

# PRESENTATING

## **TATA 712 LPT BS6** - *Built Stronger to carry Long and Heavy Loads*

- Same Tata Assurance of Quality
- Better Drivability
- High on Comfort

### Top 6 Features

Tilt and Telescopic  
Power steering

Air brake for more  
effective braking

Largest high deck load  
body in the segment

Lowest Maintenance  
cost and 60K Service  
Interval

Highest Gradeability

Flat Torque for best in  
class Mileage



**LPT 709 Range  
is now  
712 LPT BS6**





# TATA 712 LPT BS6- Power of 6 in BS6

**TATA MOTORS**  
Connecting Aspirations



## 1. Power of Business Profit

- Better Deck lengths- Now available in Internal 14 Ft, 17 Ft
- Better Payload - GVW node of 7.5 T with stronger aggregates suitable for heavy loads
- Improved TCO/Fuel Efficiency- 5%- 7.5% better Fuel Efficiency over BS4/ minimum 3.3% improvement in TCO, better profitability
- Increased Service Interval
  - Service Intervals upgraded: 60,000 KMs for 3.3 L NG BS6 Engines
  - Hub greasing, coolant Service interval now at 1,20,000Kms
- Faster Turnaround means 1 – 3 More round Trips per month easily
  - Optimum power generation, max Torque generated at 100RPM, low end torque increased by 8%- increases Engine's response
  - Drivability improvement along with cabin feature improvements
- Optimised Payload with better capabilities due to new Banjo Rear axle and new 5mm thick toughest HSS 800 steel chassis

## 2. Power of Vehicle Performance

- Higher Power & Torque-
  - 3.3 L NG BS6 Engine: Max power of 125 PS @ 2600 RPM, Max Torque of 390 Nm at 1000RPM, starting RPM
  - Variable Geometry Turbocharger for better power management
- Improved Low End Torque-
  - Low End torque Increased to 390 Nm (8 % increase)
  - Engine response is now immediate in start stop conditions
- Better Drivability with flatter torque over wider rpm band
  - Improved Flat Torque Range (1000 - 2200 RPM) leads to Better Mileage & lesser gear shifting and easy overtaking
- Gradeability increased to 38.4%+ with Best in class restart-ability
- Improved Braking Performance of AIR BRAKES with Separate Vacuum pump on engine
- Robust Performance:
  - Strongest chassis with HSS 800 Steel with high tensile strength, bolted design for increased modularity.
  - Banjo Type Rear Axle - More Load carrying capacity, lesser prone to leakage.
  - Serrated & Bolted Coupling flange at propeller shaft for better Reliability and Maintenance.



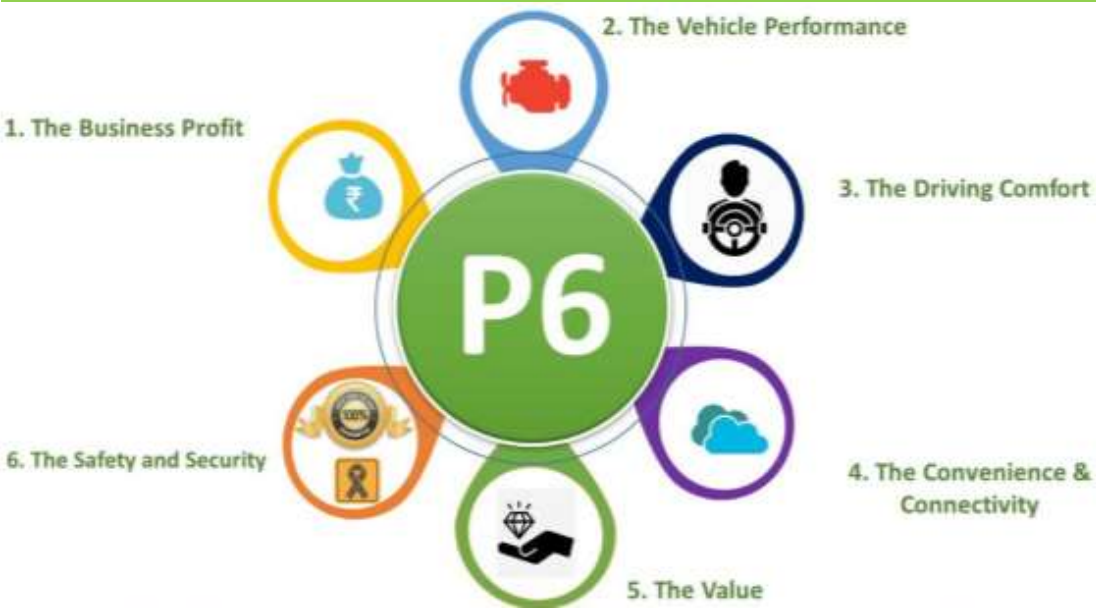


# TATA 712 LPT BS6- Power of 6 in BS6

**TATA MOTORS**  
Connecting Aspirations

## 3. Power of Driving Comfort

- New Seats with better design -Melba Fabric for Seats for better comfort in both summer and winter, Seat Adjustment in XZ Direction,
- Improved pedal positions & Effort
  - Improved Ergonomic pedal positions to reduce fatigue
  - Low Hysteresis clutch along with clutch booster to Lower Pedal Effort by 40%
- Improved Gear shift Ergonomics and Quality
  - Lower Gear Shift with optimized Gear Shift travel
  - Effort reduced by 30% over BS4
- Better Suspension- increased thickness of Leaf springs with Hydraulic Double acting Shock Absorbers
- Power Steering as standard- New Steering Wheel with Tilt and Telescopic Power Steering with reduced effort as a standard fitment
- Better overall Ergonomics -Lower NVH with improved engine mount Combined with Parabolic suspension



## 4. Power of Convenience & Connectivity

- Instrument Cluster- New Multi-Function Ergonomic Instrument Cluster with inbuilt Gear Shift Advisor (GSA), Tell Tale Symbol
- Connectivity enabled Truck as standard
  - new improved telematics system (Fleet Managers Mobile App, Fleet Owner App, Driver App)
- Gradeability increased to 38.4%+ with Best in class restart-ability
- Infotainment- High Quality Music System with Blaupunkt Speakers and High Speed USB Mobile Charger
- Illuminated Facia Switches for ease of detection:
  - Illuminated key hole helpful for night operations
  - Illuminated dashboards help to alert and draw attention
- Reverse Parking assistance- helps the driver sense when objects are in the vehicle's "blind spot"
- Best in class Cabin Storage- More space inside the cabin



# TATA 712 LPT BS6- Power of 6 in BS6

**TATA MOTORS**  
Connecting Aspirations



## 5. Power of Value

- Superior Service Network- 1 Service Station for every 50 Kms, 24 hours Support, 1500 Channel Partners, 29 State Service office, 250+ On Site Engineers, 262 Mobile Workshops, 531 Container Workshops
- 3x3 warranty (3 Years 300000Km) – 3 Saal, Aapka Khayal
- Diagnostics to ensure higher uptime- On Board Diagnostic system helps provide proactive system alerts
- TATA Motors Genuine Oil- Lowest MRP Oil available in the market to reduce customers operating cost
- Reliable Proven Engines -The DNA of BS4 Engine is carried to the BS6 Engine so that the same reliability and Mileage Superiority is achieved
- Higher Resale Value for TML Trucks-1.5 lakh BS4 ILCV vehicles on road- will definitely increase resale in coming years, Better Aggregates make longer life of parts, Tata OK and Tata Prolife support

## 6. Power of Safety & Security

- Safest Cabin & vehicle with Robust Frame & Aggregates-
  - SAFETY ENHANCED ALL Steel Cabins with more solid built quality, Banjo Type Rear Axle for better Load carrying capacity, Serrated Coupling flange propeller shaft for better Reliability and Maintenance
  - Strongest chassis with HSS 800 steel
- Best in Class Braking Performance with AIR BRAKES with Separate Vacuum pump on engine
- Power Steering & Reverse Parking as a standard fitment
- Tata Samrath-
  - Swasthya (Wellness program),
  - Sampatti (Finance program)
  - Siksha (Education program)
  - Surakshit (driver on wheel insurance)
- Tata Sampurna Seva 2.0-

Tata Alert	Tata Motors Insurance
Tata Delight	Tata Prolife
TATA Kavach	Tata Genuine Parts
Tata Zippy	Tata OK
TATA Suraksha	Tata Connectivity





# 712 LPT BS6- Technical Specifications

## POWER TRAIN

Engine Type	3.3 L NG
Displacement	3300 cc
Max Power (in kW)	125PS @ 2600 RPM
Max Torque (in Nm)	390 NM @ 1000 - 2200 RPM
Clutch	Single plate dry friction type- 280 mm dia
Transmission	GBS 40, 5 Speed, Manual Synchromesh Gearbox (5F, 1R) PTO Provision in CAB

## FUEL SYSTEM

Fuel Injection system	M/s Delphi (suitable upto 2000 bar)
Fuel tank capacity (in litres)	120L

## ELECTRICALS

Battery	12V, 100 Ah capacity
Alternator	75 Amps

## SUSPENSION AND TYRES

Front Suspension	Semi elliptical leaf springs with Hydraulic Double acting Shock Absorbers
Rear Suspension	Semi elliptical leaf spring
No of tyres	Front 2,Rear 4 , Spare 1
Front	7.50-16 16PR
Rear	7.50-16 16PR

## BRAKES

Service Brake	Full S-cam air Brakes, Auto Slack adjustor Fitted
Parking Brake	Graduated valve controlled spring brake chamber integral with rear brake

## STEERING AND FRAMES

Steering System	Tilt and Telescopic Power Steering
Frame	Ladder type frame with riveted/bolted cross members.

**Power steering**

**AIR BRAKES with Separate Vacuum pump on engine for more effective braking**

**Largest high deck load body in the segment**

**Lowest Maintenance cost & easy spare availability**

**Highest Gradeability and Flat Torque Band**

**MAX GRADEABILITY: 38.4%+ ( on 1<sup>st</sup> Gear)**



# 712 LPT BS6- Technical Specifications

Product	712 LPT					
Gross vehicle weight (in kg)	7490 (7.49 Ton)					
Tyre	7.50-16 16PR (6 Tyres)					
Variant	CBC	FSD	HDLB	CBC	FSD	HDLB
Wheel base (in mm)	3400	3400	3400	3800	3800	3800
Overall Length (in mm)	6215	6224	6224	7077	7102	7102
Overall Height (in mm)	2390	2390	2890	2390	2390	2890
Overall Width (in mm)	2155	2255	2255	2155	2255	2255
Load body Length (in mm )	NA	4347 (14.26 Ft)	4347 (14.26 Ft)	NA	5217 (17.11 Ft)	5217 (17.11 Ft)
Load body Width (in mm )	NA	2117 (6.94 Ft)	2117 (6.94 Ft)	NA	2117 (6.94 Ft)	2117 (6.94 Ft)
Load body Height (in mm )	NA	585 (1.91 Ft)	1835 (6.02 Ft)	NA	585 (1.91 Ft)	1835 (6.02 Ft)
Minimum Turning Dia (in meters )	13			13.5		
Minimum Ground Clearance (in mm )	193					
Seating Capacity	Driver + 2					
Warranty	3 years or 300000 km, Whichever is earlier*					

Maintenance Activity		Engine
		3.3 L NG BS6
Engine oil	Service Interval (Km)	60,000
T/M oil		120,000
Differential oil		120,000
Power steering oil		120,000
Coolant		240,000
Clutch oil		120,000
Hub grease Front		120,000
Hub grease Rear		120,000

# The 3.3L NG BS-6 Engine

## Engine Comparisons: 497 TCIC BS-4 v/s 3.3L NG BS-6

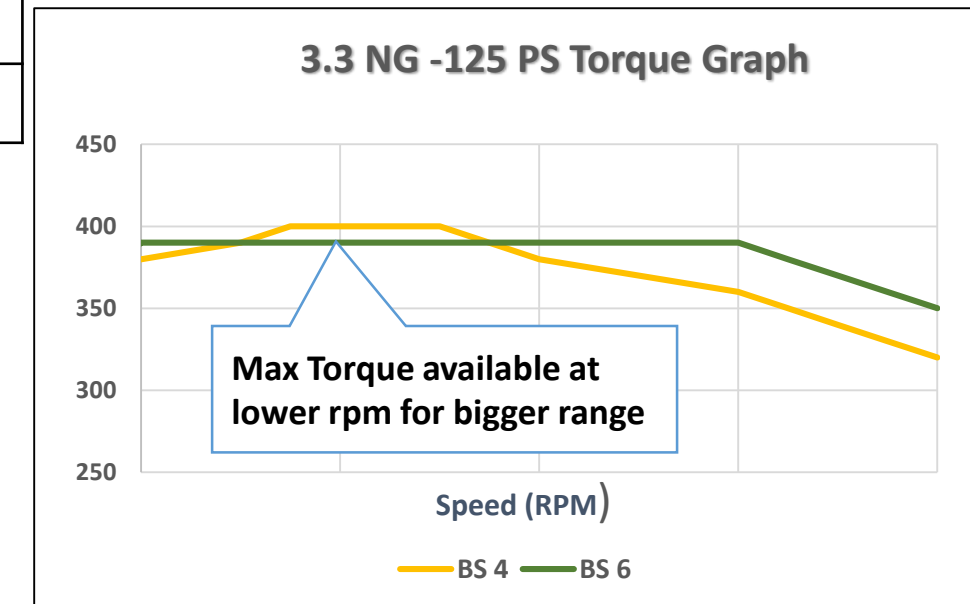
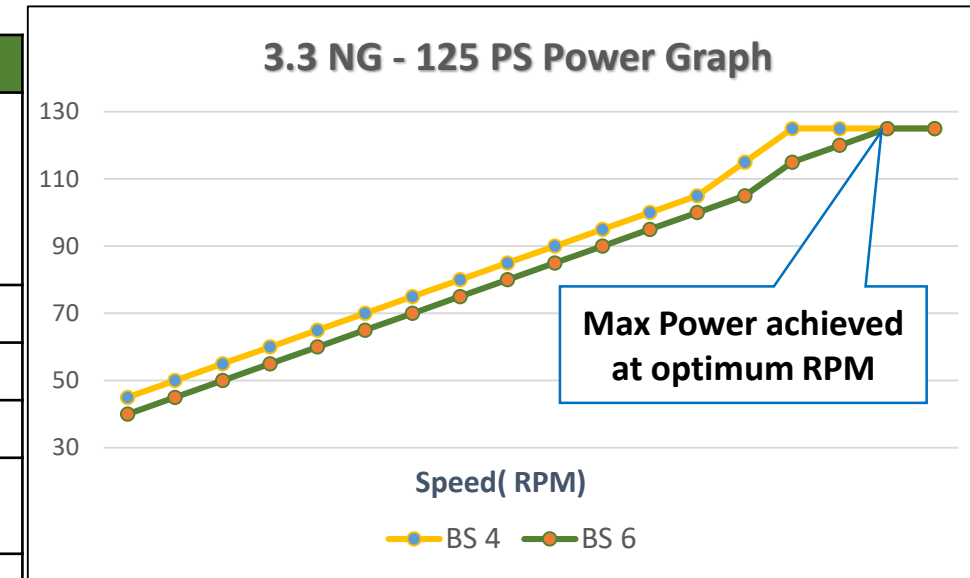
Parameter	497 TCIC- BS4	3.3L NG-BS6	Advantage
Engine Type	4 Stroke TCIC CR BSIV Engine	4 Stroke TCIC direct injection BS VI Engine	Engine has the space for better intake and exhaust valves to be fitted on the head which further improves power
Bore x Stroke (mm)	97mm x 128mm	100mm X 105 mm	
Engine Capacity	3783cc	3300 cc	Optimum cc for better performance
Max Power	125 PS @ 2400 RPM	125PS @ 2600 RPM	Max Power achieved @ optimum RPM
		155PS @ 2600 RPM	Max Power increased by 24%
Max Torque	400 NM @ 1300-1600 rpm	390 NM @ 1000 - 2200 RPM	Max Torque available at lower RPM for bigger range
		450 NM @ 1400 – 2200 RPM	Max Torque Increased by 12.5%
Low end Torque	360 NM	390 NM	Low End torque Increased by 8%

**Optimal Power and Torque leading to better drivability and load carrying capacity**

**Longer flat torque leads to better restart ability, Gradeability and Fuel economy**

**5-7.5% better fuel economy over 497 CR BS4**

**Enhanced service interval (40000 KM to 60000 KM)**



# Improved Product Package

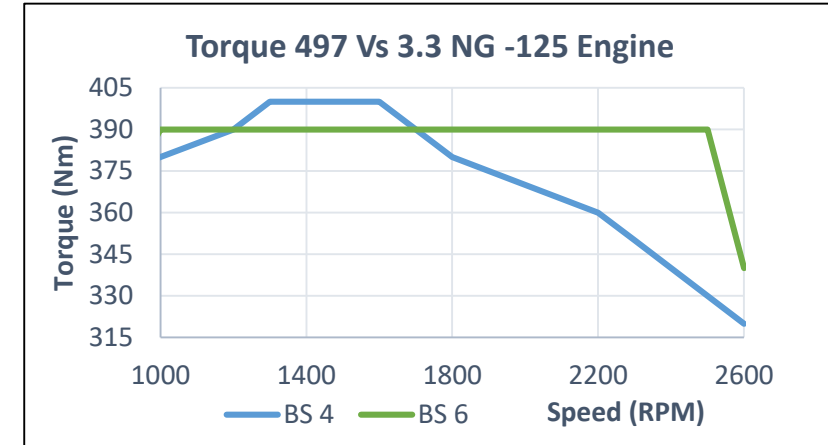
BS4



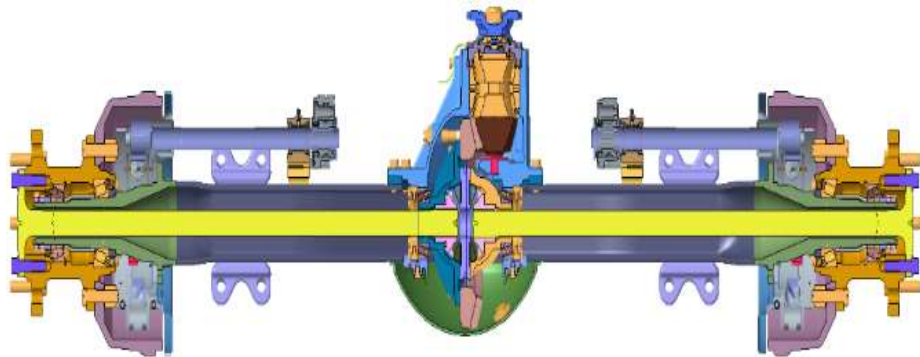
BS6



The DNA of BS4 Engine is carried to the BS6 Engine so that the same reliability and Mileage Superiority is achieved



Improved Drivability because of improved Low end torque and Flat Torque Range-Better Mileage



**Banjo Type Rear Axle**  
More Load carrying capacity, lesser prone to leakage



**HSS 800 high strength steel with high tensile strength**  
Strongest chassis in its class with bolted design for increased modularity  
Single piece frame for Engine mountings updated inline with BS 6 engines



# Improved Product Package



**Light Weight Loadbody with increased strength**



**Serrated Coupling flange propeller shaft for better Reliability, Maintenance & to increase Power Transmission**



**Gradeability Improvement  
( ~38.4%+)**



**SAFETY ENHANCED with more solid built quality on LPT Cabin**



**Transmission / Steering oil change / Hub Greasing interval is improved from 80k kms to 120000 kms**



**Urea Tank- 25 Lt**



**Separate Vacuum pump on engine for efficient Braking, BS4 was alternator mounted**



**E-Viscous fan to improve the performance of the vehicle**

# Improved Drivers' Package



**AIR Brakes with Separate Vacuum pump on engine**



**Lower Pedal Effort on Clutch**  
Low Hysteresis clutch along with high size clutch booster  
Reduced effort by 40% over BS4



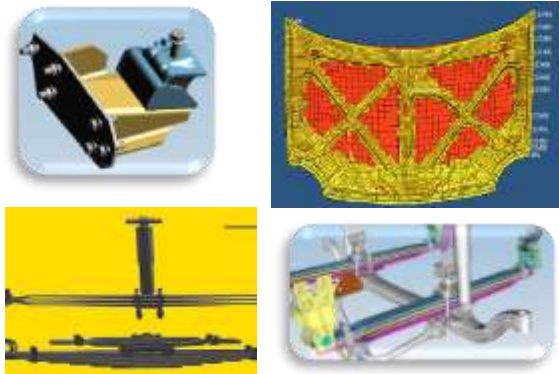
**Lower Gear Shift Effort with optimized Gear Shift travel**  
Effort reduced by 30% over BS4



**Power Steering with Tilt & Telescopic Feature**  
New Steering Wheel



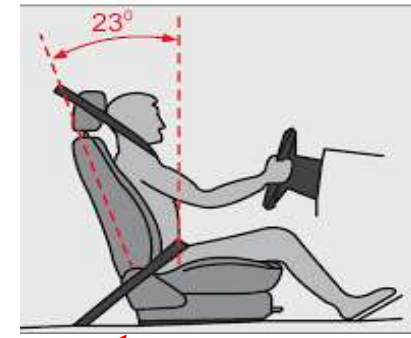
**ABC Pedals**  
Improved Ergonomic pedal positions to reduce fatigue



**Lower NVH with improved engine mount & increased thickness of Leaf springs with Hydraulic Double acting Shock Absorbers**



**Seat Fabric**  
Melba Fabric for Seats for better comfort both in summer and winter



**Seat Adjustment**  
Seat Adjustment in XZ Direction



**Improved New Combination switch**  
with better reliability

# Improved Connectivity



**Internal Connectivity – High Quality Music System with Blaupunkt Speakers and High Speed USB Mobile Charger**



**New Multi-Function Ergonomic Instrument Cluster**



**External Connectivity – to Drivers and Fleet App**

Parameter	Tell Tale Symbol	Colour
Urea low level indicator		Amber
SCR system Fault		Amber
DPF regeneration Req		Amber

**Tell Tale Symbol on instrument cluster**



**Gear Shift Advisor in Instrument Cluster**



# Features of Instrument Cluster








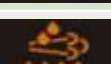









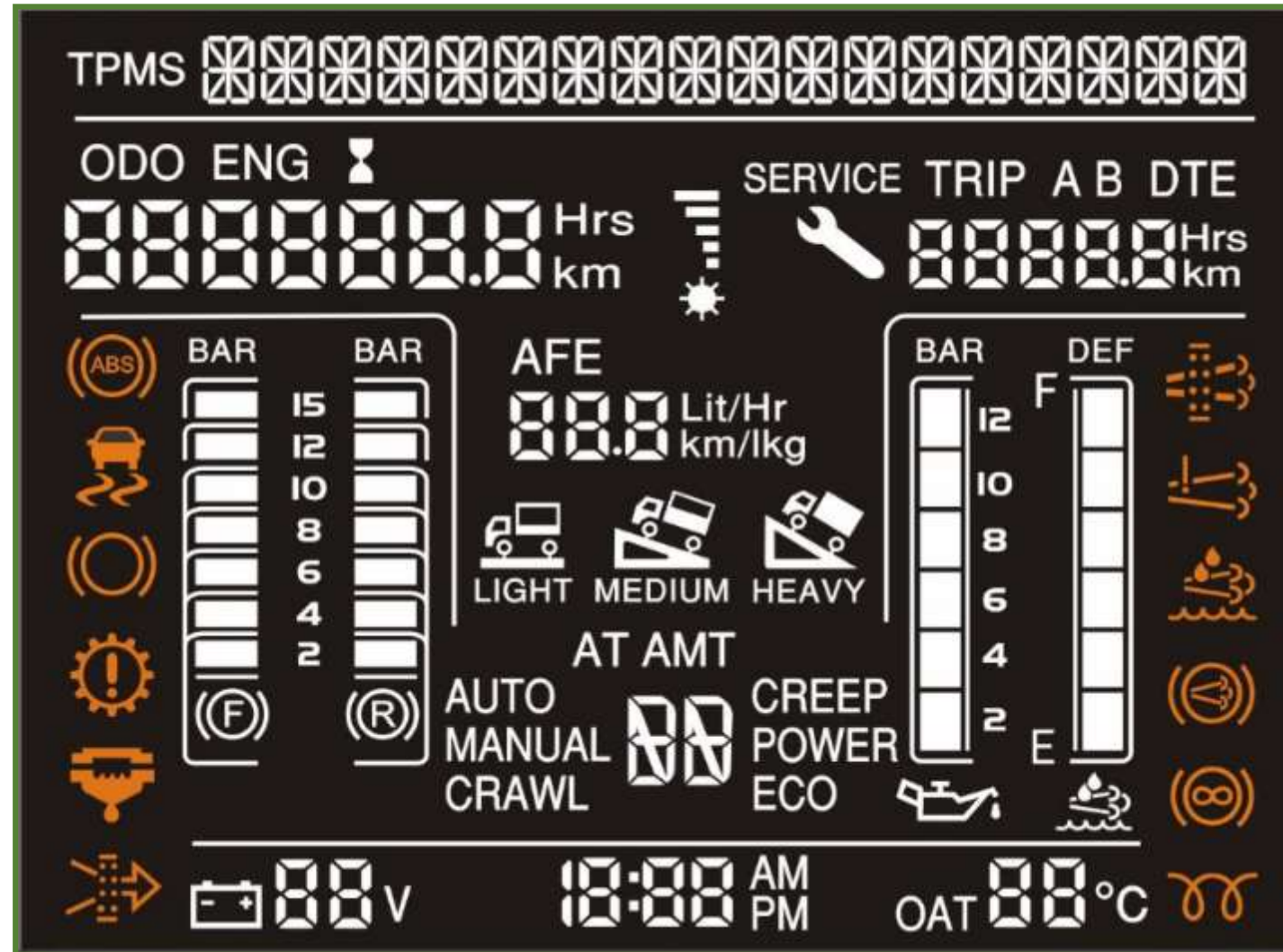
Tell-Tale	Description
	Turn Left
	Neutral
	Front & Rear Fog Lamp
	Low oil Pressure
	Stop Engine ( Critical to Engine)
	MIL (Malfunction Indication lamp) (Emission)
	Tilt Cab lock- Not activated for ILCV
	Battery Charging
	Check Engine Lamp

Most Critical

Tell-Tale	Description
	Turn Right
	Check Engine
	HEST (High Engine Exhaust Temp)
	Gear Up Shift
	Gear Down Shift
	Parking Brake
	Seat Belt
	High Beam
	Power take off

# Features of Instrument Cluster

Tell-Tale	Description
	ABS Malfunction
	Water in fuel
	Air Filter Clogged
	DPF Regeneration Required 
	SCR System Fault 
	Low DEF Level Indicator 
	Exhaust Brake
	Check Transmission *
	ESC (Electronic Stability Control)*
	Brake Pad Indicator *
	Retarder *
	Glow Plug *



 : Most Critical

Note : \* Not activated for ILCV



# Regeneration / other switches Position on Dashboard



## New DASHBOARD CONSOLE with

- MUSIC SYSTEM with high quality Blaupunkt Speakers
- High Speed USB CHARGER
- Manual Regeneration Switch
- Driving Modes Switches don't work

Manual Regeneration On & OFF Switch

# TATA 712 LPT BS6– Improved Product Package

**TATA MOTORS**  
Connecting Aspirations

## BS4

Diesel-497 CR-  
125 PS @ 2400 rpm  
400 NM @ 1300-  
1600 rpm  
LET- 360 Nm @  
1000 rpm

G550 5-Speed  
Gear Box

Bolted Plain  
Coupling Flange  
propeller shaft

Banjo/  
Salisbury Type  
Rear Axle

Air Brakes

Conventional  
Load bodies  
with no proper  
deck lengths

Service Interval  
20000 Km  
multiples

## BS6

Diesel- 3.3 L NG-  
125 PS @ 2600  
rpm  
390 NM @ 1000-  
2200 rpm  
LET- 390 Nm @  
1000 rpm

GBS40  
5-Speed NG  
Gear Box

Serrated and  
Bolted Coupling  
Flange propeller  
shaft

Banjo Type  
Rear Axle

Connectivity –  
Standard  
telematics  
Fitted-

Gear Shift  
Advisor

Air Brakes with  
additional  
Vacuum Pumps

VECU –  
Vehicle  
Controller-  
smart Trucks

NG Load Body-  
internal deck  
lengths- 14 Ft  
and 17 Ft

Cab Chassis  
with PTOP –  
Standard

Service Interval  
3.3L : 60000Km

New  
Improved  
Driver  
Package

Remote  
Diagnostic

• Better TCO, Drivability, Comfort-Convenience, Durability & Connectivity



# 712 LPT BS6- Applications



Fruits and Veg



Food Grains



Industrial Goods



White Goods



LPG Cylinder



FMCG



E Commerce and parcel



Cold Drinks and  
Water bottle



Reefers and  
Containers



Poultry

		Just 3 Extra trips will ensure better than BS4 TCO				TATA MOTORS Connecting Aspirations	
Parameter		LPT 709 Ex2 HDLB/ BS 4	712 LPT HDLB/ BS 6	712 LPT HDLB/ BS 6	712 LPT HDLB/ BS 6	712 LPT HDLB/ BS 6	712 LPT HDLB/ BS 6
Application		Fruits and Veg	Fruits and Veg	White Goods/ FMCG	E Commerce	Grains	
Truck Ownership Cost as % of total spend.							
No of Trips per Month		22	25	25	25	25	
KMs Per Trip		180	180	180	180	180	
No of Years in operation		4	4	4	4	4	
Kms in 4 Years		190080	216000	216000	216000	216000	
Finance							
Cost of Asset		1352961	1502961	1502961	1502961	1502961	
Finance 7%		378829	420829	420829	420829	420829	
Insurance		135296	150296	150296	150296	150296	
Total Finance		1867086	2074086	2074086	2074086	2074086	
Financing Cost Per Km		9.82	9.60	9.60	9.60	9.60	
Fuel Efficiency		7.00	7.49	7.49	7.75	7.49	
Fuel Consumed in (Lts)		27154.3	28838.5	28838.5	27871.0	28838.5	
Fuel Cost / KM		10.00	9.35	9.35	9.03	9.35	
Payload		3.8	3.8	3.8	3.8	3.8	
AMC cost 45 paise per KM							
Maintenance Cost		0.5	0.5	0.5	0.5	0.5	
Driver Cost for 4 Years		720000	720000	720000	480000	720000	
Driver Cost /KM		3.79	3.33	3.33	2.22	3.33	
Admin Costs		96000	96000	96000	96000	96000	
Admin Costs /KM		0.51	0.44	0.44	0.44	0.44	
Toll Cost /Km		2.00	2.00	2.00	2.00	2.00	
Residual Value		676480.5	751480.5	751480.5	751480.5	751480.5	
Residual Value / Km		3.6	3.5	3.5	3.5	3.5	
Tyres Cost- Front		18500	18500	18500	18500	18500	
Front Tyres Kms		60000	60000	60000	60000	60000	
No of times replaced		3.2	3.6	3.6	3.6	3.6	
Total Cost over Kms		58608	66600	66600	66600	66600	
Front Tyres / KM		0.31	0.31	0.31	0.31	0.31	
Rear Tyres Kms		50000	50000	50000	50000	50000	
Tyres Cost- Rear		36000	36000	36000	36000	36000	
No of times replaced		3.80	4.32	4.32	4.32	4.32	
Cost		136858	155520	155520	155520	155520	
Rear Tyres / KM		0.72	0.72	0.72	0.72	0.72	
Total Tyre Cost		1.03	1.03	1.03	1.03	1.03	
Total Cost Per Km		24.1	22.8	22.8	21.4	22.8	
Cost per ton KM (without DEF)		6.3	6.0	6.0	5.6	6.0	
DEF Consumption (4% of Diesel) per KM		0.00	0.14	0.14	0.13	0.14	
TOTAL Cost per Ton Km (with DEF)		6.34	6.13	6.13	5.75	6.13	

# VALUE ADDED SERVICES



Email: amccustomer@tataomotors.com  
Experts take care of your vehicle.  
Year after year

- Hassle-free maintenance
- Coverage or parts/aggregates Failure risk
- Cashless transaction
- EMI facility
- Widest support network
- Genuine spares and high quality service



The telematics service you can trust

- Helping you manage your transport business better by offering
- Enhanced productivity
- Enhanced economy
- Enhanced safety and security



- **Benefit for customer:**  
Assured repair within 15 days. If not, redeemable TCP coupons per day of delay would be payable
- **Eligibility:**  
Vehicles insured by Tata Motors Insurance
- **Scope:**  
Services offered by only select and certified channel partners except North East region and J&K



- Delivery in 24 hours
- All National and State highways
- More vehicle models



- Best in quality
- Wide range of products
- Reduces operating cost
- Unmatched warranty
- Reliable and higher life



- Strict quality control
- Available everywhere
- Higher savings
- Increased vehicle life
- Higher vehicle resale value



Enroll today  
Write to us: delight@tataomotors.com or  
visit us at: www.tatadelight.com

## TATA MOTORS LOYALTY PROGRAM BENEFITS

- Earn Tata Points against your spends at Tata Motors
- Vehicle-linked unnamed driver's accidental death cum hospitalization cover
- Bonus of 250 Tata Points on new vehicle registration
- Scholarship for your children
- Chance to win Tata Nano every quarter



- **Benefit for customer:**  
100% commitment for repair of new vehicles within 48 hours. If not, redeemable TGP coupons per day of delay would be payable
- **Eligibility:**  
Repair of vehicles within 12 months from date of sale or 14 months from date of production
- **Scope:**  
Pan-India service except North East region and J&K



Write to us: tatacko@tataomotors.com  
SMS 5616161

- Great deals on used Tata vehicles
- Single window service to get better value for used vehicles

For more information, contact: Tata Motors Limited, 4th Floor, CVBU, Ahura Centre, Mahakali Caves Road, Shanti Nagar, Andheri (E), Mumbai - 400093. Call: 1800 209 7979 (Toll free). Visit: www.tatamotors.com



# Thank you

