



# Junk Automobiles



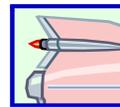
Junked cars and trucks are a big problem in many of our Villages. We will tell you here how to get them out of there. First you need to make sure that you do what you can to use or reuse these vehicles as much as possible. It will save you money and it is even better for the environment:

- ◆ Can you repair any?
- ◆ Can you sell individual parts to be re-used, possibly on eBay?
- ◆ Can you do something else with them? Cars have been used for planters or children's playground equipment (after a safety inspection).

## Recycling Your Junk Automobiles

Did you know you can recycle your junk cars? A typical passenger car is about 75-80 percent recyclable. Some of the materials that can be recycled are:

- **Ferrous (Iron) metal products:** steel frame, wheels, engine and body parts



- **Nonferrous metal products:** aluminum trim, copper and brass radiators



- **Fluids:** antifreeze, engine oil, gasoline, freon



- **Batteries, tires and other reusable items**



Follow along to learn about how to recycle your junk automobiles

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## Where do I start?

Where and how you recycle your cars will depend on where you're located. There are three basic steps:

1

### Find a company that accepts junk automobiles.

We list some companies at the end of this document. You can also look up local companies in your phone book yellow pages under "scrap metal", "automobile wreckers", and "junkyards". Call and ask them:

- ◆ How much they pay per car or if they will take the car at no cost (they might not charge anything).
- ◆ If they offer a pickup service from a barge port or if they require you to bring the cars directly to them, and
- ◆ What sort of car preparation is required by them.

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### Find your cheapest transportation option for shipping the cars to the recycler.

Find out if you can take advantage of existing lower cost or free shipping services available to communities. See our backhaul page [www.zendergroup.org/backhaul.html](http://www.zendergroup.org/backhaul.html) and in particular a draft list of shipping companies

[www.zendergroup.org/docs/backhaul\\_transport.pdf](http://www.zendergroup.org/docs/backhaul_transport.pdf) An example shipping company you could call is call Crowley (1 800 478-5476 or 907-328-4580).

You can speak to Endil or Jen or email them at [endil.moore@crowley.com](mailto:endil.moore@crowley.com) or [jennifer.mclain@crowley.com](mailto:jennifer.mclain@crowley.com). All recyclables need to be packed and marked according to DOT regulations. They also request an estimate of the number of cars you will be shipping. Crowley will also accept pallets of other metal recyclables, but be sure that there is no trash!



If you are not able to take advantage of existing services, contact your local barge or transport company to find out how much it will cost to ship the cars. You can call several different companies and compare quotes/prices. Also find out if they may be able to backhaul out the cars on their way back to Anchorage. If they have lots of room....and they are going there anyway, they may be able to give you a low rate - or possibly free services! We think it never hurts to ask when you are trying to do something good for your community!

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### Prepare your cars for shipping.

See below for details on preparing your cars for recycling.

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## How to prepare junk automobiles for recycling

Every company that accepts junk cars will have different requirements for what must be dismantled first. Find out ahead of time what the preparation requirements are. Also, the

transportation companies may have their own preparation requests for the way the cars must be dismantled or packaged for shipping. So be sure to ask the transportation company what their requirements are as well.

### Prepping the automobiles

It is best for anyone who will be prepping the vehicles to have HAZWOPER training. This training teaches you how to safely handle hazardous wastes. For information on how to get HAZWOPER training, see our "HAZWOPER" training document [www.zendergroup.org/docs/HAZWOPER.pdf](http://www.zendergroup.org/docs/HAZWOPER.pdf)

As mentioned above, different companies will have different requests for what they want dismantled from the car. Most companies require the following:

### Removing Batteries

You will probably need to remove the batteries from all cars that you are recycling. For information on what to do with your car batteries once they have been removed, see our Battery Recycling documents at <http://www.zendergroup.org/battery.htm> Batteries can be a good source of revenue for your environmental program.

### Draining Fluids

You will probably need to drain all the fluids from the cars too. The fluids to drain include: motor oil, antifreeze, brake fluid, and power steering fluid. Often, the gas tank will need to be removed. A word of caution- be careful with cutting/grinding gas tanks as sparks and fumes together can be a recipe for disaster.

### How to drain the fluids

Easy-to-use pumps can be purchased to drain the fluids out of vehicles. Below are some examples of fluid vacuum pumps:



Examples of Fluid Extractor Pumps

These pumps work by moving a handle up and down to pump the fluids through a small hose. The fluids then go to the clear 'holding cylinder' that you can see in the pictures above. The fluids can then be transferred to labeled containers for shipping/recycling/proper storage. If you have the money in your budget, it's a good idea to purchase 2-3 fluid pumps: one to use for gas, one for oil, and one for antifreeze. Then the fluids are kept clean and uncontaminated from one another.

There are also drain plugs for all the fluids in the vehicle and the plugs can be removed to drain the fluids, then you don't need any specialized equipment.

For more details on draining vehicles fluids, refer to Yukon River Inter-Tribal Watershed Council's backhaul manual, pages 11 to 14:

[http://www.yritwc.org/Portals/0/PDFs/2008\\_backhaul\\_manual.pdf](http://www.yritwc.org/Portals/0/PDFs/2008_backhaul_manual.pdf)

For information about what to do with the hazardous fluids from the automobiles, see our website <http://www.zendergroup.org/hazinfo.htm> You can also call us at 907 277 2111 if you need further assistance with this or more information.

### **How much do the fluid pumps cost and where can I purchase them?**

These fluid pumps can be purchased for under \$100 from:

#### **Mityvac**

Lincoln Customer Service One Lincoln Way St. Louis, MO 63120

Phone: (314) 679-4200 [www.mityvac.com/pages/products\\_fee.asp](http://www.mityvac.com/pages/products_fee.asp)

### **What kind of pumps are good to get?**

The City of Kodiak prepared and shipped several cars for recycling and they recommend using the Fluid Evacuator Plus, Model # 7201. Both of these models can be found at this website:

[http://www.mityvac.com/pages/products\\_fee.asp#07201](http://www.mityvac.com/pages/products_fee.asp#07201) To contact Kodiak to ask about

their experience and success with junk automobile recycling call **Tracy Mitchell**, Kodiak Island Borough Phone: 907 486 9348.

### **Removing Tires**

Often, the tires will need to be removed. Tires may be able to be disposed of at the landfill in Anchorage. There is a fee and it varies depending on the type of tires. You are limited to disposing of only 10 tires per day. Please call the Municipality of Anchorage Solid Waste Services customer service line for more information at (907) 343-6250. The Fairbanks North Star Borough will accept tires at a rate of \$92/ton. They can be reached at (907) 459-1482. It is difficult to find places that recycle tires throughout Alaska. We are continuing to research this so feel free to give us a call at 907 277 2111 if you have tires ready to ship out and we'll let you know any latest information we have.

### **To flatten or not to flatten**

Flattening the vehicles with a piece of heavy equipment before shipping might be required by the company. Give them a call to find out if flattening is required.

### **Car title waiver**

Some car recycling companies will require you to show proof of a "title" for each car you are trying to recycle/dispose of. If you don't have the titles for the cars, just fill out the "Intent to dismantle or junk" form and give it to the car recycler.

<http://doa.alaska.gov/dmv/forms/pdfs/849.pdf> It's always best to ask the car recyclers if they have any specific paperwork that you need to fill out when sending the cars in.

## Who to call? Contact details for auto recyclers.

Below are a few companies that accept junk automobiles. Give them a call to find out about their latest requirements and prices. You can also look up local companies in your yellow pages under scrap metal, automobile wreckers, and junkyards.

Company Name/Contact Details	Prices/Requirements
<p><b>Schnitzer Steel</b>            9705 King Street            Anchorage, AK 99515            Phone: 349-4833  <a href="http://www.alaskametalrecycling.com">www.alaskametalrecycling.com</a></p>	<p>Alaska Metal Recycling/Schnitzer Steel is conveniently located by an unloading stop for Alaska Railroad. A few communities have <b>backhauled their junk cars free-of-charge on Crowley Barge to Nenana</b>, and then <b>shipped the cars for free on Alaska Railroad</b> to Alaska Metal Recycling. To read about a community's success story for shipping junk cars for free, see "Success Story" below. Alaska Metal Recycling accepts any vehicles for <b>free</b> but requires that all fluids be drained and batteries and tires removed.</p>
<p><b>Alaska Car Crushing and Recycling</b>            Wasilla, Alaska            Phone: 357-5865</p>	<p>Remove abandoned cars from Anchorage, Wasilla, and Mat-Su. They are looking to set up options for shipping from rural communities, but that won't be until later in 2014.</p>
<p><b>K&amp;K Recycling</b>            8.5 Mile Old Richardson Hwy            Fairbanks, Alaska            Phone: 488-1819            philchenapower@gmail.com</p>	<p>K&amp;K has worked with a few villages to recycle cars, white goods, and scrap metal. Call and ask for Phil Cole. He can work with you to recycle your cars. They can come to your community with a car crusher and work with you on-site.</p>
<p><b>Affordable Auto Wrecking</b>            9802 Martin L King Way S            Seattle, Washington 98118            Phone: (206) 723-9820</p>	<p>Although this company is located in Seattle, <b>they will take your junk cars for free</b> and won't charge for picking them up at the main barge dock. They also don't require any dismantling or flattening. However, the barge lines may require you to drain fluids and remove batteries).</p>
<p><b>C&amp;R Metal Recycling</b>            401 E Van Horn Road            Fairbanks, AK 99701            Phone: 452-4417            Email: lindsayj@crpipe.net</p>	<p>All vehicles must be drained of fluids, and have the following removed: batteries, mercury switches, and un-deployed airbags. Gas tanks must be removed or have a large visible hole. Do not load the cars with additional scrap metal. They will pay \$50/ton for vehicles.</p>
<p><b>Fairbanks North Star Borough</b>            455 Sanduri Street            Fairbanks, AK 99701            Phone: (907) 459-1482</p>	<p>They will accept cars at a rate of \$30 per car. You must fill out an Automobile Disposal Form which is located at the following link: <a href="http://co.fairbanks.ak.us/solidwaste/FORMS/AutoDisposalForm.pdf">http://co.fairbanks.ak.us/solidwaste/FORMS/AutoDisposalForm.pdf</a>. Vehicles are accepted with fluids and there is no proof of ownership required.</p>

## Car Recycling Success Stories

### Louden Village Council - junk automobile recycling and hazardous waste program

Louden Village Council helped design a backhaul program for junk automobiles with five other tribes in the summer of 2002. The junk automobiles were shipped out of the communities through the Crowley Barge/DEC backhaul program for free! Here's how they did it:

- 1) Louden Council first contacted **Metal Recycling Alaska** in Anchorage (who accepts cars and various types of metals) to let them know how many cars they had for recycling.
- 2) Next, they contacted **Crowley Barge** to sign up for their free backhaul service for shipping junk automobiles to Nenana.
- 3) Finally they contacted **Alaska Railroad** who offered them free transportation to ship the cars from Nenana to Metal Recycling Alaska in Anchorage.

Lynden Transport had also offered free transport services but since Alaska Railroad stops right at the doorstep of Metal Recycling Alaska, no other transportation was needed.

To prepare the automobiles for recycling, Louden Council, in cooperation with the City of Galena, gathered **volunteers with HAZWOPER training** and removed all batteries and tires. Then all fluids were drained from the cars and put into containers with labels for free shipping on Crowley Barge. Finally, basketball-sized **holes were made in the fuel tanks** so any remaining vapors could escape.

Louden Council also has a Household Hazardous Waste (HHW) program. A Connex container is located at their barge landing for people to drop off HHW's in labeled containers. Also once their solid waste transfer station is constructed in town, labeled drums will be available at the transfer station locations for people to drop off HHW's. Louden also operates a used oil burner for disposal of the communities used oil.

#### Contact Details:

**Crowley Barge:** Endil Moore 1 (800) 478-5476 or (907) 322 1742

**Alaska Railroad:** Lyle Madson, (907) 265 2448 or main number (907) 265-2300

**Alaska Metal Recycling:** (907) 349-4833

If you would like more information about Louden's junk automobile recycling or hazardous waste program, contact:

**Carol Holly, Louden Village Council** (907) 656 1711

## Northway Junk Vehicle Recycling

Northway has been working with Northern Recycling in Fairbanks to get rid of their junk vehicles. Northern Recycling has been picking up, transporting, and recycling the vehicles for free and in return Northway is letting Northern Recycling keep whatever profit they make off of the cars.

Tom Teasdale, the IGAP coordinator, has been working on this project for a couple years and hopes to ship out more vehicles in 2014. For more detailed information about their junk car recycling program, see the article in our newsletter [http://www.zendergroup.org/docs/news12\\_lo.pdf](http://www.zendergroup.org/docs/news12_lo.pdf) or contact Tom Teasdale, Northway Traditional Council, (907) 778-2311



Cars loaded up in Northway for shipping

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## Other Resources

EPA has a document for Tribes interested in cleaning up abandoned vehicles:  
[http://www.epa.gov/region9/waste/tribal/pdf/Abandoned\\_Vehicle\\_Guide.pdf](http://www.epa.gov/region9/waste/tribal/pdf/Abandoned_Vehicle_Guide.pdf)

Yukon River Inter-Tribal Watershed Council has a good resource for backhauling that provides details on how to deal with vehicles. Refer to pages 10-14 of this document:  
[http://www.yritwc.org/Portals/0/PDFs/2008\\_backhaul\\_manual.pdf](http://www.yritwc.org/Portals/0/PDFs/2008_backhaul_manual.pdf)