

Service I (Inspection 3000 KM)

Sr. No.	Nature of Works
1	Check Tyre Air Pressure
2	E 1 Clean Air Cleaner & Change oil in air cleaner if necessary
3	E 2 Check & adjust Tappet clearance
4	E 3 Check & Adjust Fan belt tension – Replace if necessary
5	E 4 Check & Rectify leakage silencer, mounting bracket, muffler
6	E 5 Clean & refit pre-filter at feed pump,
7	E 6 Clean & refit Air drier
8	E7 Check & rectify all inlet exhaust piping's for leakage and loose fitting
9	E 8 Check & tight Eng. Mtg. Bolts (F&R) / Radiator foundation / supporting bar
10	E 9 Lubricate water Pump Bearing & linkages (accelerator, clutch)
11	E 10 Check & Top Coolant (Check for Hose leak, Radiator leak)
CLUTCH	
12	C 1 Lubricate clutch op. lever/withdrawal brg/linkages
13	C 2 Check pedal free play, Gear Box oil Top-up & oil leakages
PROPELLER SHAFT	
14	P 1 Lubricate U.J. cross & slip joint
15	P 2 Check & tight Prop. Shaft bolts
16	P 3 Check center bearing & housing for tightness
17	P 4 Lubricate center joint bearing/ replace if necessary
18	Alignment of propeller shaft as per manufacturer
REAR AXLE	
19	R 1 Check Oil level & top-up / Check oil seal if leak replace it
20	R 2 Clean Air breather
21	R 3 Check & tight axle Nuts, replace axle packing, axle shaft if necessary
22	R 4 Check & tight drive head assy./ Differential oil seal replace if found leak
23	R 5 Break adjustment / clean Air tank
24	R 6 Lubricate slack adjuster / check the all brake hose pipes/replace if necessary
FRONT AXLE	
25	F 1 Lubricate tie rod & king-pin
26	F 2 Check & readjustment King-Pin ply
27	F 3 Check Wheel Alignment
28	F 4 Check & adjust Hub Play
29	F 5 Lubricate slack adjuster
STEERING ASSEMBLY	
30	S 1 Check Strng. Box for oil leak & level if required
31	S 2 Lub Drag Link/Check drop arm and tie rod ends
32	S 3 Check & tight Strg. Mtg. Bolts, U joint, foundation bolt

Sr. No.	Nature of Works
33	Check power st. oil hoses replace if leakage
34	S 4 Check Strg. Wheel free play & adjust / steering filter check / replace if necessary
	SUSPENSION & FRAME
35	Sp 1 : Lubricate front & Rear spring, shackle pin, bellows
36	Sp 2 : Tight 'I' bolt & 'U' bolt & spring clamp/bracket
37	Sp 3 : Tight Shock absorb/rubber pad mounting bracket/bolts/nuts
38	Sp 4 : Tightening of all cross member to frame (side member mounting bolt)
39	Air Suspension
	1) Check and adjust, air spring assy. for proper function and standard setting
	2) Check and tighten parallel link assembly fitting
	3) Check and tighten anti roller bar assembly fitting
	4) Check and tighten Radius Pod Assy. fitting
	5) Check shock absorber for its proper function replace if necessary
	6) Tighten the shock absorber foundation bolt
	7) Check and tighten hanger link assembly
	8) Check/ maintain leveling valve's as per manufacturer's service manual.
40	C.N.G. Maintenance
	1) Check all the C.N.G. cylinder foundation clamping bolt for its proper tightening
	2) Check for the pipe system (for touching to chassis or any other parts) to prevent rubbing
	3) Clean and adjust spark plug gap (If any report)
	4) Check the accelerator cable alignment and lubricate
	5) Check cathelatic converter fitment/ heat shield foundation
	6) Check C.N.G. gas leakage from tight pressure pipe/co .pr. pipe
	7) Note: Check also all the necessary parts for its proper functioning & fitment as manufacturer service manual report to shift in charge
	BRAKES
41	B 1 Check for compressor inlet hose leak / out pipe for leakage
42	B 2 Check unloader valve for correct pressure & replace if required
43	B 3 Check / adjust spring brake actuator & chamber / Rubber Hose for proper fitting
44	B 4 Check control valve/ Brake valve foundation fitting /bolts
45	B 5 Lubricate S cam
46	B 6 Clean air filter & Refit
47	B 7 Drain air tank/check air compressor pr. Building
48	Replace weak pipes/Hose
	ELECTRICAL
49	Clean Battery Box

Sr. No.	Nature of Works
50	Check all switches & replace if necessary
51	Check all bulbs & replace if necessary/ light cover/seal beam ring
52	Check all other electrical fitments including battery/ Body light ,starter ,alternator, wiper motor and linkages
53	Check battery electrolyte level , top up clean battery vent
54	Apply petroleum gaily at battery terminal & tighten all the connection
55	Check battery main switch
56	Check starter and alternator foundation fitting bolt
57	Check fan belt tension

- Inspect and attend all above point as per Service manual procedure.

FOR SERVICE II (Half Docking 18,000 KM SERVICE)

Sr. No.	Name of Work
1	ENGINE
	Wash & clean engine thoroughly, change oil, clean engine breather, check silencer muffler, tail pipe neck fitment,
	Tappet setting
	Change tappet cover packing drain coolant from radiator check & replace water hose if necessary.
	Check injector timing / Change spark plug/HT cable (As per Report)
	Check fuel feed pump
	Clean & check air compressor , change compressor head if necessary
2	CLUTCH
	Adjust clutch play & lubricate linkages
	Check and Top gear box oil
3	REAR AXLE
	Change differential oil (As per KM. report)
	Replace oil seals, check & if necessary change wheel bearing & break liner, check & attend propeller shaft alignment, center bearing and Universal joint.
4	FRONT AXLE
	Repack both hub grease in front both hub
	Check & if necessary change wheel bearing replace oil seal
	Check & if necessary change stub axle bush
	Check & if necessary change break liner
	Check & if necessary change Tie Rod Assembly ends
5	STEERING ASSEMBLY
	Check & if necessary change steering oil & steering filter (after 75,000 km As per KM record)
6	SUSPENSION
	Check front & rear spring assembly camber
	Checks front & rear hanger shackle, shackle pin if necessary replace it.
	Check shock absorbers bushes, replace shock absorber. If found not working properly
7	BRAKES
	Check for correct presser setting/ Check Air gauged for proper working
	Check the vent hole
	Warm shaft of slack adjuster shall be checked
	Checks all pipe connections & tighten (Replace weak or damage pipes)
8	WHEELS
	1) Carry out switching and matching of tyres, check tyre pressure

	2) Removing defective tyres, tyres due for retreading
9	ELECTRICAL:
	1) Completely clean the battery box
	2) Battery Top-up and apply petroleum jelly on terminals
	3) Check for the proper tightening of the Battery connection
	4) Check the electrolyte condition with hydro meter acid with new one
	5) Check the alternator current for proper battery charging. (Replace the alternator for over current or not charging)
	6) Check the starter push button, if defective replace with new one fit properly
	7) Check the complete switch board / fuse box / multiplex fuse box / for defective fuse switch replace with new one
	8) Clean the body light assembly / replace the defective body light assy./ clean the body light glass
	9) Check and attend all the lights (Head, body light, signal brake parking, Top & side light) for its proper functioning
	10) Attend all the wiring channels, hosing wires for its proper fitment
10	C.N.G. Maintenance
	1) Check all the C.N.G. cylinder foundation clamping bolt for its proper tightening
	2) Check for the pipe system (for touching to chassis or any other parts) to prevent rubbing
	3) Clean and adjust spark plug gap (If any report)
	4) Check the accelerator cable alignment and lubricate
	5) Check cathelatic converter fitment/ heat shield foundation
	6) Check C.N.G. gas leakage from tight pressure pipe/co .pr. pipe
	7) Note: Check also all the necessary parts for its proper functioning & fitment as manufacturer service manual report to shift in charge

Note:- 1) Attend all above points in 18000 KM and replace the units as per KM record / AWS direction. (All repairing procedure shall be as per manufacturers service manual standard.)

FOR SERVICE III (Full Docking 36,000 KM SERVICE)

Sr. No.	Description
ENGINE	
1	Under floor washing
2	Clean & refit engine Oil pump starter, Drain the radiator clean engine breather
3	Check radiator, flush strictly if necessary change it (it cover 1,00,000 km)
4	Check water pump, if necessary change it (if cover 1,00,000 km) check the complete cooling system. For proper function
5	Check Air compressor change it if cover (1,00,000 km)
6	FIP pump change it (if cover 1,00,000 km) Adjust idling, high speed
7	Change the injector (as per schedule) 0adjust tappet clearance
8	Change the spark plug / H.T. cable & ignition coil (as per schedule)
9	Check of thermostat replace if necessary
10	Change Oil, rubber Hose, check muffler & tail pipe for leak ,check cathelatic converter. check turbo charger system & All connection hoses, tighten Air tank bracket
ELECTRICAL	
1	Check the proper foundation of Alternator, Starter if necessary change it. Check Starter push button, button fuse, Replace fan belt (if km covered)
2	Check all electrical connection, head light for correct focusing
3	Check wiring of wiper motors if necessary change it. Clean battery vent holes & the sulphetion at terminals, clean battery box
4	Change the batteries if necessary.
5	Check electrolyte gravity, all lights & Switches. (Record the Sp. gravity)
6	Check complete wiring sys. for proper earthlings, check front & rear C.B.C. f multiplexing foundation fitting bolt, fuse relay.
TRANSMISSION	
1	Checking of clutch plate, pressure plate withdrawal plate & fly wheel, If necessary change it, check clutch pedal play replace if necessary, check differential surrounding bolts, clean gear box & differential breather
2	Check & Change propeller shaft and align them properly, Check universal joint needle bearing for excess ploy, center bearing bracket
SUSPENSION	
1	Check camber of each spring if necessary change it/ Air suspension check Air Baloon, Check all suspension linkages,

Sr. No.	Description
	tightening.
2	Check & replace defective shock absorbers. Cambering & refitting of spring assy. & Waveller spring rubber pad change
3	Check steering joints Arms & Linkage including steering columns ball joint, drag link & tie rod socket clamp nut & bolts, power st. oil pr. inlets pipe, steering box foundation bolt.
REAR AXLE	
1	Check & change Break liner
2	Check Hub, brake drum, housing treads wheel stud, axle bearing & replace defective part.
3	Overhaul the complete rear brake system. As per manufacturer service manual / standard repairing procedure.
4	Replace KM's complete units (Brake Valve, Sp. Valve, unloader valve foot booster, Rear accuator, slack adjuster, hose adjuster, hoses (Rubber) etc. (as per AWS direction)
FRONT AXLE	
1	Check & change brake liner.
2	Check Hub, brake drum, housing threads wheel stud, axle, bearing, king pin, stud axle & replace defective part, wheel alignment, wheel disc out checking adjust steering stopper if necessary.
BRAKES	
1	Check brake system thoroughly change defective pipes for leakage etc. check brake pedal foundation pivot pin lock nut.
2	Brake valves
3	Remove inlet air filter clean & refit, Check tightness of all screws for air reservoir check drain valve & replace if required for brake chamber check clamp, ring, change diaphragm & seal (If covers 90,000 km) All brake valves & slack adjuster shall be change (if they cover 90,000 km)
CHASSIS	
1	Inspect the vehicle on ram attend defect observed.
2	Check all cross member for crack damaged & bend etc.
3	Tyre rotation.
4	Chassis Greasing
C.N.G.	
1	Tighten all the C.N.G. Cylinder mounting/ brackets, Air tank mounting brackets
2	Check for the C.N.G. high pressure pipe rubber/ touching to chassis/rotating part – Attend it clamp as per standard of manufacturer's manual.
3	Check & tighten all the Air Suspension linkages bolt, alignment,

Sr. No.	Description
	setting as manufacturer's service manual.
4	Accelerator linkage alignment/working replace if found faulty.
5	Check all the under chassis pipe lines (C.N.G., Air, Electrical for its proper clamping)
6	Replace the C.N.G. System units which covered & standard KM's with new/ repair one. (Spark plug, H.T. cable & its ignition coil) (as per AWS direction)
7	Check C.N.G. leakage and attend as per Manufacturer's Standard Repair procedure.

*** Others:- Compulsory checking;**

- 1) Tyre condition to be check & change if necessary
- 2) Headlight, Body light & all other
- 3) Light to be put in illuminated condition.
- 4) Body Door, Bonnet, Seats to be check & inform for repair.