

Edison W. Taylor

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SUMMARY

Lead Engineer – Automotive Industry. MBA graduate with BSME and nine years of design engineering experience, including Tier One original equipment manufacturer (OEM). Product design engineer in Driver Information (instrument cluster assemblies) and instrument panels for multiple vehicle platforms. Goal-achieving automotive engineer with troubleshooting experience for plant manufacturing units. Expertise in:

- ✓ Product Design and Development
- ✓ Customer Relationship Management
- ✓ Technical Troubleshooting
- ✓ Automotive Engineering
- ✓ Project Management
- ✓ Applications Engineering
- ✓ Automotive Technology
- ✓ Team Communications
- ✓ FMVSSR Compliance

Experienced in instrumentation engineering and multi-tasking projects, with first-hand knowledge of materials, safety and manufacturing challenges. Promoted to project management and customer liaison roles based on team productivity, effective communications and organization skills, and efficient problem solving.

PROFESSIONAL EXPERIENCE

TREBOLD CORP. (NYSE:TB), Novi, MI (corporate headquarters) June 2001-Present
Leading full-service Tier One supplier for automotive manufacturers (automotive systems and automotive aftermarket). 2006 sales revenues: \$37 billion with 102,000 employees in 250 facilities in 35 countries.

Driver Information Lead Engineer (January 2006-Present)
2006-2008 Daimler Chrysler Series M Instrument Cluster, Novi, MI

- **Project Management.** Created and project managed overall timing plans, oversaw project accountability and kept scheduling and performance requirements on track. Led multi-functional team meetings to communicate customer needs and program timing to Mechanical, Electrical, Software and Sub-Systems Departments/engineers. Tracked each team member's progress in meeting customer deliverables on time.

Driver Information Applications Engineer (August-December 2005)
2008 Ford Mustang Instrument Cluster, Novi, MI

- **Project Management.** Selected to liaison with customer in concept development process, leveraging customer requirements and Trebold Product Team (management, technical, sales and finance groups) expertise to deliver most advantageous driver assistance technology and customized style. Resolved open issues impacting tooling manufacturing, and secured approval on all changes before program deadline.
- **Safety Compliance.** Assured 100% gauge cluster compliance with all Federal Motor Vehicle Safety Standards Regulations (FMVSSR), enabling first-generation success for all program deliverables.

Driver Information Product Design Engineer (September 2004-August 2005)
2005 Ford Econoline Van and 2006 Ford Pickup Series Instrument Clusters, Southfield, MI

- **Continuous Improvement Processes.** Led improvement effort in branch assembly plant (Mexico City, Mexico) for cluster appliqué adhesion and performance by collaboratively consulting with on-site engineers, supervisors and managers. Improved design and manufacturing process for existing appliqué backplate assembly press equipment, achieving 50% increase in appliqué adhesion.
- **Value Engineering.** Implemented adhesive cost saving actions on Econoline cluster, improving assembly quality while capturing \$20,000 annually in cost reductions.

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PROFESSIONAL EXPERIENCE

- **Lean Manufacturing.** Recommended and implemented appliqué assembly process conversion from manual to automated assembly in Mexican plant. Eliminated assembly failures due to adhesion issues and improved customer satisfaction with product.
- **Product Development.** Successfully redesigned decorative chrome ring assembly and heat-staking operation to improve end-product robustness, totally eliminating assembly failure during vibration testing, and meeting customer vibration requirements.

Manufacturing and Process Engineer (November 2002-August 2004)

2003 and 2004 Ford Econoline Van Instrument Panels, Pontiac, MI

- **Cost Reductions.** Investigated and initiated 20 cost-saving actions on two assembly lines, including labor reductions, machinery improvements and increases in process efficiency, which reduced expenses by \$500,000 over two-year period. Labor expenses decreased by 13% over less than two years.
- **Ergonomic Improvements.** Resolved ergonomic concerns for all assembly line workers (40 unionized employees), achieving safe workplace with no loss in assembly efficiency (350,000 units per year).
- **Quality Improvements.** Selected by Department Manager to validate and optimize new steel welding tooling for cross-car beam supplier in Arkansas. Resulting new tooling reduced assembly variability by 67%, and increased quality and First Time Through (FTT) metrics at customer assembly plant.
- **Product Development.** Instituted product design changes for Econoline Van instrument panels that increased ease of assembly (worker medical complaints dropped by 75%), reduced complexity, and minimized reported defects at customer locations.

Product Design Engineer (June 2001-October 2002)

2005 Daimler Chrysler Family Entertainment Systems, Detroit, MI

- **Product Design.** Simultaneously delivered two complete new multimedia design concepts on time and on budget for start-up program (customer/supplier relationship existed less than six months). New designs successfully premiered at 2001 Detroit Auto Show.
- **Quality Assurance.** Chosen to inspect four second-tier supplier facilities to ensure accurate tooling, within specifications and on time. Consulted with supplier packaging engineers during packaging testing phase, suggesting improvements to prevent shipping damage to parts and maximize dunnage efficiency.

Prior Career History: HVAC/CAD Designer for New York State Department of Environmental Control from October 2000-May 2001, and for Kimberly Systems (Brooklyn, NY) from October 1999-September 2000. Engineering Assistant for Newtown Design Works (Newton, NY) from January-September 1999.

EDUCATION & TRAINING

Master of Business Administration (GPA 3.75), Michigan State University, East Lansing, MI – May 2006

Bachelor of Science - Mechanical Engineering, Manhattan College, Riverdale, NY – June 2001

Computer Skills: Windows XP, Microsoft Office XP, MS Word, MS Excel, MS PowerPoint, MS Outlook, MS Project, AutoCAD 14, Internet, proprietary software applications for project management, inventory control and tracking, and customer relationship management (CRM).