

Vehicles & Equipment NOW >

Tahoe >

replace power steering pump

ck codes

Install backup camera on Tahoe

Change oil in Tahoe

put wax on Tahoe roof to prevent more clear-coat damage (look online for best way to deal with this), fix interior ceiling fabric

fix stereo and speakers (see notes in Tahoe section)

Does tahoe have one ignition coil and a distributor cap or individual coil packs on each spark plug - tahoe engine washing problem with misfire might be due to bad coil (or coils on spark plugs if it has them) – or maybe a vacuum leak

Take Tahoe back into Schultz tire to figure out why it is still pulling to the right

where is oil leak coming from? – Jack up Tahoe and pressure wash engine >> check all fluids under car (or change)

Ck compression on Tahoe when I change plugs

Check brakes and resurface rotors

Tighten emergency brake – check rear brakes on Tahoe (does this fix loose emergency brake cable?)

Brake and ABS lights coming on at same time can sometimes be fixed by replacing wheel speed sensor wire or cleaning contact points?

Transmission >

change filter in Tahoe transmission and return one I don't use

change ac filters in tahoe (under dash)

overdrive not working on tahoe

change transmission fluid? - Ck differential fluids (drain?) - Change differential oil – front, sae 80w90 gl-5 gear oil / rear, sae 75w90 synthetic gear oil

Change transmission fluid in Tahoe

Change transmission filter

Change transmission fluid (Dexron 3 atf) – Monroe Transmission - \$130 standard flush, \$210 full flush, do they know why overdrive/"tow haul" button does not work?

Tahoe a/c >

3 main components > Condenser - radiator thing behind grill / Accumulator - silver canister that filler tube connects to / Compressor - spinning part under engine connected to serpentine belt

Check if AC is holding pressure on Tahoe and if so find out where to evacuate system

get refrigerant (about 30oz for front only, or 45oz including rear system), get dye and uv light to check for leaks

All fuses are good

Condenser sensor/switch was replaced

Bypassing condenser kicks on a/c compressor clutch, so clutch should not be the problem

With freon full and bypassing the clutch, there is still no cold air but compressor comes on when filling low pressure side to 40psi but then backs down to 5psi and slowly leaks out

Freon does have a slow leak - high side pressure is 30psi (should be 150-250) - after testing, the high side valve was leaking and all freon escaped, replaced valve

Make sure a/c clutch is running when checking freon level - jump it at the relay or at the new clutch switch - ck all of the a/c fuses, see video

Ck for another a/c pressure switch (there should be 2, one on high side and one on low side)

Ck bypass again to see if clutch is switching on

Ck that new ac clutch switch is working

Replaced a/c clutch cycle switch Aug 2021

What's up with Tahoe a/c? – there is not much pressure when pushing on fill valve, why? - bad compressor / maybe it's blocked (by debris) or broken condenser

does Tahoe a/c need or use R-22 refrigerant?

when ac compressor kicks on in tahoe it makes a rattling noise, is it going bad?

Should I recharge a/c on Tahoe?

2

fix cracked window visor

Seal leak in Tahoe roof

grease doors

Tint front windows

Figure out if I can do a lift on the Tahoe myself – 12-14in from tire to wheel well?

Fix emergency brake in Tahoe

Check light under dash in Tahoe if it goes to an alarm

Does timing belt need to be replaced?

Fix dent in tahoe

“service 4WD” – possibly needs new electric module (transfer switch to switch into 4x4, located on dash) on transfer case (\$35 on EBay) or transfer case control module (tccm)

Tractor >

Engine removal >

Disconnect hydraulic pump (disconnect long hoses at top) - see pictures, to remove the engine there is no need to remove the hydraulic pump, but it is necessary to remove the hoses on the left of it and then the hoses on the right you can just remove the upper connections

Remove battery

Remove engine mounts

Slide engine out

If necessary, remove starter temporarily in order to slide engine out further to get to parts to replace OR reconnect starter and battery to start engine and test for problems (eg, look for leaks, check compression, etc)

Replace rings >

Order rings (and new head gaskets to replace again when I change the rings)

Compression on the left is 170psi, on the right it's 135psi

Piston rings should probably be replaced at some point, since it seems oil is getting into right cylinder and fouling the plug prematurely

Carbon build up on tractor >>

Rings on cylinder are bad and allowing oil to get to spark plugs, air cleaner is dirty so it is burning too rich, some other adjustment is off allowing too much fuel and burning too rich

Piston/cylinder repairs > gland nut face spanner wrench is name of tool to remove end of cylinder ram/piston in tractor cylinder/arm

Stripped/broken bolts to fix >

Stripped front left engine mount bolt (closest to fuel filter)

Stripped bolt on top oil breather plate (see other notes)

Broken bolt that holds top shield over left head cover

bucket blades >

Measure tractor buckets to order steel edges - check online for actual recommended width

Small bucket - 34.5 long, 3-3.5 wide, 1/2in thick

Large bucket - 47.5 long, 3-3.5 wide, 1/2in thick

Medium bucket - 1/2in thick, 3in wide?, 41in long - grind it off and see if it can be flipped and rewelded "Plow steel" with beveled edge, call Gurlinger in Sac 530-406-0492 - measure thickness and length and if it is single or double beveled

Service needed >

- Figure out leak and service the hydraulic speed components on tractor - print pages
- Order more of the hydraulic connectors since they are leaking at trencher hose connections
- It appears I may have stripped the hole on the left spark plug on the tractor Nov22 – it went in too tight so I probably cross-threaded it – probably a good idea not to fix or replace it until I work on the engine
- Flush the tanks next time I run out of gas in the dingo
tighten throttle
- Figure out how to attach hood to tractor
- Figure out how to move tractor by releasing hydraulic lock
- why isn't hydraulic flow/control adjustment working – the thing with a hex wrench through it?
- Flames shoot out of carb - running to rich, maybe a problem with carburetor
- tune-up trencher (ck oil) – teeth > Pengo aggressor 40/50 011 408EG 134819
- Tip > Pengo 1547614 tri-flow 1673 M – Ck tip measurements for auger, order on Amazon? - 3.5x1.5 pango auger teeth – can I get rock auger pilot \$400, rock auger teeth \$20

Golf cart >

- Remove shift cables from golf cart and test – spray wd-40 into cable sheathing
- Use solvent to clean air filter
- Zirc grease on primary and secondary clutches
- replace vacuum hoses?
- Replace fuel filter under gas tank
- Change rear axle lube
- Install more snaps around door for cover
- Take apart speaker with volume problem in golf cart and spray wd-40
- attach metal strips on side better
- paint and repair cracks on golf cart
- Paint hub caps (possibly order new ones)
- LED lights underneath
- put other light on roof with switch to use as spotlight?
- How to make quieter and smell less?

Golf cart (to fix backfire) >>

- How many turns on low idle carb screw (rev engine at lowest idle and adjust until it sounds right)
- Make sure there is muffler gasket and it is sealed well (ck for holes in exhaust) – Ck exhaust gasket between exhaust manifold and muffler to make sure there is no gas leak
- Adjust throttle cable (see saved website)
- Ck idle screw and the idle mixture screw
- Make sure throttle plate fully closes
- Slight depress of pedal, cart should idle not take off – turn idle off or "slow" to make it so it just idles when start to press gas, but does not go?
- It has a rev limiter and a governor (make adjustments for optimal performance)
- Adjust valves (at TDC), check gasket
- How to adjust valves....take the 4 valve cover bolts off and remove the valve cover and remove the spark plug. using a screwdriver into the spark plug hole, turn the engine over (by hand!) by turning the primary clutch till the piston is at "top dead center" or "TDC". Use a 4 thousandths feeler gauge between the top of the valve stem and the rocker arm adjustment bolt head. If there to tight, the valve can't close, if to loose..you could lose a push rod when reving it up. To adjust, if needed, loosen the 10 mm "jam nut" on the adjuster screw, then ever so slightly, turn the adjuster screw (clockwise to tighten) till there is a "slight drag" on the feeler gauge, then tighten the jam nut and check wit the feeler gauge for tightness. You will need to do this several times, because the "tightening of the jam nut will affect the adjustment. Then, it is VERY important that you turn the engine over (back to TDC) and recheck the settings. I myself usually turn the engine over and check about 5 times to make sure the adjustment is correct. Reinstall the spark plug and the valve cover and give it a run

White truck >

***organize notes below**

ck codes

Figure out if work truck has a fuse for constant power supply for trailer battery like tahoe

40 amp fuse for Tahoe supposedly provides constant power to trailer battery - test it after installation - make note on stud number one on my website diagram

Tighten shifter and fix gauge in truck dash

oil sensor switch

replace the rest of the plugs and tops and check compression in each one - changed the plugs and the one in the back on the left pushed the Halicoil down so I had to insert a second helicoil (maybe use a Time cert instead?) – CalVan Tools 38900 Ford Spark Plug Insert Installer - \$256.25

transmission guy - main thing is it's slow to take off from a stop like it will not go into low gears

2

Replace interior light in truck?

Range >

***organize notes below**

Get rear range tires replaced

Fix speaker

Possible solutions for loss of power at high speed > reset throttle valve accentuator?

Talk to range Rover guy about the car slipping at high speeds I can give it gas and it isn't shifting into gear and all the sudden you slow down a little bit in it will get back into gear

Schedule work on range, see text

Range - ck for leak, engine air filter, cabin filter, ck SOS service problem with speaker by rear view mirror
530-830-1882 text for MV auto - Range repair - brakes, fix heater and a/c (change in-cabin filter), why
slow loss of radiator fluid

Take range in to check for coolant leak

It still does the power down thing at high speeds (where it loses power temporarily)

PT cruiser >

***see notes**

ck codes

Drive PT cruiser around to figure out what is going wrong - it's running poorly, but not showing ck engine
light or codes

Brown truck >

***see notes**

ck codes

Ski boat >

***see notes**

Equipment >

***organize notes below**

Compactor >

Compare holes in idle screw piece between old and new carburetor

why so much exhaust smoke coming out of valve cover breather tube on compactor? - Change air filter
in compactor and install new valve gasket?

Trailers >

See tik tok saved video for dump trailer - use my solar panel to charge and add remote dump from
harbor freight

Maintenance

*Tire ratings >> D rated tires are for boat trailer (occasional use), R rated are radials that are design for more frequent use

Range	Oil	Last oil change > Jun21 – 61,800 Castrol Edge Professional 5w-20 / 6qts & Napa 41348 filter oil plug wrench size – 15mm
	Last smog ck	
	Last brake change	
	Spark plug	Type / gap / wrench size?
	Tires	Front/Rear PSI – 40/35 / Size:
		Cheapest = \$?/tire Americas Tire – \$ Souza Tires – \$ Les Schwab – \$
	Last tire change	

Tahoe	Oil	Last oil change > Jan20 – 238,083mi Synthetic 5w-30 / 6qts) & Napa 1042 filter oil plug wrench size – 15mm or 5/8”
	Last smog ck	
	Last brake change	
	Spark plug	ACDelco R44LTSM 19302729 / gap? / wrench size?
	Tires	Front/Rear PSI – 51? / Size: P265/70 R16 (6 lug)
		cheapest = \$125/tire (Americas Tire) Souza Tires – tire size: P275/70 R16 - \$380 Les Schwab - \$410 tires - P275/70R16, Toyo Open Country
	Last tire change	Rear Dec22 / Front – need to do in Feb/Mar

PT Cruiser	Oil	Last oil change > Synthetic 5w-30 / 4qts) & Napa 1348 filter oil plug wrench size – 15mm or 5/8”
	Last smog ck	
	Last brake change	
	Spark plug	Type / gap / wrench size?
	Tires	Front/Rear PSI – 44/51 / Size: 205/55 R16
		Cheapest = \$?/tire Americas Tire – \$ Souza Tires – \$ Les Schwab – \$
	Last tire change	

1999 F-250	Oil	Last oil change > Synthetic 5w-30 / 6qts) & Napa 1372 filter oil plug wrench size – 15mm or 5/8”
	Last smog ck	Jun20
	Last brake change	
	Spark plug	Autolite AP103 / .054 gap / wrench size - 5/8in
	Tires	Front/Rear PSI – 80 / Size: LT235/85 R16
		Cheapest = \$/tire Americas Tire – \$ Souza Tires – \$ Les Schwab – \$
	Last tire change	

1993 F-150	Oil	Last oil change > 5w-30 (5qts) / Napa 31515 filter
	Last smog ck	
	Last brake change	
	Spark plug	Type / gap / wrench size?
	Tires	Front/Rear PSI – 35/50 / Size: 235/75 R15
		Cheapest = \$/tire Americas Tire – \$ Souza Tires – \$ Les Schwab – \$
	Last tire change	

Tractor	Oil	Last oil change > 10w-40/2qts & Napa 1056 filter
	Spark plug	Champion 71 RC12YC / .040 gap / wrench size - use 5/8 socket with ¾ open-end wrench
	Tires	Front/Rear PSI – 44 / Size: 18x 8.50-10 NHS,lugs - 13/16 socket
		Cheapest = \$100 for tire only (Amazon)

Golf cart	Oil	Last oil change > 5w-30
	Spark plug	NGK BPR5ES / .028 gap / wrench size?
	Tires	Front/Rear PSI – 25 / Size: 205/30-14 (old?)

Trailer tires		
	Dump trailer	Front/Rear PSI – 80 / Size: ST235/80 R16, 6 lugs (13/16 socket)

	cheapest = \$110/tire (Trailer King: Souza) Americas Tire – \$140 Omni Trail (from Schultz) – price?
Tractor trailer	Front/Rear PSI – 50 / Size: ST205 75/R14, 5 lugs
	\$80-100 each
Small trailer	Front/Rear PSI – 50 / Size: ST205/75 D14?
Motor boat trailer	Front/Rear PSI – 50 / Size: ST205/75 D14?
Pontoon boat trailer	Front/Rear PSI – ? / Size:

Equipment >>

Use 5w-30 oil in everything that recommends straight 30w oil
Use 10w-40 for tractor and rototiller

5w-30 oil >

\$25 – 5qt Napa full synthetic from Riebes

\$28 – 5qt Castrol full synthetic from Amazon (\$12/qt at Riebes)
with castrol synthetic they say you can go up to 20k miles

Compactor > Champion plug RN11YC4

Rototiller > NGK plug B4-LM (gap .028-.031)

Welder >

- Ck chart on welder for wire size and material thickness for best settings
- Slower line speed and lower voltage are for thicker metal
- Adjust wire tensioner wheel