1100-20-52 John D Hutchens* (jdhutchens@saumag.edu). Isomorphism classes of k-involutions of G_2 . Isomorphism classes of k-involutions have been studied for their correspondence to symmetric k-varieties. Let G be a reductive algebraic group defined over a field k and $H = G^{\theta}$ be the fixed point group of $\theta : G \to G$ an automorphism of order 2 defined over k. If G_k and H_k are the k-rational points of G and H respectively, we call G_k/H_k a symmetric k-variety corresponding to a k-involution θ . Here we begin classifying k-involutions of split algebraic groups of type G_2 . (Received January 24, 2014)