# Errata to "On second 2-descent and non-congruent numbers" (Acta Arith. 170.4 <br> (2015), 343-360) 

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The "In particular" part of Corollary 2.9 is not right. In the proof of this Corollary, page 356 line 7 is not correct. The image space of A may be not the subspace $x_{1}+\cdots+x_{k}=0$, since this is equivalent to $\mathrm{A}^{\mathrm{T}} \overrightarrow{1}=\overrightarrow{0}$ but we only have $A \overrightarrow{1}=\overrightarrow{0}$. This statement still holds if each odd prime factor of $n$ is congruent to 1 modulo 8 . This error causes the following corrections:

- Theorem 1.1.(2) Assume $m \equiv 1 \bmod 8, p_{i} \equiv 1 \bmod 8$.
- Example 1.3(2) should be removed.
- Page 356 line $2, p \equiv 1 \bmod 8$.

The authors apologize for these errors.

