August 2014







SEPTEMBER 2014

What Happened?

July 3-6 – Walla Walla 4th of July Tour

4th of July Senior Citizen Visitation, the club headed up a visit to the Senior Citizen Assisted Living Facility at 6th & Park in Spokane Valley on Friday, July 4th from 11:00 AM to 1:00 PM to show our T's to the residents. Lunch was provided by the Center.

July 11-13 – Spokane V-8 Club Swap Meet Contact Daryl Skomer Swap Meet Booth. We got lot's of complements on it's informational displays, including Bill Barr's '2 Touring

July 17 - INCCC Downtown Scholarship Car Show

Aug 1 – Monthly T Club meeting **Contact Lee Burgess** & Picnic





Coming up: Picnic Movie Night Fall tour?



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Where did I put that?

General club information Page 2 Model T Transmission Tours and Activity Reports Page 4 For Sale/ Wanted/ Services

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Hello T Members

Hope everyone is doing fine this summer. I saw a few members at the Swap meet this vear. Great location! I sure hope we have a big turnout for the picknick in August! Hope to see you there!

THANKS! BILL Barr



SPOKANE MODEL T CLUB FENDERCHATTER@GMAIL.COM August 2014

SPOKANE MODEL T	CLUB FE	ENDER	CHAITER(@GMAIL.COI	M August 2014
Canaval	President	Vice F	President	Secretary	Treasurer
Club		<u> </u>	gran Assess (Aug)		
Infamo dian	Bill Barr	Daryl	Skomer	Ed Hope	Betty Patterson
	509-998-2476	509-2	209-3643	570-8333	214-9522
Please direct club correspondence to the	the Committee		L	ead	Contact
clubs mailing address.	Charity Committee		Jillian Robison		509-701-0983
IEMTFCA PO Box 11708 Spokane Valley,	· ·		Steve/Julie Heid		509-928-0215
WA 99211-1708	Email/Mailing/Roster/ Membership/Printing		Jim Patterson		509-214-9522
	Entertainment/Programs		Tom Carnegie		509-922-1805
Dues The yearly dues are \$20 per year from an	Fenderchatter		Diane Swa	inson	Fenderchatter@ gmail.com
	Greeting Committee		Mike Stormo		509-725-4531
individual or family and due by January 31st of	Library		Gene Kicha		509-926-4872
each year. Please renew your	Nametags and Patches		Steve & Julie Heid		509-928-0215
membership or join the	Photographer		Jillian Robison		509-701-0983
club as a new member. We look forward to	Refreshments		Candy Burgess		509-924-0898
seeing you.	Roster Cover Roster Editor/publisher		Glen Whitely Jim Patterson		509-926-4872 509-21 4-9522
All items to be published are due by the 20th of the month.	Safety/Seminars		Mike Robison		509-844-5900
	Scrapbooks/ Photo Album		Roy Moffit		509-449-6305
			Susie Carnegie		509-922-1805
Please send photos, articles and anything	Swap Meet		Daryl Skomer		509-209-3643
else for the newsletter to fenderchatter	L OURO		Mike Robinson & Hal Moffit		509-844-5900 509-924-9161
@gmail.com	Webmaster/Facebook at Inland Empire Model T		Mike Robis	son	www.spokanemodelt club.com

The monthly meeting begins at 7:30 PM on the 1 st Friday of each month at the Opportunity Presbyterian Church, 202 North Pines, Spokane Valley, WA. Our next regular metting is September 5, 201 4 at the church. A reminder for anyone wishing to join other T Club members for the regular pre-meeting dinner that it will be at 5:30 - 6:00 PM at Conley's Restaurant next to the White Elephant just eat of Pines at 1 2622 E. Sprague in the Valley. We Hope to see you there!						
Model T Ford	because each one has three different numbers					
Transmission Components	of rings of gear teeth or ratios.					
The Model T transmission is perhaps the least understood parts of the Model T Ford. In all the research I've done, the transmission seems to have the least amount of explanation available, or, well at least not in "lay" terms, simple, for the non mechanically minded. So, here's my effort at explaining just what goes on.	Next in line is the driven gear (fig 1 #5), this is mounted on the transmission shaft against the flywheel, but not "locked" with it, so that it can spin independently of the shaft/flywheel.(its locked to the brake drum, but we'll get to that later) The Driven gear is meshed with the first set of gear teeth on the Triple gears (see fig 3 below), closest to the flywheel. (think of the driven gear as the sun, and the triple gears the					
It assumes a basic understanding of mechanical	planets spinning around it)					
components, so if you don't have this, let me know and I'll see if I can fill in any blanks. I've done the above animated diagram to help those of us that need to visualise things to get an understanding. The first thing to do is understand the different components so that you can make the link between the explanation and the component and its action. Lets start at the flywheel at the back of the engine.	Next we have the reverse speed drum and gear (fig 1 #6). The reverse drum gear is fixed, so whatever the gear does, the drum does. This drum slides onto the transmission shaft, and the gear meshes with the triple gear teeth set that are furthest from the flywheel. Next in-line is the low speed drum and gear (fig					
Exploded view of the drum assembly Page 5	1 #7), this gear also fixed to its drum, protudes further out from the drum than the one on the					
The Flywheel (fig 1, #1) obviously provides the motion that is transferred through the transmission. It provides the transmission shaft mounting(fig 1 #3) (that the rest of the main components rotate on) and three small shafts or pins (fig1 #2), that the triple gears rotate on.	reverse drum, this is because it passes through the centre of the reverse drum and gear, further than the reverse gear and therefore able to mesh with the second set of teeth on the triple gears. See figure 3 below to see the relationship between each gear. (note, it's not really necessary to understand why they are aligned this way, suffice to say its to ensure the gear					
As mentioned, the Triple gears (fig 1 #4) mount on their pins with the flywheel, rotating with it, but also able to rotate on their own pins in either	ratios work and allow the right motions to occur when required					
direction at the same time as they rotate with the flywheel. (Picture how the Earth rotates on its axis, as well as rotating around the sun at the same time, hence the term Planetary transmission) The Triple gears are named, not just because there are 3 of them, but also	continued on page 5					

WE'RE	THINKING	OF YOU

Update at the August picnic ~Susie~ September October November

Candy's Cookie Corner

Tina & Daryl Skomer; Candy & Lee Burgess Joe Swanson; Joanne Jepperson Rebecca Gibson; Susie Carnegie

Tours and Activity Reports

CHECK THE CLUB WEB SITE FOR SPUR-OF-THE-MOMENT EVENTS.

Tours may be arranged at the last minute so check the club web site Calendar of Events at http://www.spokanemodeltclub.com for the latest activities.

UPCOMING EVENTS

Aug 7 – Grandview, WA parade – Meet 1:00 PM Albertson's on Trent - Contact Nan Robison Aug 30- Sep 1- Labor Day Speedster Endurance Run - Dayton, WA – contact DaJuan Recknagle

Sep 5 – Monthly T Club meeting

Sept 6 - Hassie Club "All Original" Car ShowSep 1 4 - Edwall & Sprague, WA Tour - Dave Thompson's car collection – Contact Jim P.

Sep 20 -Drive in Movie night @ Mike and Jil lian Robison'sSep 1 4 - Edwall & Sprague, WA Tour Dave Thompson's car collection – Contact Jim P.

Oct 3 - Monthly T Club meeting

Nov 7 - Monthly T Club meeting

Dec 5 - Monthly T Club meeting

Jan 9 - Annual Installation Banquet—Airport Ramada Inn - Contact Steve / Julie Heid

Contact Gene Kicha or Jim Patterson for tours

Tuesday Nights at the Ranch

A number of T owners taking advantage of Tom Carnegie's generous contribution of his shop's facilities on Tuesday evenings along with his employees' (Mike Robison and Mark Hutchinson) expertise in fixing, repairing, and building Model T's. . Come on out on Tuesday evenings around 4:30 – 5:00 with your T parts and join in on the fun and camaraderie.

http://www.antiqueautoranch.com



Also, Check out the info on Spokane Model T Club wesite: www.spokanemodletclub.com And available on Facebook: Inland Empire Model T Club



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In between each larger disc is a small disc that engages with the clutch disc drum, these are sandwiched and rely on engine oil to provide lubrication and prevent wear. The clutch disc drum is fixed to the end of the transmission shaft and therefore rotates with it, as do the small clutch discs.

The next part of the assembly is the clutch push ring, this as its description suggests, pushes against the clutch discs and it in turn is acted on by the driving plate and clutch fingers. The driving plate (fig 2 #4) provides the physical link between the driveshaft and rear axle. It is bolted to the brake drum and therefore connected to the driven gear. It also comprises the clutch spring (fig 2 #5), the spring providing clamping pressure which is "magnified" by the lever action of the clutch

fingers and "sandwiches" the inner and outer clutch discs together when required by passing pressure onto the push ring (fig 2 #3) through holes in the driving plate. Figure 3 shows the entire drum assembly mounted with all the triple gears, driven gear and transmission gears meshed and mounted to the flywheel. Externally, the transmission controls are three floor pedals, one for the low speed drum (and high speed/clutch control), one for the reverse speed drum and one for the brake

drum. In addition the emergency brake lever. This provides two actions, it pulls on the rear emergency brakes as well as acting on the clutch spring, either allowing or preventing the spring from acting on the clutch discs. Each floor pedal clamps a transmission band around the outside surface of its respective drum, the action of which is explained next. Before proceeding however, it is important to note that the low/high speed pedal also acts to disengage the clutch spring pressure (as does the handbrake lever) when held in the "neutral position"



(remember the driven gear spins freely on the transmission shaft, so when its still, the shaft spins inside it) because they are all joined together.

Flywheel, transmission shaft, clutch disc drum, small clutch discs all spin, because either the emergency brake lever or the driver (via the low speed pedal) is holding the clutch spring pressure off the discs, allowing the large to be stationary and the small to spin with the clutch disc drum and small discs.

All drums can, and to some degree will, spin when the car is in neutral, unless held by the bands when a pedal is depressed.

http://www.modeltcentral.com/transmission_animation.html

FOR SALE / WANTED / SERVICES

For pictures of ads, if available, go to the Spokane Model T Club website www.spokanemodeltclub.com/for-sale.php

For Sale: '27 Canadian Model T Roadster / Pickup, s.n. 14,707,500 with '25 rebuilt engine, transmission, starter, generator, and Ruckstell rearend. New 21" tires, all woodwork rebuilt, new seat springs; just needs final cosmetics and painting. \$10,250. Also have 1912 T chassis (\$8,500) & '17 T chassis (\$10,000).– Eric Stendell - 509-680-0355 (Colville, WA). 3

