



POST REPLY

Page 1 of 2 **1** 2 > 

Thread Tools

12-12-2010, 11:48 PM

**Stylist07**

Banned



Drives: MKV R32  
 #1238 Deep Blue  
 Join Date: Mar  
 2010  
 Location: Dallas  
 Posts: 1,446

**MKV R32 Rear Diff Oil Change**

Hello guys

I deside to change my rear diff. oil at 28k miles on my R32. It was very quick and easy, anyone can do it.

First thing i did was run around the block a few times to heat the rear diff up a lil cause it was cold as shit today.

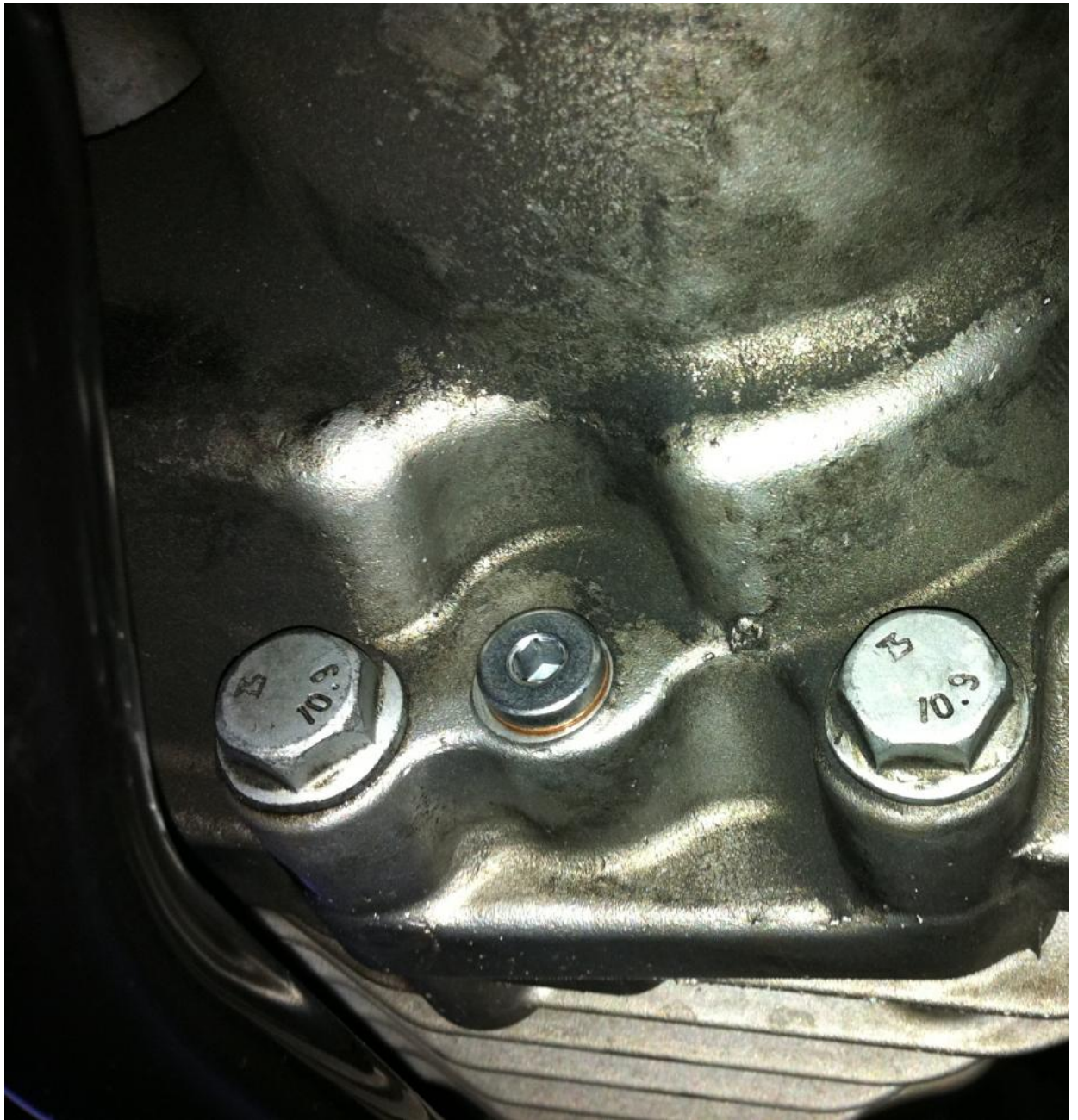
Once i got back home i pull u backwards and loaded my car on ramps.

Tools u will need

1. Rear Diff Oil G-052-145-S2
2. Fluid Pump - from Autozone - I up dated the Fluid pump mod on this page a few post down
3. 1/8 Brass Filler Screw
4. 30 torx or u can use a 5mm Allen Key / Up to u
5. 2 Rear Diff Plug Screws
6. This plug is the same as the Filler on the Haldex



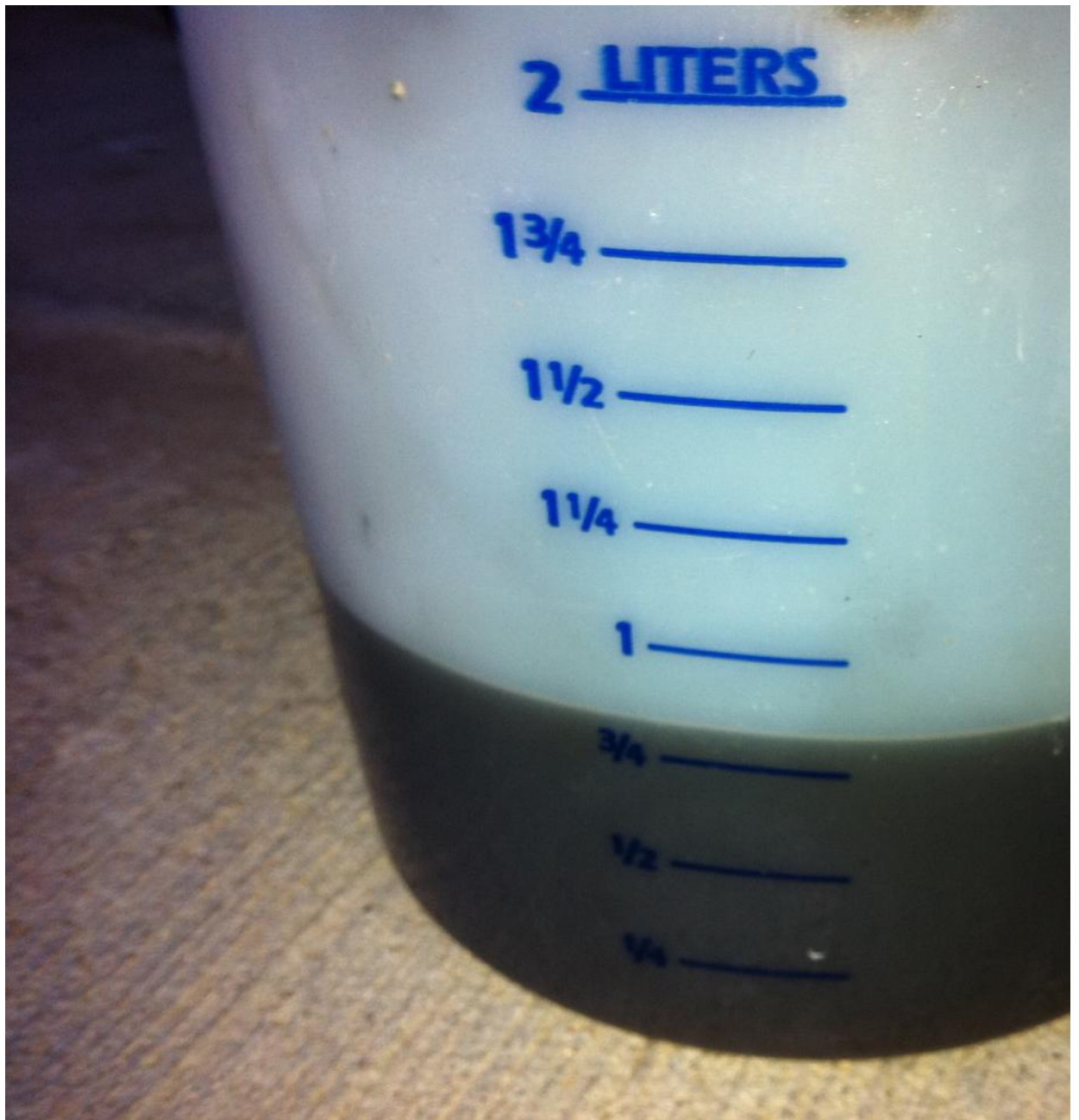
First take the the top filler screw out. The fluid should not come out at this point.



Now u can take out the bottom screw and let all the fluid drain out this beast.LOL







Once all the fluid is drained out and barely dripping, now u can put the New drain plug back in. I tightened the drain plug to 10ft.lb.  
Also u are going to put in the 1/8 Brass filler tool, every thing should look like this.





Once the brass fill tool is in now u can slide the Fluid Pump hose on to the Brass pipe. I used a clamp to tighten it down so no fluid comes filling.



After u pump all the oil out of the diff bottle then take of the hose, then u can take out the brass nipple. U should have no fluid/oil coming starts to drip.

Now u can put in ur Top Fill Plug/screw and tighten it to 10ft.lb. and ur done! 🤔

Now take ur R32 off the ramps and go around the block and on the highway and get up to at least 60-80 but very gentle and not too hard It should feel very smooth and nice. 🥰👍

*Last edited by Stylist07; 12-24-2010 at 12:26 AM.*



12-13-2010, 04:15 AM

#2

### **itouch**

Touring Car Newbie  
🚗 🚗 🚗 🚗 🚗

Drives: R32  
Join Date: Mar 2008  
Location: somewhere  
Posts: 187



Very nice diy, thank you for your support to the R owners.

QUOTE

12-13-2010, 09:28 PM

#3

## Stylist07

Banned



Drives: MKV R32 #1238 Deep Blue  
Join Date: Mar 2010  
Location: Dallas  
Posts: 1,446



Thanks man no problem!!!!!!

That what Im/we are here for.

This DIY was very easy and simple and took only 15mins.

Enjoy the DIY Thread

QUOTE

12-14-2010, 02:08 PM

#4

## ywang98

Touring Car Champion



Drives: R32-4230  
Join Date: Jan 2007  
Location: Orange County, CA  
Posts: 224



Nice!

Where can I buy a pump for that kind of bottle? (should be good for the Haldex, no?)

Thank you.

QUOTE

12-14-2010, 08:51 PM

#5

## Wehrmacht

German-o-phile



Drives: 2008 R32  
Join Date: Aug 2010  
Location: North TX  
Posts: 67



trying to do rear diff, haldex and engine oil tonight..

So far rear diff fail - the fill bolt was stuck on and has been stripped. Damn torx 30 just ate right thru the soft bolt.

QUOTE

12-14-2010, 09:49 PM

## Stylist07

Banned



Drives: MKV R32 #1238 Deep Blue  
Join Date: Mar 2010  
Location: Dallas  
Posts: 1,446

Quote:

Originally Posted by **Wehrmacht**  
*trying to do rear diff, haldex and engine oil tonight..*

*So far rear diff fail - the fill bolt was stuck on and has been stripped. Damn torx 30 just ate right thru the soft bolt.*

Ouch!!!!!!

That happen to me on my Haldex Fill bolt.😞

I was using a Hex/allen key and it stripped the bolt quick!!!!

Then i used the 30 trox and it took it out with no problem. I also used a 1/4 drive Ratchet, that way u dont put allot of strain on these aluminum soft bolts.

Be very gental on these bolt, rear diff and haldex

Quote:

Originally Posted by **ywang98**  
*Nice!  
Where can I buy a pump for that kind of bottle? (should be good for the Haldex, no?)  
Thank you.*

I bought my pump from Autozone for like \$7 bucks.

This pump works on the haldex and the rear diff bottle. But on the rear diff bottle the lid does not fit on this bottle, i had to modify mine.







12-14-2010, 09:53 PM

#2

**Stylist07**

Banned  


Drives: MKV R32 #1238 Deep Blue

Hey Wehrmacht

U should use a pair of Vice Grips on the Filler bolt on the diff!!!!!!

This should work and comes in handy with this stripped bolts.

Join Date: Mar 2010  
Location: Dallas  
Posts: 1,446

Just put allot of squeeze on the Vice Grips and turn till u break the tension on the bolt. Clamp down hard and turn till it loosens.

I hope this helps



QUOTE

12-15-2010, 12:59 AM

#8

## Wehrmacht

German-o-phile



Drives: 2008 R32  
Join Date: Aug 2010  
Location: North TX  
Posts: 67



Yup I ended up getting it.. I think when I took a closer look it appears that they are hex/allen bolts and not torx.

Either way, that filler bolt was just stuck on mine.. when I used the allen key, although it was pretty well stripped out - it came out.

My socket and wrench are cheapo - and not compact enough to reach the 24mm Haldex filter... so that will have to wait.

Thanks guys.



QUOTE

12-15-2010, 02:41 AM

#9

## 4Motioner

4Motion, baby!



Drives: -07 Golf V 2.0tdi 4Motion  
Join Date: Jun 2010  
Location: Finland  
Posts: 511

I need to do this when I change my Haldex fluid next weekend. Anyone know the viscosity of the oil that should go in the diff? I'm asking because I don't want to pay top dollar for OEM fluid and would rather go with something like Redline or such. Used Redline in my old A4 quattro and it seemed to work well.

EDIT: Nevermind! With a bit of digging I found out Gear oil G 052 145 S2 is 75W-90, which is the same as in the A4s, so Redline Synthetic Gear Oil will work fine.

*Last edited by 4Motioner; 12-15-2010 at 02:53 AM.*



QUOTE

12-15-2010, 02:51 AM

#10

## Stylist07

Banned



Drives: MKV R32 #1238 Deep Blue  
Join Date: Mar 2010  
Location: Dallas  
Posts: 1,446

Quote:

Originally Posted by **Wehrmacht**

*Yup I ended up getting it.. I think when I took a closer look it appears that they are hex/allen bolts and not torx.*

*Either way, that filler bolt was just stuck on mine.. when I used the allen key, although it was pretty well stripped out - it came out.*

*My socket and wrench are cheapo - and not compact enough to reach the 24mm Haldex filter... so that will have to wait.*

*Thanks guys.*

awesome i glad u fix that rear diff bolt!!!! 🤖

On the Haldex filter bolt i used a 24 mm with a breaker bar but u can use a ratchet if u can find one small enough.

Good luck bro



QUOTE

12-15-2010, 07:45 AM

#11

## lilboy

Been around the block



Drives: 2008 R32  
Join Date: Dec 2008  
Location: Albany NY  
Posts: 207

Quote:

Originally Posted by **Wehrmacht**

*Yup I ended up getting it.. I think when I took a closer look it appears that they are hex/allen bolts and not torx.*

*Either way, that filler bolt was just stuck on mine.. when I used the allen key, although it was pretty well stripped out - it came out.*

*My socket and wrench are cheapo - and not compact enough to reach the 24mm Haldex filter... so that will have to wait.*

*Thanks guys.*

HAHAHAHAHA,,, I DID THE SAMEEEEEEE THING!!!! i thought for sure that i stripped it and was never ever going to be able to get it out ever again! ... than i tried a 5mm and was like oooooooo... fits with no wiggle! :D

all of these DIY need to be revised, i think its a 5mm allen... not a torx. :/


MKV :R32 , TID paddles, EVOMS intake, H&R springs, 19" Neuspeed forged R10's, full VF engine mounts, Adam's double slotted Rotors, HPS pads, REVO tune, Magnaflow race exhaust.




QUOTE

12-15-2010, 10:15 PM

#12

**Stylist07**  
Banned  
  
Drives: MKV R32 #1238 Deep Blue  
Join Date: Mar 2010  
Location: Dallas  
Posts: 1,446



U got it!!!!!!!!!!

It crazy that u guys are stripping these bolts with the torx bits.



I used a Allen key the first time and stripped the bolts to shits and thought this bolt was gone for sure. So then i thought of using a Torx bit cuz it would grip allot better and in my case IT DID.


So if u want to use a Allen Key or a Torx, it up to u.....

QUOTE

12-16-2010, 09:24 AM

#13

**Wehrmacht**  
German-o-phile  
  
Drives: 2008 R32  
Join Date: Aug 2010  
Location: North TX  
Posts: 67  




Yea it is weird that the torx 30 did work for my drain bolt but only because it was slightly looser- I think they are in fact 5-Hex or allen.


If you take a look at the CV boots while you're down there, the large bolts that hold those into the rear diff: THOSE are torx for sure, I didn't see the same star pattern on our filler/drain bolts when I had my flash light on them.


Still thanks to everyone and especially Stylist for the DIY.

QUOTE

12-23-2010, 04:26 PM

#14

**4Motioner**  
4Motion, baby!  
  
Drives: -07 Golf V 2.0tdi 4Motion  
Join Date: Jun 2010  
Location: Finland  
Posts: 511





Just did this today and fill plugs are definitely 5mm allen. You don't need to replace the plugs either, you can just replaced the copper washer. I bought a whole box of different sized washers at the auto parts store for a few Euros.

QUOTE

12-23-2010, 08:33 PM

#15

**Stylist07**  
Banned  
  
Drives: MKV R32 #1238 Deep Blue  
Join Date: Mar 2010  
Location: Dallas  
Posts: 1,446




That is correct the Filler/Drain plugs are 5mm but i used 30trox bit in my case. worked for me but u can use Allen Key if u please.....

I like to replace the Filler/Drain Plugs cuz Im very Picky when it comes to service work on my Car.....

Do what works for u people.....

QUOTE

12-23-2010, 08:57 PM

**Stylist07**  
Banned  
  
Drives: MKV R32 #1238 Deep Blue  
Join Date: Mar 2010  
Location: Dallas  
Posts: 1,446

This is How u can mod ur Pump to fit the Rear Diff bottle, its very very easy to do and can do it in mins.

Parts list:

1. Fluid Pump- got if for Autozone
2. Rear Diff Bottle
3. Razor Blade
4. 1/8" Brass pipe
5. 1/4" Clamp





First take of the Rear Diff Lid and also Take apart the Fluid Pump as shown in the pic.



Once u get the Rear Diff Lid off then take ur Razor Blade and cut the Lip off the Black lid. Like so





Next, Take the Black modified lid and place it where the lid goes on the white fluid pump.





Now u can put the pump back together and it fits the Rear Diff bottle perfect. U can also put on the brass pipe and the clamp to the botto



Now ur done enjoy..... 🌟👀🌟



09-07-2012, 08:04 AM

#17

**4Motioner**  
4Motion, baby!  
🚗🚗🚗🚗🚗

Anybody have the part number for the rear diff fill plugs? My drain plug is stripped and I need to get a new one. Ended up having to give up on my oil change last night because of that plug! I got the Haldex done though, which is more important since I last did both about 60 000km ago.



Drives: -07 Golf V 2.0tdi 4Motion  
Join Date: Jun 2010  
Location: Finland  
Posts: 511



My Photography blog: [JAJ PHOTOGRAPHY](#)

QUOTE

09-08-2012, 02:46 AM

#18

### RHCP4LIFE

Rally Car Champion



Drives: .:R32  
Join Date: Apr 2011  
Location: Eastern Iowa  
Posts: 333

Quote:

Originally Posted by [4Motioner](#)

Anybody have the part number for the rear diff fill plugs? My drain plug is stripped and I need to get a new one. Ended up having to give up on my oil change last night because of that plug! I got the Haldex done though, which is more important since I last did both about 60 000km ago.

from another one of stylist threads

Quote:

Originally Posted by [Stylist07](#)

should look like this

*[This is the Fill Plug u need - 5mm hex - N-902-818-02](#)*

[Attachment 75606](#)



<http://www.performanceleds.com/>

Last edited by RHCP4LIFE; 09-08-2012 at 10:17 AM.



QUOTE

09-08-2012, 04:40 AM

#19

### ikey3125

FIA World Rally Car Champion



Drives: 2008 .:R32 2763/5000  
Join Date: Jan 2010  
Location: Fairchild AFB/Spokane  
WA  
Posts: 545

But remember the rear diff has 2 of the "fill" plugs, as both are the 5mm ones.

I had to have mine special ordered at the dealer, doesn't seem to be a common part



QUOTE

09-08-2012, 10:16 AM

#20

### RHCP4LIFE

Rally Car Champion



Drives: .:R32  
Join Date: Apr 2011  
Location: Eastern Iowa  
Posts: 333

Quote:

Originally Posted by [ikey3125](#)

But remember the rear diff has 2 of the "fill" plugs, as both are the 5mm ones.

*I had to have mine special ordered at the dealer, doesn't seem to be a common part*

Yes your right. i just pulled that quote form the haldex DIY

I got mine from ECS i think. Its defiantly worth having new before you start this or the haldex change



<http://www.performanceleds.com/>



QUOTE



09-10-2012, 03:37 AM

#21

## 4Motioner

4Motion, baby!



Drives: -07 Golf V 2.0tdi 4Motion  
Join Date: Jun 2010  
Location: Finland  
Posts: 511



Thanks for the part number! I think I'll just go to the local hardware store and pick up some DIN908 plug screws w/ 1/8" thread as the dealer price for these is just ridiculous. 2,71EUR here in Finland for 1, or 65cents at the hardware store.

My Photography blog: [JAJ PHOTOGRAPHY](#)

QUOTE

09-11-2012, 02:10 AM

#22

## Stylist07

Banned



Drives: MKV R32 #1238 Deep Blue  
Join Date: Mar 2010  
Location: Dallas  
Posts: 1,446



Quote:

Originally Posted by **4Motioner**

*Thanks for the part number! I think I'll just go to the local hardware store and pick up some DIN908 plug screws w/ 1/8" thread as the dealer price for these is just ridiculous. 2,71EUR here in Finland for 1, or 65cents at the hardware store.*

Make sure u get a copper washer or ur going to have a leak!!!!

For some reason the plumbing Brass fittings dont have the same threads and u will open up and rethread the holes and may cause thread lock or cross thread!!!!

Good luck man, If i where u i would spend the extra few bucks on the OEM parts or just reuse the old pluggs and replace them the next service.



QUOTE



Page 1 of 2 1 2 >

<< [Previous Thread](#) | [Next Thread](#) >>

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