



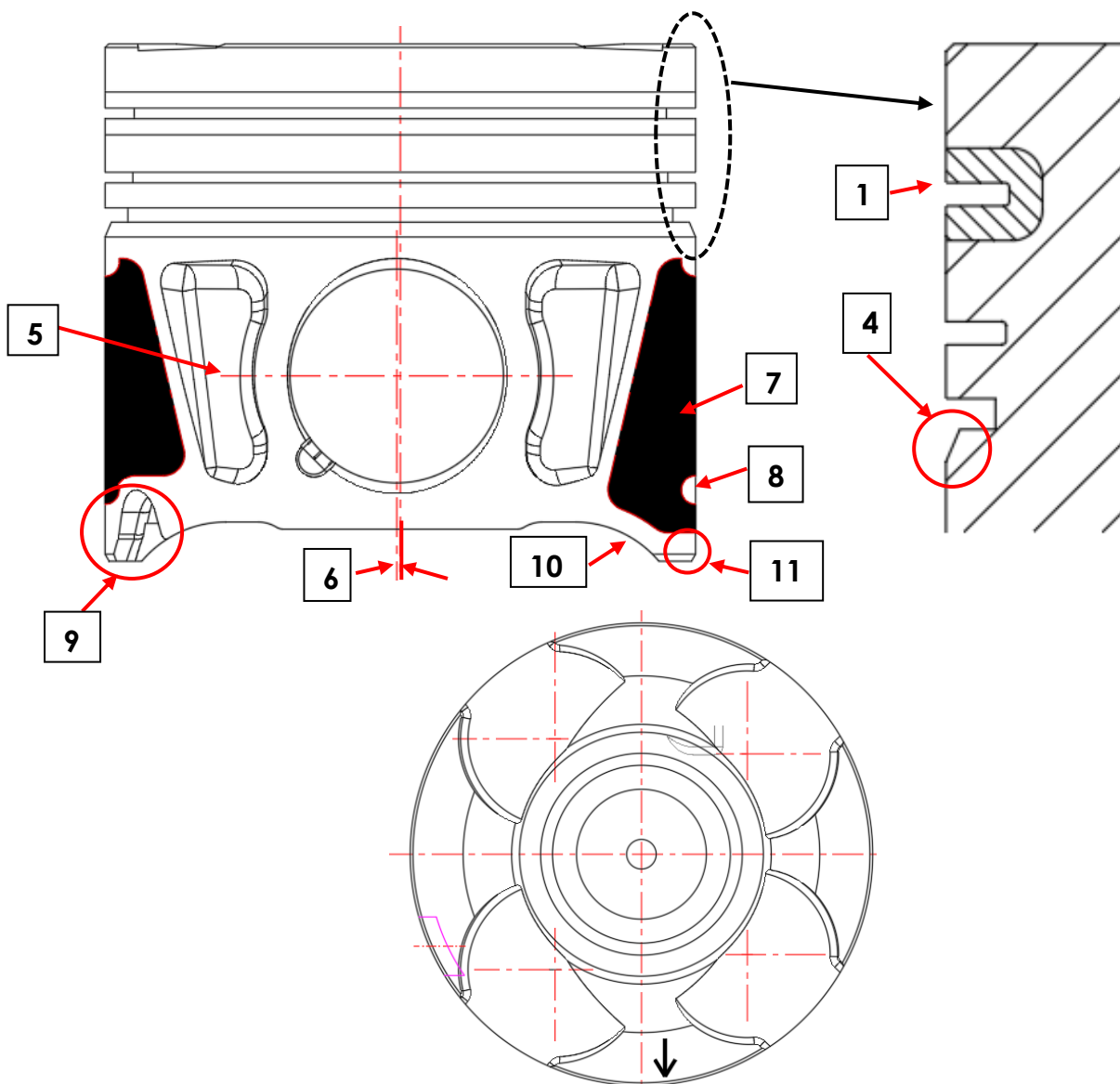
MD: TS: 41/MAR'26 INTRODUCTION CIRCULAR – JEEP COMPASS/ TATA HARRIER 2.0L DIESEL - PISTON SET

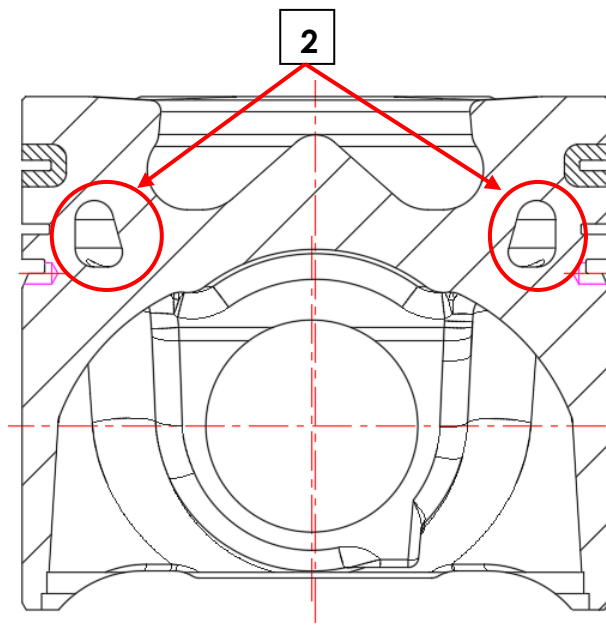
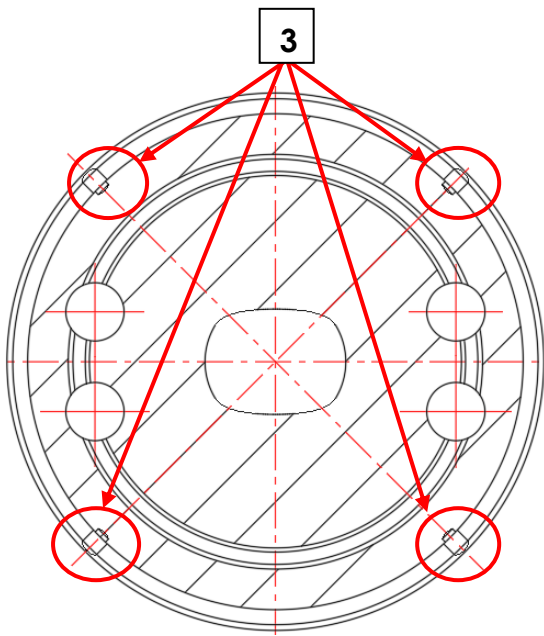
USHA is pleased to launch 'JEEP COMPASS/ TATA HARRIER/ MG HECTOR 2.0L DIESEL' piston set in its aftermarket PV product range.



This piston set has following special features: -

PISTON:-





Unique features of 'JEEP COMPASS/ TATA HARRIER/ MG HECTOR 2.0L (D)' piston are as follows:

SL. NO.	SPECIAL FEATURE	BENEFITS TO CUSTOMER
1)	HIGH NICKEL WEAR RESISTANT RING CARRIER (RCP): Top groove of this piston is made of high nickel wear resistant ring carrier insert which is manufactured using latest centrifugal casting technology.	<ul style="list-style-type: none"> • Longer life of piston due to negligible wear of top groove
2)	OIL COOLING GALLERY (OCG): A through oil cooling gallery is made around the periphery on under crown area of the piston beneath ring zone with the help of salt core during casting, through which oil flows continuously during its working cycle.	<ul style="list-style-type: none"> • Facilitates faster heat dissipation • Helps in rapid cooling of combustion bowl & ring groove areas, thereby enhancing piston & engine life
3)	QUICK OIL RETURN SLOTS (QORS): Two nos. of Quick Oil Return Slots (QORS) are provided on either side of piston near oil ring groove.	<ul style="list-style-type: none"> • Faster drainage of excess oil • Reduces oil consumption
4)	CHAMFER AT BOTTOM OF OIL RING GROOVE: This piston has an all-round chamfer just below the oil ring groove area.	<ul style="list-style-type: none"> • Provides all time lubrication to piston skirt • No piston seizure in extreme limits of normal working conditions
5)	UNIQUE AS CAST WINDOW DESIGN: This window design not only helps in reducing thermal load, but also increases surface area for heat dissipation. Also provides more bearing area at bottom portion of the piston skirt which helps in guiding ring's movement.	<ul style="list-style-type: none"> • Reduces chances of seizure at minor axis, hence longer piston life • Enhanced load bearing capability.

6)	PISTON-PIN BORE OFFSET: The piston is provided with a pin bore offset to avoid piston slap. Piston pin bore offset means that the centre line of piston is slightly offset from the centre line of pin bore. Due to this offset, piston tilts at TDC & BDC smoothly & prevents slapping with liner.	<ul style="list-style-type: none"> • Reduced engine noise
7)	'Nano-friKS COATING' ON PISTON SKIRT:	<ul style="list-style-type: none"> • Helps in initial lubrication & seizure free operation • Better wear resistance • Reduces engine noise
8)	MEASURING POINTS ON PISTON SKIRT:	<ul style="list-style-type: none"> • Provided for easy diameter verification
9)	SLOT FOR PISTON COOLING NOZZLE (PCN) JET: Provides room for oil cooling jet.	<ul style="list-style-type: none"> • Helps in directing oil flow underneath piston combustion cavity results in faster dissipation of heat
10)	SLIPPER DESIGN: Slipper design helps in reducing piston weight.	<ul style="list-style-type: none"> • Improves fuel efficiency • Low noise during engine working
11)	SCRAPING CHAMFER: A smooth chamfer is provided at the bottom end of the piston skirt.	<ul style="list-style-type: none"> • Helps in regulating oil supply, reduces skirt wear & hence longer life

TECHNICAL DATA- 'JEEP COMPASS/ TATA HARRIER/ MG HECTOR 2.0L (D)' PISTON (ø 83.00 mm)	
USHA CODE → C64	
Nominal Bore Diameter	83.00
Piston Diameter	82.95
Recommended Piston-Liner Clearance	0.05
Compression Height	46.61
Total Height	72.61
Gudgeon Pin Length X OD	67.00 X 30.00
All dimensions in 'mm'	

Above features make USHA 'JEEP COMPASS/ TATA HARRIER/ MG HECTOR 2.0L (D)' piston set unique, produced to give better performance & longer life when fitted with USHA 'CPC DVM' ring set of the same model, which is already in our range.



Technical Product News is an exclusive update of product & information from
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