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Title: Maintenance M	anual for Passen	iger in	formation s	ystem		
Prd By: Krishna	Chkd By: Krishna					
Sign: Krishna	Sign: Krishna		Sign: Rama	araju	22/08/22	
Sign: Krishna 1. Visual inspection 1) Check the 2) Open the 3) Check the 4) Check which 5) Check the 6) If found and 7) Check the of 8.5Nm 8) Close the 10 Check the 10 Chec	ection of Head on and cleaning status of LED' cover (Nose co ether there is d a cloth (if requi damage of HC by damage suc fasteners for t cover (Nose co	d Coo ng s in th one) fo ctions lust p red) D h as to ightne one) f	le Unit (He he HCD at or HCD ac article sett Cracking, ess. If loos for HCD	araju CD) the out cessing hey are t led on th distortio ened, tig	side of the ightly corn the Screen n, deform then the	e Cab inected . Clean the dust ation replace the HCE fasteners to the torque

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Sign: Krishna	Sign: Krishna		Sign: Rama	araju	22/08/22			
2. Replaceme 2.1 Remova	nt of Head Coo II	le Un	iit (HCD)					
1) Power of 2) Open the 3) Disconne 4) Loosen a 5) Remove t	the all Circuit B cover for HCD ct the Power, E nd remove M6X he HCD from th	reake acces thern (25LC ne Ca	ers ss et and Ear G (6no's) S b	thing Ca crews of	bles from f HCD	n the Unit		
2.2 Installat 1) Locate the 2) Install the 3) Tighten th 4) Connect t 5) Close the 6) Power on	ion e HCD in the Pr HCD Unit by u e Screws to the he Power, Ethe Hinged Cover the all Circuit E	roper sing l e torq ernet a for H0 Break	location of M6X25LG ue of 8.5N and Earthin CD on upp ers.	f the Cat (6No's) s m ng Cable er front	o screws es to the l panel of t	Jnit he cab		
3. Visual inspection of Side Destination Board (SDBU)								
 3.1 Inspection and cleaning 1) Check the status of LED's in the SDBU from out side of the Coach 2) Open the side panel for SDBU accessing 3) Check the power Connections, Ensure they are tightly connected 4) Check whether there is dust particle settled on the Screen. Clean the dust particle with a cloth (if required) 5) Check the damage of SDBU 6) If found any damage such as Cracking , distortion, deformation replace the SDBU 7) Check the fasteners for tightness. If loosened, tighten the fasteners to the torque of 5Nm 								
8) Close the side panel for SDBU								
Side Destination Board								

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4. Replacement of Side Destination Board (SDBU)

4.1 Removal

1) Power of the all Circuit Breakers

- 2) Open the side panel for SDBU access
- 3) Disconnect the Power, Ethernet and Earthing Cables from the Unit
- 4) Loosen and remove M5X16LG (5no's) Screws of SDBU
- 5) Remove the SDBU from the Cab

4.2 Installation

1) Locate the SDBU in the Proper location in side panel (From inside)

- 2) Install the SDBU Unit by using M5X16LG (5No's) screws
- 3) Tighten the Screws to the torque of 5Nm
- 4) Connect the Power, Ethernet and Earthing Cables to the Unit

5) Close the side panel for SDBU

6) Power on the all Circuit Breakers.

5. Replacement of Speaker Unit

5.1 Removal

- 1) Power of the all Circuit Breakers
- 2) Remove the speaker front cover
- 3) Loosen and remove four M5X25LG (4no's) Screws
- 4) Disconnect the Wago and Earthing Cables from the Unit
- 5) Remove the Speaker from the Coach

5.2 Installation

- 1) Connect the Wago and Earthing Cables to the Unit
- 2) Locate the Speaker in the Proper location of the Coach
- 3) Install the Speaker Unit by using M5X25LG (4No's) screws
- 4) Tighten the Screws to the torgue of 5 Nm
- 5) Close the speaker unit with front cover
- 6) Power on the all Circuit Breakers.



Speaker





6. Replacement of AMBIENT NOISE MEASUREMENT MODULE (ANM) 6.1 Removal

- 1) Power of the all Circuit Breakers
- 2) Remove the ANM front cover
- 3) Loosen and remove four M5X25LG (4no's) Screws
- 4) Disconnect the Wago and Earthing Cables from the Unit
- 5) Remove the ANM from the Coach

6.2 Installation

- 1) Connect the Wago and Earthing Cables to the Unit
- 2) Locate the ANM in the Proper location of the Coach
- 3) Install the ANM Unit by using M5X25LG (4No's) screws
- 4) Tighten the Screws to the torque of 5 Nm
- 5) Close the ANM unit with front cover
- 6) Power on the all Circuit Breakers.





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8. Replacement of Main Communication panel (MCP) 8.1 Removal

- 1) Power of the all Circuit Breakers
- 2) Loosen and remove four M5X25LG (4no's) Screws of MCP
- 3) Disconnect the Power, Comm. and Earthing Cables from the Unit
- 4) Remove the MCP from the Desk

8.2 Installation

- 1) Connect the Power, Comm. and Earthing Cables to the Unit
- 2) Locate the MMI in the Proper location of the Desk
- 3) Install the MCP Unit by using M5X25LG (4No's) screws
- 4) Tighten the Screws to the torque of 5 Nm
- 5) Power on the all Circuit Breakers.

9. Visual inspection of Emergency Talk Back Unit (ETBU) 9.1 Inspection and cleaning

- 1) Check the status of LED's & LCD in the ETBU from out side
- 2) Loosen and remove four M5X25LG (4no's) Screws of ETBU
- 3) Check whether there is dust particle settled on the gland area Clean the dust particle with a cloth (if required)
- 4) Check the damage of ETBU
- 5) If found any damage such as Cracking , distortion, deformation replace the ETB

6) Check the fasteners for tightness. If loosened, tighten the fasteners to the torque of 5Nm





Title: Maintenance Manual for Passenger information system Prd By: Krishna Chkd By: Krishna Appd By:Ramaraju Date Sign: Krishna Sign: Krishna Sign: Ramaraju 22/08/22 10. Replacement of Emergency Talk Back Unit (ETB) 10.1 Removal 1) 1) Power of the all Circuit Breakers 2) Loosen and remove Seven M5X20LG (4no's) Screws of ETB 3) Disconnect the Wago and Earthing Cables from the Unit 4) Remove the ETB from the Coach Side Wall 10.2 Installation 1) Connect the Wago and Earthing Cables to the Unit 2) Locate the ETB in the Proper location of the Coach Side Wall & door ways area 3) Install the ETBU Unit by using M5X25LG (4No's) screws 4) Tighten the Screws to the torque of 5 Nm 5) Power on the all Circuit Breakers. 11. Visual inspection of Car Control Unit (CCU) 11.1 Removal 1) Power of the all Circuit Breakers 2) Open the ECC panel door 3) Disconnect the Wago and Earthing Cables from the Unit 4) Loosen and remove four M5X25LG (4no's) Screws 5) Remove the CCU from the Coach 11. Jostallation 1) Locate the CCU in the Proper location of the ECC panel 2) Install the CCU Unit by using M5X25LG (4No's) screws	Doc No.: SD-8624	Rev. No.: 00	Page	7 of 8	Product Code: MAE- 676UV2 (PIS)		MEDHA	
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