



भारतीय रेल (रेल मंत्रालय)  
डीजल रेल इंजन कारखाना  
वाराणसी-२२१००४, भारत  
INDIAN RAILWAYS (MINISTRY OF RAILWAYS)  
DIESEL LOCOMOTIVE WORKS  
VARANASI-221004, INDIA



**DESIGN BULLETIN**

1. **Design bulletin no.** : DB/03 /2012/02
2. **Subject** : Use of additional Horn Push Button switch for Assistant Loco Pilot in Control Console #1 & #2 in WDG4/WDP4B locomotives.
3. **Background** : As per Zonal railways suggestion, an additional Horn Push Button switch for Assistant Loco Pilot is required in Control Console #1 #2 .  
In this regard an additional push button switch (Mushroom type) to DLW no. 12314870 was fitted at Panel ASM to EMD No. 10632908/DLW Part No. 17042999 , near cab light switch in both control console #1 & #2.  
This push button switch is connected in parallel with Horn-long hood in control console #1 & with Horn-Cab end in Control Console #2.
4. **Objective** : This additional Horn Switch is desirable for use of assistant driver at easily accessible location on Control Console #1 &2.
5. **Details of study/ Investigation** :
  - First time an additional push button switch (Mushroom type) is fitted in Loco no. WDG4-12222 for trail basis and loco was dispatched to diesel loco shed/ Alambagh on dt 30.06.2009.
  - Loco no. WDG4-12447 was also fitted with additional Horn Push Button switch for Assistant Loco Pilot in Control Console #1 & #2; loco was dispatched to diesel loco shed/ Sabarmati on dt. 29.08.2011 & no failure report has been received to this office.
6. **Corrective action** : A suitable push button switch (Mushroom type) to DLW no. 12314870 is fitted on panel asm to EMD No. 10632908/DLW No. 17042999, near cab light switch in both control console #1 & #2 for easily accessible location on Control Console #1 & 2.
7. **Drg./ Spec./ Test Plan/ QP modified** : Accordingly, drawing of Control Console #1 & #2 of WDG4/WDP4B has been modified for its application.
8. **Implementation** : DLW has implemented the above additional Horn Push Button switch for Assistant Loco Pilot in loco no. WDG4-12222 & 12447.
9. **Circulation** : **CQAM, CME(P),**  
**Dy CME/Loco, Dy CEE/ MC, Dy CDE/Veh.**  
**SSE/TAS, SSE/TAS/Prog, SSE/LTS, SSE/Insp/Elect.**

*27/3/12*  
Dy. Chief Design Engineer/TC

*olc*  
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*RRR*  
*17/04/12*

