

Subject: Side Shift Transducer #1079929-0 (Duncan Electric #109R2.4KL.074) Indirect Replacement

The **Duncan Electric** side linear transducer has been replaced by #KTC-225-02 transducer from **Keen Engineering**.

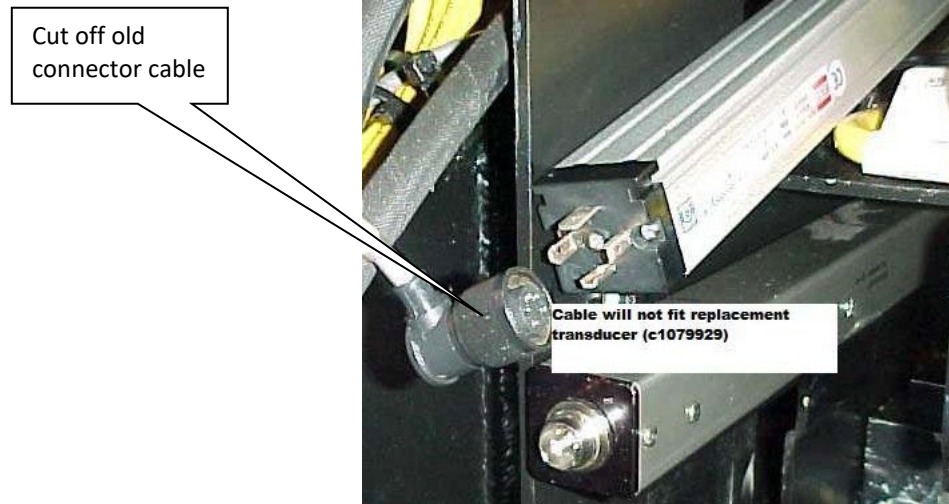
The Jervis B. Webb Company part number 1079929-0 has not changed. However the transducer is not a direct replacement due the use of a different connector by Keen Engineering. The new connector is supplied with the Keen Engineering transducer and must be used to replace the existing connector currently used with the Duncan Electric transducer.

Material supplied with the Keen Engineering transducer:



The following pages detail how to replace the connector.

1. Cut off the end of the old Connector Cable.



2. Use a small screwdriver to pry the contact plate out of the housing of the new connector.

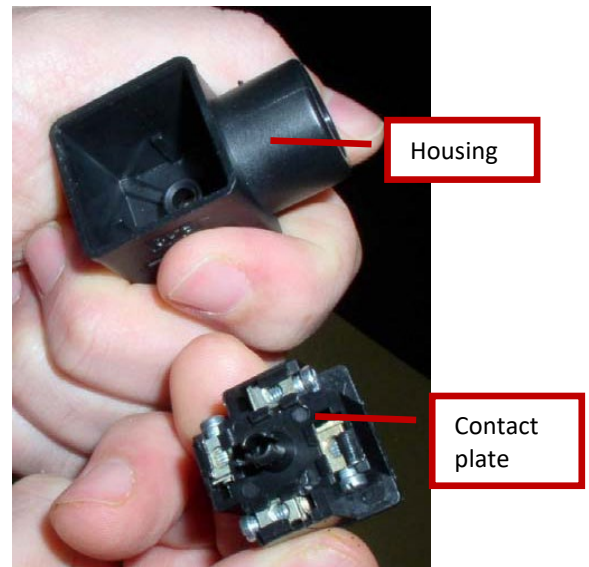
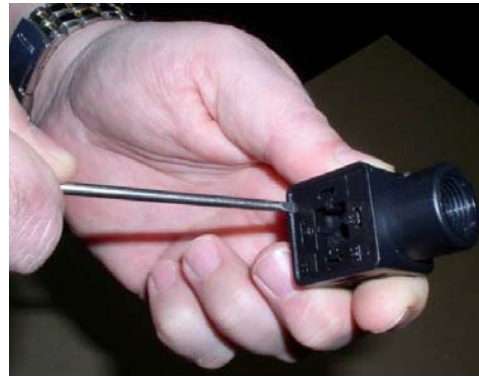
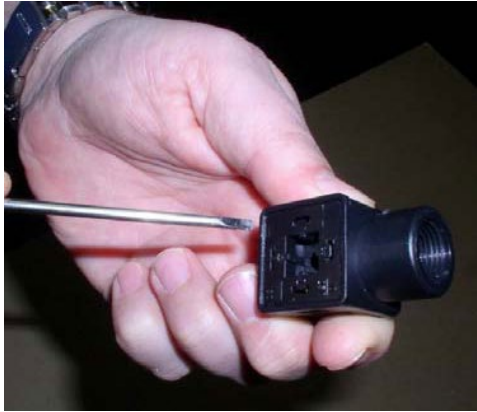


Figure 1: Removing Contact Plate

3. Push the cable from step 1 through the housing as shown.



Figure 2: Cable Pushed Through

4. Strip wire to 3/8" length and wire into contact plate using the following wiring diagram.

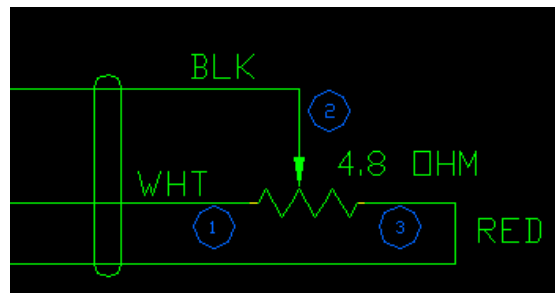


Figure 3: Wiring Diagram

5. Contact plate pin out.

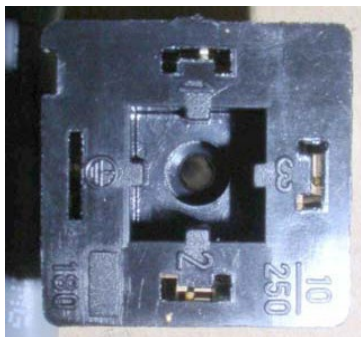


Figure 4: Pin Plate

6. Turn plate over and wire as shown and per the diagram shown earlier.

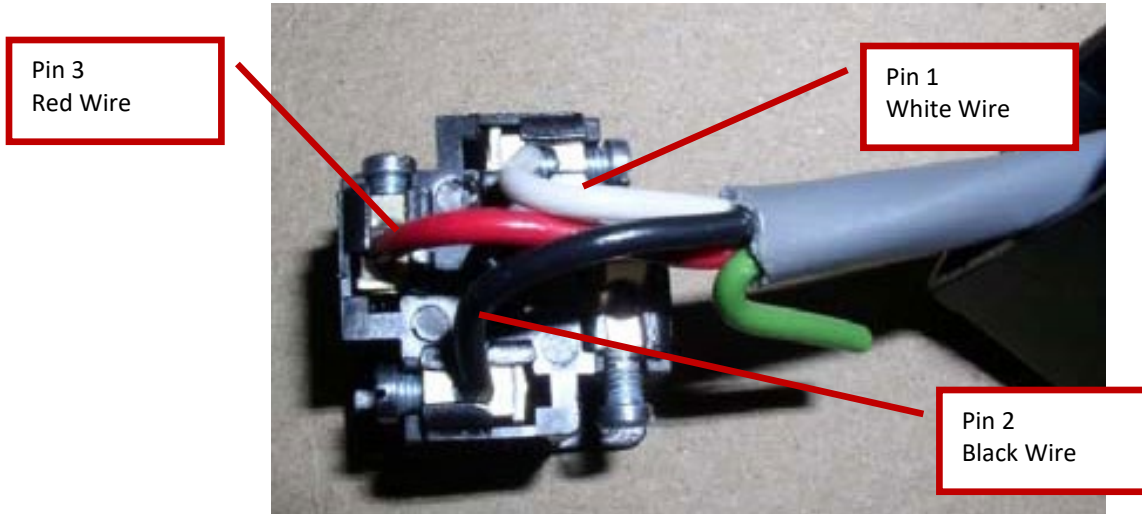


Figure 5: Wire Plate

7. After wiring the connector push it securely back into the housing.
8. Place gasket over the transducer pins.



Figure 6: Gasket Placed

9. Secure the connector to the transducer using the supplied retaining screw.



Figure 7: Secured Using Screw