APPENDIX 9 - Maintenance History For Ford Ranger
Vehicle #8210 DOE Test Information

<table>
<thead>
<tr>
<th>Month</th>
<th>Miles</th>
<th>Feb</th>
<th>Feb**</th>
<th>Feb**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jul</td>
<td>40</td>
<td>379</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Aug</td>
<td>73</td>
<td>313</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sep</td>
<td>125</td>
<td>300</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oct</td>
<td>207</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nov</td>
<td>320</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dec</td>
<td>260</td>
<td>817</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jan-99</td>
<td>549</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Miles</td>
<td>4160</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Facts:

Manufacturer's Energy Consumption Information

Range: City: 38 kWh/hr/100miles
Hwy: 43 kWh/hr/100miles
Efficiency: .405 kWh/hr/100miles

Manufacturer's Recall Notices

Jul-99 Recall #99S20
Shift lever in "park" may not fully engage.

Sep-99 Recall #99B17
Add decal to remind operator to keep the vehicle "on plug"
Replace the steering column insert plate with a revised design

Nov-99 Recall #99M05
1998 vehicles may experience premature battery wear out.

Mar-00 Recall #00B37
The current traction battery in some cases may prematurely trigger the "limited operating strategy" (LOS) eventually leading to reduced module energy and poss. Loss of power.
New charging system software has been developed.

Following dependability upgrades will be done contingent on diagnostic testing:
Update/Replace Battery control module
Update/Replace Transaxle Inverter Module
Replace Interface AdapterAssembly Module
Replace Traction Battery Charger
Check Traction Battery Heaters
<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/19/98</td>
<td>Vehicle will not Energize – Replace Battery Pack</td>
</tr>
<tr>
<td>7/98</td>
<td>Install Meter – Odometer 652 – Meter # 02 161 901</td>
</tr>
<tr>
<td>10/21/98</td>
<td>Vehicle will not Energize – Battery low range</td>
</tr>
<tr>
<td>6/11/99</td>
<td>Vehicle suffering Low Range</td>
</tr>
<tr>
<td>6/17 - 6/30/99</td>
<td>Low Range – Replace Battery Pack</td>
</tr>
<tr>
<td>9/30/99</td>
<td>Meter Removed – End of Test Odometer - 4812</td>
</tr>
</tbody>
</table>
# Lou Grubb Ford

**Address:** 8555 Frank Lloyd Wright Blvd, Scottsdale, Arizona 85260

**Contact:** (480) 966-2525

---

## Service Hours
- **Mon - Fri:** 7:00 AM - 6:00 PM
- **Sat:** Maintenance / Light Repair 8:00 AM - 1:00 PM

---

### Invoicing Information

**Invoice No:** 170-8210
**Date:** 04/17/99
**Customer:** vegetable oil
**Vehicle:** Ford
**Serial:** 1F0FJ125353090187
**Vehicle Info:**
- **Make:** Ford
- **Model:** F150
- **Color:** White
- **Stock:** 03040020

---

## Work Done

<table>
<thead>
<tr>
<th>Description</th>
<th>Hours</th>
<th>Rate</th>
<th>Total</th>
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<tbody>
<tr>
<td>110001.00</td>
<td>1.2</td>
<td>75.00</td>
<td>90.00</td>
</tr>
<tr>
<td>F1-04</td>
<td>5.2</td>
<td>31.00</td>
<td>162.00</td>
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**Subtotal:** 172.00

**Total:** 172.00

---

**Payment Method:**
- **Cash:** 0
- **Check:** 0
- **Credit Card:** 0
- **Debit Card:** 0
- **Other:** 0

**Account Code:** 494695

---

**Signature:** [Signature]

---

**Notes:**
- **Technical Info:**
  - **DOB:**
  - **Odometer:**
  - **VIN:**
  - **Engine:**
  - **Transmission:**

---

**Accounting Copy:**

---

**For Questions:**
- **Contact:** Gregory, 480-966-2525

---

**Page:** LAST PAGE
**LOU GRUBB Ford**

8555 FRANK LLOYD WRIGHT BLVD.
SCOTTSDALE, ARIZONA 85260

FOR SERVICE RESERVATION OR INFORMATION (480) 596-2525

---

### Invoice

**DATE:** 11/30/99  
**DAYS:** 12/10/99

<table>
<thead>
<tr>
<th>PARTS</th>
<th>REORDER</th>
<th>CHARGE</th>
<th>QTY</th>
<th>RATE</th>
<th>AMOUNT</th>
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<tr>
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<td></td>
<td></td>
<td>1.0</td>
<td>10.0</td>
<td>10.0</td>
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<tr>
<td>99917B</td>
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<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td>99917J</td>
<td></td>
<td></td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
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<td></td>
<td></td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
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</table>

**DESCRIPTION:**
- **RECALL 51:** RECALL 51 COMPONENT UPGRADE
- **OPERATION:** TECH HOURS 64.44

**OMC**
- **PARTS/CHARGES**
  - **PARTS:** 629.9
  - **MACHINICAL:** 236.4
  - **TOTAL:** 866.3

---

**CUSTOMER COPY**

525025
<table>
<thead>
<tr>
<th>PART NAM</th>
<th>TOTAL PARTS</th>
<th>TOTAL LABOR</th>
<th>TOTAL CLAIM</th>
<th>SUB TOTAL</th>
<th>ALLOWANCE</th>
<th>PLUS PRICE DIFF</th>
<th>LESS REC</th>
<th>TOTAL CLAIM</th>
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</table>

**INVOICE TO:** [Name]
**ADDRESS:** [Address]
**PHONE:** [Phone Number]

**DEALER CODE:** 713178
**P & A CODE:** 20023

**INVOICE DATE:** 12/10/99
**INVOICE NO:** W3112
**MILEAGE:** 159,159

**PARTS & LABOR INFORMATION**

<table>
<thead>
<tr>
<th>PARTS</th>
<th>LABOR</th>
<th>TOTAL</th>
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**FACTORY PARTS**

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<th>PRICE</th>
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</table>

**REPAIR TYPE OR VISIT CODES**

<table>
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<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
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<tr>
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</table>

**SUBTOTAL**

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<tr>
<th>PARTS</th>
<th>MECHANICAL LABOR</th>
<th>TOTAL CHARGE</th>
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<tbody>
<tr>
<td>1,219.02</td>
<td>217.60</td>
<td>1,436.62</td>
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**PAYMENT DISTRIBUTION**

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<th>PARTS</th>
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</thead>
<tbody>
<tr>
<td>4802.93</td>
<td>4802.93</td>
<td></td>
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</tbody>
</table>

**IF YOU HAVE ANY QUESTIONS - PLEASE SEE A GREY YUH**

**CUSTOMER COPY**

**525026**
Vehicle #8211 DOE Test Information

<table>
<thead>
<tr>
<th>Month</th>
<th>Miles</th>
<th>Feb</th>
<th>Miles</th>
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<tbody>
<tr>
<td>Jul</td>
<td>427</td>
<td>Mar</td>
<td>524</td>
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<td>Aug</td>
<td>314</td>
<td>Apr</td>
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<tr>
<td>Sep</td>
<td>353</td>
<td>May</td>
<td>929</td>
</tr>
<tr>
<td>Oct</td>
<td>308</td>
<td>Jun</td>
<td>615</td>
</tr>
<tr>
<td>Nov</td>
<td>626</td>
<td>Jul</td>
<td>1049</td>
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<tr>
<td>Dec</td>
<td>1994</td>
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<td>1202</td>
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<tr>
<td>Jan-99</td>
<td>712</td>
<td>Total Miles</td>
<td>11146</td>
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Facts:

Manufacturer's Energy Consumption Information

- Range: 38\text{kW-hr/100miles}
- City: 38\text{kW-hr/100miles}
- Hwy: 43\text{kW-hr/100miles}
- Efficiency: 0.405\text{kW-hr/100miles}

Manufacturer's Recall Notices

- Jul-99 Recall #99S20
  - Shift lever in "park" may not fully engage.
- Sep-99 Recall #99B17
  - Add decal to remind operator to keep the vehicle "on plug"
  - Replace the steering column insert plate with a revised design
- Nov-99 Recall #99M05
  - 1998 vehicles may experience premature battery wear out.
- Mar-00 Recall #00B37
  - The current traction battery in some cases may prematurely trigger the "limited operating strategy" (LOS) eventually leading to reduced module energy and poss. Loss of power.
  - New charging system software has been developed.

Following dependability upgrades will be done contingent on diagnostic testing:
- Update/Replace Battery control module
- Update/Replace Transaxle Inverter Module
- Replace Interface AdapterAssembly Module
- Replace Traction Battery Charger
- Check Traction Battery Heaters
**Maintenance Log Vehicle # 8211 APS**  
**Electric Ford Ranger**  
**Vin # 1FTZR1079WTA43623**

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/19/98</td>
<td>Vehicle will not Energize – Battery Charger Replaced</td>
</tr>
<tr>
<td>7/98</td>
<td>Install Meter – Odometer 1616 – Meter # 01 978 164</td>
</tr>
<tr>
<td>10/21 - 11/17/98</td>
<td>Vehicle will not Energize – low range – Replace Battery Pack</td>
</tr>
<tr>
<td>6/11 - 7/6/99</td>
<td>Low Range – Replace Battery Pack</td>
</tr>
<tr>
<td>8/31/99</td>
<td>Meter Removed – End of Test Odometer - 12762</td>
</tr>
<tr>
<td>------------------------------</td>
<td></td>
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</table>

**CONCERN #1:** NO START - BATT LOW RANGE

**TECHNOTES:**
- TEST BATTERY, NO CODES TEST TMI, NO CODES TEST A/A, NO CODES FINISHITION TEST ORACLE BATTERY TEST S/0 MILES BATTERY DIED CONTACT H/C/LINE REMOVE BATTERY PACK TEST BATTERIES FOUND TEN LOW CELL, REPLACED ALL 39 BATTERIES.
- 5/4 TEST ALL PAGE AT TIME FOR NO LABOR UP IN MANUAL

**FACTORY:**
- CONCERN CD: 002
- CS: 002
- FF: 10505
- REPAIR TYPE: 01 VISIT: 0 CODES:

**TYPE:** 2

**SUPPLEMENTARY CHARGES FOR INVOICE W00518**
- MECHANICAL LABOR: 1001.11
- TOTAL CHARGE: 1001.11

**PAYMENT DISTRIBUTION FOR INVOICE W00518**
- MECHANICAL LABOR: 1001.11
- TOTAL CHARGE: 1001.11
- FAC WARRANTY: 1001.11

**SERVICE HOURS:**
- MON - FRI: 7:00 AM - 6:00 PM
- SAT: MAINTENANCE/LIGHT REPAIR: 8:00 AM - 1:00 PM

**LOU GRUBB Ford**
8565 FRANK LLOYD WRIGHT BLVD.
SCOTTSDALE, ARIZONA 85260

**ACCOUNTING COPY**
435951
# Lou Grubb Ford

8555 Frank Lloyd Wright Blvd.
Scottsdale, Arizona 85260

**Service Hours:**
- Mon - Fri: 7:00 AM - 6:00 PM
- Sat: Maintenance / Light Repair 8:00 AM - 1:00 PM

---

## Invoice

**Invoice No:** 448341

**Date:** 12/29/19

**Customer:** [Redacted]

**Vehicle:** [Redacted]

**Vehicle No:** 930326

**Stock No:** 00044009

**Department:** [Redacted]

**Vehicle Information:**
- VIN: [Redacted]
- License Plate: [Redacted]

**Address:**
- 10001 N 22nd Ave
- Phoenix, AZ 85021

---

## Details

**Customer Information:**
- Full Name: [Redacted]
- Phone: [Redacted]
- Email: [Redacted]

**Vehical Information:**
- Make: [Redacted]
- Model: [Redacted]
- Year: 2006
- VIN: [Redacted]

**Service History:**
- Last Service: 02/04/20

**Reason for Service:**
- Document 51 - Data Module Tune-Up

---

## Parts Information

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Price</th>
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<tbody>
<tr>
<td>[Redacted]</td>
<td>1</td>
<td>$72.79</td>
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<tr>
<td>[Redacted]</td>
<td>2</td>
<td>$200.74</td>
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**Total Parts:** $475.99

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## Labor Information

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<th>Hours</th>
<th>Total</th>
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<tbody>
<tr>
<td>[Redacted]</td>
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**Total Labor:** $20.00

---

## Total Charges

**Total Charges:** $1047.99

**Fleet Warranty:** $1047.99

---

**Customer:** [Redacted]

**Repairs:** [Redacted]

---

**Customer Service:** [Redacted]

---

**Owner:** [Redacted]

---

**Service Center:** [Redacted]

---

**Service Department:** [Redacted]

---

**Manager:** [Redacted]

---

**Repairs:** [Redacted]

---

**Owner:** [Redacted]

---

**Service Center:** [Redacted]

---

**Manager:** [Redacted]

---

**Repairs:** [Redacted]
Lou Grubb Ford
8555 Frank Lloyd Wright Blvd.
Scottsdale, Arizona 85260

FOR SERVICE RESERVATION OR INFORMATION
(480) 596-2325

Service Hours:
Mon - Fri.
7:00 AM - 6:00 PM
Sat.
Maintenance / Light Repair
8:00 AM - 1:00 PM

I acknowledge receipt of the parts and labor listed below:

- **Total Claim**
- **Sub Total**
- **Allowance**
- **Plus Price Off**
- **Less Rec.

Surcharged appropriate box

- **Claim Authorized to Submit Claim**
- **Parts**
- **Labor**
- **Total**

If you have any questions, please see a Gregory Mau.
Reprinted 1 Times

---

### Invoice Details

---

### Driver/Owner Information

ARIZONA PUBLIC SERVICE CO
10000 N 23RD AVE BOX 33935 STN 3520
PHOENIX, AZ 85021
HOME: (602) 371-7348
OFFICE: (602) 371-7348

---

### Vehicle Information

---

### Quote After Final Bill

Concern: 51 Cust States Battery Pack has very low range 20 to 25 miles

Operation: Tech Hours Amount
75000a 150 $45.00
150 $45.00

Connection: 51-1 X

---

### Tech Notes

Checked for codes 144 System Pass Non-System Pass TCM System Pass performed battery diag tests 1 low cell. Called hotline talked to Dan U passed. BATT module readings waiting for Ford Motor Co to call back w/ decision. BATT pack runs sent from Ford Motor Co. Clear codes charge. BATT pack readout checked for codes. System Pass all modules. Temperr Cover missing time due to no labor CP4s for Electric Vehicle component replicant.

Factory: Concern 027 Cond Code: 42

---

### Summary of Charges for Invoice 425614

<table>
<thead>
<tr>
<th>Type</th>
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<tr>
<td>MECHANICAL LABOR</td>
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<tr>
<td>GRAND TOTALS</td>
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### Payment Distribution for Invoice 425614

<table>
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</thead>
<tbody>
<tr>
<td>FAC WARRANTY</td>
<td>262.40</td>
</tr>
</tbody>
</table>

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Accounting Copy

481553
Vehicle #1541 DOE Test Information

<table>
<thead>
<tr>
<th>Month</th>
<th>Total Miles by Month</th>
<th>Jan-99</th>
<th>439</th>
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<tbody>
<tr>
<td>Jul</td>
<td>176</td>
<td>Feb</td>
<td>608</td>
</tr>
<tr>
<td>Aug</td>
<td>446</td>
<td>Mar</td>
<td>765</td>
</tr>
<tr>
<td>Sep</td>
<td>327</td>
<td>Apr</td>
<td>33</td>
</tr>
<tr>
<td>Oct</td>
<td>423</td>
<td>May</td>
<td>21</td>
</tr>
<tr>
<td>Nov</td>
<td>134</td>
<td>Jun</td>
<td>410</td>
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<tr>
<td>Dec</td>
<td>344</td>
<td>Jul</td>
<td>589</td>
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<td></td>
<td><strong>Total Miles</strong></td>
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<td>4715</td>
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</tbody>
</table>

Facts:

Manufacturer's Energy Consumption Information

Range: City: \[38\] km/hr/100 miles

Hwy: \[43\] km/hr/100 miles

Efficiency: \[.405\] km/hr/100 miles

Manufacturer's Recall Notices

Jul-99 Recall #99S20
Shift lever in “park” may not fully engage.

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Add decal to remind operator to keep the vehicle “on plug”
Replace the steering column insert plate with a revised design

Nov-99 Recall #99M05
1998 vehicles may experience premature battery wear out.

Mar-00 Recall #00B37
The current traction battery in some cases may prematurely trigger the “limited operating strategy” (LOS) eventually leading to reduced module energy and poss. Loss of power.
New charging system software has been developed.

Following dependability upgrades will be done contingent on diagnostic testing:
Update/Replace Battery control module
Update/Replace Transaxle Inverter Module
Replace Interface Adapter Assembly Module
Replace Traction Battery Charger
Check Traction Battery Heaters
Maintenance Log Vehicle # **1541 SRP**  
Electric Ford Ranger  
Vin # 1FTZR1079WTA41996

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
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<tbody>
<tr>
<td>5/20/98</td>
<td>Pre-Delivery Inspection</td>
</tr>
<tr>
<td>7/98</td>
<td>Install Meter – Odometer 895 – Meter # 02 161 882</td>
</tr>
<tr>
<td>11/9 – 11/18/98</td>
<td>Low Range – Replace Battery Pack</td>
</tr>
<tr>
<td>4/26 – 4/99</td>
<td>Charger not working – Replace charger</td>
</tr>
<tr>
<td>6/14 – 6/21/99</td>
<td>Batteries won’t charge fully – Replace Charger</td>
</tr>
<tr>
<td>7/25/99</td>
<td>Removed Meter – End of Test Odometer - 5610</td>
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</tbody>
</table>
INVOICE TO:
SALT RIVER PROJECT 1541 RICK HEATH
1521 N PROJECT DR
TEMPLE AZ 85281-1206

DATE: 06/14/99

DRIVER/OWNER INFORMATION - INVOICE #292763
SALT RIVER PROJECT 1541 RICK HEATH
1521 N PROJECT DR
TEMPLE AZ 85281-1206

FOR OFFICE USE
TECH: "697B"

MODEL: 920223
VEHICLE INFORMATION
VIN: 1FTUS1974GA146111
_LICENSE NUMBER: AZ G3486

PM: 10043869

ODOMETER IN: 5047
DISTRIBUTION:

CONCERN 31: CUSTOMER STATED BATTERY WENT DEAD AND HAD TO WRENCH LIGHT WAS ON CUSTOM OPERATIONS DUE TO BATTERY CONDITION.

CODE: See tech comments below

FACTORY SERVICE NO. 920223

PARTS: 103809 AA

PAYMENT DISTRIBUTION FOR INVOICE #292763

SUMMARY OF CHARGES FOR INVOICE #292763

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<th>PARTS</th>
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<tr>
<td>TOTAL CHARGE</td>
<td>3940.05</td>
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</tbody>
</table>

IF YOU HAVE ANY QUESTIONS - PLEASE SEE A GREGORY PAU
SALT RIVER PROJECT 1541 HAYE HEATH
1521 N PROJECT DR
TEMPLE
AZ 85281-1206

SALT RIVER PROJECT 1541 HAYE HEATH
1521 N PROJECT DR
TEMPLE
AZ 85281-1206

VIN 1FTZT107MA441996
FAC: 980223

98 FORD RANGER 240 SCAB
WHITE
STOCK: 000453669

TA1: 272 NA; A O INVOICE: PRELIM WAR W
ODOMETER IN 49747

DATES: 03/27/99

CONCERN 51: CUST STATES BATTERIES WONT TAKE A CHARGE
REPAIR TYPE: 01 VISIT 1 CODES -

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>POS</th>
<th>NOTE</th>
<th>DESCRIPTION</th>
<th>QTY</th>
<th>PARTS</th>
<th>COUNT</th>
<th>ALLOWANCE: 1040.50</th>
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<td>FAC 1582</td>
<td>14520 CA</td>
<td>FUSE</td>
<td>1</td>
<td>2449.75</td>
<td>1</td>
<td>2.24</td>
<td>2.24</td>
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<td>FAC 1592</td>
<td>108469 AA</td>
<td>WIRE ASY - CHARGER H</td>
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<td>2449.75</td>
<td>1</td>
<td>2.24</td>
<td>2.24</td>
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SUMMARY OF CHARGES FOR INVOICE: 022814

| PARTS | 3712.79 |
| MECHANICAL LABOR | 332.4 |
| TOTAL CHARGE | 4044.79 |

IF YOU HAVE ANY QUESTIONS - PLEASE SEE A GREGORY NAY

SUBTOTAL | 3712.79 |
MECHANICAL LABOR | 332.4 |
TOTAL CHARGE | 4044.79 |
FAC WARRANTY | 4044.79 |

PAYMENT DISTRIBUTION FOR INVOICE: 022814

| PARTS | 3712.79 |
| MECHANICAL LABOR | 332.4 |
| TOTAL CHARGE | 4044.79 |
| FAC WARRANTY | 4044.79 |

ACCOUNT: 0043606

489406
Vehicle #1542 DOE Test Information

<table>
<thead>
<tr>
<th>Month</th>
<th>Miles</th>
<th>Month</th>
<th>Miles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jul</td>
<td>372</td>
<td>Feb</td>
<td>1071</td>
</tr>
<tr>
<td>Aug</td>
<td>265</td>
<td>Mar</td>
<td>609</td>
</tr>
<tr>
<td>Sep</td>
<td>713</td>
<td>Apr</td>
<td>835</td>
</tr>
<tr>
<td>Oct</td>
<td>1050</td>
<td>May</td>
<td>303</td>
</tr>
<tr>
<td>Nov</td>
<td>567</td>
<td>Jun</td>
<td>727</td>
</tr>
<tr>
<td>Dec</td>
<td>1298</td>
<td>Jul</td>
<td>1079</td>
</tr>
<tr>
<td>Jan-99</td>
<td>1311</td>
<td>Aug</td>
<td>1000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sep</td>
<td>1148</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total Miles</td>
<td>11277</td>
</tr>
</tbody>
</table>

Facts:

Manufacturer's Energy Consumption Information

Range: 38
City: 38
Hwy: 43
Efficiency: .405

Manufacturer's Recall Notices

Jul-99 Recall #99S20
Shift lever in "park" may not fully engage.

Sep-99 Recall #99B17
Add decal to remind operator to keep the vehicle "on plug"
Replace the steering column insert plate with a revised design.

Nov-99 Recall #99M05
1998 vehicles may experience premature battery wear out.

Mar-00 Recall #00B37
The current traction battery in some cases may prematurely trigger the "limited operating strategy" (LOS) eventually leading to reduced module energy and poss. Loss of power.
New charging system software has been developed.

Following dependability upgrades will be done contingent on diagnostic testing:
Update/Replace Battery control module
Update/Replace Transaxle Inverter Module
Replace Interface Adapter Assembly Module
Replace Traction Battery Charger
Check Traction Battery Heaters
## Maintenance Log Vehicle # 1542 SRP

**Electric Ford Ranger**  
*Vin # 1FTZR1079WTA47518*

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/20/98</td>
<td>Pre-Delivery Inspection</td>
</tr>
<tr>
<td>7/98</td>
<td>Meter Installed – Odometer 600 – Meter # 02 161 899</td>
</tr>
<tr>
<td>5/26/98</td>
<td>AC blows warm – Install Incar Temp Benson</td>
</tr>
<tr>
<td>6/15/98</td>
<td>Engine light (wrench display) stays on – Replace PTC Module</td>
</tr>
<tr>
<td>8/25/98</td>
<td>Wrench display stays on – Replace DC to DC Converter</td>
</tr>
<tr>
<td>9/25 - 9/29/98</td>
<td>Replaced Charger</td>
</tr>
<tr>
<td>3/15 – 3/31/99</td>
<td>Replace Battery Pack due to Low Range</td>
</tr>
<tr>
<td>4/19 – 5/3/99</td>
<td>Replace fuse in contactor box due to kicking off wall units</td>
</tr>
<tr>
<td>5/10 – 5/21/99</td>
<td>Low Range – Module # 24 replaced parts, not module</td>
</tr>
<tr>
<td>6/22 – 6/28/99</td>
<td>AC not cold – Replace AC Cycling Switch</td>
</tr>
<tr>
<td>7/28 – 8/10/99</td>
<td>Not taking full charge – Reprogram BCM - Check Fan Op Charge in cool location</td>
</tr>
<tr>
<td>8/27 – 9/14/99</td>
<td>At dealership – Not charging – 50% in 12 hours</td>
</tr>
<tr>
<td>10/19/99</td>
<td>Meter removed – End of test Odometer - 12948</td>
</tr>
<tr>
<td>PARTS</td>
<td>TOTAL PARTS</td>
</tr>
<tr>
<td>-----------</td>
<td>-------------</td>
</tr>
<tr>
<td>SUBTOTAL</td>
<td></td>
</tr>
<tr>
<td>MECHANICAL LABOR</td>
<td>224.00</td>
</tr>
<tr>
<td>TOTAL CHARGE</td>
<td>224.00</td>
</tr>
</tbody>
</table>

---

IF YOU HAVE ANY QUESTIONS - PLEASE SEE A GREGORY MAU
SALT RIVER PROJECT 1542 NICE NEAR 
BOX 52002
PHOENIX
AZ 85072-2025

NOTE: (602) 897-1182 WASH (602) 897-1182

--- FOR OFFICE USE ---

TECH NOTES: ADJUST COLD TEAM TO 720 MAH A 28 VDC INSPECTION NEEDED NEEDED NEEDED TAX CODE: UFfecm INCOME TAX ID 06/29/99 14421724

RECEIVED DATE: 06/29/99 DATE: 06/29/99

CONCERN: 1. CUSTOM STATES TO BLOCK COOL BUT NOT SLOUGH

CAUSE: SEEK TECH SUPPORT BELOW

CONCLUSION: X

64.40

SUBTOTAL

REPAIR TYPE 01 VISIT 1 CODES:

TYPE 1

SUMMARY OF CHARGES FOR INVOICE 42899

| PARTS | 10.68 |
| MECHANICAL LABOR | 70.40 |
| TOTAL CHARGE | 81.08 |

IF YOU HAVE ANY QUESTIONS - PLEASE SEE A GROCERY MAI

ACCOUNTING COPY

494416
SALT RIVER PROJECT 1512  MIKE HEATH
BOX 52025
PHOENIX, AZ 85072-2025
PHOENIX, AZ 85072-2025
PHONE: (602) 809-1182  WORK: (602) 809-1182

TAG: 6399  ADV. 227 MAH. A GR. INVOICE: PRELIM W3 W W
VIN: 1FTUS19T8YGA75516  LICENSE NUMBER: AZ 002019
REG. IN: 8058  DIST: FFC

DATES: BEGIN: 05/10/99  DONE: 05/21/99

CONCERN: 51  CUT STATES TO DC ELECTRIC RANGE - SOME OHEM INDICATORS ON TOAST IN OPERATION.
CAUSE: SEE TECHNICAL COMMENTS BELOW

REPAIR ORDER

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>TIME</th>
<th>RATE</th>
<th>CHARGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>TECH NOTES</td>
<td>5000</td>
<td>5000</td>
<td>5000</td>
</tr>
<tr>
<td>INSTALL TEST MODULE 20</td>
<td>5000</td>
<td>5000</td>
<td>5000</td>
</tr>
<tr>
<td>REINSTALL TEST MODULE 20</td>
<td>5000</td>
<td>5000</td>
<td>5000</td>
</tr>
<tr>
<td>REINSTALL TEST MODULE 20</td>
<td>5000</td>
<td>5000</td>
<td>5000</td>
</tr>
<tr>
<td>REPLACE PARTS SUPPLIED BY CHRIS BELL</td>
<td>5000</td>
<td>5000</td>
<td>5000</td>
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</table>

SUMMARY OF CHARGES FOR INVOICE 218804

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>CHARGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECHANICAL LABOR</td>
<td>595.70</td>
</tr>
<tr>
<td>TOTAL CHARGE</td>
<td>595.70</td>
</tr>
</tbody>
</table>

PAYMENT DISTRIBUTION FOR INVOICE 218804

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>CHARGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>FAC WARRANTY</td>
<td>595.70</td>
</tr>
<tr>
<td>TOTAL CHARGE</td>
<td>595.70</td>
</tr>
</tbody>
</table>

IF YOU HAVE ANY QUESTIONS - PLEASE SEE A GREGORY HAN

ACCOUNTING COPY

POSTED

MAY 25 1999

452171
**LOU GRUBB Ford**

8555 FRANK LLOYD WRIGHT BLVD.

SCOTTSDALE, ARIZONA 85260

---

**CONFIRMATION OF RECEIPT OF THE PARTS AND LABOR LISTED BELOW:**

**INVOICE TO:** SALT RIVER PROJECT 1542 MIKE HEATH  
BOX 5022  
PHOENIX  
AZ 85072-2025

**HOME:** (602) 899-1182  
**WORK:** (602) 899-1182

**TAG:** 6699  
**VIN:** 1FTRB17FA447518

**license number:** AZ 05384

**MODEL YEAR:** 1999

**VEHICLE INFORMATION:**

- **MAKE:** FORD
- **MODEL:** RANGER
- **TRIM LEVEL:** 2WD
- **COLOR:** WHITE
- **YEAR:** 1999
- **MILEAGE:** 84,369

---

**CONCERN:**

- **CUST STATES WONT CHARGE**
- **KEEPS KICKING OUT WALL UNITS 2 DIFF ONES**
- **OPERATION TECH HOURS**
- **AMOUNT**
- **CAUSE**
- **SEE TECH COMMENTS BELOW**

**NOTE:**

- **DESCRIPTION:**
- **QTY:**
- **SOLD:**
- **REPLACE CHARGER**
- **REPLACE FUSE IN WIRED ASSEMBLY**
- **REPLACE ALL PASS REQUEST HTIME FOR REPAIR NO GPS FOR ELECTRIC VEHICLE**

---

**FACTORY PARTS CODE:**

- **PART:** 10B689 AA  
- **QTY:** 1  
- **AMOUNT:** 2649.75

---

**PAYMENT DISTRIBUTION:**

- **Parts:** 3793.92  
- **MECHANICAL LABOR:** 333.71

---

**SUMMARY OF CHARGES FOR INVOICE 619336**

- **PARTS:** 3793.92  
- **MECHANICAL LABOR:** 333.71

---

**IF YOU HAVE ANY QUESTIONS - PLEASE SEE A GREGGARY MAU**

---

**ACCOUNTING COPY**

---

**AMOUNT DUE:** 4127.63

---

**PAGE 1**
## LOU GRUBB Ford

**8555 FRANK LLOYD WRIGHT BLVD.**

**SCOTTSDALE, ARIZONA 85260**

---

**SERVICE HOURS:**
- MON - FRI: 7:00 AM - 6:00 PM
- SAT: MAINTENANCE / LIGHT REPAIR: 8:00 AM - 1:00 PM

---

**INVOICE TO:**

SALT RIVER PROJECT 1542
M LEE HEATH
BOX 32025
PHOENIX AZ 85072-2025

**FOR USE ONLY**

TAG: 6344 ADVISOR 272 MAU, A HR INVOICE: PRELIM W R M
PSF: 903232 TAX RULES: 114N INVOID AT: 03/31/99 09:02:13
METER IN 7986 DIST: FMC
DATES BEGAN: 03/15/99 DONE: 03/31/99

---

**CONCERN 51**

- CK WRENCH LIGHT ON TRUCK WONT MOVE, AND HAS HAS SHORT RANGE CONCERN FOR OPERATION
- KICKOUT SOME TIME NOW TONED IN

---

**CAUSE:** SEE TECH COMMENTS BELOW

---

**CORRECTION:**

51-1 X

---

**COMMENT:**

- TECH NOTES: PERFORMED EV RANGER DIAGNOSIS. PERFORMED BOX TESTS 16 BAD MODULES
- ALL BATT PACK CK MODULES LISTED ON BACK CALLED HOTLINE TALKED TO
- DAW 3-14-99 CALLED BACK 3-15 AT 11 AM. SEND BATT PACK ASST. WILL BE HERE IN APPROX 3 DAYS. NO LABOR OPS FOR THIS VEHICLE TYPE

---

**RECEIVED NEW BATT PACK DAMAGED CONTACT CHRIS BELL AT FORD ENGINEERING**

**DESCRIPTION:**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>QTY</th>
<th>SELL</th>
</tr>
</thead>
<tbody>
<tr>
<td>F91710732A</td>
<td>*TRAY ASY - BATTERY</td>
<td>1</td>
<td>2286.00</td>
</tr>
<tr>
<td>F91710666A</td>
<td></td>
<td>1</td>
<td>999.99</td>
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---

**FACTORY CONCERN OCS 000**

<table>
<thead>
<tr>
<th>CODE</th>
<th>ALLOWANCE</th>
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</thead>
<tbody>
<tr>
<td>1214.40</td>
<td></td>
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</tbody>
</table>

---

**REPAIR TYPE:** 01 VISIT 1 CODES:

LINE AUTH: MA 030199 08159

---

**ACCOUNTING COPY**

470000

---
<table>
<thead>
<tr>
<th>PARTS</th>
<th>TOTAL PARTS</th>
<th>PRE-MAST</th>
<th>TOTAL LAB</th>
<th>TOTAL CHARGE</th>
<th>SUB TOTAL</th>
<th>ALLOWANCE</th>
<th>PLUS PRICE DIFY</th>
<th>LESS REC</th>
<th>TOTAL CLAIM</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**PARTS**

<table>
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<tr>
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<th>QUANTITY</th>
<th>UNIT PRICE</th>
<th>TOTAL PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PARTS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MECHANICAL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**MECHANICAL LABOR**

- 516.43

**TOTAL CHARGE**

- 5118.82

**PAYMENT DISTRIBUTION FOR INVOICE W13502**

- **TOTAL CHARGE**: 5118.82
- **FAC Warranty**: 5118.82

---

**DATE**: 3-31-99

**CUSTOMER INFORMATION**

- **SALT RIVER PROJECT 1542**
- **MIKE HEATH**

---

**DEALER CODE**: 71J178

**P & A CODE**: 20323

---

**SERVICE HOURS**
MON - FRI
7:00 AM - 6:00 PM
SAT.
MAINTENANCE / LIGHT REPAIR
8:00 AM - 1:00 PM

---

**LOU GRUBB Ford**
8555 FRANK LLOYD WRIGHT BLVD.
SCOTTSDALE, ARIZONA 85260

---

**FOR SERVICE RESERVATION OR INFORMATION**
(602) 596-2525

---

**ACKNOWLEDGE RECEIPT OF THE PARTS AND LABOR LISTED BELOW**

---

**THIS COPY MUST BE RETURNED FOR ADJUSTMENT**

---

**ACCOUNTING COPY**

---

**PAGE 2**

**LAST PAGE**
**Lou Grubb Ford**

8555 Frank Lloyd Wright Blvd.
Scottsdale, Arizona 85260

**SERVICE HOURS:**
Monday - Friday: 7:00 AM - 6:00 PM
Saturday: Maintenance / Light Repair 8:00 AM - 1:00 PM

---

**INVOICE 1542**

**Driver/Owner Information:**

- **Name:** Mike Heath
- **Vehicle:** Ford Ranger
- **Color:** White
- **License Number:** AZ 9525601

---

**Summary of Charges for Invoice #1542:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parts</td>
<td>$4,600.00</td>
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<tr>
<td>Mechanical Labor</td>
<td>$156.40</td>
</tr>
<tr>
<td>Total Charge</td>
<td>$4,756.40</td>
</tr>
</tbody>
</table>

**Total Charge:** $4,756.40

---

**Customer Copy**

458469
**Lou Grubb Ford**

8555 Frank Lloyd Wright Blvd.
Scottsdale, Arizona 85260

**Service Hours:**
- MON - FRI: 7:00 AM - 6:00 PM
- SAT: 8:00 AM - 1:00 PM

---

**Invoice #: 9774**

**Part Description:**

<table>
<thead>
<tr>
<th>Part</th>
<th>Note</th>
<th>Description</th>
<th>QTY</th>
<th>Sell</th>
<th>Allowance</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Charger - battery</td>
<td>1</td>
<td>2133.48</td>
<td>853.47</td>
</tr>
</tbody>
</table>

**Factory Part #:**

- FF-F811086001A

**Type:**

- M

**Total Charge:**

- 2261.21

---

**Accounting Copy:**

410304
Lou Grubb
Ford

8555 Frank Lloyd Wright Blvd.
Scottsdale, Arizona 85260

For Service Reservation
Or Information
(602) 596-2525

Service Hours:
Mon - Fri.
7:00 AM - 6:00 PM
Sat.
Maintenance / Light Repair
8:00 AM - 1:00 PM

I acknowledge receipt of the parts and labor listed below.

<table>
<thead>
<tr>
<th>Parts</th>
<th>Labor</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

Page 4

Accounting Copy
337361
Vehicle #808F DOE Test Information

<table>
<thead>
<tr>
<th>Month</th>
<th>Miles</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
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<th>Total Miles</th>
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<tbody>
<tr>
<td>Nov-98</td>
<td>299</td>
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<td>Dec</td>
<td>259</td>
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<td>Jan-99</td>
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<td>Feb</td>
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<td></td>
<td>77</td>
</tr>
</tbody>
</table>

Facts:

Manufacturer's Energy Consumption Information

Range:  City: 38  Hvy: 43  Efficiency: .405

kW-hr/100miles  kW-hr/100miles  kW-hr/100miles

Manufacturer's Recall Notices

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Sep-99  Recall #99B17
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Mar-00  Recall #00B37
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Update/Replace Transaxle Inverter Module
Replace Interface Adapter Assembly Module
Replace Traction Battery Charger
Check Traction Battery Heaters
<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11/5/98</td>
<td>Install Meter – Odometer 35 – Meter # 02 161 900</td>
</tr>
<tr>
<td>11/16 – 11/18/98</td>
<td>Vehicle suffering Low Range</td>
</tr>
<tr>
<td>2/24 – 2/26/99</td>
<td>Vehicle won’t Charge – Replace Battery Charger</td>
</tr>
<tr>
<td>7/14 – 7/15/99</td>
<td>Won’t Charge properly – Replace Charger Assembly</td>
</tr>
<tr>
<td>8/1 – 8/31/99</td>
<td>Replace Battery Pack</td>
</tr>
<tr>
<td>9/31/99</td>
<td>Meter Removed – End of Test Odometer – 1792</td>
</tr>
</tbody>
</table>
LABOR & PARTS

DRIVEABILITY

HOURS: 0.01 TECH(S): 362

CUSTOMER STATES: VEHICLE USES TO MUCH POWER TO QUICKLY/LACK OF RANGE
PERFORMED TEST OPERATIONS TESTED COMPUTERS AND EACH INDIVIDUAL BATTERY ALL TESTED OK

JOB # 1 TOTAL LABOR & PARTS 0.1

ELECTRICAL

HOURS: 0.01 TECH(S): 362

CUSTOMER STATES: WRENCH ON DASH INTERMITTENTLY LIGHTS UP CHECK AND ADVISE TESTED COMPUTER SYSTEMS NO SERVICE REQUIRED

JOB # 2 TOTAL LABOR & PARTS 0.1

TOTALS

PAYMENT METHOD

CASH [ ]

UTRA C [ ] MC [ ]

DINER C [ ] DISC C [ ]

CHECK [ ]

CASHIER CALLED ASM 11-19

TOTAL INVOICE 0.1

CUSTOMER SIGNATURE

ASL 11-19
<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>DESCRIPTION</th>
<th>LIST PRICE</th>
<th>UNIT PRICE</th>
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<tbody>
<tr>
<td>JOB # 1</td>
<td>1</td>
<td>CHARGER - BATT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JOB # 1</td>
<td>1</td>
<td>MODULE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**LINES**

**PAYMENT METHOD**

- CASH [ ]
- VISA [ ]
- DISC [ ]
- CHECK [ ]

**TOTALS**

- TOTAL LABOR: $0.00
- TOTAL PARTS: $0.00
- TOTAL SUBET: $0.00
- TOTAL NEC DISC: $0.00
- TOTAL TAX: $0.00
- TOTAL CHARGE: $0.00

**Cashier**

Call/texted

SM 2326

8/37 8:40 AM

L/W PK KY
needed and that the mechanic's work was performed satisfactorily.

<table>
<thead>
<tr>
<th>WORKMANSHIPS</th>
<th>PARTS</th>
<th>LABOR RATE</th>
<th>LICENSE NO.</th>
<th>NAME DATE</th>
<th>PRODUCED DATE</th>
</tr>
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<tbody>
<tr>
<td>12-34-5678</td>
<td>5678</td>
<td>9876</td>
<td>45678</td>
<td>12-34-56</td>
<td>12-34-56</td>
</tr>
<tr>
<td>56-78-90</td>
<td>6789</td>
<td>8901</td>
<td>01234</td>
<td>56-78-90</td>
<td>56-78-90</td>
</tr>
<tr>
<td>45-67-89</td>
<td>6789</td>
<td>8901</td>
<td>01234</td>
<td>45-67-89</td>
<td>45-67-89</td>
</tr>
</tbody>
</table>

CUSTOMER SIGNATURE

[Signature]

Pick up today.
Vehicle #809F DOE Test Information

<table>
<thead>
<tr>
<th>Month</th>
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<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
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Facts:

Manufacturer's Energy Consumption Information

Range: City: 38 kWh/hr/100miles  
Hwy: 43 kWh/hr/100miles  
Efficiency: .405 kWh/hr/100miles

Manufacturer's Recall Notices

Jul-99 Recall #99S20  
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Sep-99 Recall #99B17  
Add decal to remind operator to keep the vehicle "on plug"  
Replace the steering column insert plate with a revised design

Nov-99 Recall #99M05  
1998 vehicles may experience premature battery wear out.

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The current traction battery in some cases may prematurely trigger the "limited operating strategy" (LOS) eventually leading to reduced module energy and poss. Loss of power. New charging system software has been developed.

Following dependability upgrades will be done contingent on diagnostic testing:
Update/Replace Battery control module  
Update/Replace Transaxle Inverter Module  
Replace Interface AdapterAssembly Module  
Replace Traction Battery Charger  
Check Traction Battery Heaters
**Maintenance Log Vehicle # 809F Pepco**  
**Electric Ford Ranger**  
**Vin # 1FTZR1074WTA84671**

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>10/30/98</td>
<td>Meter Installed – Odometer 70 – Meter # 02 161 888</td>
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<tr>
<td>12/17 – 1/21/98</td>
<td>Wrench and Power Limit Warnings – Replace Module &amp; DC to DC Converter</td>
</tr>
<tr>
<td>2/16 – 2/22/99</td>
<td>Vehicle will not charge Properly</td>
</tr>
<tr>
<td>3/10/99</td>
<td>Replace Charger</td>
</tr>
<tr>
<td>4/2 – 4/5/99</td>
<td>Vehicle won’t Energize – Replace wire assembly, Program IAA Module</td>
</tr>
<tr>
<td>6/7 – 6/14/99</td>
<td>Vehicle won’t Charge – Replace Charger Assembly</td>
</tr>
<tr>
<td>7/16 – 7/20/99</td>
<td>Vehicle will not Charge – Replace Charger Unit</td>
</tr>
<tr>
<td>8/11 – 8/19/99</td>
<td>Vehicle will not Charge – Replace Battery Charger Assembly</td>
</tr>
<tr>
<td>10/12/99</td>
<td>Meter Removed – End of Test Odometer 3576</td>
</tr>
</tbody>
</table>
**Ford Motor Credit Company**  
7090 Gateway Drive PO Box 8  
ATTN: Tom Ryan  
Columbia, MD 21045-0008

**Labor & Parts**  
**HOURS:** 0.01  
**DESCRIPTION:** Diagnosed and replaced battery in pack and replaced DC to DC converter to rectify concern

<table>
<thead>
<tr>
<th>PARTS</th>
<th>QTY</th>
<th>DESCRIPTION</th>
<th>UNIT PRICE</th>
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</thead>
<tbody>
<tr>
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<td>002</td>
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<td>1260-48003-04AA</td>
<td>91.47</td>
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**TOTAL LABOR:** 0  
**TOTAL PARTS:** 0  
**TOTAL MISC:** 0

**Payment Method**  
**Cash:** 0  
**Check:** 0  
**Check #:** 0

**Signature:**

**Date:** 8/30/98  
**Time:** 8:45

**Need TAG: **

**Tag:** 9.95%
LABOR & PARTS

W01 110FOZ
REPLACE CHARGER AND IAA MODULE PER CHRIS BELL'S INSTRUCTIONS
AT FORD ENGINEERING
REPLACED CHARGER ONLY

<table>
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<tr>
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<th>LIST PRICE</th>
<th>UNIT PRICE</th>
<th>JOB #</th>
<th>TOTAL PARTS</th>
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<th>TOTAL SUBLET</th>
<th>TOTAL G.O.O.</th>
<th>TOTAL MISC CHG</th>
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PAYMENT METHOD:

CHECK

CUSTOMER SIGNATURE:

Frank Smith
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<td>WIRE ASY - CHAR</td>
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<td>3</td>
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<td>REPLACE IAA MODULE</td>
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**Labor: 3 Parts**

**Total:**

Cust Notes: Vehicle will not start. Check and advise replace charge unit.

**Warranty:**

**Total:**

Signature:

**Customer Signature:**

Date: **04/08/98**
**Ford Motor Credit Company**

**2990 Gateway Drive PO Box 8**

**Athliton, Maryland 21094-0008**

**Customer #**

**Advisor**

**Card No.**

**Invoice Date**

**Process No.**

---

**Labor Rate**

**Make**

**Model**

**Year**

**Mileage**

**Color**

**Oxford White**

**Delivery Miles**

**VIN**

**Vehicle No.**

**Quantity**

**Disco**

**Fiscal Date**

---

**Labor & Parts**

**Electrical**

**Hours:** 0.01 Tech(3):362

**Parts:**

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**Total**

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<td>Total Invoice</td>
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**Payment Method**

- Cash [ ]
- Visa [ ]
- Mastercard [ ]
- Disc [ ]
- Check [ ]

**Cashier:**

**Customer Signature:**

---

**PAGE 1 OF 1**

**END OF INVOICE**

---

**8097**
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- **TOTAL LABOR:** 0.01
- **TOTAL PARTS:** 0.05
- **TOTAL INVOICE:** 0.06
- **TOTAL TAX:** 0.00
- **TOTAL:** 0.06

**Payment Method:**

- **Check:**
- **Cashier:**

**Signature:**

**Notes:**

- Check payment
- Cash payment
- Total invoice: 0.06
- Customer signature
<table>
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<th>TOTAL PARTS</th>
<th>SUBTOTAL</th>
<th>TOTAL OUTPUT</th>
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**PAID THROUGH**

*CHECK* 7-21

**TOTAL LABOR**

**TOTAL PARTS**

**TOTAL SUBTOTAL**

**TOTAL OUTPUT**

**TOTAL TAX**

**TOTAL INVOICE**

---

**CUSTOMER SIGNATURE**

---
**VEHICLE INFORMATION**

- **Make:** Honda
- **Model:** Accord
- **Year:** 2008
- **VIN:** 1HGCS16648H202021
- **Color:** Silver
- **Mileage:** 68,232
- **Transmission:** 5-speed manual

**SERVICE & PARTS**

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<th>Description</th>
<th>Brand</th>
<th>Part #</th>
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**Labour & Parts**

- **Labour Cost:** $200
- **Parts Cost:** $150
- **Total Labour & Parts:** $350

**Total Invoice:**

- **Grand Total:** $350

---

**Additional Notes:**

- Test drive performed.
- Vehicle passed the test.
- All repairs were completed as per the invoice.

**Authorized Signatures:**

- Mechanic's signature
- Customer's signature

---

**Additional Information:**

- Vehicle maintenance log畜
- Service history report
- Warranty information

---

**Conclusion:**

The vehicle was serviced and all parts replaced as per the invoice. The service was completed satisfactorily and the vehicle is ready for use.
Vehicle #810F DOE Test Information

<table>
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<th>May</th>
<th>Jun</th>
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<th>Aug</th>
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<td>1544</td>
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Facts:

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Range: City: 38 kW-hr/100miles
Hwy: 43 kW-hr/100miles
Efficiency: 0.405 kW-hr/100miles

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Shift lever in "park" may not fully engage.

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Replace the steering column insert plate with a revised design

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The current traction battery in some cases may prematurely trigger the "limited operating strategy" (LOS) eventually leading to reduced module energy and poss. Loss of power.
New charging system software has been developed.

Following dependability upgrades will be done contingent on diagnostic testing:
Update/Replace Battery control module
Update/Replace Transaxle Inverter Module
Replace Interface AdapterAssembly Module
Replace Traction Battery Charger
Check Traction Battery Heaters
### Maintenance Log

**Vehicle # 810F Pepco**  
**Electric Ford Ranger**  
**Vin # 1FTZR107XWT81032**

<table>
<thead>
<tr>
<th>Date</th>
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<tbody>
<tr>
<td>11/11/98</td>
<td>Install Meter – Odometer 224 – Meter # 02 161 890</td>
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<tr>
<td>3/9/99</td>
<td>Replace Charger &amp; IAA Module</td>
</tr>
<tr>
<td>6/7 – 6/8/99</td>
<td>Vehicle won’t Charge – Replace Charger Unit</td>
</tr>
<tr>
<td>9/30/99</td>
<td>Meter Removed – End of Test Odometer 1941</td>
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<tr>
<td>PARTS</td>
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**TOTALS**

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**CUSTOMER SIGNATURE**

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CUSTOMER SIGNATURE
Vehicle #811F DOE Test Information

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Facts:

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Range: City: 38 Efficiency: .405 kW-hr/100miles
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Replace Traction Battery Charger
Check Traction Battery Heaters
<table>
<thead>
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<tbody>
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</tr>
<tr>
<td>4/1/99</td>
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PARTS: DESCRIPTION: LIST PRICE: UNIT PRICE: TOTAL PARTS

1. F150 PASSENGER: 1.
   CHARGER: 1
   11.99
   11.99
   0

UNIT PRICE: 0

TOTAL PARTS: 0

J.O. # 1 TOTAL LABOR: 0

TOTAL INVOICE: 0

CUSTOMER SIGNATURE: 0
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**TOTALS**

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<th>TOTAL ABE</th>
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**DEDUCTIBLE**

Customer Amount Due (Including Deductible): $361.54
Insurance Amount Due: $0.00

Customer Signature: [Signature]

[Charge Signature]

PAGE 1 OF 1

(COND OF INVOICE)
Vehicle #812F DOE Test Information

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Facts:

**Manufacturer's Energy Consumption Information**

\[
\text{Range:} \quad 38 \quad \text{kW-hr/100miles} \\
\text{City:} \quad 43 \quad \text{kW-hr/100miles} \\
\text{Hwy:} \quad 43 \quad \text{kW-hr/100miles} \\
\text{Efficiency:} \quad 0.405 \quad \text{kW-hr/100miles}
\]

**Manufacturer's Recall Notices**

Jul-99 Recall #99S20
Shift lever in "park" may not fully engage.

Sep-99 Recall #99B17
Add decal to remind operator to keep the vehicle "on plug"
Replace the steering column insert plate with a revised design

Nov-99 Recall #99M05
1998 vehicles may experience premature battery wear out.

Mar-00 Recall #00B37
The current traction battery in some cases may prematurely trigger the "limited operating strategy" (LOS) eventually leading to reduced module energy and poss. Loss of power.
New charging system software has been developed.

Following dependability upgrades will be done contingent on diagnostic testing:
Update/Replace Battery control module
Update/Replace Transaxle Inverter Module
Replace Interface AdapterAssembly Module
Replace Traction Battery Charger
Check Traction Battery Heaters
Maintenance Log Vehicle # 812F Pepco
Electric Ford Ranger
Vin # 1FTZR107XWTA81029

10/14/98  Meter Installed – Odometer 543 – Meter # 02 161 895
3/29 – 3/31/99  Replace – Charger, Charger Assembly & IAA Module
10/8/99  Meter Removed – End of Test Odometer 3227
FORD MOTOR CREDIT COMPANY
7090 GATEWAY DRIVE PO BOX 8
COLUMBIA, MD 21045-0008

ATTN: TIM SMITH

CUSTOMER NO: 73607
PH#: 301-272-2205
BUSINESS PHONE: 301-272-2253

INVOICE NO: A612
SERVICE NO: D2

DATE: 03/30/99

CUST. REF: 301

JOB NO: 10702

REPLACE CHARGER AND IAA MODULE PER CHRIS SELLS INSTRUCTIONS
AT FORD ENGINEERING
REPLACED CHARGER ASSEMBLY

PARTS

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<tr>
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PAYMENT METHOD:

CASH [ ]
VISA [ ]
DISC [ ]
CHECK [ ]

8N621F

Frank French

INVOICE SIGNATURE
Vehicle #813F DOE Test Information

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Facts:

Manufacturer's Energy Consumption Information

Range:   City:   38   Hwy:   43   Efficiency: .405
         kW-hr/100miles  kW-hr/100miles  kW-hr/100miles

Manufacturer's Recall Notices

Jul-99    Recall #99S20
Shift lever in "park" may not fully engage.

Sep-99    Recall #99B17
Add decal to remind operator to keep the vehicle "on plug"
Replace the steering column insert plate with a revised design

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1998 vehicles may experience premature battery wear out.

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The current traction battery in some cases may prematurely trigger the "limited operating strategy" (LOS) eventually leading to reduced module energy and poss. Loss of power.
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Following dependability upgrades will be done contingent on diagnostic testing:
Update/Replace Battery control module
Update/Replace Transaxle Inverter Module
Replace Interface AdapterAssembly Module
Replace Traction Battery Charger
Check Traction Battery Heaters
Maintenance Log Vehicle # 813F Pepco
Electric Ford Ranger
Vin # 1FTZR1070WTABA4490

11/5/98     Meter Installed – Odometer 35 – Meter # 02 161 891
10/1/99     Remove Meter – End of Test Odometer 1441
**LABOR & PARTS**

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**TOTALS**

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**CUSTOMER SIGNATURE**
Vehicle #814F DOE Test Information

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Facts:

**Manufacturer's Energy Consumption Information**

Range: 38 kWh-hr/100miles  City: 43 kWh-hr/100miles  Efficiency: .405 kWh-hr/100miles

**Manufacturer's Recall Notices**

Jul-99 Recall #99S20
Shift lever in "park" may not fully engage.

Sep-99 Recall #99B17
Add decal to remind operator to keep the vehicle "on plug".
Replace the steering column insert plate with a revised design.

Nov-99 Recall #99M05
1998 vehicles may experience premature battery wear out.

Mar-00 Recall #00B37
The current traction battery in some cases may prematurely trigger the "limited operating strategy" (LOS) eventually leading to reduced module energy and possible loss of power. New charging system software has been developed.

Following dependability upgrades will be done contingent on diagnostic testing:
Update/Replace Battery control module
Update/Replace Transaxle Inverter Module
Replace Interface Adapter Assembly Module
Replace Traction Battery Charger
Check Traction Battery Heaters
## Maintenance Log

**Vehicle # 814F Pepco**  
**Electric Ford Ranger**  
**Vin # 1FTZR1076WTA81030**

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Facts:

Manufacturer's Energy Consumption Information

Range: City: 38 kW-hr/100miles
Hwy: 43 kW-hr/100miles
Efficiency: .405 kW-hr/100miles

Manufacturer's Recall Notices

Jul-99   Recall #99820
Shift lever in "park" may not fully engage.

Sep-99   Recall #99B17
Add decal to remind operator to keep the vehicle "on plug"
Replace the steering column insert plate with a revised design

Nov-99   Recall #99M05
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Update/Replace Transaxle Inverter Module
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Replace Traction Battery Charger
Check Traction Battery Heaters
<table>
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<td>When in Park-Vehicle Rolls – Replace Motor Assembly</td>
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<td>Replace – Trans Shift Cable Assembly – Battery Pack &amp; Shift Cable</td>
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<td>9/2/99</td>
<td>Vehicle won’t Charge – Replace Charger Assembly</td>
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<td>11/9/99</td>
<td>Remove Meter – End of Test Odometer 3604</td>
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**PAYMENT METHOD**

| CASH | 0.0 |
| CHECK | 0.0 |

**CALL/DATE**

**SIGNATURE**

815E
FORD MOTOR CREDIT COMPANY
7090 GATEWAY DRIVE PO BOX 8
ATTN ITOM SIGMA
COLUMBIA, MD 21045-0008

CUST NUMBER 71609

GLEN 6 CASE 642

ADVISOR

INVOICE NUMBER FG5101

Invoice Date 04/05/99

FORD MOTOR CREDIT COMPANY
7090 GATEWAY DRIVE PO BOX 8
ATTN ITOM SIGMA
COLUMBIA, MD 21045-0008

CUSTOMER NO.

71609

ADVISOR

GLEN 6 CASE 642

INVOICE NUMBER FG5101

04/05/99

LABOR RATE ANNUAL WAGE: 1500

COLOR PACIFIC GREY

STOCK NUMBER A7 07 14

DATE OF WORK: 09/28/98

CARS REG. # 09/28/98

DELIVERY MILES

SENDING DEALER NO.

03/31/99

P.O. NO.

000

R.O. NO.

000

RJ NO.

07 38

DRS REFERENCE M01 1

LABOR & PARTS

TRANSMISSION MILES: 0.01

AS INSTRUCTED BY FORD AND CHRIS BELL AT FORD ENGINEERING

TO REPLACE TRANS SHIFT CABLE ASSY

RE BATTERY PACK AND REPLACE SHIFT CABLE PER CHRIS BELL

AT FORD HOT LINE

PARTS

ITEM DESCRIPTION LIST PRICE UNIT PRICE

00 00 00 00 00

QTY.

PN

00

00

00

00

00

JOBS / TOTAL LABOR & PARTS:

7

0

TOTALS

TOTAL LABOR

TOTAL PARTS

TOTAL SUBTOTAL

TOTAL S.H.R.

TOTAL MISC CHG.

TOTAL MISC DISC.

TOTAL TAX

TOTAL INVOICE

PAYMENT METHOD

CASH

CREDIT CARD

DISC

CHECK

CUSTOMER SIGNATURE

815F

PAGE 1 OF 1
Vehicle #816F DOE Test Information

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Facts:

Manufacturer's Energy Consumption Information

Range: 38 kW-hr/100miles  
City: 38 kW-hr/100miles  
Hwy: 43 kW-hr/100miles  
Efficiency: .405 kW-hr/100miles

Manufacturer's Recall Notices

Jul-99  Recall #99S20
Shift lever in "park" may not fully engage.

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Add decal to remind operator to keep the vehicle "on plug"
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- Update/Replace Battery control module
- Update/Replace Transaxle Inverter Module
- Replace Interface AdapterAssembly Module
- Replace Traction Battery Charger
- Check Traction Battery Heaters
<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
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<tbody>
<tr>
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<td>4/9 – 4/13/98</td>
<td>Vehicle shut off while Driving – Replace Module in Main Pack</td>
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<td>8/16 – 8/24/99</td>
<td>Replace trans axle Assembly</td>
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<tr>
<td>10/8/99</td>
<td>Meter Removed – End of Test Odometer 2038</td>
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**FORD MOTOR CREDIT COMPANY**
7090 GATEWAY DRIVE PO BOX 8
ATTN: TON SIGMANN
COLUMBIA, MD 21045-0008
202-872-2205 202-872-2255

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**TOTALS**

- TOTAL LABOR: 0.00
- TOTAL PARTS: 0.00
- TOTAL SUBLET: 0.00
- TOTAL 6.06: 0.00
- TOTAL DISC CHG: 0.00
- TOTAL DISC: 0.00
- TOTAL TAX: 0.00
- TOTAL INVOICE: 0.00

**NOTES:**
- Labor & Parts:
  - Electrical: Off While Driving
  - Diagnosed Vehicle and Tested Systems and Replaced Battery
  - In Main Pack and Recharged System

**WARRANTY**

**CUSTOMER SIGNATURE**
**Customer Information**

- **Customer Name:**
- **Address:**
- **Phone Number:**
- **Business Phone:**

**Service Log**

<table>
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<tr>
<th>Job</th>
<th>Description</th>
<th>Hrs</th>
<th>Rate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Transaxle Ass'y</td>
<td>0.50</td>
<td>1000</td>
<td>500</td>
</tr>
</tbody>
</table>

**Totals**

- Total Hrs: 0.50
- Total Labor: 500

**Payment Method**

- Cash: 0.00
- Visa: 0.00
- MasterCard: 0.00
- Other: 0.00
- Check: 0.00

**Invoices**

- Cashier: Called 8:25

---

**Customer Signature**

---
Vehicle #817F DOE Test Information

<table>
<thead>
<tr>
<th>Month</th>
<th>Miles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oct</td>
<td>287</td>
</tr>
<tr>
<td>Nov</td>
<td>454</td>
</tr>
<tr>
<td>Dec</td>
<td>88</td>
</tr>
<tr>
<td>Jan-99</td>
<td>161</td>
</tr>
<tr>
<td>Feb</td>
<td>374</td>
</tr>
<tr>
<td>Mar</td>
<td>270</td>
</tr>
<tr>
<td>Apr</td>
<td>396</td>
</tr>
<tr>
<td>May</td>
<td>699</td>
</tr>
<tr>
<td>Jun</td>
<td>404</td>
</tr>
<tr>
<td>Jul</td>
<td>510</td>
</tr>
<tr>
<td>Aug</td>
<td>876</td>
</tr>
<tr>
<td>Sep</td>
<td>644</td>
</tr>
<tr>
<td>Oct</td>
<td>84</td>
</tr>
<tr>
<td>Total Miles</td>
<td>5247</td>
</tr>
</tbody>
</table>

Facts:

Manufacturer's Energy Consumption Information

Range: City: 38 kW-hr/100miles  
Hwy: 43 kW-hr/100miles  
Efficiency: .405 kW-hr/100miles

Manufacturer's Recall Notices

Jul-99  Recall #99S20  
Shift lever in "park" may not fully engage.

Sep-99  Recall #99B17  
Add decal to remind operator to keep the vehicle "on plug"  
Replace the steering column insert plate with a revised design

Nov-99  Recall #99M05  
1998 vehicles may experience premature battery wear out.

Mar-00  Recall #00B37  
The current traction battery in some cases may prematurely trigger the "limited operating strategy" (LOS) eventually leading to reduced module energy and poss. Loss of power. New charging system software has been developed.

Following dependability upgrades will be done contingent on diagnostic testing:
Update/Replace Battery control module
Update/Replace Transaxle Inverter Module
Replace Interface AdapterAssembly Module
Replace Traction Battery Charger
Check Traction Battery Heaters
## Maintenance Log Vehicle # 817F Pepco
### Electric Ford Ranger
Vin # 1FTZR1073WTA81834

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/16/98</td>
<td>Install Meter – Odometer 133 – Meter # 02 161 892</td>
</tr>
<tr>
<td>12/7 – 12/17/98</td>
<td>Vehicle won’t Start – Replaced Module</td>
</tr>
<tr>
<td>3/17 – 3/21/99</td>
<td>Vehicle won’t Charge – Replace Charger Assembly</td>
</tr>
<tr>
<td>10/16/99</td>
<td>Meter Removed – End of Test Odometer 5380</td>
</tr>
</tbody>
</table>
FORM: MOTOR CREDIT COMPANY
7990 GATEWAY DRIVE PO BOX 8
ATTN: TOM SIGMAN
COLUMBIA, MD 21045-0008
202-872-2205 202-872-2255

LABOR & PARTS

DRIVEABILITY
CUST STATES WONT MOVE CHECK AND ADJUST WRENCH ON DASH WENT FROM 1/2 CHARGE THEN JUST DIED
DIAGNOSED VEHICLE AND REPLACED BATTERY AND RETESTED

PARTS

<table>
<thead>
<tr>
<th>QTY</th>
<th>NUMBER</th>
<th>DESCRIPTION</th>
<th>LIST PRICE</th>
<th>UNIT PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8XE-202</td>
<td>BATTERY</td>
<td></td>
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TOTALS

<table>
<thead>
<tr>
<th></th>
<th>TOTAL LABOR...</th>
<th>0.0</th>
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<tbody>
<tr>
<td>TOTAL PARTS</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>TOTAL GROSS</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>TOTAL DISC</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>TOTAL TAX</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>TOTAL INVOICE</td>
<td>0.0</td>
<td></td>
</tr>
</tbody>
</table>

CUSTOMER SIGNATURE

[Signature]

[Date: 8/7/07]
**Customer:**
FORD MOTOR CREDIT COMPANY
7090 GATEWAY DRIVE PO BOX 8
ATTN: TOM SIGMAN
COLUMBIA, MD 21045-0004

**Labor & Parts:**

<table>
<thead>
<tr>
<th>Job # 1</th>
<th>10FOZ</th>
</tr>
</thead>
</table>

**Cust State:** WILL NOT TAKE A CHARGE CHECK AND ADVISE REPLACED CHARGER ASSEMBLY AND TIGHTENED COVER

<table>
<thead>
<tr>
<th>QTY</th>
<th>FP-Number</th>
<th>Description</th>
<th>List Price</th>
<th>Unit Price</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>XLGZ-100689-99</td>
<td>CHARGER - BATT</td>
<td>JOB # 1</td>
<td>TOTAL PARTS</td>
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</table>

**Job # 1**

<table>
<thead>
<tr>
<th>Item</th>
<th>Payment Method</th>
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</thead>
<tbody>
<tr>
<td>CASH</td>
<td>1</td>
</tr>
<tr>
<td>CHECK</td>
<td>1</td>
</tr>
</tbody>
</table>

**TOTALS:**

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL LABOR</td>
<td>0</td>
</tr>
<tr>
<td>TOTAL PARTS</td>
<td>0</td>
</tr>
<tr>
<td>TOTAL SUB.</td>
<td>0</td>
</tr>
<tr>
<td>TOTAL G.A.T.</td>
<td>0</td>
</tr>
<tr>
<td>TOTAL MISC CHG.</td>
<td>0</td>
</tr>
<tr>
<td>TOTAL MISC DISC</td>
<td>0</td>
</tr>
<tr>
<td>TOTAL TAX</td>
<td>0</td>
</tr>
<tr>
<td>TOTAL INVOICE</td>
<td>0</td>
</tr>
</tbody>
</table>

**Signature:**

CUSTOMER SIGNATURE
Vehicle #337 DOE Test Information

<table>
<thead>
<tr>
<th>Month</th>
<th>Total Miles by Month</th>
<th>Miles</th>
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</thead>
<tbody>
<tr>
<td>Apr</td>
<td></td>
<td>1752</td>
</tr>
<tr>
<td>May</td>
<td></td>
<td>1592</td>
</tr>
<tr>
<td>Jun</td>
<td></td>
<td>1509</td>
</tr>
<tr>
<td>Jul</td>
<td></td>
<td>905</td>
</tr>
<tr>
<td>Aug</td>
<td></td>
<td>771</td>
</tr>
<tr>
<td>Sep</td>
<td></td>
<td>1742</td>
</tr>
<tr>
<td>Oct</td>
<td></td>
<td>1239</td>
</tr>
<tr>
<td>Nov</td>
<td></td>
<td>522</td>
</tr>
<tr>
<td>Dec</td>
<td>Jan-00</td>
<td>1462</td>
</tr>
<tr>
<td>Feb</td>
<td></td>
<td>2111</td>
</tr>
<tr>
<td>Mar</td>
<td></td>
<td>1426</td>
</tr>
<tr>
<td>Apr</td>
<td></td>
<td>2497</td>
</tr>
<tr>
<td>May</td>
<td></td>
<td>2329</td>
</tr>
</tbody>
</table>

Total Miles: 20576

Facts:

Manufacturer's Energy Consumption Information

Range: 38 \( \text{kW-hr/100miles} \)
City: 38 \( \text{kW-hr/100miles} \)
Hwy: 43 \( \text{kW-hr/100miles} \)
Efficiency: 405 \( \text{kW-hr/100miles} \)

Manufacturer's Recall Notices

Jul-99 Recall #99S20
Shift lever in "park" may not fully engage.

Sep-99 Recall #99B17
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Update/Replace Transaxle Inverter Module
Replace Interface Adapter/Assembly Module
Replace Traction Battery Charger
Check Traction Battery Heaters
<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2/11 - 2/12/99</td>
<td>Oil light on dash illuminating - Replace switch</td>
</tr>
<tr>
<td>4/99</td>
<td>Install Meter – Odometer 3043 – Meter # 02 161 889</td>
</tr>
<tr>
<td>4/2 - 4/6/99</td>
<td>Power gauge not reading accurately – oil pressure light illuminating causing reduced range – replace oil-sending unit</td>
</tr>
<tr>
<td>4/20 - 4/21/99</td>
<td>Oil light on dash illuminating – will order parts and call vehicle in for repair</td>
</tr>
<tr>
<td>7/28 - 8/18/99</td>
<td>Replace Modules 18 &amp; 20 – Update BCM – Replace Trans axle</td>
</tr>
<tr>
<td>11/3 - 12/16/99</td>
<td>Recall 99B17 Upgrade – Replace IAA Module</td>
</tr>
<tr>
<td>5/26/00</td>
<td>Meter Removed – End of Test Odometer - 23619</td>
</tr>
</tbody>
</table>
### Invoice Details

**LOU GRUBB Ford**

8555 Frank Lloyd Wright Blvd.
Scottsdale, Arizona 85260

**Service Hours:**
MON - FRI: 7:00 AM - 6:00 PM
SAT: MAINTENANCE / LIGHT REPAIR: 8:00 AM - 1:00 PM

---

**PARTS INFORMATION**

<table>
<thead>
<tr>
<th>PARTS GROUP</th>
<th>TOTAL PARTS</th>
<th>TOTAL LABOR</th>
<th>TOTAL CHARGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>NET TOTAL</td>
<td>NET TOTAL</td>
<td>NET TOTAL</td>
<td>NET TOTAL</td>
</tr>
</tbody>
</table>

**Cost Information**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ITEMS</th>
<th>UNIT</th>
<th>QUANTITY</th>
<th>COST</th>
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</thead>
</table>

**Total Charges**

- **Parts:** $99.90
- **Labor:** $165.29
- **Total Charge:** $265.19

---

**Payment Distribution**

- **Parts:** $99.90
- **Labor:** $165.29
- **Total Charge:** $265.19

---

**Customer Copy**

449854
### Lou Grubb Ford

**8555 Frank Lloyd Wright Blvd.**
**Scottsdale, Arizona 85260**

**FOR SERVICE RESERVATION OR INFORMATION**
(480) 596-2525

---

**INVOICE TO**
Potomac Electric Power Co (PEPCO)
401 South 2nd Ave
Phoenix, AZ 85004

**DRIVER/OWNER INFORMATION -- INVOICE: W1796**
Potomac Electric Power Co (PEPCO)
401 South 2nd Ave
Phoenix, AZ 85004

---

**FOR OFFICE USE**

TAG: 9123
VIN: 1FTMD10Y75GR69947
Date: 04/02/99

---

**VEHICLE INFORMATION**

- Year: 1999
- Make: Ford
- Model: F-150

---

**CONCERN**

- Power gauge not reading accurately
- See Tech Comments below

---

**TECH NOTES**

- EEC test CK codes: 1A 1C 20 94
- BCM system pass 1A 1C
- System pass performed electric motor diagnostic test top off oil level, low level CK all wires affecting CK pressure sending unit circuit
- RBP oil sending unit defective oil pressure light illuminating causing reduced driving range. No labor charge & IT ELECT VEHICLE

---

**PART NUMBER**

<table>
<thead>
<tr>
<th>Description</th>
<th>Qty</th>
<th>Sell</th>
</tr>
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<tbody>
<tr>
<td>FMD F81Z 7E44A 4A</td>
<td>1</td>
<td>71.88</td>
</tr>
</tbody>
</table>

**CONCERN CC: 203**

---

**REPAIR TYPE 01 VISIT 1 CODES**

- **SUBTOTAL**
  - Parts: $99.90
  - Mechanical Labor: $190.69
  - Total Charge: $290.59

---

**SUMMARY OF CHARGES FOR INVOICE W17962**

- Parts: 99.90
- Mechanical Labor: 190.69
- Total Charge: 290.59

---

**IF YOU HAVE ANY QUESTIONS - PLEASE SEE VANESSA POWELL**

---

**CUSTOMER COPY**

---

**STAMPS**

- Signed
- Date: 04/02/99

---

**DEALER CODE**

71J178

---

**P & A CODE**

20323

---

**STOCK# 005059**

---

**DATES INSERVICE: 12/22/99 PRODUCTION: 07/27/98 SOLD TO**

---

**PRINT**

---

**458479**
<table>
<thead>
<tr>
<th>PROJECT NO.</th>
<th>TOTAL PARTS</th>
<th>TOTAL LABOR</th>
<th>TOTAL COST</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FORD**

**LOU GRUBB**

8555 FRANK LLOYD WRIGHT BLVD.
SCOTTSDALE, ARIZONA 85260

**INVOICE TO**

FOTOMIC ELECTRIC POWER CO (FEPCC)
401 SOUTH 2ND AVE
LEE ANN FRYE
PHOENIX, AZ 85004

**DATE**

01/10/99

**INVOICE#**

W30993

**DEALER CODE**

711778

---

**BUTTE/RANCHER INFORMATION**

**INVOICE W30993**

FOTOMIC ELECTRIC POWER CO (FEPCC)
401 SOUTH 2ND AVE
LEE ANN FRYE
PHOENIX, AZ 85004

**DATE**

01/10/99

**INVOICE#**

W30993

---

**CAR CONDITION**

TONE IN LOW RANGE 21 MILES WENT CHARGE UP

**OPERATION**

MI

**HOURS**

116

**MILEAGE**

12.0

---

**TECH NOTES**

TEST 1294 PUMP, TEST 1294 CODE TEST 10A W3 CODES TEST 1294/1295 PUMP TEST CONTACT TSH MACHINE WITH EV HOTLINE TEST 1294 PUMP PACK INSTALL GENS LEADS 1294 PACK REINSTALL REMOVE PACK AGAIN REMOVE CELL 18-20 INSTALL OR CELL AND REINSTALL AND CHARGE REMOVE PACK AGAIN AND REPLACE CELL 18 AND 20 ALSO REPLACE BOX WITH UPDATE REINSTALL AND RECHARGE FOR CODE 1294 REMOVE AND REPLACE ELECTRIC TRANSFORMER WITH NEW ONE USE 1294 OIL PRESS TEST RESEAT ALL PASS REPAIR HISTORICAL DATA AND RESTORE TRANSFORMER SUPPLIED BY FORD ENGINEERING CELL 18-20 REPLACE NEW TRANSFORMER 18-20 AND BOX REQUEST ATTIRE FOR ALL OF REPAIR

---

**FACTORY**

CONCERN 090 036

**COND CODE**

042

**PARTS#**

9866.00

**PARTS COST**

979.20

**TOTAL CHARGE**

3346.00

---

**CUSTOMER COPY**

485395
**Lou Grubb Ford**

**8555 Frank Lloyd Wright Blvd**

**Scottsdale, Arizona 85260**

---

**Invoices**

**Invoice To:**
Phoenix, AZ 85004

**PO Number:**
401 South 2nd Ave

**VIN:**
8V9107446887

**Date:**
04/06/99

**Description:**
POWER GAUGE NOT READING ACCURATELY

**Operation:**
Tech Hours

**Amount:**
190.69

**Parts:**
99.90

**Mechanical Labor:**
190.69

---

**Grand Totals**

**Payment Distribution for Invoice #17562**

**Total Charge:**
290.59

**Frac Warranty:**
290.59

---

If you have any questions, please see Vanessa Powell.
CAPITOL COLLISION REPAIR SPECIALISTS

902 SOUTH 19TH AVENUE
PHOENIX, AZ 85009-
(602) 253-1630

Owner: ETEC
Address: P.O. BOX 70
PHOENIX AZ 85001

Insurance Co.: 
Claim No.: 
Adj.: 

Day Phone: (602) 715-9576-
Other Phn: ( ) -
Deductible: $ N/A

98 FORD RANGER 4X2 XL 2D SHORT WHITE 6-3.0L-FI
Vin: 1FTZR107XWTA84867 License: AF-3337 AZ Prod Date: 7/98 Odometer: 1959

<table>
<thead>
<tr>
<th>NO.</th>
<th>OP.</th>
<th>DESCRIPTION OF DAMAGE</th>
<th>QTY</th>
<th>PART</th>
<th>COST</th>
<th>LABOR</th>
<th>PAINT</th>
<th>MISC</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>PICK UP BOX</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2*</td>
<td></td>
<td>Repr LT Otr pnl 6 ft bx w/o whl opn</td>
<td>1</td>
<td>0.00</td>
<td>4.0</td>
<td>2.9</td>
<td></td>
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</tr>
<tr>
<td>3</td>
<td></td>
<td>Add for Clear Coat</td>
<td>1</td>
<td>0.00</td>
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<td>1.2</td>
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<tr>
<td>4</td>
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<td>REAR LAMPS</td>
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<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>R&amp;I LT Tail lamp assy</td>
<td>1</td>
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<td>0.3</td>
<td>0.0</td>
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</tr>
<tr>
<td>7</td>
<td></td>
<td>R&amp;I Face bar styls/side platinu</td>
<td>1</td>
<td>0.00</td>
<td>0.6</td>
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<tr>
<td>8</td>
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<td>MISCELLANEOUS OPERATIONS</td>
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<td></td>
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<tr>
<td>9*</td>
<td></td>
<td>Refin TINT COLOR</td>
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<td>0.00</td>
<td>0.0</td>
<td>0.5</td>
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<td></td>
</tr>
<tr>
<td>10*</td>
<td></td>
<td>Refin BAG VEHICLE FOR OVERSPRAY</td>
<td>1</td>
<td>0.00</td>
<td>0.3</td>
<td>0.0 T</td>
<td>5.00</td>
<td></td>
</tr>
</tbody>
</table>

Subtotals =>>  0.00  5.4  4.6  5.00
### CAPITOL COLLISION REPAIR SPECIALISTS

902 SOUTH 19TH AVENUE  
PHOENIX, AZ 85009-  
(602) 253-1630

<table>
<thead>
<tr>
<th>Parts</th>
<th>0.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body Labor</td>
<td>5.4 units @ $36.00</td>
</tr>
<tr>
<td>Paint Labor</td>
<td>4.6 units @ $36.00</td>
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<tr>
<td>Paint/Materials</td>
<td>4.6 units @ $22.00</td>
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<tr>
<td>Sublet/Misc</td>
<td>-</td>
</tr>
<tr>
<td>SUBTOTAL</td>
<td>-</td>
</tr>
<tr>
<td>Tax on $ 106.20 at 7.000%</td>
<td>-</td>
</tr>
<tr>
<td>GRAND TOTAL</td>
<td>-</td>
</tr>
</tbody>
</table>

**INSURANCE PAYS**: $ 473.63

---

Estimate based on MOTOR CRASH ESTIMATING GUIDE. Non-material(*) items are derived from the Guide 1999 database. Double asterisk(**) items indicate parts supplied by a supplier other than the original equipment manufacturer. CAPA items have been certified for fit and finish by the Certified Auto Parts Association. 
NAPA Part Numbers, Prices and Labor Times are provided from National Auto Glass Specifications, Inc.

**IXNet - A product of CCC Information Services Inc.**
Vehicle #338 DOE Test Information

<table>
<thead>
<tr>
<th>Total Miles by Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>Month</td>
</tr>
<tr>
<td>Feb</td>
</tr>
<tr>
<td>Mar</td>
</tr>
<tr>
<td>Apr</td>
</tr>
<tr>
<td>May</td>
</tr>
<tr>
<td>Jun</td>
</tr>
<tr>
<td>Jul</td>
</tr>
<tr>
<td>Aug</td>
</tr>
<tr>
<td>Sep</td>
</tr>
</tbody>
</table>

** Vehicle in for service. See maintenance log.

Facts:

Manufacturer's Energy Consumption Information

Range:  City: 38  Hwy: 43  Efficiency: .405
kw-hr/100miles  kw-hr/100miles  kw-hr/100miles

Manufacturer's Recall Notices

Jul-99  Recall #99S20
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Replace Traction Battery Charger
Check Traction Battery Heaters
**Maintenance Log Vehicle # 338 ETA**  
**Electric Ford Ranger**  
*Vin # 1FTZR1079WTA84859*

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
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<tbody>
<tr>
<td>2/99</td>
<td>Install Meter – Odometer 1670 – Meter # 01 978 166</td>
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<tr>
<td>8/10 – 9/7/99</td>
<td>Replace BCM and Module 11 – Motor Assembly</td>
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<td>9/17/99</td>
<td>Meter Replaced – Meter # 02 161 882</td>
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<td>10/25 – 11/16/99</td>
<td>Update BCM – Replace IAA Module – Replace Battery Charger</td>
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<tr>
<td>1/5 – 2/18/00</td>
<td>Low Range after Full Charge – Replace Battery Charger Assembly</td>
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<tr>
<td>5/26/00</td>
<td>Meter Removed – End of Test Odometer - 23217</td>
</tr>
</tbody>
</table>
## LOU GRUBB Ford

**8555 FRANK LLOYD WRIGHT BLVD.**
**SCOTTSDALE, ARIZONA 85260**

---

**SERVICE HOURS:**
MON - FRI: 7:00 AM - 6:00 PM
SAT: MAINTENANCE / LIGHT REPAIR: 8:00 AM - 1:00 PM

---

**BILL TO:**
**FOTOGAC ELECTRIC POWER CO.**
401 SOUTH 2ND AVE
PHOENIX, AZ 85004
HOME: (602) 383-2359  WORK: (602) 236-2599
---

**PAID TO:**
**FOTOGAC ELECTRIC POWER CO.**
401 SOUTH 2ND AVE
PHOENIX, AZ 85004
HOME: (602) 383-2359  WORK: (602) 236-2599

---

**TAG#: 4939**
**VIN#: 1FTFW16R79SA65632**
**MFG#: 920213**
**Odometer #: 2114**

**Dates Begun: 03/05/99**
**Dates Done: 03/05/99**

---

**CONCERN 51**
CUST SYS CHARGE WAIVE NOT WORKING CORRECTLY

**CAUSE**
TEST TCM MODULE, NO CODES TEST

**CORRECTION**
BOX NO CODES TEST PLUG AND TEST BOX CHARGER, DUPLICATE CONCERN

**FACTORY**
CONCERN CDX 640
COND CODE 642

**REPAIR TYPE**: D1 VISIT 1 CODES -

---

**SUBTOTAL**
MECHANICAL LABOR: 59
TOTAL CHARGE FOR CONCERN: 59

**PAYMENT DISTRIBUTION FOR INVOICE #:**
MECHANICAL LABOR: 59.59
TOTAL CHARGE: 59.59
bare warranty: 59

---

**IF YOU HAVE ANY QUESTIONS** - PLEASE SEE BRIAN THOMAS BOYLE

---

**CUSTOMER COPY**

---

**PAGE**

---

**DEALER CO.**
71J178
P & A CODE
20323

---

**FOR SERVICE RESERVATION OR INFORMATION**
(602) 596-2525
<table>
<thead>
<tr>
<th>DEPARTMENT</th>
<th>BILLABLE &amp; NON BILLABLE</th>
<th>BILLABLE &amp; NON BILLABLE</th>
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<tbody>
<tr>
<td>TOTAL</td>
<td>4,204</td>
<td>4,204</td>
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</tbody>
</table>

**Components:**
- Parts: 6,946.44
- Mechanical Labor: 640.00
- Total Charge: 6,946.44

**Repair Type:** 01

**Customer Copy:**

419968
# LOU GRUBB Ford

8555 FRANK LLOYD WRIGHT BLVD.
SCOTTSDALE, ARIZONA 85260

<table>
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<th>PART NO.</th>
<th>TOTAL PARTS</th>
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<td>6306.44</td>
<td>95.00</td>
<td>640.00</td>
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**SUMMARY OF CHARGES FOR INVOICE #2234**

- PARTS: 6306.44
- SUBLET REPAIRS: 95.00
- MECHANICAL LABOR: 640.00
- TOTAL CHARGE: 7041.44

**PAYMENT DISTRIBUTION FOR INVOICE #2234**

- FAC WARRANTY: 7041.4

**INVOICE TO**

POTOMAC ELECTRIC POWER CO

**FOR SERVICE USE**

SUNRAYS, 272 RLY, A D INVOICED AT 09/07/99 11:54:49 AM

**VEHICLE INFORMATION**

RANGER

**LICENSE NUMBER** AE 623300

**ACKNOWLEDGE RECEIPT OF THE PARTS AND LABOR LISTED BELOW**

**DEALER CODE**

71J177

P & A CODE

20323

**INVOICE** #2234

- 7041.4

**PREVIOUS**

- 0

**TOTAL**

- 7041.4

**CUSTOMER COPY**

419990
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<tr>
<td>P5-457678</td>
<td>MOTOR ASY</td>
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<tr>
<td>P5-457679</td>
<td>BATTERY</td>
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<td>301.00</td>
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<td>P5-457680</td>
<td>CONTROL AND BATTERY</td>
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</table>

PARTS: COUNT 3

ALLOWANCE: 10.99%

CONCERN CODE 002

REPAIR TYPE 01 VISIT 1 CODES -

SUBTOTAL: 6364
SUBLET REPAIRS: 95
MECHANICAL LABOR: 94
TOTAL CHARGE FOR CONCERN: 7541

CUSTOMER COPY 419989
**Lou Grubb Ford**

8555 Frank Lloyd Wright Blvd.
Scottsdale, Arizona 85260

---

### Invoice to:

Potomic Electric Power Co.
401 South 2nd Ave.
Phoenix, AZ 85004

---

### Driver/Owner Information — Invoice: WI4173

Potomic Electric Power Co.
401 South 2nd Ave.
Phoenix, AZ 85004

---

### VIN Information — Invoice: WI4173

VIN: 1FTZTRX1074A64859
Vehicle Information

---

### Costs

<table>
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<td>Total</td>
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---

### Notes

We did not fix anything. It was for repairs only. This is NPS time.

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**Accounting Copy**

463419