



Gears are turning at PAI

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The B-Model Project

Written by Project Manager

Moving right along! We finished the transmission last week and I am pleased with the look. Rebuilding the transmission itself was straight forward like any rebuild, however, when it comes to trying to make something like a transmission look good it's another story. I think the combination of zinc plating all of the fasteners and the parking brake linkage along with black for the parking brake handle frame sets the stage for the rest of the driveline. The 2 shifter levers are presently at the chrome plating shop. The engine will look similar as far as the contrasting colors go, except there will be more chrome because it obviously will be looked at more closely than the transmission. We got the block back from the machine shop last week and it turned out real nice. The main bores were out a little so I went ahead and had them align hone the bores. The sleeve bores cleaned up at plus .006 along with a light cut on the deck surface.



I am going to paint the block before we start assembly because again, as on the transmission, and the frame, I want all of the fasteners to show as zinc plated (painting over everything would be easier, but.....) it's a show truck right? Anyway, we should be starting on the engine in the next week or so.

The frame is done along with the rear springs and differential housing and differential with 4.25 gears. Look at the picture and you will see the zinc fasteners (spring u-bolts, etc.). Our technicians did all of the disassembly and will be doing almost all of the reassembly of the truck. We are in the process of finishing the front springs and clamps and will be installing the front springs and axle next week. (11/15/04)

The steering box and components will be next before the engine and trans can be installed. The next steps will be finishing the long block and bolting the transmission to it and setting it into the frame.

PAI Manufacturing

At PAI manufacturing we are constantly trying to improve cost and quality. There is no better way of doing this than to use state of the art equipment.

In the area of gear manufacturing it is not only necessary to have turning and milling equipment to generate the blanks; but, it is equally important to have state of the art equipment to manufacture and inspect the gear teeth.

In the last four years we have added several pieces of equipment to manufacture the gear teeth. Two of the machines we are utilizing are state of the art CNC Liebherr gear hobber and a CNC Lorenz gear shaper. (Shown in photo)

After the teeth are manufactured, the quality is assured by checking them with the very latest technology on an M&M Gear Analyzer.

In an effort to continue this growth PAI has slated for delivery in 2005 the very latest fully automated Gleason gear shaper.



Holiday Closing

PAI will close at 12:30 pm on **Friday, December 17th** for our company Holiday luncheon. We will reopen on **Monday, December 20th** at 8:00 am. Please note that our Sales Department must receive all emergency orders by **11:00 am on Friday, Dec. 17th** in order to ship that same day.

In addition, PAI Industries, Inc. will also be closed for the holidays from 5:00 pm on **Thursday, Dec. 23, 2004 until Monday, Jan. 3, 2005 at 8:00am**. Please check your stock levels so that you are covered during this period. In order to allow sufficient time to enter, pack and ship all stock orders prior to closing we must receive your fax orders by **5:00 pm on Monday, Dec. 20th**. All emergency orders must be called in prior to 3:00pm on **Thursday, Dec. 23rd**, in order to obtain same day shipment.

If an emergency arises during this time, we suggest you call Illinois Diesel Parts Center at 800-799-9963 in Chicago, Ill. They have a full inventory of the PAI and Excel product lines. We apologize for any inconvenience this may cause.

Dracula Gives Blood!!!



The **Annual Red Cross Blood Drive** at PAI corporate headquarters was held on Friday, October 29, 2004. It was a complete success! The Red Cross collected a record 29 pints of blood this year from employees, employees spouses, friends and vendors. This was done in only five hours and the Red Cross volunteers were very impressed. PAI is very proud of several employees who are regular donors that have accumulated approximately 100 pints of blood over the years. We would like to send a special thank-you to all of our donors and volunteer coordinators for the time and effort they put into this very important event. The holidays are coming up and this is the time of year when blood is needed the most. If you would like information on having a blood drive at your facility, you may contact the Red Cross at their website : www.redcross.org.

Successful Shows

We have traveled the world to spread our news and had a very successful trip. First you could have found PAI Industries at **Automechanika Trade Show** in **Frankfurt, Germany** back in September. What an awesome response we received from our International Customers and how excited they were to meet us.

In November, we were very busy from **Las Vegas, Nevada to Guadalajara Jalisco, Mexico**. Our time in Las Vegas was not wasted as many distributors, both Domestically and Internationally, stopped by our display to receive the latest brochures and fliers of our product line. We are even starting the process of booking for next years show, November 1-4, 2005! **Look for us there.**



PAI Continues Making More Room

PAI Engineering Department redesign went off without too many hitches. It began with removing the wall that separated the department and brought them into one area adding a few extra cubicle spaces for future use. The renovation has made our Engineering Department more efficient in our quest for quality parts and informative information for you. PAI Industries, Inc. is not stopping yet with additional department redesigns in both the International and Domestic Sales Departments.



During this busy time of year, we want to take time out to say how much we appreciate your business. We look forward to our business relationship this coming year and we want to say thank you.