

PE04-039

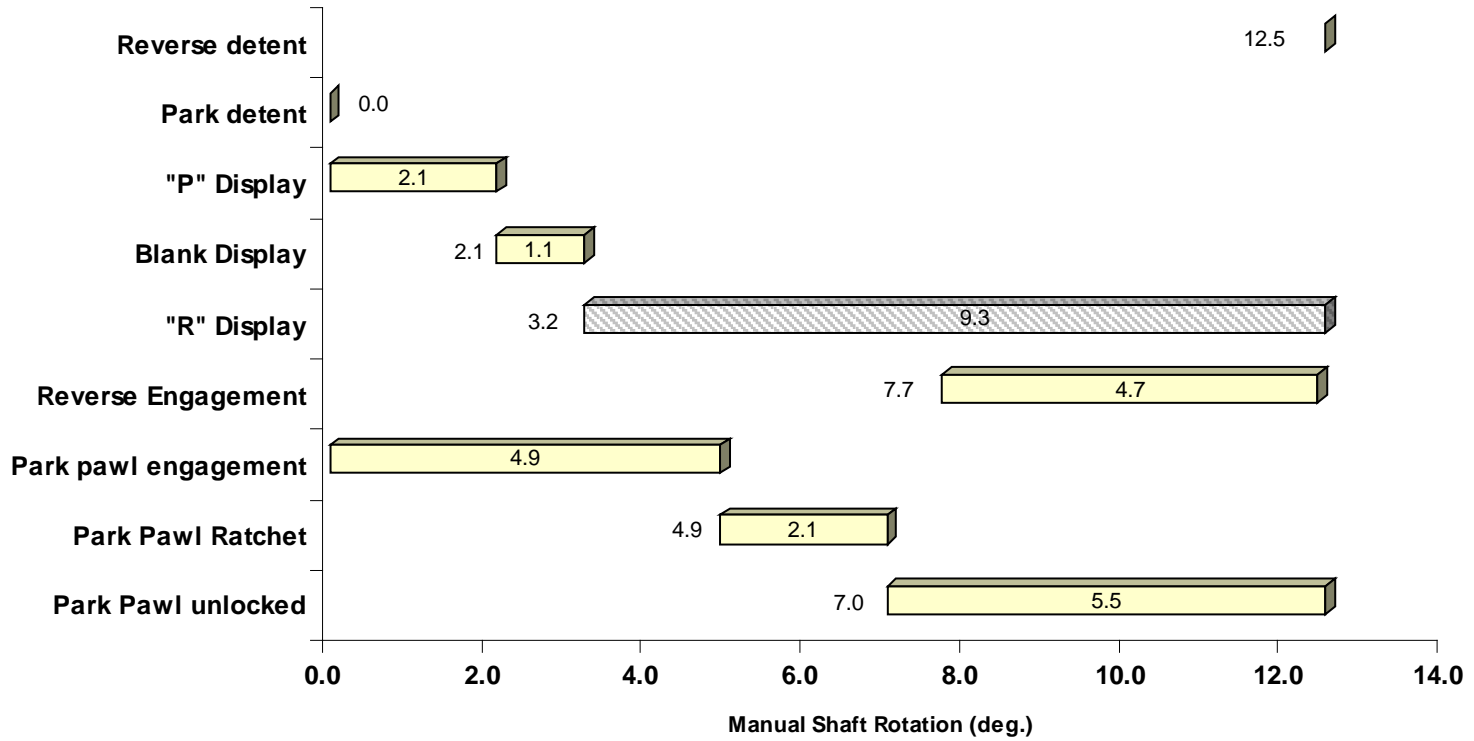
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6-22-2004

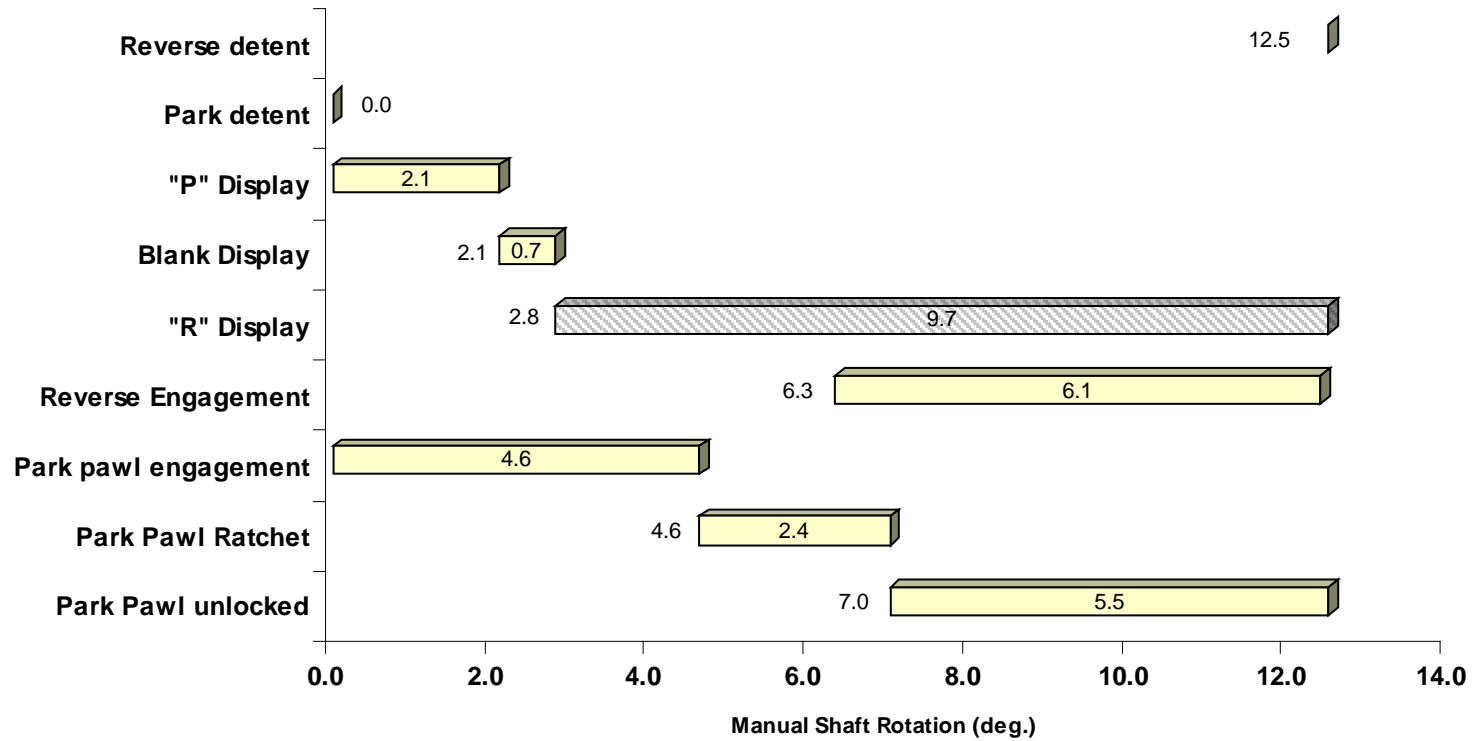
ENCLOSURE 8

Shift sequence study

48RE Park-to-Reverse Shift Sequence Study



48RE Reverse-to-Park Shift Sequence Study



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ENCLOSURE 12

2003 Ram OM cover



DODGE

2003 Ram Truck

Owner's Manual

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ENCLOSURE 12

2003 Ram OM Engine Idle

performance. No-load engine speeds should be kept under 1,000 rpm during the warm-up period, especially in cold ambient temperature conditions.

If temperatures are below 32°F (0°C), operate the engine at moderate speeds for 5 minutes before full loads are applied.

Engine Idling

Avoid prolonged idling. Long periods of idling may be harmful to your engine because combustion chamber temperatures can drop so low that the fuel may not burn completely. Incomplete combustion allows carbon and varnish to form on piston rings and injector nozzles. Also, the unburned fuel can enter the crankcase, diluting the oil and causing rapid wear to the engine.

Stopping The Engine

Idle the engine a few minutes before routine shutdown. After full load operation, idle the engine 3 to 5 minutes before shutting it down. This idle period will allow the lubricating oil and coolant to carry excess heat away from the combustion chamber, bearings, internal components, and turbocharger. This is especially important for turbocharged, charge air cooled engines, like your Turbo Ram.

Driving Condition	Load	Turbo-charger Temperature	Idle Time (min.) Before Engine Shutdown
Stop and Go	Empty	Cool	Less than One
Stop and Go	Medium		One
Highway Speeds	Medium	Warm	Two
City Traffic	Maximum GCWR		Three
Highway Speeds	Maximum GCWR		Four
Uphill Grade	Maximum GCWR	Hot	Five

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ENCLOSURE 12

2003 Ram OM Parking rec

"N" Neutral

Shift to Neutral when the vehicle is standing for prolonged periods with the engine running. The engine may be started in this range. Set the parking brake if you must leave the vehicle.

"D" Drive

This position provides all forward gears, including 3rd gear direct and 4th or 5th (if equipped) gear overdrive (see Overdrive Operation). Use this range for most city and highway driving.

"2" Second

Use this position for driving slowly in heavy city traffic or on mountain roads where more precise speed control is desirable. Use it also when climbing long grades, and for engine braking when descending moderately steep grades.

NOTE: Do not exceed maximum engine speed.

"1" First

Use this position for driving up very steep hills and for engine braking at low speeds (32 km/h (20 mph) or less) when going downhill.

NOTE: Do not exceed maximum engine speed.

WARNING!

Never use Park position on an automatic transmission as a substitute for the parking brake. Always apply parking brake fully when parked to guard against vehicle movement and possible injury or damage.

Overdrive Operation

The overdrive automatic transmission contains an electronically controlled fourth and fifth (if equipped) speed (Overdrive). The transmission will automatically shift