

PROFESSIONAL SERIES (PRO-Z 100, 500, 700, 900 & PRO-X 600)

PRO-Z 100 **PRO-Z 100 KW 160-L** (53RIEHRU050, 53RIEHRU250, 53TIEHRU050).
Models Affected: **PRO-Z 100 KW 160-S** (53RIEFJU050, 53RIEFJU250, 53TIEFJU050).

Serial Number **PRO-Z 100** Units Manufactured March 01, 2016 through April 01, 2021
Range Affected: (1C016Hxxxxx through 1D01MHxxxxx).

PRO-Z 500 **PRO-Z 500 KW 548-L** (53RIHJTK050).
PRO-Z 700 **PRO-Z 500 KW 554-L** (53RIHJTN050, 53TIHJTN050).
PRO-Z 900 **PRO-Z 500 KW 554-S** (53RIHJUN050, 53TIHJUN050).
Models Affected: **PRO-Z 500 KW 560-L** (53LIHJTV050, 53RIHJTV050, 53TIHJTV050).
PRO-Z 500 KW 560-S (53LIHJUV050, 53RIHJUV050, 53TIHJUV050).
PRO-Z 700 KW 760-L (53RIHKTU050, 53TIHKTU050).
PRO-Z 700 KW EFI 760-L (53RLHKTU050).
PRO-Z 700 KW 760-S (53RIHKUV050, 53TIHKUV050).
PRO-Z 700 KW 772-L (53RIHKTY050, 53TIHKTY050).
PRO-Z 700 KW 772-S (53RIHKUY050).
PRO-Z 900 KW 960-L (53RIHMTV050, 53TIHMTV050).
PRO-Z 900 KW 960-S (53RIHMUV050, 53TIHMUV050).
PRO-Z 900 KW 972-L (53RIHMTY050, 53TIHMTY050).
PRO-Z 900 KW 972-S (53FIHMUY050, 53RIHMUY050).

Serial Number **PRO-Z 500, 700 & 900** Units Manufactured March 01, 2016 through January 01, 2020
Range Affected: (1C016Hxxxxx through 1A010Hxxxxx).

PRO-X 600 **PRO-X 600 KW 648** (53AI8CSF050).
Models Affected: **PRO-X 600 KW 654** (53AI8CSA050).
PRO-X 600 KW 660 (53AI8CSU050).

Serial Number **PRO-X 600** Units Manufactured September 09, 2019 through November 30, 2021
Range Affected: (1I099Hxxxxx through 1K30MHxxxxx).

Kawasaki Engine **FX691V-BS32, FX730V-S28, FX730V-S35, FX801V-AS15,**
Models Affected: **FX850V-S11, FX850V-S47, FX921V-S13, FXT00V-S19**

Date: April 20, 2021 Revised March 31, 2022 (Please Destroy All Previous Copies).

Subject: Intermittent Start Issue On Kawasaki FX Model Engines.

FIX-AS-FAIL

NOTE: *These materials are prepared for use by trained technicians who are experienced in the service and repair of equipment of the kind described in this publication, and are not intended for use by untrained or inexperienced individuals. Such individuals should seek the assistance of an authorized service technician or dealer.*

NOTE: *Always wear eye protection while servicing equipment. Wear hearing protection when appropriate. Always work in a well ventilated area and follow all safety precautions when dealing with combustible materials.*

NOTE: *Left (LH) and Right (RH) sides are determined from the operator's position and facing in the forward direction.*

PURPOSE:

We are aware of a possible intermittent start issue, (this normally takes a few turns of the key to engage the starter) on the above listed Models that incorporate one of the listed Kawasaki FX Model Series Engines. If you or your customer are experiencing this issue, Please follow the steps outlined under "**ACTION REQUIRED**".

NOTE: *This issue is exacerbated when a PECO bagger attachment is mounted on a PRO-Z Model. This causes more draw on the system.*

ACTION REQUIRED:

If you have experienced this issue on any inventory riders or have received any complaints from a customer with this issue, please follow the steps below.

1. Confirm that the rider in question is listed above and falls into the Affected Serial Number Range and powered by one of the Kawasaki FX Models listed.
2. Order from your normal parts source, Quantity (1) **725P15145** Jumper Harness With Relay.



FIGURE 1

3. Park the rider on a flat level surface and engage the parking brake.
4. Disconnect the negative battery cable from the negative battery terminal.
5. Make sure the battery is fully charged. Place the battery on charge if needed.
6. Locate and disconnect the yellow engine wire harness (i.e. Kawasaki harness) wire from the solenoid. See Figure 2.

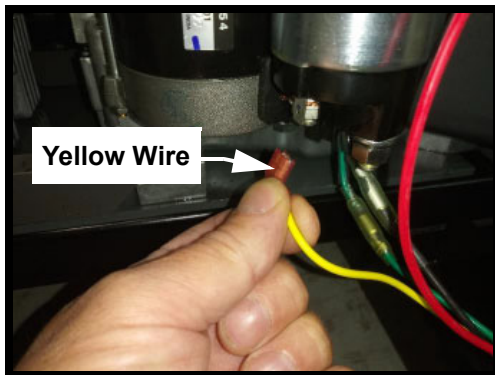


FIGURE 2

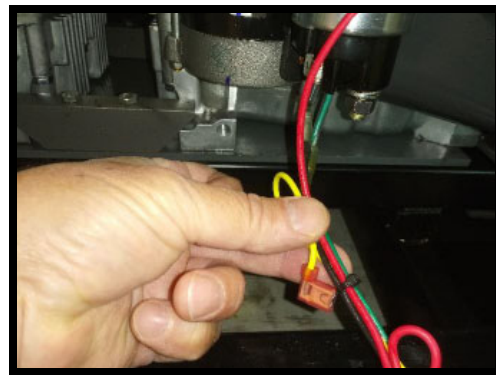


FIGURE 3

7. Zip tie or use electrical tape to secure the yellow wire to the engine harness as shown in Figure 3. This wire will no longer be used and will not be connected anything once the jumper is installed.
8. Locate the **725P15145** Jumper Harness with Relay shown in Figure 4.

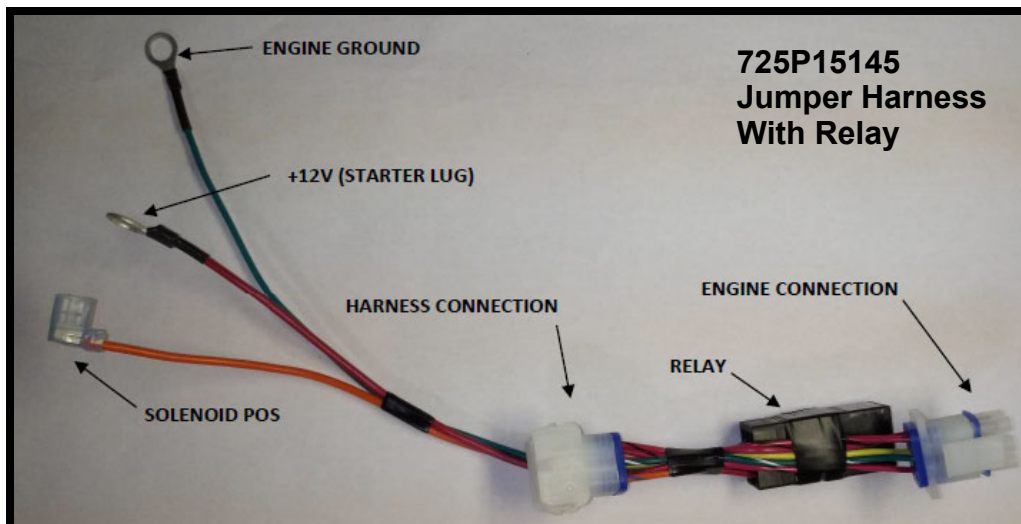


FIGURE 4

9. Disconnect the engine harness from the main wire harness.
10. Connect the **725P15145** Jumper Harness (Engine Connection) to the engine harness as shown in Figure 5.

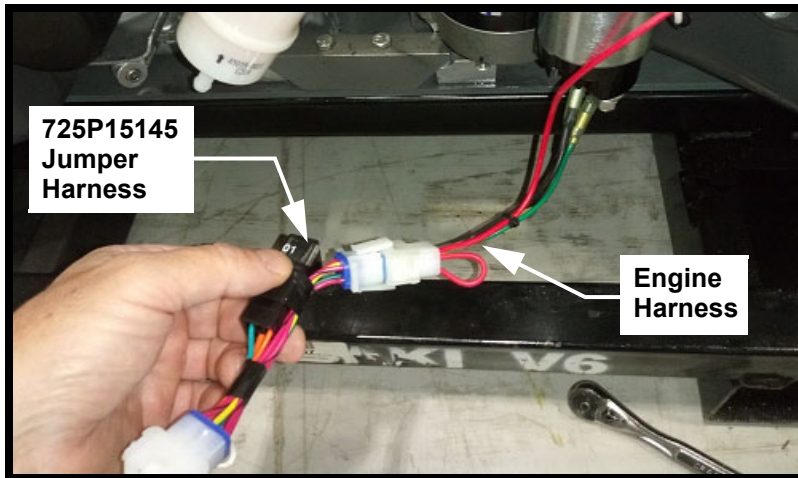


FIGURE 5

11. Connect the **725P15145** Jumper Harness (harness connection) to the riders main harness.
12. Connect the orange wire of the **725P15145** with the 90 degree female blade to the solenoid terminal where the yellow wire from Step 6 was removed. See Figure 6.
13. Remove the nut and lock washer from the positive post of the starter solenoid.
14. Connect the red wire with eyelet of the **725P15145** to the positive post of the solenoid and secure with the nut and lock washer removed in Step 13. See Figure 6

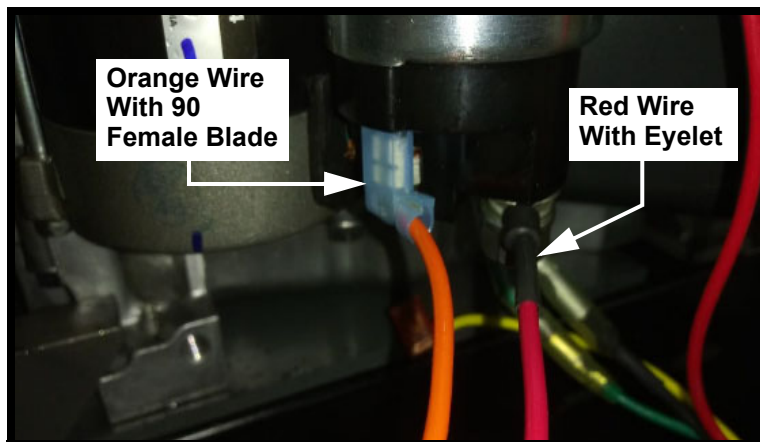


FIGURE 6

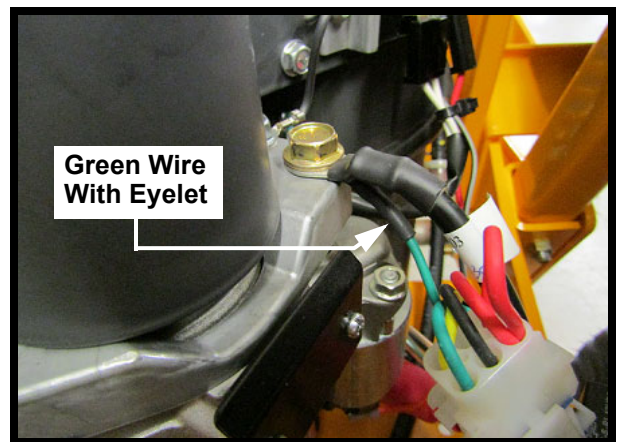


FIGURE 7

15. Remove the M8 x 1 hex head bolt that secures the main harness ground wire. Connect the green wire with eyelet to the engine in the same location the main harness ground wire is attached. Secure in place with the M8 x 1 hex head bolt. See Figure 7.
16. Securely tighten the nut in Step 14 and the M8 x 1 hex head bolt in Step 15.
17. Bundle the **725P15145** as shown in Figure 8 and zip tie or use electrical tape to secure to the starter solenoid to prevent water from entering the relay.

