

# THE IMPORTANCE OF CHANGING FLUIDS

Corrosion Never Sleeps. Fluid Diagnostics will determine when fluids no longer provide adequate protection and performance for your vehicle's safe operation.

To ensure the health of your vehicle, maintain good performance and minimize unexpected repairs, car manufacturers and professional service associations recommend complete routine vehicle inspections to provide a thorough examination and assessment of the major components of your vehicle.

Changing fluids before they reach their functional limit is critical to maintaining performance, reliability, and the service life of your vehicle. By having preventative maintenance services performed on your vehicle, you can expect to:

- Increase Fuel Economy
- Reduce Emissions
- Maintain Your Warranty
- Improve Performance
- Extend Vehicle Life
- Minimize Downtime

Proper fluid preventative maintenance will improve reliability and reduce your overall operating expenses and repair costs over the life of your vehicle. Maintain your Vehicle Warranty by having fluid maintenance services performed regularly.

Customer Name: \_\_\_\_\_ Date: \_\_\_\_\_

## VEHICLE

Year: \_\_\_\_\_ Make: \_\_\_\_\_ Model: \_\_\_\_\_

Mileage: \_\_\_\_\_ Engine Size: \_\_\_\_\_ License Tag: \_\_\_\_\_

VIN: \_\_\_\_\_

Brake Fluid Used: \_\_\_\_\_ Antifreeze Coolant Used: \_\_\_\_\_

Service Performed By: \_\_\_\_\_

## NOTES

\_\_\_\_\_  
\_\_\_\_\_



# ACUTEST<sup>®</sup>2

**AUTOMOTIVE TEST STRIPS**



## ANTIFREEZE COOLANT & BRAKE CORROSION PROTECTION TEST KIT

Since cooling system failure is a leading cause of vehicle breakdowns, and routine brake inspections are essential to safe driving, evaluating the condition of your antifreeze coolant and brake fluid on a regular basis is essential. Simply dip and read the test strips, record the results, and consult with your service provider about what actions are needed.

# ANTIFREEZE COOLANT TEST CUSTOMER CARE CARD INFORMATION AND TEST STRIP

Dip test strip into coolant sample (below 100°F / 43°C) for 2 seconds. **DO NOT OPEN A HOT RADIATOR.**

For long vehicle life regular preventative maintenance is recommended for all fluids. Regular review of the vehicle's antifreeze coolant includes first assessing the coolant level. If the level is low evaluate why it is low before servicing. Once the cause is found and corrected, evaluate the fluid with the test strip, and either service (flush & fill) or top off with the recommended fluid.

- After 40 seconds compare end pad color to Freeze Point/Boiling Point color chart. Coolant should be 50/50 mix. Perform next 2 steps within 30-seconds.
- Compare middle pad color to Reserve Alkalinity color chart. If pad color is 6.6 or greater coolant is good. If pad color is less than 6.6 go to step 3.
- Compare pad color closest to the strip handle to the pH color chart. If the pad color is 6.5 or below, or 11 and above, service is recommended.

## 1 FREEZE POINT/BOILING POINT PROTECTION (FP) - END PAD

For BLUE Coolants For RED Coolants For OTHER Coolants

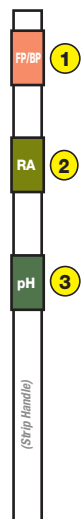
% GLYCOL	For BLUE Coolants	For RED Coolants	For OTHER Coolants	°F / °C
0%	[Red]	[Red]	[Red]	32/250 0/121
25%	[Light Red]	[Light Red]	[Light Red]	10/255 -12/124
33%	[Light Red]	[Light Red]	[Light Red]	0/258 -18/126
40%	[Light Red]	[Light Red]	[Light Red]	-13/262 -25/128
50%	[Purple]	[Purple]	[Purple]	-34/265 -37/129
60%	[Dark Purple]	[Dark Purple]	[Dark Purple]	-60/270 -51/132

## 2 RESERVE ALKALINITY (RA) - CENTER PAD

RA - CENTER PAD
3.0 & BELOW
3.2
6.6
10.1

## 3 pH - PAD NEAREST HANDLE

pH - PAD NEAREST HANDLE
5.0 & BELOW
6.5
7.5
9.0
11.0
13.0



GO TO STEP 3  
↑ Acid Corrosion Protection (Reserve Alkalinity Units)

SERVICE  
PASS  
OK

# BRAKE CORROSION TEST CUSTOMER CARE CARD INFORMATION AND TEST STRIP

For best results, follow the directions carefully.

First check the level of the brake fluid. If the fluid level is low, evaluate the system for leaks and test the fluid before topping off with the recommended fluid. Increasing moisture content reduces the boiling point, inhibiting braking capability. Moisture also acts as a catalyst for corrosion. Regular testing to identify when fluid service is needed helps minimize the detrimental effects of moisture; lowered boil point and corrosion.

- Take a sample of the brake fluid with a pipette and place it into a clean vial. (Alternatively the test strip can be immersed into the brake fluid reservoir.)
- Open the Brake Fluid Foil Pack below and remove the test strip (do not touch the test pad), and immediately place into the brake fluid sample so that the aperture (indicator pad) is in contact with the brake fluid sample.
- Wait one (1) minute, remove the test strip from the brake fluid, and shake once briskly to remove any excess brake fluid.
- Match the color of the test pad to the closest color block immediately (within 15 seconds).

## BE SURE TO USE THE APPROPRIATE COLOR CHART

### DOT 4 COLOR CHART

VIEW THROUGH THE APERTURE → [Aperture]

PASS	[Light Blue]
SERVICE SUGGESTED	[Medium Blue]
SERVICE REQUIRED	[Dark Blue]

### DOT 3 COLOR CHART

VIEW THROUGH THE APERTURE → [Aperture]

PASS	[Light Blue]
SERVICE SUGGESTED	[Medium Blue]
SERVICE REQUIRED	[Dark Blue]

These tests adhere to AMRA/MAP Uniform Inspection Communication Standard guidelines (UICS)