

TECHNICAL INSTRUCTION

TI 016
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NETWORK RAIL - SIGNAL ENGINEERING

Typical Circuit – LED Shunt Signal Retrofit

Relevant Standard: T28360 & T28361

Introduction

Since the introduction of LED Shunt signals there has not been any formal circuits for retrofit. This TI addresses the changes to be made in existing circuit T28360 & T28361 to suit LED Shunt signal retrofit. Typical circuits for new works will be issued separately.

These changes should be carried out under SMTH & shall be recorded as “Record Deficiencies”, with low priority.

LED Shunt signal Retrofit (SSI) Figure - I

This circuit to be used for replacement of 110V lamp head with Dorman LED units using RED/WHITE pivot lights. No data change is required.

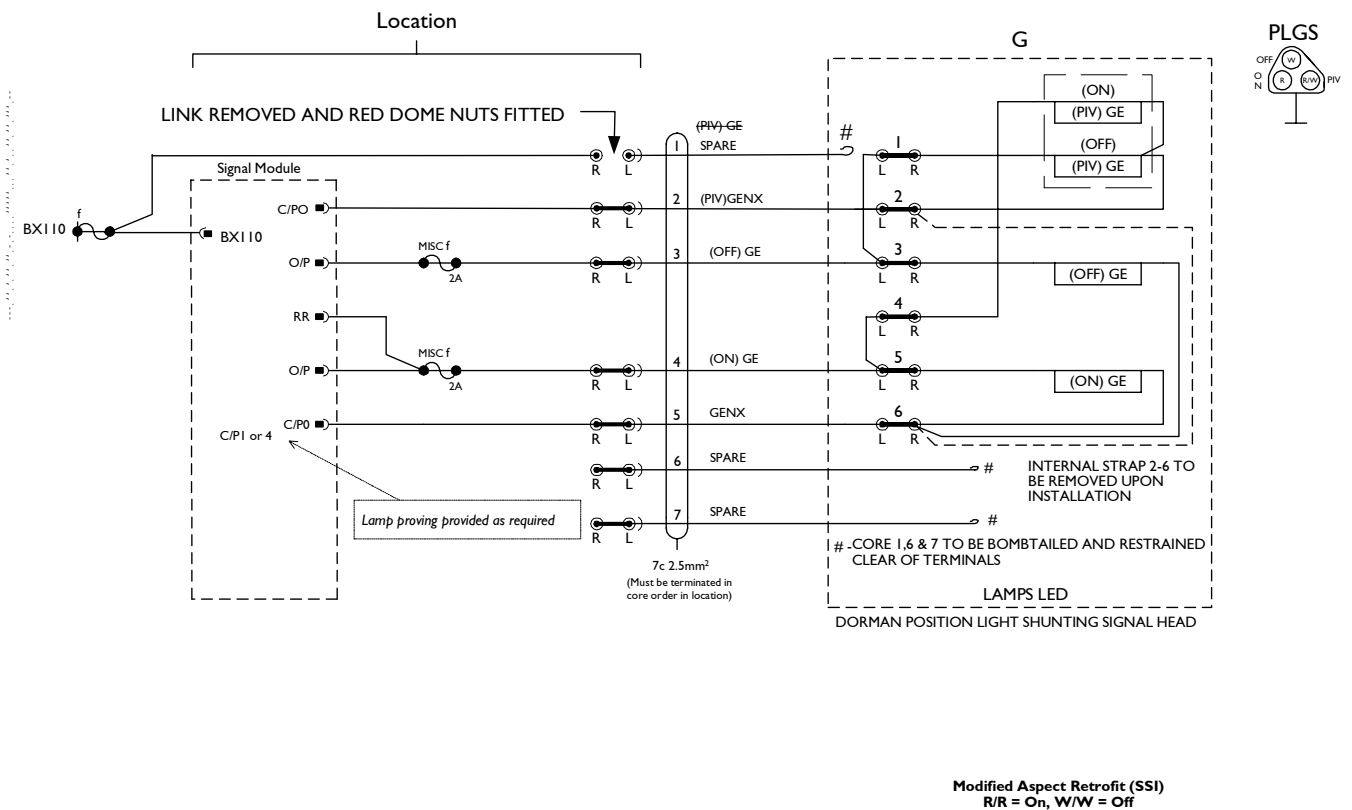


Fig. I

LED Shunt signal Retrofit (RRI) (Figure – 2)

This circuit to be used for replacement of 110V lamp head with Dorman LED units using RED/WHITE pivot light.

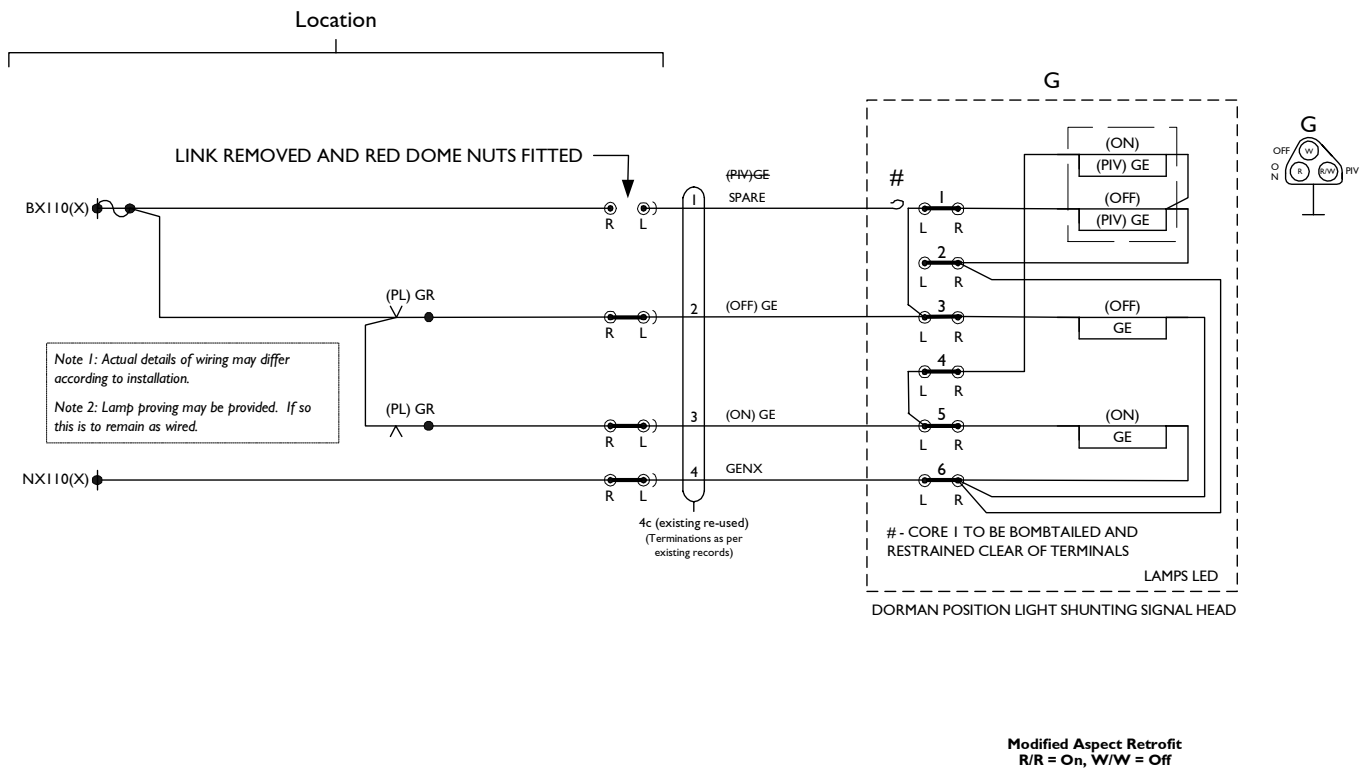


Fig. 2

Some known failure modes of these circuits may result in corrupt aspects. The balance of risk is such that these are not considered to result in significant risk, when compared with the history of wrong side failure associated with conventional lamp failure.

END

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