimum slip resistant surface for wet weather. Installation time is under two minutes; plate lays over existing step well. Features: One piece, diamond plate construction; Constructed from durable and corrosion-resistant aluminum; Optional self-tapping screws included to secure the plate from any movement. **Note: Should not be installed as an alternative to repairing the sill when cracked.**

Part #	Description
88834020	LLV Step Well Plate (Right Side Only)



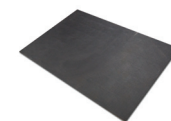
LLV Step Well Rubber Mat

Reduce injuries caused by Postal workers slipping while entering their LLVs. Install a Step Well Mat over the existing worn surface of the step well and reduce the risk of slipping. LLV mat is cut to fit both the left and right side of the step well. Features: Made from environmentally friendly 100% recycled tire rubber; Smooth bottom with wire mesh/anti-skid texture on top; Designed for 1987-1994 LLVs; Comes with self-tapping installation screws.

Part #	Description
88834070	LLV Step Well Rubber Mat



Part #	Description
--------	-------------



88834080

LLV Rear Cargo Mat



88880265

LLV Traction Step Well Mat

BODY / IMPROVEMENTS CONTINUED



Universal Seat with Lumbar Support

The JIS seat is designed for heavy-duty use for any postal vehicle. OEM tough, yet aftermarket friendly. Features: Added lumbar support reduces fatigue and increases lower back comfort; All frames are pre-drilled to accept shoulder belt footman's loops; Upholstery is a black & white woolen spun nylon constructed to USPS OEM specifications; Puncture and tear resistant.

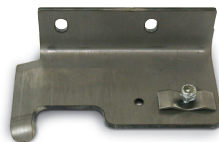
Part #	Description
81694001U	Universal Seat with Lumbar Support



LLV Seat Belt Bracket

According to the Vehicle Modification Order 03-89, the seat belt bracket is an optional modification that can be implemented to replace the bracket of the shoulder harness on the LLV. The upper seat belt bracket repositions the driver's side shoulder strap to a more comfortable and accommodating position regardless of their stature. Installs parallel to the floor and is constructed of zinc-coated steel. Each piece measures 3" x 1-1/2" x .0625". Installation instructions included. Features: Complies to Vehicle Modification Order 03-89; Drivers of any stature can ride comfortably; Constructed out of zinc-coated steel; Installation instructions included.

Part #	Description
88880005	LLV Seat Belt Bracket



LLV Hood Bracket

The LLV hood latch has a tendency to tangle with the spring mechanism, causing malfunction when the hood is released. The bracket has an increased length that positions the spring further from the release, eliminating tangles. Mechanics still have the option of positioning the spring in the original location if a replacement bracket is all that is needed. The replacement spring (88880009) has adequate tension to allow hood to release properly. Bracket utilizes same hole pattern for easy replacement. Features: Comes with Clip, Nylon Insert Lock Nut, and Bolt; Uses existing hole pattern for installation; Optional (two) spring positions.

Part #	Description
88880019	LLV Hood Bracket



LLV Hood Spring

The LLV hood latch has a tendency to tangle with the spring mechanism, causing malfunction when the hood is released. The spring size has decreased to eliminate tangles. Purchase the spring with the Hood Bracket (88880019), which positions the spring further back preventing any malfunctions. The replacement spring has adequate tension to allow hood to release properly. Features: 2-1/2" Spring - shortened length prevents tangles with hood release mechanism.

Part #	Description
88880009	LLV Hood Spring



LLV Battery Plate

The battery plate installs on the underside of the LLV wheel well to secure and tighten the battery into place. Existing plates incorporate pressed-on nuts that have a tendency to spin in place once the threads rust or become corroded. Replace the old plate with a plate manufactured out of stainless steel, which features a welded-on stainless steel nut to remain operable after years of use. Plate is punched with the same rivet hole pattern for easy installation and measures 8" x 1-7/8" x 1/16". Features: Made from stainless steel; Utilizes existing hole pattern; Stainless steel weldnut.

Part #	Description
88880008	LLV Battery Plate

BODY / IMPROVEMENTS CONTINUED

Brake Housings & Reinforcement Brackets

Install an Adjustable Parking Brake Bracket (88820030) and protect the hand brake assembly from bending. Damaged housing causes additional labor and replacement costs. Buy the bracket for an inexpensive fix to an expensive problem.

Use Emergency Brake Housings (15602836HD) to strengthen and reduce failure of the emergency brake. Housing uses the original design with an additional plate welded on.

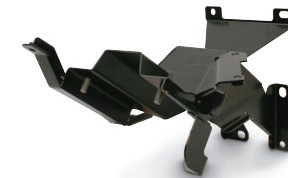
Features:

- Adjustable Parking Brake Bracket
- Bracket installs one time for a permanent fix.
- Bracket adjusts to fit over hand brake assembly.
- All installation hardware is included.

Emergency Brake Housing

- Original design with additional plate.
- Plate strengthens and reduces failure.

Approved by the United States
Postal Service for Vehicle Maintenance
on 02-11-98.

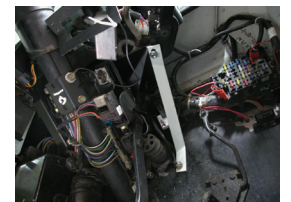


15602836HD
Emergency Brake Housing
w/ Reinforcement Plate



88820030

All installation hardware is included.



Part #	Description
15602836HD	Emergency Brake Housing
88820030	Adjustable Parking Brake Bracket

LLV Shift Bracket

Shift bracket prevents the shifting lever from moving into different gears at the same time. When this bracket fails, the lever is able to move freely, potentially causing a hazardous situation. Bracket is constructed from .180 thick heavy-duty zinc-coated steel. Measures 1.68" L x 1.88" W x 1" D.



Part #	Description
88880028	LLV Shift Bracket

LLV Bracket for Instrument Panel

A broken OEM aluminum bracket requires two hours of labor to replace. As a preventative measure, every time the instrument panel is being worked on, replace the panel bracket with JIS's steel version. This is an inexpensive part that can save labor hours if replaced when it is opportune. Features: Bracket is OEM replica - no need to modify vehicle; Steel bracket is stronger than OEM aluminum part.



Part #	Description
88830400	LLV Bracket for Instrument Panel

LLV Kick Plate Panel

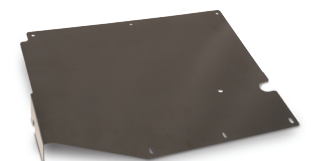
Protect the original LLV liner panel from dents and prevent unnecessary maintenance. Kick Plate Panel installs directly over the original panel and eliminates the sharp edges that occur when the original panel breaks down. Features: Constructed from aluminum and powder-coated metal; Panel fits exactly - no need for vehicle modification; Kick panel mounts over the ashtray onto the existing panel and is secured by five rivets; All installation hardware is included; Installation is easy with pre-drilled holes.



Part #	Description
88830200	LLV Kick Plate Panel

LLV Heavy-Duty ECM Cover

The ECM Cover is made to the same form, fit and function of the plastic OEM unit. Constructed out of 16 gauge black powder-coated steel, the cover eliminates the premature failure of the heater control lever from being pushed in and out throughout the seasons. The ECM Cover also withstands the impact of mail trays from daily use by the carriers. Easy installation. No vehicle modifications necessary. Features: Made from 16 gauge steel; OEM form, fit and function; Easy installation.



Part #	Description
88880232	LLV Heavy-Duty ECM Cover

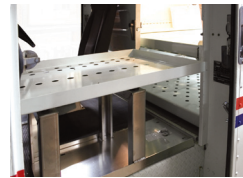
BODY / IMPROVEMENTS CONTINUED

LLV Mail Tray Support System w/ Mail Tray

Create additional tub storage space in the LLV by installing a JIS Mail Tray Support. This fully assembled unit is lightweight for installation, but strong and durable for the rigors of carrier use. The vertical supports on the base were designed with gaps wide enough to fit flat tubs under the mail tray pan. Carriers can use this space for collection mail or flats delivery. Utilizes two ultra soft slides for adjusting the mail into position.



88800510
Ships exactly as shown



- Features:
- Seam welded and powder-coated tray.
 - Aluminum base.
 - Installs with four bolts (included).
 - Dual slides allow for tray adjustment.
 - Fully assembled for VMF labor saving.

Part #	Description
88800510	LLV Mail Tray Support System w/ Mail Tray

LLV Mail Tray Support System - Unassembled

This system was designed for two purposes: A) It ships compact to reduce mailing costs and storage space. B) The existing mail tray can be mounted to this base, providing all the advantages of a dual slide system without discarding the OEM mail tray. The original spider base is replaced with a vertical tubular design, allowing the floor space to be optimized. Order the partially assembled tray support units if you plan to keep an inventory. The knocked down tray support saves space and is easily assembled when ready to use. Choose the assembled units (88800500) if your facility chooses not to stock this item.

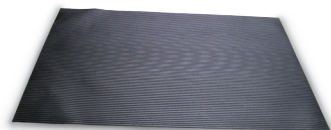


- Features:
- Heavy-duty, corrosion-resistant aluminum construction, powder-coated postal white.
 - Perfect fit - no need for vehicle modification.
 - Mounts on the vehicle floor using the existing holes.
 - System includes dual-adjustment slides which are pre-assembled.
 - Easy to install.
 - Ships unassembled to save space.

Part #	Description
88800300	LLV Mail Tray Support System - Unassembled

LLV Mail Tray Mat

Carriers request mats to minimize movement of letter trays. Ribbed surface assists in this matter. Material is designed to lay flat once installed. Mat keeps mail tray pan clean. Features: Mat fits all mail trays measuring 24" x 36"; Mat is 1/16" thick for extra durability; Non-slip, textured matted back surface holds securely in place; Black vinyl rubber material is easy to clean and maintenance free.



Part #	Description
88827050	LLV Mail Tray Mat

LLV Bulk Mail Tray Matting (3ft. X 43" roll)

Cut multiple mats from one roll when you order the Bulk Mail Tray Matting. Roll measures 36" x 43". Carriers request mats to minimize movement of letter trays. Ribbed surface assists in this matter. Material is designed to lay flat once installed. Mat keeps mail tray pan clean. Features: Roll measures 36" x 43"; Cut to fit; Mat is 1/16" thick for extra durability; Non-slip, textured matted back surface holds securely in place; Black vinyl rubber material is easy to clean and maintenance free.



Part #	Description
88882050	LLV Bulk Mail Tray Matting (3ft. X 43" roll)

SECURITY PRODUCTS

Hansen International Lock Components

Keep your Fleet Secure with Hansen International Components. Products are in stock and available for immediate delivery. More items coming soon! Features: Guaranteed to meet OE specifications; Approved by USPS Vehicle Operations.



73349000UM



73349000ES



73359000ES



7310XXXX



73369000

Part #	Description
73349000UM	Cylinder, Complete Lock Set with Hardware and (3) Keys, for FFV
73349000ES	Lock Set with Hardware
73359000ES	Cylinder, Complete Lockset without Hardware
7310XXXX	Cylinder, Lock Ignition (ISCID) Ignition Switch Circuit Interrupt Device
73369000	

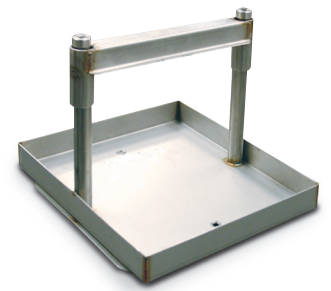
LLV Battery Lock

The LLV Battery Lock is a security system that was designed to prevent theft of the vehicle battery. Made out of stainless steel, the security lock is easy to install and has an oversized inner fender base plate which prevents the bolts from pulling through. Threaded plate installs under the wheel well and bolts to the tray located above the wheel well. Retaining bar sits on top of the battery and is secured to the threaded rods with security nuts, preventing the battery from being removed. Key for security nuts is included.

Part #	Description
88894000	LLV Battery Lock
88894010	LLV Battery Lock Security Key



88894010
Security Key



88894000
LLV Battery Lock

Part #	Description
88833003	LLV Rear Door Security Lock Cover - Replacement



LLV Rear Door Lock Cover

Rear Door Lock Cover is an OEM duplicate. Formed from aluminum and is deburred. Cover is designed to fit over existing OEM Door Lock. Features: Formed from aluminum; OEM duplicate; Fits over existing Door Lock.

Part #	Description
81692029MOD	LLV Rear Door Lock Cover