





## 4L80-E / 4L85-E Specifications-Quick Reference

### Transmission Drive

Longitudinal Rear-wheel Drive

### Transmission Type

4L80-E / 4L85-E = Automatic Four Speed  
Overdrive with a Mechanical Torque  
Converter Clutch

### Control Systems

Electronic Transmission Controller  
Shift Pattern - Solenoid Control  
Shift Quality - Pressure Control Solenoid  
Torque Converter Clutch - Lock up/Damper  
Additional Transmission and Engine Sensors  
are provided depending on Transmission/  
Powertrain Application

### Gear Ratios

1st: 2.482  
2nd: 1.482  
3rd: 1.000  
4th: 0.750  
Rev: 2.077

### Maximum Engine Torque

4L80-E: 597 Nm (440 lb-ft)  
4L85-E: 624 Nm (460 lb-ft)

### Maximum Gearbox Torque

1200 Nm (885 lb-ft)

The maximum torque limits are only to be  
used as a guide and may not always be  
applicable under certain conditions.

### Maximum Shift Speed

The maximum shift speed allowed is  
application dependent.

### Maximum Gross Vehicle Weight

4L80-E: 7,484 kg (16,500 lb)  
4L85-E: 8,182 kg (18,000 lb)  
(application and axle ratio dependent)

### Max. Gross Combined Weight

9,525 kg (21,000 lbs)

### Transmission Fluid Type

Dexron® III

### Converter (reference)

Size: Bolt Diameter:  
310 mm 292.10 mm

### Converter Stall Torque Ratio Range

1.9 to 2.3

### Converter "K" Factor Range

87 to 117

Not all "K" Factors are applicable across the  
entire range of Converter Stall Torque Ratios

### Transmission Fluid Capacities (Approx.)

Bottom Pan Removal: 7.3 L (7.7 quarts)  
Dry: 12.5 L (13.2 quarts)

### Transmission Weight (Base)

4L80-E: Dry: 104 kg (229 lbs)  
Wet: 115 kg (253 lbs)  
4L85-E: Dry: 104.5 kg (230 lbs)  
Wet: 115.5 kg (255 lbs)

### Transmission Packaging Information

Overall Length

817.23 mm (Reference - Base)

Engine Mounting Face to Case Rear Face  
660.65 mm

Engine Mounting Face to Converter Lug  
22.1 mm nominal to 22.8 mm nominal  
Depending on Engine Application

### 7 Position Quadrant

(P, R, N, OD, D, 2, 1)

### Pressure Taps Available

Line Pressure