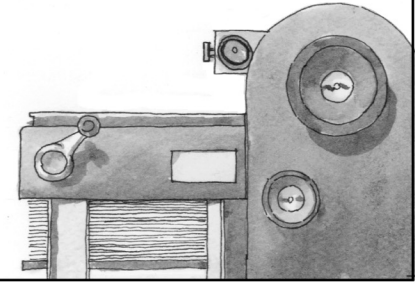


# TDR<sub>Re</sub>PRINT



## TDR INDEX

For the past year I've been compiling an index to complement the previous indexes published since 1997. The latest index references all the topics that you and the members have covered from Issue 36 through Issue 40. I'm sure that if I went back through the magazines again, I'd find some topics or items that should have been included. But like they say . . . hindsight is twenty-twenty.

Just a word about the format: it's pretty straightforward except when it comes to the page number. I've referenced the pages in quadrants, i.e.: 26a-b, 51c, 55d-57a, etc. So the subject matter for page 26a-b is going to be in the Registers' left column, top to bottom. The item for 51c will be in the right column, top half of the page; 55d-57a start in the right column, bottom of the page, and ends at the top left column of page 57, and so on.

It's been interesting to see how some subjects continue to come up issue after issue. And, as you mentioned a long time ago, "same sermon, different preacher" is what makes the TDR always-fascinating reading because of the different perspectives the members bring to the table.

### Clay Maxam Grants Pass, OR

*Thank you so much for your efforts. I'm the guy who writes the magazine and I'm surprised at the amount of "stuff" I can't recall.*

*The previous "Clay Maxam" indexes have proven to be invaluable to me. No doubt they are invaluable to the membership too. The most frequent response to a question is "Did you use your index from Clay Maxam that we published in earlier TDR magazines?" Thanks, again! Robert Patton*

#### Accessories:

- Issue 37, Page 17c-d (Your Story) Writer Joe Donnelly has added a number of accessories to his truck over the years. Here's what works for him.
- Issue 37, Page 18a-d (Your Story) Writer Jim Anderson talks about the advantages of using the exhaust brake as an accessory braking system.
- Issue 38, Page 9d (Letter Exchange) One readers' 'goodies' might give you an idea for your own rig.
- Issue 38, Pages 108a-109d (Ranch Dressing) John Holmes explains what he goes through in outfitting his new ride for the ranch.
- Issue 39, Pages 26a-28d (Technical Topics) In his review of the 2003 RAM, writer Joe Donnelly has reviewed some of the goodies available for the new truck.

#### Additives:

- Issue 40, Page 108b (Idle Clatter) Cummins doesn't recommend any additives except for an anti-gelling agent in cold weather.

#### Adventure Caravans:

- Issue 40, Page 163a-b (Product Showcase) If you're interested in seeing Mexico's West Coast. Here's the way to go.

#### Air Conditioner:

- Issue 38, Page 44a-b (12 Valve Engines) Here's what to do if you have a line that's leaking, along with some other helpful information.

#### Air Conditioner Compressor:

- Issue 38, Page 43c-d (12 Valve Engines) For supply information, check this out.
- Issue 38, Page 44a (12 Valve Engines) A leak in the compressor can be fixed.

#### Air Conditioner Compressor Noise:

- Issue 39, Page 36c (First Generation) Several members have found that the belt tensioner can cause this condition.

#### Air Conditioning Conversion:

- Issue 37, Page 42b-c (First Generation) Converting from R-12 to R134A can be fraught with problems unless it is done properly.

#### Aircraft Instrument Panel:

- Issue 40, Pages 14a-15c (Member2Member) If you want the look of a 747 cockpit in your rig you'll want to read this TDR members story.

#### Air Filtering:

- Issue 37, Pages 26a-28b (Technical Topics) Again, writer Joe Donnelly has provided invaluable information about getting the best performance out of your truck plus protecting it.
- Issue 38, Page 149b (TDRRelease) AFE has a pre-filter that you might want to use to keep the 'big chunks' from getting to the engine.

#### Airflow and Your Engine:

- Issue 37, Pages 26a-32c (Technical Topics) Again, writer Joe Donnelly has provided invaluable information about getting the best performance out of your truck plus protecting it.

#### AirHorn Installation:

- Issue 38, Page 23a-24b (Member 2 Member) This is probably more than a one-beer job, but it can be done (but not inexpensively).

#### Air Horns, Locomotive:

- Issue 40, Page 159c-d (Product Showcase) Rickson Truck Accessories now has two offerings in train type airhorns.

#### Air Intake Kit:

- Issue 40, Page 162d (Product Showcase) AFE has now released their air intake kit for the 2003 Cummins HPCR engine.

#### Airtab:

- Issue 37, Pages 117c-118c (Ranch Dressing) Writer John Holmes tested this new unique product and says that it . . . 'Blew me away.'
- Issue 37, Page 155c-d (TDRRelease) Here's Aeroserve Technologies info on it's Airtab product.
- Issue 38, Page 107b-d (Ranch Dressing) This is a follow up of John's article in the last quarterly issue of the TDR.
- Issue 39, Page 116a (Idle Clatter) Writer Jim Anderson has added these tricky little tabs to his rig and is developing some MPG statistics for us.
- Issue 39, Page 119c-120a (Ranch Dressing) Here's another application for these tabs.

#### Alignment Service:

- Issue 39, Page 10a (Letter Exchange) If your ride needs some front end work and you're in the South Dakota area, try Lindstad's Alignment.

#### Alterations, 2003 Ram:

- Issue 39, Page 51a-d (Third Generation) The new hydroformed frame presents some unique challenges for those making alterations.

#### American Road:

- Issue 39, Pages 107d-108b (Novical Perspective) For someone else's insight as to issues that face drivers, read Ron Khol's trials & tribulations.

#### Anthropomorphism:

- Issue 40, Pages 74a-76c (Motor Minded) Dr. Mark Barnes says that we do this often. If you want to know what he means . . . better read his column.

#### Anti-lock Brake System (ABS):

- Issue 40, Page 53d (12 Valve Engines) A defective anti-lock valve will cause symptoms similar to a defective master cylinder.

#### Antifreeze-Change Procedure:

- Issue 37, Page 8a (Letter Exchange) This tip will save you a lot of blood, sweat, and tears.

#### ATS Tranny:

- Issue 38, Page 56c (Earthroamer.com) Writer Bill has been getting many requests for info on this item.

#### Auction, Car:

- Issue 40, Page 111b-c (Ranch Dressing) One of the "don't miss" auctions that John Holmes attends each year is at Scottsdale, AZ. But another "gotta see it" is Quartzsite, AZ.

#### Automatic Transmission:

- Issue 39, Page 101c (The Shade Tree) Doing performance modifications when using the stock automatic transmission can be hazardous to it's life.

#### Automatic Transmission Shift Problems:

- Issue 37, Page 44d (12 Valve Engines) Temperature of the fluid will affect how the transmission will shift. Also check fluid level.
- Issue 38, Page 103b-d (Idle Clatter) Read this column to learn of the various possible problems related to TPS, PCM, etc.
- Issue 39, Pages 14a-15d (Member 2 Member) Editor Patton has provided an excellent resource for us when the transmission starts to hunt.
- Issue 39, Page 114b-c (Idle Clatter) If your ride is shifting erratically, take a look at these suggestions which may lead you to a fix.

#### Auxiliary Fuel Tank:

- Issue 37, Pages 148a-149d (Product Showcase) If you need extra fuel for those extra long passages, here's a way to haul it.

#### Auxiliary Fuel Transfer Pump:

- Issue 38, Page 150a-b (TDRRelease) Scheid Diesel has come out with a new kit.

## TDR reprint . . . . Continued

### Auxiliary Transmission:

Issue 40, Pages 152a-154d (Product Showcase) Gear Vendors has installed an under/overdrive unit in the "Cannonball Express" show truck. Described by Scott Dalgleish.

### Axle, Front, Low Range Disconnect:

Issue 38, Page 150c-d (TDRRelease) Stevens Machine Shop has come out with a modification that will resolve a backing problem.

### Axle Seal Leak, Rear:

Issue 37, Page 43a (First Generation) Here's a detailed description on how to fix this problem.

### Axle Socket, 4x4 Front:

Issue 37, Page 43b (First Generation) Having the right size socket for the wheel bearing nuts is critical.

### Bad Roads 2000:

Issue 39, Page 87a-b (Blowin' In The Wind) Each year Overdrive magazine does a poll of truckers showing where America's best and worst roads are located.

### Ball Joint:

Issue 39, Page 36a (First Generation) One member feels that this replacement job isn't for the faint of heart.

Issue 40, Page 52d (12 Valve Engines) If you have any "play" in the ball joints then you probably have significant wear.

Issue 40, Page 53a (12 Valve Engines) Undesirable tire wear may be the result of wear in the ball joints.

### Banks Brake:

Issue 39, Pages 148a-150d (Product Showcase) TDR member/writer Scott Dalgleish details the installation of the Banks Brake.

### Banks Power:

Issue 38, Pages 110a-112c (Ranch Dressing) Mr. Holmes has been to Banks. And if you read his column you'll have a whole new outlook.

Issue 39, Page 121a-d (Ranch Dressing) The trials and tribulations of John Holmes volunteering his new truck to be the guinea pig for some new Banks gear has been frustrating but there is good news too. See John's article for the ungarbled gospel.

Issue 40, Page 113a-d (Ranch Dressing) The continuing saga of John Holmes 2002 build-up project. And.....the results of the Banks modifications that have been installed.

### Battery Maintenance:

Issue 40, Page 8c (Letter Exchange) Who would have thought that corn syrup would/could be used to keep your battery looking sharp. Here's how to do it.

### Battery, Starting:

Issue 39, Page 37a-c (First Generation) If you're thinking about adding a 2nd battery to your first generation truck, you might want to check this column out.

### Bearing, Fan Pulley:

Issue 38, Page 36c (First Generation) You may have to go to an outside supplier to get this bearing. If so here's a reference number.

### Bed Liner:

Issue 37, Page 152a-c (TDRRelease) Wise Industries has developed a product they call the BedRug.

### Beetle, Diesel:

Issue 37, Page 4a-c (Tailgating) Here's the story behind the latest edition to the Patton stable of rolling stock.

### Biodiesel:

Issue 38, Page 7a-c (Letter Exchange) Editor Robert responds to a member's request to do an article on this alternative fuel.

### Bleeder, Power:

Issue 39, Page 153a-b (TDRRelease) EGR has a new product out that will help bleed the brake and clutch system lines without the help of another person, body, wife, etc.

### Block Heater:

Issue 40, Pages 54d-55a (12 Valve Engines) Failure of the heater can be checked using an ohmmeter.

### Block Heater Coolant Leak:

Issue 40, Page 44b-c (First Generation) If your 1<sup>st</sup> gen truck is leaking coolant from the block heater, this may be a fix for it.

### Brake Backfire:

Issue 37, Page 136c-d (Backfire) The new (2003) Dodge Ram HD will have the largest brakes in its class.

### Brake Hoses:

Issue 37, Page 150a-b (TDRRelease) EGR-Severe Service Brakes offers its new Kevlar braided stainless steel brake line kits.

### Brake Lines:

Issue 38, Page 59b-d (EarthRoamer.com) Another upgrade for writer Bill Swail's ride has been the installation of EGR Stainless Steel lines.

### Brake Master Cylinder:

Issue 40, Page 46a-c (First Generation) If you're having brake problems, check out the suggestions here for a possible fix.

### Brake Rotor Replacement:

Issue 40, Pages 16a-18c (Member2Member) Writer Jim Anderson provides a detailed review of what was involved in this project on his truck.

### Braking Systems:

Issue 40, Pages 96a-101d (TDRReview) TDR writer James Walker has given us a column about braking systems in plain English.

### Bullbar:

Issue 39, Pages 62b-63a (Earthroamer.com) Installation of the Ute product is described in Bill's column.

Issue 40, Page 162a-b (Product Showcase) ARB has a new unit available to give your truck that macho look.

### Bumper/Grill Inserts:

Issue 38, Page 149a (TDRRelease) Here's another dress-up item for your ride.

### Bumper Replacement:

Issue 39, Pages 16a-17b (Member2Member) For that really 'stout bumper' look, you might want to consider the ARB Sahara Bar.

Issue 40, Pages 12a-13d (Member2Member) Denver Off Road provides one that's "hell for stout" but it isn't inexpensive.

### Bumper Stickers:

Issue 38, Page 112c (Ranch Dressing) For an instant belly laugh, check out the latest stickers as seen by John Holmes at his 'day job'.

### Buy-Back Experience:

Issue 37, Page 8c-d (Letter Exchange) One mans experience with a 'buy back' that has been very positive.

### Buyer Experience, New:

Issue 38, Pages 90a-93b (Novical Perspective) WOW.....this guy Brian Rogers has done us all a big favor by documenting his buying experience.

### Buyers Guide:

Issue 39, Page 140a-d (Backfire) A confusing issue regarding the fuel prefilter was cleared up by an alert member who put our editor on the spot to clarify a discrepancy in an article that Mr. Patton had written in his "Buyers Guide", TDR issue #34.

### Cab Water Heater Valve:

Issue 40, Page 48a (First Generation) If the cab water heater valve is leaking, read this item for a suggestion as to a fix.

### Camper Repair:

Issue 38, Page 56a-b (Earthroamer.com) Writer and long haul traveler Bill Swails talks about making repairs to his' crunched camper in the Canyonlands National Park.

### Cam-Less Engines:

Issue 39, Page 84a-b (Blowin' In The Wind) Editor Patton brings us up to date on this new engine concept.

### Camshaft:

Issue 37, Pages 30d-32c (Technical Topics) This is a sub-heading of the article entitled 'Airflow and Your Engine' by Joe Donnelly.

### Canyonlands National Park:

Issue 37, Pages 62a-68b (Earthroamer.com) WOW . . . this is an 'up close and personal' look at this magnificent park through the eyes and camera lens of Bill Swails in that awesome RAM of his.

### Cargo Carrier:

Issue 37, Page 152c (TDRRelease) Let's Go Aero has introduced the new Triple-Play platform carrier.

### Carpet Changes:

Issue 37, Pages 108a-111c (Celebrity Corner) TV Celebrity Sam Mammolo has provided a step-by-step procedure on how to replace your trucks rug.

### Changes for 2003:

Issue 38, Page 101d (Idle Clatter) Jim Anderson has enumerated the things he likes about the new truck.

### Chapter Activities:

Issue 38, Pages 128a-129d (Chapter News) Look here to see who's doing what and where.

### Charging System, Electrical:

Issue 39, Page 42b-d (12 Valve Engines) You can spend a lot of money before finding problems in this area. Here are some great suggestions that may save those hard-earned bucks.

### Check Engine Indicator:

Issue 38, Pages 106a-107a (Ranch Dressing) Ohhhh Boyyyy . . . Mr. John Holmes has buried us in acronyms. But you'll want to read his column because it sheds 'light' on the indicator light.

### Chrysler:

Issue 37, Page 81c (Blowin' In The Wind) Profits are up.

### Chrysler Group Strategy:

Issue 38, Page 75a-b (Blowin' In The Wind) Here is more info regarding the strategy DC plans to use to capture market share.

### Chrysler, Walt:

Issue 40, Pages 144a-146d (Chalkdust From The Schoolhouse Floor) TDR writer Bill Millard has provided some significant history about they dynamic Mr. Chrysler.

### Chuffing, Turbocharger:

Issue 40, Page 63a-b (Third Generation) Like RPM flare, this too is a normal condition for the Third Generation truck.

### CIPA Mirrors:

Issue 38, Page 56d (EarthRoamer.com) For those of us who pull a trailer or haul a camper then these mirrors will be a great addition to our rig.

### Clutches For Sled Pulling:

Issue 38, Pages 24c-25d (Member 2 Member) Well for those of you who are into this kind of competition, here's some solid information.

### Clutch, Fan:

Issue 39, Page 101d (The Shade Tree) Tests by Joe Donnelly indicate that the stock fan clutch is not the power robber we previously thought it was.

### Clutch Life:

Issue 38, Pages 140a-141d (From The Shop Floor) Andre Pyfer of South Bend Clutch, Inc. has provided a very comprehensive trouble shooting guide for short clutch life.

### Clutch, Stock:

Issue 39, Page 101c (The Shade Tree) If you increase the horse power on your ride and you're using the stock clutch you may want to read this information.

### Columbus Nationals:

Issue 38, Pages 52a-54d (Four Whaling) For a run-down of the good stuff that happened at Columbus this year, see Greg's article.

### Combustion Cycle:

Issue 38, Pages 156a-157b (Exhaust Note) Want to know what's going on inside that piston chamber? Check out Kevin Cameron's column.

### Common Rail Injection:

Issue 37, Pages 74a-79d (Blowin' In The Wind) Not all of this article by Editor Patton is about the new engine but you will gain some insight here.

Issue 37, Pages 112c-113a (Idle Clatter) Writer Jim Anderson has a thought or two on this new technology.

### Competition, TDR Member:

Issue 39, Page 144a-c (Turbo Diesel Motorsports) Here's a listing of members who compete in various events and how they placed in their event.

Issue 39, Page 144c (Turbo Diesel Motorsports) If you plan to compete, here's some information you need to know.

### Conversion, Transmission-NV4500 to NV5600:

Issue 38, Pages 15a-17c (Member 2 Member) This probably isn't a job for the faint of heart but it can be done.

### Converter, Torque:

Issue 37, Page 57a-b (EarthRoamer.com) Earthroamer now has a TripleLok torque converter and writer Bill Swails is very positive about the performance of this system.

## TDR Reprint . . . . Continued

### Cracked Block-24V Engines:

Issue 40, Page 62a-c (24 Valve Engines) If your engine has a casting block number of "53" you may want to check and see if the block is cracked.

### Crack Under Passenger Seat:

Issue 40, Page 47b (First Generation) Here's a heads up about a situation where some passenger seat hinges were found to be cracked and in one case it had even caused a stress crack into the floor.

### Crankcase Vent Relocation Kit:

Issue 37, Page 150c-d (TDRRelease) Here's a kit that will keep vented engine oil vapor residue from adhering to the fan, front of the engine and the suspension .

### Crankshaft Position Sensor:

Issue 37, Page 48a-b (24 Valve Engines) Problems with this member's truck led the dealer to mistakenly replace the PCM. The problem was fixed with the replacement of the crankshaft position sensor.

### Crater Lake National Park:

Issue 39, Page 65a (Earthroamer.com) Read about Bill Swails trip to this beautiful park.

### Crew Cab:

Issue 39, Pages 30a-32d (First Generation) TDR Member Mark McGiven takes us through the step by step transition of his '92 RAM from two door to four door crew cab. Nice rig Mark!!

### Cruise Control:

Issue 37, Page 45b (12 Valve Engines) If your cruise control stops working, here's a place to look for the trouble.

Issue 38, Page 148c-d (TDRRelease) There is a potential for damage to your cruise unit if battery acid gets to it. Plug It Right has a shield for you.

Issue 39, Page 43c-d (12 Valve Engines) An erratic cruise control can be caused by several problems. Here's a list to check.

### Cruise Control, Pre '94:

Issue 38, Page 41b-d (First Generation) Oddities in when and how this feature is working are discussed and some potential trouble areas to look at.

### Cubby Hole Plate:

Issue 37, Page 156c (TDRRelease) This black plastic plate can be used in the '99-'02 trucks that do not have heated seats. It can be used for mounting a variety of gauges, switches, LED's, etc.

### Cummins:

Issue 37, Page 81d (Blowin' In The Wind) Profits are down.

Issue 37, Pages 92a-93d (TDRReview) Writer Donald Mallinson provides an interview with CMEP plant manager John W. Kessler.

Issue 37, Pages 94a-95d (TDRReview) Take a tour of the CMEP with writer Donald Mallinson.

Issue 37, Page 155b (TDRRelease) Cummins has a new web site that is designed to enable an exchange of information.

### Cummins Alphabet Soup:

Issue 40, Page 114c-d (Polly's Pickup) Polly has given us a run down on the less than creative engine nomenclature from the folks at Cummins.

### Cummins/Dodge Shops Recommended:

Issue 38, Page 99d (Idle Clatter) JT Diesel Truck Service, Santee, California.

Issue 39, Page 10a (Letter Exchange) If your ride needs some front end work and you're in the South Dakota area, try Lindstad's Alignment.

Issue 39, Page 116d (Idle Clatter) TST Products in Columbus, In.

### Cummins Rocky Mountain, Truck Fest 2002:

Issue 38, Pages 66a-67c (EarthRoamer.com) Writer Bill Swails gives us a run down of activities at the 2002 event.

### Cummins Show:

Issue 40, Pages 103a-104b (Celebrity Corner) Sam Memmolo and Cummins' Dave McBride take a look inside the new Cummins Engine.

### Cummins Survey:

Issue 38, Page 8a-d (Letter Exchange) If you get a survey request from the Cummins Engine Company, here's a good reason to respond to it.

### Cupholder, 2003:

Issue 40, Page 28a-d (Turbo Tips) Andy Bishop of Geno's Garage says that cupholders for the 2003 truck isn't going to be available for some time, if ever. Sooooo.....Andy has made his own. Read how he did it.

### Customer Service:

Issue 39, Page 118a-b (Ranch Dressing) As far as John Holmes is concerned, some of the "after market" crowd have a lot of catching up to do when it comes to service.

### Custom Towing Bed:

Issue 39, Page 153c-d (TDRRelease) B & W may have just what you're looking for in a custom towing bed.

### Cutting Out:

Issue 37, Page 40a (First Generation) If you're First Gen truck engine is cutting out at times, take a look at what these members did to fix it.

### Cycle, Combustion:

Issue 38, Pages 156a-157b (Exhaust Note) Want to know what's going on inside that piston chamber? Check out Kevin Cameron's column.

### Dash Trim Removal:

Issue 39, Page 36d (First Generation) If yours' is a first generation truck and you need to remove the dash trim, here's how it can be done.

### Diesel: A Flash In The Pan:

Issue 40, Pages 94c-95b (Blowin' In The Wind) Emissions is going to be the culprit that results in fewer diesel offerings over the next few years.

### Diesel Beetle:

Issue 37, Page 4a-c (Tailgating) Here's the story behind the latest addition to the Patton's stable of rolling stock.

### Diesel Diagnostics:

Issue 40, Page 107b (Idle Clatter) Writer Jim Anderson shares some experiences that his favorite shop (City Diesel in Knoxville, TN) recently had.

### Diesel Dragster:

Issue 40, Pages 88a-89d (Your Story) TDR member Scott Bentz tells us how he happened to develop this hot mode of transportation.

### Diesel Exhaust Emissions:

Issue 40, Pages 32a-40c (Technical Topics) Everything you ever wanted to know about this subject has probably been discussed in Robert's article.

### Diesel Extravaganza 2002:

Issue 38, Pages 130a-131c (Chapter News) Donald Mallinson has provided a review of the Scheid Diesel Extravaganza 2002.

### Diesel Hot Rod Association (DHRA):

Issue 40, Pages 140a-142d (Turbo Diesel Motorsports) Eric McBride has presented some interesting information about this new racing venue.

### Dieseling In Diesel's Homeland:

Issue 39, Pages 54a-58c (Four Whaling) Here's an interesting article by Greg Whale that will give you a different perspective on diesels. He reviews the Saab 9-5 model.

### Diesel, Jeep:

Issue 38, Page 76c-d (Blowin' In The Wind) Whoaaa! Take a look at this column for a thought on what the future may hold.

Issue 40, Page 92a-c (Blowin' In The Wind) Here's more on the issue of the diesel Jeep.

Issue 40, Page 94a-b (Blowin' In The Wind) Well it looks like the diesel Jeep may not be around beyond 2007 due to emissions requirements.

### Diesel Motorcycle:

Issue 39, Pages 80a-81c (Your Story) You may never see one on the street but here in the TDR is your opportunity to read about a 'live' one.

### Diesel Politics:

Issue 39, Pages 160a-161c (Exhaust Note) Writer Kevin Cameron provides an informative article addressing some sticky issues related to the maturation of the diesel engine.

Issue 40, Page 112c (Ranch Dressing) TDR writer John Holmes has a comment on the problems our diesel manufacturers face in the coming years.

### Diesel Power In The USA:

Issue 38, Pages 28a-33c (Technical Topics) Editor Patton provides a very comprehensive article contrasting the use of diesel power in the USA to it's use in Europe.

Issue 39, Pages 84d-86b (Blowin' In The Wind) Here's a follow up on the issue 38 article by Robert Patton.

Issue 40, Pages 168a-169c (Exhaust Note) Writer Kevin Cameron has some thoughts on this issue too.

### Diesels In The Desert:

Issue 37, Pages 138a-141c (Chapter News) This is a recap of the Pahrump event held in May.

Issue 39, Page 122b (Ranch Dressing) John Holmes suggests attending this event if you can.

Issue 39, Page 123a-c (Polly's Pickup) For a different perspective on this event, read Polly's review.

### Diesel VW:

Issue 40, Page 92d (Blowin' In The Wind) Volkswagon is going to make more diesel VW's available in the coming model years.

### Differential Cover:

Issue 37, Pages 116d-117a (Ranch Dressing) Writer John Holmes has some suggestions on replacing the stock covers with the new Mag-Hytec.

Issue 39, Page 119b (Ranch Dressing) From John Holmes comes word that there is a fix which allows the Mag-Hytec front differential cover to vent on those rigs (2002 model year) where the front axle is in the way.

### Differential Shims, Rear:

Issue 40, Page 43a-d (First Generation) A number of TDR members have had problems with these shims on their 1<sup>st</sup> generation trucks.

### Displacement:

Issue 39, Pages 72a-76d (Motor Minded) Dr. Barnes tells us he's not talking about cubic inches in his article this quarter.

### Display, Overhead Console:

Issue 40, Page 64b (Third Generation) Little glitches seem to be showing up in the display 3<sup>rd</sup> generation trucks.

### Dodge Big Trucks:

Issue 39, Page 86b-c (Blowin' In The Wind) Rumor has it that Dodge may once again be exploring production of the medium duty truck.

### Dodge/Cummins Shops Recommended:

Issue 38, Page 99d (Idle Clatter) JT Diesel Truck Service, Santee, California.

Issue 39, Page 10a (Letter Exchange) If your ride needs some front end work and you're in the South Dakota area, try Lindstad's Alignment.

Issue 39, Page 116d (Idle Clatter) TST Products in Columbus, In.

### Dodge Truck, Uncommon:

Issue 40, Pages 118a-121c (Miscellaneous RAMblings) Dodge truck historian Donn Bunn has a story about a one of a kind truck being restored. It's a 1919 Dodge truck.

### Door, Sagging:

Issue 37, Page 40c-d (First Generation) There are replacement parts to fix this problem. Listed is the part number and some other suggestions too.

### Door Sill Plates:

Issue 37, Page 40c (First Generation) TDR member suggests that these are available from the dealer.

### Dowel Pin Problem:

Issue 37, Page 16d (Your Story) This nasty little pin has the potential to cost you big bucks if it falls into your engine. Here's how to fix it.

Issue 37, Page 42a-b (First Generation) The KDP is an issue on some of the first generation trucks. Issue 38, Pages 136a-139c (From The Shop Floor) Christopher Timochko of Auto Wurks Diesel outlines the solution for killing the killer dowel pin.

Issue 40, Pages 56a-58d (12 Valve Engines) Writers Jim Anderson & Joe Donnelly team up to provide the latest information on this troubling issue.

Issue 40, Pages 148a-150d (From The Shop Floor) And still more on the dowel pin issue.

### Drain Plug, Oil:

Issue 40, Page 55b-c (12 Valve Engines) Here's a few ideas if you're having trouble with the plug.

### Driving Lights:

Issue 39, Page 63b-c (Earthroamer.com) Earthroamer now sports a pair of Hella HID driving lights.

### Drum Brakes:

Issue 38, Page 35c-d (First Generation) Replacement of the standard shoe can be done with the 3 inch shoe but it takes some minor changes.

### Dyn-O-Mat:

Issue 38, Page 149d (TDRRelease) The ol' garage floor can look spiffy as ever if this item is kept in place.

## TDR reprint . . . . Continued

### EarthRoamer:

- Issue 38, Page 56a-b (Earthroamer.com) Writer and long haul traveler Bill Swails talks about making repairs to his 'crunched camper' in the Canyonlands National Park.
- Issue 39, Pages 60c-64d (Earthroamer.com) Bill Swails discusses a number of upgrades he's added to his 'super camper'.
- Issue 40, Pages 80a-86d (Earthroamer.com) By now most TDR readers are aware that writer Bill Swails is building ER2K (i.e. Earthroamer #2 for the millenium generation). In his Issue 40 column he's summarized how it all began and what's upcoming.

### Editing & Proof-reading:

- Issue 38, Pages 104d-105d (Idle Clatter) Writer/Traveler Jim Anderson introduces the folks that help make the TDR the excellent publication that we receive each quarter.

### EGR (Exhaust Gas Recirculation):

- Issue 37, Pages 74a-79d (Blowin' In The Wind) This is a term (EGR) that has significant implications for engine manufacturers and truck owners.

### EGT (Exhaust Gas Temperature):

- Issue 37, Page 56c-d (Earthroamer.com) Placement of the EGT probe is going to make a difference as to what temperature you're going to see.

### Electrical Problem:

- Issue 39, Page 33c-d (First Generation) Sometimes the most inconspicuous situation can cause electrical problems. Check this out.

### Emergency Driving:

- Issue 39, Page 124a (Polly's Pickup) Polly Holmes makes an excellent point about having our life partner know how to handle the rig in an emergency situation.

### Emissions:

- Issue 37, Pages 160a-161d (Exhaust Note) Writer Kevin Cameron discusses the current thinking on 'Burning It All Up'.
- Issue 40, Pages 94c-95b (Blowin' In The Wind) Emissions is going to be the culprit that results in fewer diesel offerings over the next few years.
- Issue 40, Page 95b-d (Blowin' In The Wind) And here's even more on the problem.

### Emissions, Diesel Exhaust:

- Issue 40, Pages 32a-40c (Technical Topics) Everything you ever wanted to know about this subject has probably been discussed in Roberts article.

### Engine Basics 101:

- Issue 40, Page 29a-d (Turbo Tips) If you want to "see" what goes on inside your Cummins engine, be sure to catch the Cummins display at various shows around the U.S.

### Engine, Cutting Out:

- Issue 37, Page 40a (First Generation) If you're First Generation truck engine is cutting out at times, take a look at what these members did to fix it.

### Engine Dress Up Accessory:

- Issue 40, Page 160b-d (Product Showcase) Moore Power Coatings is producing a replacement pipe for the silencer between the turbo elbow and the air cleaner elbow.

### Engine Idle Adjustment:

- Issue 39, Page 40d (12 Valve Engines) Here are a couple of suggestions if your engine will not idle at the proper speed.

### Engine, ISB:

- Issue 39, Page 141a (Backfire) A sharp eyed reader points out that the Dodge Dakota does not have an ISB engine.

### Engine Noise:

- Issue 38, Pages 48a-49d (Third Generation) The new 2003 models are going to be significantly quieter than their predecessors.

### Engine Oil:

- Issue 40, Page 159a-b (Product Showcase) Valvoline now produces Premium Blue Synthetic.

### Engine Retrofit:

- Issue 37, Page 38a-c (First Generation) As member Bill Babcock says this is not a project for the faint-of-heart. But owners of first generation trucks now know it can be done.

### Engine, Third Generation:

- Issue 37, Pages 50a-52c (Third Generation) Editor Patton has provided the latest information on the new 2003 Cummins engine.

### Enhanced Fueling:

- Issue 39, Page 113b-c (Idle Clatter) Newer trucks with "turned up" fueling seem to be having significant equipment failures.

### Entertainment:

- Issue 40, Pages 76d-78d (Motor Minded) Editor Patton is speculating on adding a new feature to the TDR. It's a resume' of the "dumb" things we do but can still laugh about.

### Events:

- Issue 37, Pages 122a-126d (Out Standing In The Field) Here's a rundown of activities that are taking place this quarter.
- Issue 38, Page 4b (Tailgating) Editor Patton outlines the plan for the new year entitled Turbo Tech 2003.
- Issue 38, Pages 116a-117d (Out Standing In The Field) Joe Donnelly has listed a run-down of the upcoming events and a resume' of some that have since passed.
- Issue 38, Pages 130a-131c (Chapter News) Donald Mallinson has provided a review of the Scheid Diesel Extravaganza 2002.
- Issue 39, Pages 130a-131d (Outstanding In The Field) Here's a run down of more of the events that will be taking place in 2003.

### Exhaust:

- Issue 38, Pages 146a-147c (Product Showcase) Scott Dalglish reviews the Magnaflow Performance Exhaust system.

### Exhaust Brake:

- Issue 37, Page 18a-d (Your Story) Writer Jim Anderson talks about the advantages of using this accessory.
- Issue 37, Page 116c (Ranch Dressing) Banks is coming out with an exhaust brake using a different design concept.
- Issue 39, Pages 148a-150d (Product Showcase) TDR member/writer Scott Dalglish details the installation of the Banks Brake.
- Issue 40, Page 104, (Celebrity Corner) The Cummins exhaust brake gets a little print space here in Sam Mermolo's column.
- Issue 40, Page 158a-d (Product Showcase) Pacbrake has a new unit out for the 2003 models.
- Issue 40, Page 160a-c (Product Showcase) Cummins also has a new brake for 2003 models.

### Exhaust Brake Switch:

- Issue 40, Pages 10d-11c (Member2Member) Locating the many switches that we TDR members sometimes need can be a problem. Here's how one member solved the issue.

### Exhaust Emissions, Diesel:

- Issue 40, Pages 32a-40c (Technical Topics) Everything you ever wanted to know about this subject has probably been discussed in Roberts article.

### Exhaust Gas Recirculation (EGR):

- Issue 37, Pages 74a-79d (Blowin' In The Wind) This is a term (EGR) that has significant implications for engine manufacturers and truck owners.

### Exhaust Gas Temperature (EGT):

- Issue 37, Page 56c-d (Earthroamer.com) Placement of the EGT probe is going to make a difference as to what temperature you're going to see.
- Issue 39, Page 119a (Ranch Dressing) John Holmes has done a study on the range of heat differences before and after the turbo. Check it out. You'll be surprised.

### Exhaust Manifold:

- Issue 37, Pages 16d-17a (Your Story) If you've 'upped' the power, you may want to consider beefing up the exhaust manifold too. Here's why.
- Issue 37, Page 29c (Technical Topics) This is a sub-heading of the article entitled 'Airflow and Your Engine' by Joe Donnelly.
- Issue 37, Page 56b-c (Earthroamer.com) Writer Bill Swails finds a problem that is apparently not uncommon on the Ram diesel.
- Issue 39, Page 101a-c (The Shade Tree) Joe Donnelly suggests replacing the manifold for a couple of very good reasons.....they are not very strong and tend to fail.

### Exhaust System:

- Issue 37, Page 156a (TDRelease) Banks has introduced it's four-inch stainless exhaust system.
- Issue 39, Page 152a-b (TDRelease) Here's more info on the Banks 4" system.

### Fan Clutch:

- Issue 39, Page 101d (The Shade Tree) Tests by Joe Donnelly indicate that the stock fan clutch is not the power robber we previously thought it was.

### Fan Nut:

- Issue 40, Page 42b-c (First Generation) NO.....this isn't about Rock Band enthusiasts. If you need to know what size wrench is required to remove the nut on the fan of a 1<sup>st</sup> gen truck, check out this information.

### Fan Pulley Bearing:

- Issue 38, Page 46c (First Generation) You may have to go to an outside supplier to get this bearing. If so here's a reference number.

### Filter, Fuel:

- Issue 37, Page 46b (12 Valve Engines) Where to put the square shaped 'O' ring when replacing the filter is answered here.
- Issue 37, Page 49c (24 Valve Engines) Will replacement of the fuel filter improve your trucks MPG?

### Filter Priming:

- Issue 38, Page 12a-b (Turbo Tips) If you change your own fuel filter you may want to check out this technique to save yourself some problems.

### First Generation Owner:

- Issue 40, Page 48b (First Generation) If you're a new "First Generation" owner, you might be interested in what to expect maintenance wise, as listed in this post from the web site.

### First Generation Tips:

- Issue 39, Pages 34a-35b (First Generation) If you are a new owner with a first generation truck, boy is this a column for you.

### First Time Buyer:

- Issue 37, Pages 98a-102d (Novical Perspective) Read this article for a blow-by-blow account of a first times buyer's experience.

### Floorboards, Wet:

- Issue 40, Page 47b-c (First Generation) You'll find some suggestions here on where to look for leaks if you have damp or wet floorboards.

### Ford:

- Issue 37, Pages 80d-81b (Blowin' In The Wind) Ford is trimming the options available in their line of trucks.
- Issue 38, Page 10a-d (Letter Exchange) A former Dodge owner explains his reasoning for moving to the Ford diesel.
- Issue 38, Page 75c-d (Blowin' In The Wind) Check out this column for an update on the Ford V6 & V8 Diesel.
- Issue 38, Page 76b (Blowin' In The Wind) More on Ford and the Super Duty line.
- Issue 38, Page 100a-c (Idle Clatter) Jim Anderson tells us about a FORD that is going to have a Cummins engine. It's a project truck!!
- Issue 39, Pages 116c-117c (Idle Clatter) Writer Jim Anderson not only helps us Dodge boys but he's done more than a few favors for the guys wearing Brand F.

### Ford PowerStroke:

- Issue 37, Page 80d (Blowin' In The Wind) Some numbers from Ford.
- Issue 39, Pages 96a-97d (TDR reprint) Editor Patton has put together a summary of the new Ford 6.0 liter diesel as viewed by three current publications.

### Ford V6 Diesel:

- Issue 39, Page 84c (Blowin' In The Wind) In a word, 'CANCELLED' is what Editor Patton says regarding this new engine from Brand F.

### Four x Four Issues:

- Issue 37, Pages 12a-13a (Member2Member) This article outlines a 'Two-Wheel-Low' modification that will provide controllable power and torque.
- Issue 40, Page 111c (Ranch Dressing) If your 4x4 sits too high for towing your 5<sup>th</sup> wheel trailer properly then you might want to get Mopar's kit to lower your rig.

### Four Wheel Drive - NOT!!

- Issue 39, Page 40d (12Valve Engines) If your rig doesn't shift into four wheel drive, there are some checks to be done to verify if the shift collar is functioning properly.

### Frequently Asked Questions:

- Issue 40, Page 68a-d (Third Generation) For prospective 3<sup>rd</sup> generation truck owners, here is a list of FAQ's that might have some answers for you.

### Front Axle Low Range Disconnect:

- Issue 38, Page 150c-d (TDRelease) Stevens Machine Shop has come out with a modification that will resolve a backing problem.

### Front Axle Maintenance:

- Issue 39, Pages 146a-147d (From The Shop Floor) Dan Guarino of the Quad 4x4 shop details all those things we need to be aware of when it comes to front axle maintenance.

### Front Axle U-Joint:

- Issue 39, Page 42a (12 Valve Engines) If you need to replace the U-joint, you may want to read these suggestions first.

## TDR reprint . . . . Continued

### Front End:

Issue 39, Page 120a (Ranch Dressing) As a follow up on changing caster in a positive direction John Holmes reports that all is going well. (See "Ranch Dressing" in Issue 34).

### Fuel:

Issue 37, Page 80b-c (Blowin' In The Wind) Chevron is touting a new blend of fuel that they claim will lower the NOx factor.

### Fuel Filter:

Issue 37, Page 46b (12 Valve Engines) Where to put the square shaped 'O' ring when replacing the filter is answered here.

Issue 37, Page 49c (24 Valve Engines) Will replacement of the fuel filter improve your trucks MPG?  
Issue 37, Page 113b (Idle Clatter) Want to save over \$2,000.00? Read this item from writer Jim Anderson.

### Fuel Filter Change:

Issue 39, Page 38a-b (First Generation) If you are contemplating changing the filter for the first time, here are some tips to help.

### Fuel Filter Priming:

Issue 38, Page 12a-b (Turbo Tips) If you change your own fuel filter you may want to check out this technique to save yourself some problems.

### Fuel Gauge Problems:

Issue 39, Page 38b-c (First Generation) Depending on your ride, there are a couple of methods of replacing the sender.

### Fuel Gauge Sending Unit:

Issue 37, Page 45a (12 Valve Engines) There are two ways to access this unit. Either lift bed or drop the tank. Both methods have pro's & con's.

### Fuel Gelling:

Issue 39, Page 114a (Idle Clatter) Fuel Gelling can be avoided by using additives that are available at most truck stops.

### Fuel Heater:

Issue 39, Page 40a-b (12 Valve Engines) Potential problem(s) can develop with the fuel heater and/or the temperature sensor.

### Fuel Heater, Testing:

Issue 39, Page 40c (12 Valve Engines) If you want to test the functionality of the fuel heater, here's a method for doing it.

### Fuel Injection Pump, VE:

Issue 40, Page 50a-d (First Generation) If you need to loosen the 13mm nut on the pump you might want to fabricate this wrench combination to do the job.

### Fueling, Enhanced:

Issue 39, Page 113b-c (Idle Clatter) Newer trucks with "turned up" fueling seem to be having significant equipment failures.

### Fuel Mileage:

Issue 39, Pages 112d-113a (Idle Clatter) In response to the question concerning this on going issue, writer Jim Anderson outlines why some folks get better mileage than others.

### Fuel Leak:

Issue 38, Page 99c (Idle Clatter) Locating a leak can sometimes be difficult. Here's a neat trick that Jim Anderson recently picked up that will help you find it.

### Fuel Overflow Valve:

Issue 39, Page 116b-c (Idle Clatter) Failure of this valve can be difficult to diagnose as one of the TDR members found out with help from Jim Anderson

### Fuel Prefilter:

Issue 39, Page 140a-d (Backfire) A confusing issue regarding the fuel prefilter was cleared up by an alert member who put our Editor on the spot to clarify a discrepancy in an article that Mr. Patton had written in his "Buyers Guide" in TDR issue # 34.

### Fuel Pressure:

Issue 40, Page 65a-b (Third Generation) For 3rd generation trucks, the pressure isn't the critical item. It's the flow quantity that's important.

### Fuel Pressure Gauges:

Issue 37, Page 8b (Letter Exchange) The addition of these gauges will help isolate fuel problems.  
Issue 39, Page 120b (Ranch Dressing) A new and improved method of installation of this gauge (developed by John Holmes and Jim Anderson) is now available from Geno's Garage.

Issue 39, Page 120b-c (Ranch Dressing) John also has a trick new location for the meter. See what his approach was in this article.

### Fuel Prices:

Issue 37, Page 80a-b (Blowin' In The Wind) Not since issue 29 has our Editor provided this useful resource.

Issue 38, Page 86d (Blowin' In The Wind) This is a listing of prices that were current as of December 17, 2002.

Issue 40, Page 93c-d (Blowin' In The Wind) Here's the latest TDR update on fuel prices across the country.

### Fuel Priming:

Issue 40, Page 65b-c (Third Generation) On 3<sup>rd</sup> generation trucks the lift pump can be used for fuel priming.

### Fuel Screen:

Issue 38, Page 45d (12 Valve Engines) A loss of power may be the result of a clogged fuel screen.

### Fuel System-2003:

Issue 40, Page 110c-111a (Ranch Dressing) The 3<sup>rd</sup> generation trucks sport a new fuel delivery system.

### Fuel Tank, Auxiliary:

Issue 37, Pages 148a-149d (Product Showcase) If you need extra fuel for those extra long 'passages', here's a way to haul it.

### Fuel Taxes:

Issue 38, Page 99a-b (Idle Clatter) Jim Anderson provides a good argument for installing an auxiliary fuel tank if you plan to do much traveling.

Issue 40, Page 93a-b (Blowin' In The Wind) As of this issue of TDR, Georgia has the lowest fuel tax of all the states.

### Fuel Transfer Pump, Auxiliary:

Issue 38, Page 150a-b (TDRelease) Scheid Diesel has come out with a new kit.

### Fuel, Ultra-Low Sulfur:

Issue 38, Page 70d (Blowin' In The Wind) This fuel is now available in the California, and must, by year 2006, be at all fuel stops nationwide.

### Gaskets, Thermostat:

Issue 37, Page 45c (12 Valve Engines) If you need to replace these gaskets, here are the part numbers and a diagram of how to do change them.

### Gasoline In The Diesel:

Issue 39, Page 114a (Idle Clatter) Here's what to do in the event that you fill your fuel tank with gasoline.  
Issue 39, Pages 138a-139d (The Way We Were) Engineer Brian Kmetz provides an out-standing article on why we would never want to intentionally mix gas & diesel.

### Gauges:

Issue 37, Pages 18d & 22a (Your Story) Writer Jim Anderson talks about the installation and advantages of using gauges to monitor temps and boost.

Issue 37, Page 155a (TDRelease) Well, it isn't a gauge but it does the same thing. It's BD's new X-Monitor.

Issue 38, Page 63d (EarthRoamer.com) Writer Bill Swails pays a visit to the AutoMeter Gauge Company.

Issue 39, Page 152c-d (TDRelease) If it's digital gauges you're looking for, here's the latest.

Issue 39, Page 154b (TDRelease) A new multifunctional digital gauge from Bully Dog Technologies can be used to monitor several critical functions.

### Gauges, Check Warning Light:

Issue 39, Page 17c-d (Member 2 Member) If you ever get the 'Check Gauges' warning light, here's some information that might help.

### Gearing and Gear Ratios:

Issue 37, Pages 142a-143d (From The Shop Floor) Gary MacFadyen at West Coast Differentials has provided an excellent article in this issue.

### Gear Shift Lever Overdrive Switch:

Issue 37, Pages 38d-39c (First Generation) This is a step by step procedure for owners of first generation trucks that want to mount the O/D switch on the gear shift.

### Gelling, Fuel:

Issue 39, Page 114a (Idle Clatter) Fuel Gelling can be avoided by using additives that are available at most truck stops.

### General Motors:

Issue 38, Page 76a (Blowin' In The Wind) Here's some news from the GM front regarding their plans for some GM diesel products.

### Generation Three:

Issue 38, Pages 50a-51d (Four Whaling) Greg gives us a pretty comprehensive review of the upcoming 2003 models.

### Generation Four:

Issue 37, Pages 54a-55d (Four Whaling) Writer Gregg Whale has given us a glimpse into the future of the RAM truck, albeit as seen through the bottom of his crystal fluid container.

### Getrag Lubricant:

Issue 37, Page 40b (First Generation) If you're not sure which one to use, check the owners manual.

### Getrag Oil Change:

Issue 40, Page 45d (First Generation) If you plan to change the lubricant, here's a suggestion that will help maintain the life of your transmission.

### Getrag Performance Parts:

Issue 39, Page 35d (First Generation) There may be some out there, but one member who did a search didn't find any. And after 275,000 miles on his first transmission, he didn't feel that he needed them.

### Getrag Transmission:

Issue 38, Pages 40d-41b (First Generation) Adding additional fluid may save the transmission from failure.

### Gooseneck Hitch:

Issue 37, Page 154a-d (TDRelease) Diamond Hitch has introduced its new ball for use with their gooseneck trailer hitches.

Issue 39, Page 154c-d (TDRelease) Here's more on the Diamond Hitch gooseneck for Dodge.

### Gotcha:

Issue 39, Page 113b (Idle Clatter) You may want to be careful about installing performance equipment on the new 2003's. Sometimes they leave telltale signs for the dealers.

### Graham-Paige Auto:

Issue 38, Page 6b-d (Letter Exchange) If your thing is the vintage Graham-Paige, here's one readers experience.

### Grid Heater:

Issue 40, Page 52b-c (12 Valve Engines) If your rig is hard starting in cold weather the problem may be that the grid heater element isn't working.

### Grid Heater Temperature:

Issue 39, Page 38c (First Generation) The temperature at which the heater will come on depends on the build date of your truck heater controller.

### Grill Inserts:

Issue 38, Page 151a-c (TDRelease) Fast Coolers has introduced its all-new stainless steel screened grill inserts.

### Hands-Free Mobile Phone:

Issue 39, Page 151a-d (Product Showcase) If you've seen that bumper sticker that says "Hang Up And Drive" you'll appreciate this review of the CKMute unit.

### Head Gasket Replacement:

Issue 40, Pages 44c-45c (First Generation) Here are some suggestions as to how to go about this project on your 1<sup>st</sup> gen truck.

### Head Lights, Dim/Flicker:

Issue 39, Page 17c-d (Member 2 Member) Some causes for this trouble are outlined here.

### Head Light Switch:

Issue 38, Page 35a-c (First Generation) The First Gen switches may be repaired if they're not too badly burned/melted. Here's how.

Issue 39, Page 33b (First Generation) If you plan to tow a trailer then this switch needs to be equipped with a relay in order to avoid burning it up.

### Head Porting:

Issue 37, Page 28c-d (Technical Topics) This is a sub-heading of the article entitled 'Airflow and Your Engine' by Joe Donnelly.

### Heater Blower:

Issue 40, Page 46d (First Generation) Here's a suggested procedure to isolate an intermittent blower problem.

### Heater, Intake Manifold:

Issue 38, Pages 102d-103a (Idle Clatter) There is the potential for some real trouble with these units. Not often, but you'll want to read this.

### High Output Engine:

Issue 40, Page 64a (Third Generation) There are some dollar values available if you want to have the HO engine in combination with the 48RE transmission.

## TDR Reprint . . . . Continued

### High Performance Air:

Issue 40, Page 10a-b (Member2Member) All TDR members have access to this FREE performance enhancement. Check it out.

### Highway Ride:

Issue 38, Page 37a-d (First Generation) Poor highway ride can be improved by using some of these suggestions.

### Hitch, Gooseneck:

Issue 37, Page 154a-d (TDRRelease) Diamond Hitch has introduced its new ball for use with their gooseneck trailer hitches.

Issue 39, Page 154c-d (TDRRelease) Here's more on the Diamond Hitch gooseneck for Dodge.

### Hitch, Trailer-3<sup>rd</sup> Generation Trucks:

Issue 40, Page 108a (Idle Clatter) Jim Anderson observes that the hitch makers seem to have figured out what it takes to mount a fifth wheel hitch on the on new 3G trucks.

### Hi-Tech Diesels:

Issue 40, Page 112c (Ranch Dressing) TDR writer John Holmes has a comment on the problems our diesel manufacturers face in the coming years.

### Horns:

Issue 40, Page 9a-c (Letter Exchange) You wouldn't want to get in this lady's way lest you lose your hearing from the blast you'd get out of all this rigs horns.

### Horton Fan Clutch:

Issue 38, Page 102b-c (Idle Clatter) Jim Anderson provides some updating info about using these units on the 2000 and later model year trucks.

### Hot August Nights:

Issue 38, Page 115a-b (Polly's Pickup) Polly Holmes shares with us just what happens at this huge big boy toy event.

### Humor:

Issue 38, Page 7c (Letter Exchange) A little folklore from the parts counter.

### Hydroformed:

Issue 38, Page 9c-d (Letter Exchange) To get an answer to the question: 'What is Hydroformed?' Check out the editor's response.

### Idle Speed Controller:

Issue 38, Page 18c (Member 2 Member) While this may be only for the 24V engine crowd, it might be worth checking out for the rest of us too.

Issue 40, Page 63c-d (Third Generation) Editor Patton practiced what he preaches and found the reason for the idle speed creeping up on his 3<sup>rd</sup> generation truck.

### Ignition Switch, Replacement:

Issue 40, Page 54a (12 Valve Engines) This job requires some special tools but it can be done.

### Ignition Switch & Wiring:

Issue 40, Pages 46d-47a (First Generation) If the cover under the ignition switch gets hot while running the heater blower, you may have a defective switch.

### Index, TDR:

Issue 37, Pages 82a-91c (TDR Reprint) The 2001-2002 index covers issues 33 to 36.

### Injector Puller:

Issue 39, Page 100b-d (The Shade Tree) If you want to know how to make or use an injector puller, check out this information from Joe Donnelly.

### Injection Pump Leak:

Issue 40, Page 44a (First Generation) There are two possible sources of a leak in the pump. Both can/ should be repaired at the same time.

### Injection Pump Throttle Spring:

Issue 38, Page 34c-d (First Generation) Replacement of the spring should be done with the pump off the engine. That's the recommendation from guys who know.

### Input Shaft Upgrade, NV4500:

Issue 40, Pages 24a-25c (Member2Member) Writer Scott Dalgeish provides a detailed description of how to make this upgrade.

### Instrument Panel:

Issue 40, Pages 14a-15c (Member2Member) If you want the look of a 747 cockpit in your rig you'll want to read this TDR members story.

### ISB, Engine:

Issue 39, Page 141a (Backfire) A sharp eyed reader points out that the Dodge Dakota does not have an ISB engine.

### Jeep, Diesel:

Issue 38, Page 76c-d (Blowin' In The Wind) Whoaaa! Take a look at this column for a thought on what the future may hold.

Issue 40, Page 92a-c (Blowin' In The Wind) Here's more on the issue of the diesel Jeep.

Issue 40, Page 94a-b (Blowin' In The Wind) Well it looks like the diesel Jeep may not be around beyond 2007 due to emissions requirements.

### Jim's Travels:

Issue 39, Page 115a-116a (Idle Clatter) If you're looking for some different places to travel, check out where Jim Anderson has been.

### Killer Dowel Pin=KDP:

Issue 37, Page 16d (Your Story) This nasty little pin has the potential to cost you big bucks if it falls into your engine. Here's how to fix it.

Issue 37, Page 42a-b (First Generation) The KDP is an issue on some of the first generation trucks. Issue 38, Pages 136a-139c (From The Shop Floor) Christopher Timochko of Auto Wurks Diesel outlines the solution for killing the killer dowel pin.

Issue 40, Pages 56a-58d (12 Valve Engines) Writers Jim Anderson & Joe Donnelly team up to provide the latest information on this troubling issue.

Issue 40, Pages 148a-150d (From The Shop Floor) And still more on the dowel pin issue.

### Land Speed Record Stories:

Issue 39, Pages 88a-94d (TDR Review) Cummins & Banks both are doing great things when it comes to setting speed records.

### Leak, Fuel:

Issue 38, Page 99c (Idle Clatter) Locating a leak can sometimes be difficult. Here's a neat trick that Jim Anderson recently picked up that will help you find it.

### Leak, Seal:

Issue 37, Page 44a-b (12 Valve Engines) Leaks from the front axle shaft seal will sometimes 'heal' themselves after repairs.

### Leaking Water Control Valve:

Issue 38, Page 34b (First Generation) A leaking control valve on the heater hose can be replaced on First Generation trucks and here's the part number to get from NAPA.

### Leak, Steering Gear:

Issue 37, Page 41b-c (First Generation) You will want to use these precautions when replacing the steering shaft seal.

### Lift Pump:

Issue 37, Page 48d (24 Valve Engines) Replacement part numbers for the Cummins and Mopar pumps are listed here.

Issue 38, Page 46a (24 Valve Engines) A survey on the TDR website indicates that the newer pumps have a significantly longer life.

Issue 39, Page 42d (12 Valve Engines) If the lift pump quits working, here's a suggestion to follow up on to verify if the check valves are good.

Issue 40, Pages 60a-61b (12 Valve Engines) Replacement of the pump will go a lot easier after reading this column.

### Lights, Auxiliary:

Issue 38, Page 60d (EarthRoamer.com) The addition of Hella lights will be a new addition to writer Bill Swails rig.

### Lights, Side Marker:

Issue 37, Page 44c (12 Valve Engines) The bulbs in the marker lights on the rear fenders of duallys are replaceable.

### Liquids For Your Truck:

Issue 37, Pages 104a-107a (The Shade Tree) This is a great guide for both new and current owners of a Dodge Ram Truck.

### Locomotive Air Horns:

Issue 40, Page 159c-d (Product Showcase) Rickson Truck Accessories now has two offerings in train type air horns.

### Lost Truck:

Issue 39, Page 8a-d (Letter Exchange) Guys, you'll want to be careful about letting the 'little lady' drive your ride. This could happen to you too.

### Low Power:

Issue 38, Page 99c (Idle Clatter) Here's a potential problem and a fix.

### Lubrication:

Issue 37, Pages 104a-107a (The Shade Tree) This is a great guide for both new and current owners of a Dodge Ram Truck.

Issue 38, Page 125a-c (Backfire) Member Bill Tiner put a little 'Backfire' on Editor Patton's face when he provided some additional information to Robert's Issue 37 article (see above).

Issue 39, Page 100a-b (The Shade Tree) Joe Donnelly suggests going by the book when it comes to this important issue.

Issue 40, Page 108c-d (Idle Clatter) TDR writer Jim Anderson answers several question concerning various lubrication issues.

Issue 40, Page 159a-b (Product Showcase) Valvoline now produces Premium Blue Synthetic.

### Mag-Hytec Front Differential Cover:

Issue 38, Page 58a (EarthRoamer.com) For a review of the Mag, check Bill Swails' column here.

### Maintenance, Front Axle:

Issue 39, Pages 146a-147d (From The Shop Floor) Dan Guarino of the Quad 4x4 shop details all those things we need to be aware of when it comes to front axle maintenance.

### Maintenance, Preventative:

Issue 39, Page 102a-c (The Shade Tree) There are some items not included in the owners manual that should be looked after.

### Maintenance Resolutions:

Issue 39, Pages 4c-5d (Tailgating) Here's the column you might want to check out if you are in a quandary as to what maintenance items you should be taking care of on your truck.

Issue 39, Pages 114d-115a (Idle Clatter) Jim Anderson also has some maintenance suggestions for the New Year.

### Maintenance Schedule:

Issue 40, Page 111b (Ranch Dressing) The 2003 models have longer maintenance intervals per John Holmes.

### Market Result:

Issue 40, Page 64c-d (Third Generation) The GM Duramax seems to be taking market share from both Ford and Dodge truck sales.

### May Madness, 2002:

Issue 37, Pages 58b-61d (Earthroamer.com) Bill Swails introduces us to a few of the folks he met in Pahrump (What's a Pahrump???) and reviews the event.

### Mentors:

Issue 38, Page 101b-c (Idle Clatter) Writer Jim Anderson provides a nice perspective on this concept.

Issue 40, Page 111d (Ranch Dressing) A number of TDR writers have had the opportunity to be mentors or to have had someone help them along the way. Including Mr. J. Holmes.

### Michelin XD2 Tires:

Issue 38, Pages 58b-59b (EarthRoamer.com) These new shoes are now the tire of choice for EarthRoamer's driver.

### Million Mile Truck:

Issue 40, Pages 90a-91d (Your Story) This just goes to show ya that it can be done.

### Mirror:

Issue 39, Pages 104a-106c (Novical Perspective) TDR member Ronald Khol relates a story of frustration and anxiety while trying to replace his trucks mirror

### Mirror Mounting Bolts:

Issue 37, Page 45b (12 Valve Engines) If these bolts are rusty then here's a way to keep 'em shiny.

### Mirrors, CIPA:

Issue 38, Page 56d (EarthRoamer.com) For those of us who pull a trailer or haul a camper then these mirrors will be a great addition to our rig.

### Mirrors, Towing:

Issue 38, Page 18a-b (Member 2 Member) The extended mirrors available on the 2000-'01 model trucks will also fit the '94-'99 models.

### Mobile Phone, Hands-Free:

Issue 39, Page 151a-d (Product Showcase) If you've seen that bumper sticker that says "Hang Up And Drive" you'll appreciate this review of the CKMute unit.

### Money Savings:

Issue 40, Page 9c (Letter Exchange) One TDR member saved some serious money (more than \$550) just purchasing two items advertised in the TDR.

### Monitor:

Issue 37, Page 155a (TDRRelease) Well, it isn't a gauge but it does the same thing. It's BD's new X Monitor.

### More Fun Than Flying:

Issue 37, Pages 24a-25d (Your Story) More Fun Than Flying, that's one owners feelings regarding his Dodge Ram.

### Moto-Connoisseurism:

Issue 38, Pages 68a-69c (Motor-Minded) Dr. Mark Barnes gives us some food for thought regarding our motor-minded opinions.

## TDR Reprint . . . . Continued

### Motorhome:

Issue 40, Pages 114d-115c (Polly's Pickup) Motorhome. . . . as in recently purchased. John and Polly have added yet another piece of rolling stock to their expanding collection.

### MPG:

Issue 38, Page 43a-c (12 Valve Engines) Take a look at this column to get an idea of what to look for to improve MPG.

### Mt. Rainier National Park:

Issue 39, Pages 67a-68d (Earthroamer.com) Here was another stop along the way for Earthroamer.

### Mt. Saint Helens National Volcanic Monument:

Issue 39, Pages 66a-d (Earthroamer.com) This location was another of writer Bill Swails' stops in the Northwest.

### Mud Flaps:

Issue 39, Page 64d (Earthroamer.com) Along with a number of other goodies Bill has installed on Earthroamer, comes a set of North West Custom mud flaps.

### Museum, National Automobile:

Issue 40, Page 112c (Ranch Dressing) The Harrah Collection at Reno will be featuring "Pickup Trucks: An American Icon" this summer. So if you're in the area plan to attend.

### Mystery Hose:

Issue 38, Page 43a-c (12 Valve Engines) If your wondering what that hose is that's attached to the inside of the right front fender, here's the answer.

### Mystery Switch Mount:

Issue 40, Pages 10d-11c (Member2Member) Locating the many switches that we TDR members sometimes need can be a problem. Here's how one member solved the issue.

### National Automobile Museum:

Issue 40, Page 112c (Ranch Dressing) The Harrah Collection at Reno will be featuring "Pickup Trucks: An American Icon" this summer. So if you're in the area plan to attend.

### New Dodge, 2003:

Issue 39, Pages 18a-d & 23a-28d (Technical Topics) Writer Joe Donnelly has provided a wealth of information on the new 2003 model truck.

Issue 39, Page 112b-c (Idle Clatter) Writer Jim Anderson reports that the new rigs are leaving the showroom floor very quickly and just as quickly he's getting calls for information.

Issue 39, Page 112c (Idle Clatter) A couple of likes & dislikes regarding the new Dodge.

### New Owner:

Issue 38, Pages 90a-93b (Novical Perspective) WOW, this guy Brian Rogers has done us all a big favor by documenting his buying experience.

Issue 38, Page 102a (Idle Clatter) If you plan on owning a new truck soon, take writer Anderson's suggestion about 'The Message'.

Issue 39, Pages 126a-128c (Miscellaneous RAMblings) Writer/Historian Don Bunn relates his experience about the new RAM he purchased.

### New Truck, Changes for 2003:

Issue 38, Page 101d (Idle Clatter) Jim Anderson has enumerated the things he likes about the new truck.

### New Truck Impressions:

Issue 39, Page 52a-d (Third Generation) Writer Andy Mikonis has provided a 'personal' impression of the new Heavy Duty 2003 Ram.

### Next Generation:

Issue 37, Pages 5a-6d (Tailgating) This thought provoking article will warm your heart & maybe steer you in a new direction with the next generation.

### Noise, Air Conditioner Compressor:

Issue 39, Page 36c (First Generation) Several members have found that the belt tensioner can cause this condition.

### Noise, Engine:

Issue 38, Pages 48a-49d (Third Generation) The new 2003 models are going to be significantly quieter than their predecessors.

### Noise, Grinding:

Issue 39, Page 33a (First Generation) A noise that seemed to be coming from the front end of the truck was actually coming from the 'rear end'.

### Noise, Transfer Case Shifter:

Issue 38, Page 38c-d (First Generation) This shifter has been a real headache for a number of members. Here's what to do to fix it.

### NRA Member:

Issue 40, Page 8c (Letter Exchange) A TDR member has a safety suggestion that just might work in today's environment.

### NV4500 Input Shaft Upgrade:

Issue 40, Pages 24a-25c (Member2Member) Writer Scott Dalgeish provides a detailed description of how to make this upgrade.

### Odd Smell:

Issue 40, Page 54b-c (12 Valve Engines) The overheating headlight switch will produce an unusual aroma as it starts its self destruction.

### Oil Change, Engine-2003:

Issue 38, Page 13a-b (Turbo Tips) Ohhhh Boyyyy, here's a new challenge for you 2003 owners. But also a tip on how to do it. Do it quick, before K-Mart folds up their tent and steals away.

### Oil Change Interval-2003 Trucks:

Issue 40, Page 108a (Idle Clatter) If there is any doubt about when you should do this important task. . . . check your owners manual.

### Oil Change, Transmission:

Issue 38, Page 12d (Turbo Tips) If you change your own oil on the five- or six-speed transmission you'll want to take advantage of this tip.

### Oil Drain Plug:

Issue 40, Page 55b-c (12 Valve Engines) Here's a few ideas if you're having trouble with the plug.

### Oil Fill Tip:

Issue 40, Page 30c (Turbo Tips) This is a slick way to avoid spilling oil or coolant all over your clean shiny engine.

### Oil Leak:

Issue 38, Page 34a (First Generation) If you're experiencing a slow leak, here's a suggested way to find it. The fix may be a good bit more difficult.

Issue 40, Page 54c (12 Valve Engines) Here are some other possible sources of a leak.

### Oil Pressure:

Issue 37, Page 42d (First Generation) For reference, here are some pressure numbers that you may want to write down.

Issue 38, Pages 64a-65c (EarthRoamer.com) Bill Swails isn't the only one to have put 'UNLEADED' fuel in his diesel tank. So have I. Read about Bill's trials and tribulations and remember not to follow in our footsteps.

Issue 40, Page 53c (12 Valve Engines) Fluctuations seen on the pressure gauge may be an indication that the sending unit is defective.

### Oil Sampling:

Issue 40, Page 107c-d (Idle Clatter) Here's a case for doing regular oil sampling to evaluate potential problems with your ride.

### Old Car Guy:

Issue 39, Page 122d (Ranch Dressing) This funny bit comes to us from John Holmes via Autoweek magazine.

Issue 40, Page 112d (Ranch Dressing) John Holmes continues from last issue with what defines as an "Old Car Guy" as taken from Autoweek.

### Overhead Console Display:

Issue 40, Page 64b (Third Generation) Little glitches seem to be showing up in the display 3<sup>rd</sup> generation trucks.

### Overheating:

Issue 37, Page 49a (24 Valve Engines) You can expect this condition if you're going to pull 30,000 lbs. uphill.

### Owner Experiences:

Issue 37, Pages 24a-25d (Your Story) More Fun Than Flying, that's one owners feelings regarding his Dodge Ram.

Issue 39, Page 12a-d (Letter Exchange) Here's a letter from another proud Dodge owner. One of the very few in GERMANY!!

### Parking Brake, Adjustment:

Issue 38, Page 45a-b (12 Valve Engines) Everything you wanted to know about this procedure is probably in your owners manual but here's more.

### PCM-Powertrain Control Module:

Issue 38, Page 103b-d (Idle Clatter) Read this column to learn of the various possible problems related to TPS, PCM, etc.

### Performance Issues:

Issue 37, Pages 14a-17d (Your Story) Joe Donnelly has written another excellent article in 'addition to power'. We're not talking about the Presidency here.

Issue 38, Page 43a-d (12 Valve Engines) If your truck seems to lack power, here's a few checks you can make.

Issue 38, Page 149c (TDRRelease) Banks Engineering has a new performance chip for 'off street' use.

Issue 39, Pages 98a-99d (The Shade Tree) Writer Joe Donnelly has some words of wisdom for folks who want to "power up" their ride.

Issue 39, Page 154a (TDRRelease) Bully Dog Technologies has a new plug-in performance module available.

### Performance-24 Valve Engines:

Issue 38, Pages 142a-145d (Product Showcase) If you are looking to increase your trucks power, you might want to read this article.

### Piston Bowl Shape:

Issue 37, Page 29a-b (Technical Topics) This is a sub-heading of the article entitled 'Airflow and Your Engine' by Joe Donnelly.

### Power Bleeder:

Issue 39, Page 153a-b (TDRRelease) EGR has a new product out that will help bleed the brake and clutch system lines without the help of another person, body, wife, etc.

### Power Loss:

Issue 38, Page 45d (12 Valve Engines) A loss of power may be due to a dirty fuel screen. Here's how to check it out.

### Power, Low:

Issue 38, Page 99c (Idle Clatter) Here's a potential problem and a fix.

Issue 40, Pages 133a-135c (The Way We Were) Here's an eye opener with regard to the "power/speed" situation.

### Power, Pre '94:

Issue 38, Page 38a-c (First Generation) Always a topic of discussion, here are few suggestions on why your ride may not be up to par.

### Power Steering:

Issue 40, Pages 26a-27c (Member2Member) Changing the fluid on this unit is described by TDR writer Joe Donnelly.

### Power Stroke, Ford:

Issue 37, Page 80d (Blowin' In The Wind) Some numbers from Ford.

### Power vs RPM:

Issue 39, Page 101d (The Shade Tree) Joe Donnelly provides some insight as to how the Cummins engine generates torque at lower RPM's.

### Preparation & Planning:

Issue 38, Pages 94a-96b (Celebrity Corner) The Shadetree Mechanic, Mr. Sam Memmolo, did not have an uneventful trip to the Nationals. See his column for some insight on preparation and planning.

### Preventative Maintenance:

Issue 39, Page 102a-c (The Shade Tree) There are some items not included in the owners manual that should be looked after.

### Proof-reading & Editing:

Issue 38, Pages 104d-105d (Idle Clatter) Writer/traveler Jim Anderson introduces the folks that help make the TDR the excellent publication that we receive each quarter.

### Psychology:

Issue 37, Pages 69a-70d (Motor Minded) Dr. Mark Barnes suggests that there is reward, as well as frustration, in the learning process.

### Pump, Auxiliary Fuel Transfer:

Issue 38, Page 150a-b (TDRRelease) Scheid Diesel has come out with a new kit.

### Pump, Lift:

Issue 37, Page 48d (24 Valve Engines) Replacement part numbers for the Cummins and Mopar pumps are listed here.

### Pump, Runaway:

Issue 39, Page 35c (First Generation) Sometimes certain fuel pumps have a tendency to get 'stuck'. Take your VIN to a dealer and see if it should have been one that was recalled.

### Pump, Vacuum:

Issue 38, Page 36a-b (First Generation) Here's some suggestions on how to check for problems in this area.

### Pyrometer Placement:

Issue 37, Page 48c (24 Valve Engines) Where and how to locate the probe are answered in this segment.

## TDR Reprint . . . . Continued

### Quickcheck II:

Issue 37, Pages 146a-147d (Product Showcase) This is another Cummins product that is similar to but different than the Roadrelay 4 product.

### Racer Profile:

Issue 39, Page 145b-d (Turbo Diesel Motorsports) Competitor Jim Fuller provides an autobiography of his racing experiences.

### Racing Events:

Issue 38, Pages 132a-134d (Turbo Diesel Motorsports Editor/Publisher Patton has added a new column for the black smoke, screamin' tire crowd.

### Radiator Drain Valve:

Issue 38, Page 45c (12 Valve Engines) Most leaks are the result of the 'O' ring needing to be replaced on the drain valve.

### Rear Axle Seal Leak:

Issue 37, Page 43a (First Generation) Here's a detailed description on how to fix this problem.

### Rear Axle Spindle Nut:

Issue 38, Page 36d (First Generation) Proper adjustment procedure is here.

### Rear Differential Shims:

Issue 40, Page 43a-d (First Generation) A number of TDR members have had problems with these shims on their 1<sup>st</sup> generation trucks.

### Rear Main Seal:

Issue 37, Page 41c-d (First Generation) Some tips for replacement of this seal.

### Recipes:

Issue 37, Page 121a-b (Polly's Pickup) Polly Holmes has provided a couple of good 'fruity' recipes for us to work with this issue.

### Retrofit Diesels:

Issue 38, Page 100a-c (Idle Clatter) Jim Anderson tells us about a FORD that is going to have a Cummins engine. It's a project truck!!

Issue 38, Pages 100c-101a (Idle Clatter) Here's another project truck.

Issue 38, Page 101a (Idle Clatter) Some folks want to put a Cummins in their old brand X rig. Writer Anderson suggests why this isn't a good idea.

### RoadRelay 4 Information System:

Issue 37, Pages 144a-145d (Product Showcase) You'll want to read this article for an inside look at this Cummins product. It is a gottahav that knows all, tells all, sees all.

### RPM Flare:

Issue 40, Page 63a (Third Generation) Cummins says it's normal under the conditions described.

### RPM vs. Power:

Issue 39, Page 101d (The Shade Tree) Joe Donnelly provides some insight as to how the Cummins engine generates torque at lower RPM's.

### Safety First:

Issue 38, Page 107a (Ranch Dressing) Here is a safety tip that many of us probably didn't have a clue as to the potential danger.

### Safety Tip:

Issue 40, Page 8c (Letter Exchange) A TDR member has a safety suggestion that just might work in today's environment.

### Sagging Door:

Issue 37, Page 40c-d (First Generation) There are replacement parts to fix this problem. Listed is the part number and some other suggestions too.

### Scheid Diesel Extravaganza, 2002:

Issue 38, Pages 130a-131c (Chapter News) Donald Mallinson has provided a review of the Scheid Diesel Extravaganza 2002.

### Seal Leak:

Issue 37, Page 44a-b (12 Valve Engines) Leaks from the front axle shaft seal will sometimes 'heal' themselves after repairs.

### Seal, Rear Main:

Issue 37, Page 41c-d (First Generation) Some tips for replacement of this seal.

### Seatbelts:

Issue 37, Page 40b (First Generation) There is an extension available to lengthen the seatbelts in First Gen trucks which will make them more comfortable

### Segway Human Transporter:

Issue 38, Page 60b-c (EarthRoamer.com) Writer Bill Swails details his first run on this unique people mover while at the Michelin Daytona Tire Headquarters.

### SEMA Show:

Issue 39, Page 6a-7d (Tailgating) WOW, if you ever thought about putting together a 'show rig', start here for ideas.

Issue 39, Page 69a-d (Earthroamer.com) Bill Swails rig was on display at the Alcoa booth.

Issue 39, Page 122a (Ranch Dressing) John Holmes explains some of the less obvious activities that SEMA is involved in.

### Sending Unit, Fuel Gauge:

Issue 37, Page 45a (12 Valve Engines) There are two ways to access this unit. Either lift bed or drop the tank. Both methods have pros & cons.

Issue 38, Page 46d (24 Valve Engines) Sometimes the problem seems to fix itself. But then again, maybe not.

### Sending Unit, Oil Pressure:

Issue 40, Page 53c (12 Valve Engines) Fluctuations seen on the pressure gauge may be an indication that the sending unit is defective.

### Sensor, Crankshaft Position:

Issue 37, Page 48a-b (24 Valve Engines) Problems with this members truck led the dealer to mistakenly replace the PCM. The problem was fixed with the replacement of the crankshaft position sensor.

### Sensor, Transmission Temperature:

Issue 37, Page 45d (12 Valve Engines) You don't have to disable the factory sending unit when you install a gauge. Here's how to do right.

Issue 39, Page 35b (First Generation) If this sensor is defective, it may be just a matter of time before your transmission is also. Be sure it works.

### Service Advisors:

Issue 39, Pages 106d-107c (Novical Perspective) TDR member Ronald Khol has some thoughts regarding those who serve in this capacity.

### Short Shift Kit:

Issue 40, Pages 156a-157d (Product Showcase) BD now has a kit available that will allow you "stick jockeys" to do it faster.

Issue 40, Page 162c-d (Product Showcase) Here's more on the BD kit.

### Side Marker Lights:

Issue 37, Page 44c (12 Valve Engines) The bulbs in the marker lights on the rear fenders of duallys are replaceable.

### Six States Distributors:

Issue 40, Page 23a-c (Member2Member) This company comes highly recommended.

### Smell, Odd:

Issue 40, Page 54b-c (12 Valve Engines) The overheating headlight switch will produce an unusual aroma as it starts its self destruction.

### Snake:

Issue 39, Page 124b-c (Polly's Pickup) Well, it ain't no pickup but you gotta see Polly's new rollin' stock.....a 2002 VIPER!!!! Lord A Mercy.....watch out you TDR guys.

### Socket, 4x4 Front Axle:

Issue 37, Page 43b (First Generation) Having the right size socket for the wheel bearing nuts is critical.

### Speed Analysis:

Issue 40, Pages 133a-135c (The Way We Were) This column will shed some light on what it really takes, horsepower wise, to move you down the road.

### Speedometer Failure:

Issue 40, Page 42a-b (First Generation) TDR members have provided several fixes for First generation rigs whose speedo's may have given up the ghost.

### Starter Solenoid:

Issue 37, Page 151d (TDRRelease) With all the bad press that the solenoid has received in the TDR lately a company called 'Plug It Right' has come up with a kit to repair the most common problem.

### Starting Battery:

Issue 39, Page 37a-c (First Generation) If you're thinking about adding a 2nd battery to your first generation truck, you might want to check this column out.

### Starting Problem:

Issue 38, Page 42a-c (12 Valve Engines) There are some checks listed here help isolate the condition.

Issue 38, Page 46b (24 Valve Engines) Sometimes adding accessory items will cause problems.

Issue 40, Page 62c (24 Valve Engines) Here are several possible causes for not starting.

### Steering Gear Leak:

Issue 37, Page 41b-c (First Generation) You'll want to use these precautions when replacing the steering shaft seal.

### Steering Problems:

Issue 37, Page 41a (First Generation) Sometimes the problem isn't just in the steering components

Issue 37, Page 116b-c (Ranch Dressing) If your rig seems to pull to the right you may find the reason in this tech tip from John Holmes.

### Sticking Throttle:

Issue 37, Pages 46d-47b (12 Valve Engines) Here are several suggestions as to how to fix this problem.

### Suspension Kit:

Issue 39, Pages 63d-64c (Earthroamer.com) The installation of a Superlift system is described by Bill Swails.

### Suspension, Pre '94:

Issue 38, Page 37a-d (First Generation) Poor highway ride can be improved by using some of these suggestions.

### Switch, Head Light:

Issue 38, Page 35a-c (First Generation) The First Gen switches may be repaired if they're not too badly burned/melted. Here's how.

Issue 39, Page 33b (First Generation) If you plan to tow a trailer, then this switch needs to be equipped with a relay in order to avoid burning it up.

### Switch Panel:

Issue 39, Page 120d (Ranch Dressing) Take a look at the ashtray that morphed into a switch panel that John Holmes created.

### Tachometer, Pre '94:

Issue 38, Page 39a-c (First Generation) If you have a '91 model, here are a few ideas on how to install a tach.

### Taxes, Fuel:

Issue 38, Page 99a-b (Idle Clatter) Jim Anderson provides a good argument for installing an auxiliary fuel tank if you plan to do much traveling.

Issue 40, Page 93a-b (Blowin' In The Wind) As of this issue of TDR, Georgia has the lowest fuel tax of all the states.

### TDR Badges, Emblems, Stickers & Name Plates:

Issue 38, Page 121c-d (TDR/R/R) Here's a run down of what is available.

### TDR Events:

Issue 38, Page 4b (Tailgating) Editor Patton outlines the plan for the new year entitled Turbo Tech 2003.

### TDR Index:

Issue 37, Pages 82a-91c (TDR Reprint) This years index covers issues 33 to 36.

### TDR Member Competitions:

Issue 39, Page 144a-c (Turbo Diesel Motorsports) Here's a listing of members who compete in various events and how they placed in their event.

Issue 39, Page 144c (Turbo Diesel Motorsports) If you plan to compete, here's some information you need to know.

### TDR Nationals-2002:

Issue 37, Page 4c (Tailgating) Cummins has invited TDR members to their tenth anniversary at the Columbus MidRange Engine Plant and the TDR is going to help make it memorable.

Issue 37, Pages 96a-97d (TDRSource) Here's the 'good stuff' about the upcoming meet in Columbus.

Issue 38, Pages 78a-81d (TDRReview) Writer & RAM Guru Joe Donnelly shares his perspective of the 2002 event.

Issue 38, Pages 94a-96b (Celebrity Corner) The Shadetree Mechanic, Mr. Sam Memmolo, did not have an uneventful trip to the Nationals. See his column for some insight on preparation and planning.

Issue 38, Page 98a-d (Idle Clatter) Writer Jim Anderson shares his perspective on the 2002 national event.

### TDR Nationals, 2003:

Issue 38, Page 4b (Tailgating) Editor Patton outlines the Year entitled Turbo Tech 2003.

### TDR Profile:

Issue 37, Pages 34a-36a (Technical Topics) Writer Jim Anderson gives us some insight as to what 'powers' Joe Donnelly, the guru behind TST performance products.

## TDR Reprint . . . . Continued

### TDR Travel Companion:

Issue 37, Pages 127a-129d (TDR Travel Companion) Ever wish you had access to a local TDR member if you've broken down on the road? Well here's an opportunity to help and be helped. Check it out.

Issue 38, Page 4c (Tailgating) Here's the latest on plans for this valuable travel aid.

### TDR Website:

Issue 38, Page 126a-d (Truckin' Through The Internet) Webmaster Steve St. Laurent describes the new updating changes for the TDR site.

### Technical Service Bulletins:

Issue 38, Pages 82a-88c (TDR Resource) It's that time of year when Robert provides the latest info on TSB's for our RAM's.

### Tech Tips:

Issue 39, Pages 118a-119a (Ranch Dressing) The language of today's service personnel is not what your fathers used to hear, according to John Holmes.

### Television Show:

Issue 40, Pages 102a-105c (Celebrity Corner) Sam Memmolo introduces a "new guy" to his TV audience.

### Temperature Sensor, Transmission:

Issue 37, Page 45d (12 Valve Engines) You don't have to disable the factory sending unit when you install a gauge. Here's how to do right.

### Temperature, Tire:

Issue 37, Pages 57b-58a (Earthroamer.com) For some significant insight on this issue, read Bill Swails' comments.

### Test Drive:

Issue 40, Pages 66a-67d (Third Generation) TDR writer Bill Stockard did a test drive of the new Ford 6 liter Powerstrokes and the 3<sup>rd</sup> generation Dodge. Guess which one he ordered?

### Testing Fuel Heater:

Issue 39, Page 40c (12 Valve Engines) If you want to test the functionality of the fuel heater, here's a method for doing it.

### Thermostat Gaskets:

Issue 37, Page 45c (12 Valve Engines) If you need to replace these gaskets, here's the part numbers and a diagram on how to change them.

### Thermostat Replacement:

Issue 40, Page 47d (First Generation) On older trucks, replacement of the thermostat can be difficult. Listed here are a couple of suggestions as to how best to do the job.

### Throttle Cable Adjustment:

Issue 39, Page 43a-b (12 Valve Engines) Too much slack can't be adjusted out so replacement (via recall) may be the answer.

### Throttle Linkage:

Issue 39, Page 36b (First Generation) When the linkage 'goes South' then there are a couple of ways you can fix it, be it right or wrong.

Issue 40, Page 52a (12 Valve Engine) Writer Andy Mikonis provides some additional information about those times when the automatic transmission "hunts" between 3<sup>rd</sup> & overdrive.

### Throttle Position Sensor (TPS):

Issue 37, Page 39d (First Generation) There is a very inexpensive fix for folks that have TPS problems with their First Generation truck.

Issue 37, Page 46a (12 Valve Engines) Replacement is an option but in many situations it can be cleaned and the trouble goes away.

Issue 38, Page 12c (Turbo Tips) Revisit this tip if you are having problems with your TPS.

Issue 38, Page 103b-d (Idle Clatter) Read this column to learn of the various possible problems related to TPS, PCM, etc.

Issue 40, Pages 48c-49c (First Generation) This information is taken from the TDR web site and will provide some helpful information on this sometimes annoying part.

Issue 40, Page 52a (12 Valve Engine) Writer Andy Mikonis provides some additional information about those times when the automatic transmission "hunts" between 3<sup>rd</sup> & overdrive.

### Throttle, Sticking:

Issue 37, Pages 46d-47b (12 Valve Engines) There are several suggestions as to how to fix this problem.

### Thunder In Muncie:

Issue 38, Pages 62a-63a (EarthRoamer.com) EarthRoamer made a stop in Muncie and writer Bill Swails has photos of some great looking RAM's.

### Tie Rod Replacement:

Issue 38, Page 27b-d (Member 2 Member) Right from the shop of Mr. Joe Donnelly.

### Tires:

Issue 39, Pages 60c-62b (Earthroamer.com) Traveler Bill Swails provides a very extensive review of the tires & wheels he has used.

### Tires-Michelin XD2 Tires:

Issue 38, Pages 58b-59b (EarthRoamer.com) These new shoes are now the tire of choice for EarthRoamer's driver.

### Tire Temperature:

Issue 37, Pages 57b-58a (Earthroamer.com) For some significant insight on this issue, read Bill Swails comments.

### Tire Wear:

Issue 40, Page 53a (12 Valve Engines) Undesirable tire wear may be the result of wear in the ball joints.

### Tool Stories:

Issue 40, Pages 76d-78d (Motor Minded) Editor Patton is speculating on adding a new feature to the TDR. It's a resume' of the "dumb" things we do but can still laugh about.

### Torque Converter:

Issue 37, Page 57a-b (Earthroamer.com) Earthroamer now has a TripleLok torque converter and writer Bill Swails is very positive about the performance of this system.

Issue 37, Page 117b-c (Ranch Dressing) Writer John Holmes has some first person experience with the new Pro-Loc stator.

Issue 37, Page 151a-c (TDR Release) And here's the Sun Coast info on their Pro-Loc stator.

Issue 38, Page 56c (EarthRoamer.com) For the latest info on Bill Swails' experience with the Triplelok converter, check out his column.

### Towing Bed, Custom:

Issue 39, Page 153c-d (TDR Release) B & W may have just what you're looking for in a custom towing bed.

### Towing Experience:

Issue 37, Page 9a-b (Letter Exchange) A 35 thousand pound load exceeds the towing spec from Dodge by more than just a few pounds but here's a rig that did it.

Issue 39, Pages 110a-111d (Celebrity Corner) Celebrity Sam Memmolo discusses issues related to towing using the new G3 Dodge.

Issue 40, Page 111c (Ranch Dressing) If your 4x4 sits too high for towing your 5<sup>th</sup> wheel trailer properly then you might want to get Mopar's kit to lower your rig.

### Towing Mirrors:

Issue 38, Page 18a-b (Member 2 Member) The extended mirrors available on the '00-'01 model trucks will also fit the '94-'99 models too.

Issue 40, Page 65d (Third Generation) The stock mirrors will accommodate towing a trailer with a width of 8 1/2 feet.

### Track Bar Replacement:

Issue 38, Pages 26a-27b (Member 2 Member) Joe Donnelly tells you how it can be done.

### Trailer Brake Controller:

Issue 38, Page 148a-b (TDR Release) Here is a new product from 'Plug It Right.'

### Trailer Hitch-3<sup>rd</sup> Generation Trucks:

Issue 40, Page 108a (Idle Clatter) Jim Anderson observes that the hitch makers seem to have figured out what it takes to mount a fifth wheel hitch on the on new 3G trucks.

### Trailer Towing:

Issue 37, Page 52d (Third Generation) The 2003 Cummins engine will allow for a higher GCWR.

Issue 37, Page 112a-c (Idle Clatter) How important is the GVWR? Check out Jim Anderson's response to this question.

### Transfer Case Shifter Noise:

Issue 38, Page 38c-d (First Generation) This shifter has been a real headache for a number of members. Here's what to do to fix it.

### Transmission, Automatic:

Issue 39, Page 101c (The Shade Tree) Doing performance modifications when using the stock automatic transmission can be hazardous to it's life.

Issue 40, Page 53b-c (12 Valve Engines) If you have a question about when the torque converter should lock up, check out this column.

Issue 40, Pages 106c-107a (Idle Clatter) Read this column to get an idea of what kind of failure you might encounter.

### Transmission, Automatic-48RE Model:

Issue 37, Page 52c (Third Generation) This new transmission will be available as an option on the 2003 model 2500 and 3500 trucks.

Issue 40, Page 64a (Third Generation) There are some dollar values available if you want to have the HO engine in combination with the 48RE transmission.

Issue 40, Page 110b-c (Ranch Dressing) John Holmes has a few words to share regarding the new 48RE transmission.

### Transmission, Automatic, Lock up:

Issue 39, Page 41a-b (12 Valve Engines) If you're having trouble with the torque converter going in and out of lock up, here are some suggestions that may fix the problem.

### Transmission, Automatic, Shift Problems:

Issue 37, Page 52c (Third Generation) Temperature of the fluid will affect how the transmission will shift. Also check fluid level.

Issue 38, Page 103b-d (Idle Clatter) Read this column to learn of the various possible problems related to TPS, PCM, etc.

Issue 39, Pages 14a-15d (Member 2 Member) Editor Patton has provided an excellent resource for us when the transmission starts to hunt.

### Transmission Controller:

Issue 40, Page 161b-d (Product Showcase) The BD Power TOWLOC is their new programmable transmission and converter control unit.

### Transmission Conversion-NV4500 to NV5600:

Issue 38, Pages 15a-17c (Member 2 Member) This probably isn't a job for the faint of heart but it can be done.

### Transmission, Getrag:

Issue 38, Pages 40d-41b (First Generation) Adding additional fluid may save the transmission from failure.

Issue 40, Page 22a-d (Member 2 Member) A little Yankee ingenuity saved a young man big bucks by fixing rather than replacing the transmission in a '92 model truck.

### Transmission, Manual:

Issue 37, Page 17a-b (Your Story) Here's a suggestion that will help maintain the life of the transmission.

### Transmission Oil Change:

Issue 38, Page 12d (Turbo Tips) If you change your own oil on the five or six speed transmission you'll want to take advantage of this tip.

### Transmission Temperature Sensor:

Issue 37, Page 45d (12 Valve Engines) You don't have to disable the factory sending unit when you install a gauge. Here's how to do right.

Issue 39, Page 35b (First Generation) If this sensor is defective, it may be just a matter of time before your transmission is too. Be sure it works.

### Travel Companion:

Issue 40, Page 4b-d (Tailgating) Editor Patton invites new and current TDR members to join in making the Travel Companion bigger and better.

### Trivia Quiz:

Issue 37, Page 9c (Letter Exchange) If you're into questions & answers about the Dodge RAM pick-up, you'll appreciate this item.

### Truck, New Purchase:

Issue 38, Pages 90a-93b (Novical Perspective) WOW, this guy Brian Rogers has done us all a big favor by documenting his buying experience.

Issue 38, Pages 108a-109d (Ranch Dressing) John Holmes explains what he goes through in outfitting his new ride for the ranch.

### Turbocharger Chuffing:

Issue 40, Page 63a-b (Third Generation) Like RPM flare, this too is a normal condition for the Third Generation truck.

### Turbocharger Sizing:

Issue 37, Pages 29d-30c (Technical Topics) Check out this article entitled 'Airflow and Your Engine' by Joe Donnelly.

### Turbo Housing Change, Pre '94:

Issue 38, Page 40a-c (First Generation) If you plan to make a change, there are some considerations to be aware of before-hand.

### Turbo Oil Return Gasket:

Issue 39, Page 41b-c (12 Valve Engines) Listed here is a very detailed procedure for stopping the leak of engine oil if you've changed the oil return gasket.

## TDR reprint . . . . Continued

### **TurboTech 2003:**

Issue 39, Page 4b (Tailgating) This planned event has been postponed due to relocation of one of the drag racing competitions.

### **Uncommon Dodge Truck:**

Issue 40, Pages 118a-121c (Miscellaneous RAMblings) Dodge truck historian Donn Bunn has a story about a one of a kind truck being restored. It's a 1919 Dodge truck.

### **U-Joint, Front Axle:**

Issue 39, Page 42a (12 Valve Engines) If you need to replace the U-joint, you may want to read these suggestions first.

### **U-Joint Replacement:**

Issue 40, Pages 16a-18c (Member2Member) TDR writer Jim Anderson explains what was involved in this project.

### **Vacuum Pump:**

Issue 38, Page 36a-b (First Generation) Here's some suggestions on how to check for problems in this area.

### **Valve Clearance, Metric:**

Issue 38, Page 44d (12 Valve Engines) A reader in Germany needed this information and he got it from the TDR Website.

### **Valve Cover Gaskets:**

Issue 38, Page 42d (12 Valve Engines) New gaskets are available from both Dodge and Cummins. The color has been changed to gray, however.

### **VE Fuel Injection Pump:**

Issue 40, Page 50a-d (First Generation) If you need to loosen the 13mm nut on the pump you might want to fabricate this wrench combination to do the job.

### **Vibrations, Good:**

Issue 40, Page 110a-b (Ranch Dressing) Thanks to a fellow TDR member, John Holmes can now ride in the quiet of his diesel engine rig equipped with a lumber/pipe rack.

### **VW Diesel:**

Issue 40, Page 92d (Blowin' In The Wind) Volkswagon is going to make more diesel VW's available in the coming model years.

### **Wait To Start:**

Issue 40, Page 116a (Polly's Pickup) Polly Holmes tells us that the new 2003 models don't have the usual nomenclature. Now it's one of those little International Icons that can't be seen in bright light.

### **Warning Light-Water In Fuel:**

Issue 37, Page 46c (12 Valve Engines) Sometimes this light will come on after the engine has been washed. The contacts just need to dry.

### **Warranty:**

Issue 37, Page 113b (Idle Clatter) Want to save over \$2,000.00? Read this item from writer Jim Anderson.

Issue 38, Page 70a-c (Blowin' In The Wind) Editor Robert provides some new insight to the new 70K / 7 year warranty from DC.

Issue 40, Page 132a-d (The Way We Were) Here's a comprehensive scenario that pretty much describes the "no-no's" of warranty validation.

### **Water Heater Valve, Cab:**

Issue 40, Page 48a (First Generation) If the cab water heater valve is leaking, read this item for a suggestion as to a fix.

### **Water In Fuel-Warning Light:**

Issue 37, Page 46c (12 Valve Engines) Sometimes this light will come on after the engine has been washed. The contacts just need to dry.

Issue 40, Page 55a (12 Valve Engines) Very cold temperatures seem to affect this indicator.

### **Water Leak In Cab:**

Issue 40, Page 65c (Third Generation) An improperly installed windshield may cause leaks.

### **Web Gossip:**

Issue 37, Page 136a-b (Backfire) Editor Patton gives us the up-dated and straight scoop on who gave what after 9-11.

### **Web Site:**

Issue 37, Page 155b (TDRelease) Cummins has a new web site that is designed to enable an exchange of information.

### **Website, TDR:**

Issue 38, Page 126a-d (Truckin' Through The Internet) Webmaster Steve St. Laurent describes the new updating changes for the TDR site.

### **Wet Floorboards:**

Issue 40, Page 47b-c (First Generation) You'll find some suggestions here on where to look for leaks if you have damp or wet floorboards.

### **Wheels:**

Issue 38, Page 63b-c (EarthRoamer.com) For some insight on Alcoa Forged Wheels, see Bill Swails' column.

Issue 39, Pages 60c-62b (Earthroamer.com) Traveler Bill Swails provides a very extensive review of the tires & wheels he has used.

### **Wheel Balancing, On Board:**

Issue 40, Page 161a-c (Product Showcase) Centramatic now produces wheel balancers for the Dodge pickup.

### **Wheel Hop Solution . . . Maybe:**

Issue 38, Page 14a-d (Member 2 Member) This problem has been visited any number of times over the years here in the TDR. However, this may be the solution for your problem.

### **Wheelwell Liners:**

Issue 40, Page 30a (Turbo Tips) No longer a standard item, these liners can now be purchased from the Mopar Parts folks.

### **Who Are We?:**

Issue 40, Page 106a-c (Idle Clatter) Writer Jim Anderson asks this question and then gives us more than one answer.

### **WHY:**

Issue 40, Pages 69a-70d (Four Whaling) TDR writer Greg Whale relates how this particular word came to be an important part of his vocabulary.

### **Wipers, Windshield:**

Issue 40, Page 42c-d (First Generation) If your 1<sup>st</sup> Gen truck wipers are intermittent, you might take a look at these suggestions for a fix.

### **Wiring:**

Issue 39, Pages 113d-114a (Idle Clatter) If you plan to add equipment to your ride that requires electrical connections, here's a suggestion on how it should be done.

Issue 40, Page 112a-b (Ranch Dressing) Here's a great suggestion from John Holmes that will save you money and your shop tech lots of headaches.