**MODEL 4: - plots on last page.**

**> gmdata[62,]**

Price Mileage Make Cylinder Liter Cruise Sound Leather

62 70755.47 583 Cadillac 8 4.6 1 1 1

**> boxplot(gmdata$Price)**

**> gmdata31<-gmdata[-62,]**

**> gmmod4<-lm(Price~.,data=gmdata31)**

**> summary(gmmod4)**

Call:

lm(formula = Price ~ ., data = gmdata31)

**Residuals**:

Min 1Q Median 3Q Max

-7952.1 -1654.4 -140.9 1273.9 27129.2

**Coefficients**:

Estimate Std. Error t value Pr(>|t|)

(Intercept) 2.604e+04 1.699e+03 15.330 < 2e-16 \*\*\*

Mileage -1.917e-01 1.746e-02 -10.980 < 2e-16 \*\*\*

MakeChevrolet -1.678e+04 6.791e+02 -24.711 < 2e-16 \*\*\*

MakePontiac -1.820e+04 6.567e+02 -27.707 < 2e-16 \*\*\*

Cylinder -2.357e+03 4.695e+02 -5.019 7.26e-07 \*\*\*

Liter 7.806e+03 5.331e+02 14.643 < 2e-16 \*\*\*

Cruise 8.032e+01 3.750e+02 0.214 0.830

Sound 5.523e+01 3.634e+02 0.152 0.879

Leather 2.878e+02 3.930e+02 0.732 0.464

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Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 3211 on 490 degrees of freedom

Multiple R-squared: 0.8913, Adjusted R-squared: 0.8896

F-statistic: 502.4 on 8 and 490 DF, p-value: < 2.2e-16

**> par(mfrow=c(2,2))**

**> plot(gmmod4)**



